

## WELL DATA FOR CALPINE AND COMPETITOR WELLS

### LEGEND NOTES:

COMP. INC. = INCREASE IN COMPRESSOR INJECTION PRESSURE DURING DRILLING. *positive numbers > 1*

### EXCEPTIONS:

0 = DIRECTIONAL CONTROL POINT

-100 = COMPUTER-GENERATED DIRECTIONAL CONTROL POINT AT EVEN 200' INTERVALS

-3 = GAS ENTRY

-2 = WATER ENTRY

-1 = LOST CIRCULATION ZONE (ONLY FOR MUD TEMPERATURES  $\geq 180$  °F)

1 = SUSPECTED BUT SMALL ENTRY OF UNCERTAIN SIZE

**CURRENT AS OF JULY 10, 1991**  
**PLEASE DISCARD ALL PREVIOUS VERSIONS**

WELL: 956A-1  
 LOCATION: 1793624E 402028N  
 SURFACE ELEVATION: 3164.  
 CASING SHOE: 3008.  
 FLOWRATE (KLBS/HR): 206.

COMMENTS: WELL COURSE CORRECTED BY DIRECTIONAL SURVEY ON 2/21/89.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	5.	-6.	-100.
400.	400.	10.	-12.	-100.
600.	600.	16.	-18.	-100.
800.	799.	21.	-24.	-100.
1000.	999.	25.	-31.	-100.
1200.	1199.	30.	-38.	-100.
1325.	1324.	33.	-42.	0.
1370.	1369.	38.	-45.	1.
1400.	1399.	41.	-48.	-100.
1600.	1600.	60.	-61.	-100.
1800.	1801.	74.	-73.	-100.
2000.	2001.	84.	-83.	-100.
2200.	2201.	90.	-92.	-100.
2400.	2400.	91.	-99.	-100.
2600.	2599.	88.	-104.	-100.
2800.	2798.	81.	-107.	-100.
3000.	2997.	69.	-109.	-100.
3008.	3005.	68.	-109.	0.
3008.	3005.	68.	-109.	-10.
3200.	3197.	58.	-109.	-100.
3400.	3396.	39.	-107.	-100.
3600.	3593.	12.	-104.	-100.
3800.	3789.	-24.	-99.	0.
4000.	3983.	-70.	-93.	-100.
4015.	3998.	-74.	-92.	25.
4050.	4032.	-82.	-91.	1.
4100.	4080.	-94.	-89.	0.
4111.	4091.	-97.	-89.	25.
4200.	4177.	-119.	-86.	-100.
4400.	4370.	-170.	-79.	-100.
4530.	4496.	-203.	-74.	60.
4600.	4563.	-220.	-72.	-100.
4800.	4757.	-270.	-63.	0.
5000.	4951.	-319.	-53.	0.
5043.	4993.	-331.	-56.	1.
5080.	5030.	-341.	-57.	1.
5200.	5146.	-374.	-56.	-100.
5400.	5336.	-431.	-39.	-100.
5500.	5429.	-459.	-22.	0.
5600.	5523.	-486.	4.	-100.
5800.	5704.	-543.	66.	-100.
6000.	5876.	-605.	143.	0.
6200.	6040.	-673.	237.	-100.
6215.	6052.	-678.	245.	1.
6300.	6117.	-706.	289.	0.
6400.	6191.	-739.	344.	-100.
6600.	6329.	-803.	466.	-100.
6800.	6456.	-866.	603.	-100.
7000.	6572.	-928.	758.	-100.
7100.	6627.	-958.	843.	0.
7126.	6644.	-966.	861.	0.

OPEN HOLE DESCRIPTION  
 \*\*\*\* INTERVAL \*\*\*\*\*  
 SIZE (IN) TOP BOTTOM  
 10.63 3008. 7126.

WELL: 956A-2  
 LOCATION: 1792538E 400178N  
 SURFACE ELEVATION: 3163.  
 CASING SHOE: 3005.  
 FLOWRATE (KLBS/HR): 320.

COMMENTS: B H LOC. EXTRAPOLATED. *Felside @ -2459*

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-6.	-3.	-100.
400.	400.	-7.	-5.	-100.
471.	471.	-6.	-6.	0.
600.	600.	-1.	-6.	-100.
800.	799.	7.	-8.	-100.
845.	844.	9.	-9.	0.
1000.	998.	21.	-17.	-100.
1200.	1197.	36.	-28.	-100.
1400.	1397.	50.	-38.	-100.
1600.	1596.	64.	-47.	-100.
1800.	1796.	77.	-56.	-100.
2000.	1995.	89.	-65.	-100.
2061.	2056.	93.	-67.	0.
2200.	2195.	100.	-73.	-100.
2400.	2395.	111.	-80.	-100.
2600.	2595.	121.	-87.	-100.
2800.	2795.	131.	-94.	-100.
3000.	2995.	141.	-100.	-100.
3003.	2998.	141.	-100.	0.
3005.	3000.	141.	-100.	-10.
3070.	3065.	143.	-100.	5.
3148.	3142.	145.	-100.	5.
3200.	3194.	147.	-100.	-100.
3400.	3393.	154.	-101.	-100.
3600.	3593.	163.	-105.	-100.
3800.	3792.	173.	-110.	-100.
4000.	3992.	184.	-117.	-100.
4104.	4095.	191.	-121.	25.
4200.	4191.	197.	-126.	0.
4237.	4229.	201.	-132.	40.
4400.	4394.	216.	-151.	-100.
4565.	4558.	227.	-157.	50.
4600.	4592.	229.	-157.	-100.
4676.	4666.	233.	-155.	0.
4800.	4781.	233.	-131.	-100.
4966.	4937.	234.	-103.	5.
5000.	4969.	235.	-98.	-100.
5165.	5128.	238.	-76.	0.
5200.	5163.	239.	-73.	-100.
5268.	5231.	242.	-67.	35.
5310.	5273.	243.	-63.	35.
5400.	5362.	246.	-55.	-100.
5536.	5498.	251.	-43.	0.
5600.	5562.	253.	-37.	-100.
5800.	5761.	260.	-19.	-100.
6000.	5960.	268.	-1.	-100.
6049.	6009.	269.	3.	100.
6150.	6109.	273.	12.	0.

*3163 - 4600*

*-2110*

*-2886*

OPEN HOLE DESCRIPTION

SIZE (IN)	*** INTERVAL	*****
	TOP	BOTTOM
10.63	3005.	6150.

WELL: 956A-4  
 LOCATION: 1794228E 400104N  
 SURFACE ELEVATION: 3303.  
 CASING SHOE: 3033.  
 FLOWRATE (KLBS/HR): 254.

COMMENTS: B H LOC. EXTRAPOLATED. *No Selsite*

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-2.	-3.	-100.
400.	400.	-4.	-7.	-100.
600.	600.	-5.	-11.	-100.
716.	716.	-6.	-14.	0.
800.	800.	0.	-19.	-100.
1000.	1001.	11.	-29.	-100.
1200.	1201.	19.	-38.	-100.
1400.	1401.	23.	-46.	-100.
1600.	1601.	24.	-52.	-100.
1800.	1800.	21.	-57.	-100.
2000.	2000.	15.	-61.	-100.
2200.	2199.	5.	-64.	-100.
2248.	2247.	2.	-64.	0.
2400.	2399.	-7.	-64.	-100.
2600.	2598.	-23.	-64.	-100.
2800.	2796.	-44.	-63.	-100.
3000.	2994.	-69.	-60.	-100.
3033.	3027.	-74.	-60.	0.
3033.	3027.	-74.	-60.	-10.
3200.	3192.	-100.	-58.	-100.
3278.	3269.	-114.	-57.	-1.
3400.	3389.	-136.	-54.	-100.
3541.	3527.	-163.	-49.	0.
3600.	3584.	-177.	-47.	-100.
3670.	3652.	-193.	-43.	25.
3800.	3779.	-222.	-37.	-100.
4000.	3973.	-266.	-26.	-100.
4011.	3984.	-268.	-25.	0.
4200.	4168.	-309.	-12.	-100.
4227.	4194.	-314.	-10.	10.
4400.	4363.	-349.	3.	-100.
4563.	4523.	-379.	17.	0.
4600.	4559.	-386.	20.	-100.
4800.	4756.	-419.	40.	-100.
5000.	4952.	-450.	62.	-100.
5030.	4982.	-454.	65.	0.
5170.	5120.	-473.	82.	60.
5200.	5149.	-477.	86.	-100.
5400.	5346.	-501.	112.	-100.
5578.	5521.	-520.	137.	0.
5600.	5543.	-522.	140.	-100.
5800.	5740.	-537.	171.	-100.
5970.	5907.	-550.	199.	70.
6000.	5936.	-552.	204.	-100.
6079.	6014.	-558.	217.	0.
6200.	6132.	-567.	240.	-100.
6400.	6328.	-580.	278.	-100.
6600.	6525.	-592.	313.	-100.
6702.	6625.	-598.	331.	0.
6726.	6649.	-599.	335.	5.
6800.	6721.	-603.	348.	-100.
6862.	6782.	-606.	358.	40.
6875.	6795.	-607.	360.	10.
6902.	6822.	-608.	364.	25.
7000.	6918.	-612.	380.	-100.
7200.	7116.	-620.	411.	-100.
7362.	7276.	-625.	435.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL TOP	***** BOTTOM
12.25	3033.	4421.
10.63	4421.	7362.

WELL: 956A-5  
 LOCATION: 1795931E 400100N  
 SURFACE ELEVATION: 2934.  
 CASING SHOE: 2797.  
 FLOWRATE (KLBS/HR): 247.

COMMENTS: B H LOC EXTRAPOLATED.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-3.	0.	-100.
400.	400.	-5.	0.	-100.
600.	600.	-6.	-1.	-100.
800.	800.	-6.	-3.	-100.
1000.	1000.	-4.	-5.	0.
1200.	1200.	-2.	-2.	-100.
1400.	1400.	2.	-2.	-100.
1600.	1600.	7.	-6.	-100.
1800.	1800.	14.	-13.	-100.
2000.	1999.	22.	-23.	-100.
2010.	2009.	22.	-24.	0.
2200.	2198.	32.	-37.	-100.
2267.	2265.	34.	-43.	0.
2400.	2397.	31.	-58.	-100.
2510.	2506.	32.	-73.	0.
2600.	2595.	36.	-90.	-100.
2797.	2788.	45.	-128.	0.
2797.	2788.	45.	-128.	-10.
2800.	2791.	45.	-128.	-100.
3000.	2991.	47.	-160.	-100.
3200.	3188.	50.	-198.	-100.
3400.	3382.	54.	-243.	-100.
3583.	3558.	59.	-291.	5.
3600.	3574.	60.	-296.	-100.
3750.	3716.	65.	-340.	0.
3800.	3762.	67.	-359.	-100.
4000.	3947.	77.	-435.	-100.
4200.	4131.	87.	-515.	-100.
4300.	4221.	92.	-556.	5.
4400.	4312.	97.	-598.	-100.
4600.	4492.	108.	-684.	-100.
4684.	4567.	112.	-721.	5.
4736.	4613.	115.	-744.	0.
4760.	4635.	115.	-755.	5.
4800.	4671.	114.	-773.	-100.
4995.	4845.	116.	-863.	5.
5000.	4850.	116.	-866.	5.
5200.	5026.	123.	-962.	-100.
5400.	5198.	136.	-1061.	-100.
5600.	5368.	153.	-1164.	-100.
5785.	5523.	174.	-1262.	0.
5800.	5535.	176.	-1270.	-100.
6000.	5699.	204.	-1382.	-100.
6200.	5861.	238.	-1494.	-100.
6252.	5903.	247.	-1523.	0.
6400.	6021.	276.	-1607.	-100.
6600.	6180.	319.	-1720.	-100.
6780.	6321.	363.	-1823.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	
	TOP	BOTTOM
17.50	2797.	2800.
12.25	2800.	6217.
10.63	6217.	6780.

WELL: 956A-6  
 LOCATION: 1792562E 400134N  
 SURFACE ELEVATION: 3167.  
 CASING SHOE: 2652.  
 FLOWRATE (KLBS/HR): 317.

COMMENTS :

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	0.	-100.
400.	400.	0.	-2.	-100.
505.	505.	0.	-4.	0.
600.	600.	-1.	-6.	-100.
800.	800.	-3.	-12.	-100.
1000.	999.	-7.	-23.	-100.
1062.	1061.	-9.	-27.	0.
1200.	1199.	-14.	-38.	-100.
1400.	1398.	-22.	-56.	-100.
1545.	1542.	-27.	-71.	0.
1600.	1597.	-31.	-75.	-100.
1800.	1796.	-40.	-95.	-100.
2000.	1994.	-42.	-119.	-100.
2074.	2067.	-40.	-129.	0.
2200.	2192.	-32.	-146.	-100.
2400.	2389.	-16.	-177.	-100.
2600.	2584.	6.	-215.	-100.
2635.	2618.	10.	-222.	0.
2652.	2634.	12.	-226.	-10.
2800.	2777.	34.	-259.	-100.
3000.	2968.	67.	-310.	-100.
3200.	3155.	103.	-366.	-100.
3355.	3299.	134.	-414.	0.
3400.	3340.	144.	-429.	-100.
3525.	3454.	171.	-472.	24.
3551.	3478.	177.	-481.	7.
3600.	3523.	188.	-498.	-100.
3632.	3552.	195.	-509.	0.
3800.	3705.	234.	-567.	-100.
4000.	3887.	279.	-636.	-100.
4191.	4062.	320.	-701.	0.
4200.	4070.	322.	-704.	-100.
4400.	4254.	365.	-770.	-100.
4600.	4439.	404.	-836.	-100.
4800.	4623.	440.	-903.	-100.
4874.	4692.	452.	-928.	0.
4912.	4728.	457.	-940.	60.
4974.	4786.	466.	-960.	5.
5000.	4810.	470.	-969.	-100.
5192.	4988.	498.	-1035.	17.
5197.	4992.	499.	-1037.	12.
5200.	4995.	499.	-1038.	-100.
5224.	5017.	503.	-1047.	0.
5235.	5027.	505.	-1051.	7.
5316.	5101.	517.	-1081.	0.
5400.	5178.	530.	-1112.	-100.
5600.	5361.	559.	-1187.	-100.
5707.	5460.	574.	-1227.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
12.25	2653.	5548.
10.63	5548.	5707.

WELL: 958-1  
 LOCATION: 1797700E 400712N  
 SURFACE ELEVATION: 2615.  
 CASING SHOE: 2944.  
 FLOWRATE (KLBS/HR): 89.

COMMENTS:

M. D.	T. V. D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	0.	-1.	-100.
400.	400.	-1.	1.	-100.
600.	600.	-3.	5.	-100.
725.	725.	-4.	8.	0.
800.	800.	-3.	9.	-100.
1000.	1001.	-2.	15.	-100.
1200.	1201.	-5.	25.	-100.
1400.	1400.	-12.	40.	-100.
1500.	1499.	-17.	49.	0.
1600.	1598.	-24.	60.	-100.
1800.	1796.	-40.	85.	-100.
2000.	1993.	-57.	112.	-100.
2008.	2001.	-58.	113.	0.
2200.	2189.	-78.	146.	-100.
2400.	2384.	-98.	180.	-100.
2405.	2389.	-99.	181.	30.
2600.	2580.	-119.	214.	-100.
2800.	2776.	-140.	247.	-100.
2944.	2917.	-155.	271.	0.
2944.	2917.	-155.	271.	-10.
3000.	2972.	-162.	280.	-100.
3200.	3168.	-185.	313.	-100.
3316.	3282.	-197.	332.	45.
3342.	3307.	-200.	336.	45.
3400.	3364.	-205.	345.	-100.
3590.	3551.	-223.	376.	0.
3600.	3561.	-224.	378.	-100.
3800.	3758.	-240.	410.	-100.
3816.	3773.	-241.	412.	90.
4000.	3954.	-254.	442.	-100.
4200.	4152.	-267.	474.	-100.
4245.	4196.	-269.	481.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
8.75	2944.	4245.

WELL: 958-2  
 LOCATION: 1792550E 400155N  
 SURFACE ELEVATION: 3161.  
 CASING SHOE: 2913.  
 FLOWRATE (KLBS/HR): 192.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-3.	0.	-100.
400.	400.	-5.	0.	-100.
600.	600.	-7.	-2.	-100.
800.	800.	-7.	-4.	-100.
1000.	1000.	-6.	-7.	-100.
1200.	1200.	-5.	-12.	-100.
1255.	1255.	-4.	-13.	0.
1400.	1400.	7.	-23.	-100.
1600.	1601.	17.	-33.	-100.
1800.	1800.	21.	-40.	-100.
2000.	1999.	17.	-42.	-100.
2083.	2082.	14.	-42.	0.
2200.	2198.	4.	-35.	-100.
2400.	2396.	-16.	-25.	-100.
2420.	2418.	-19.	-25.	0.
2600.	2594.	-40.	-15.	-100.
2800.	2791.	-66.	-6.	-100.
2913.	2903.	-82.	-2.	0.
2913.	2903.	-82.	-2.	-10.
3000.	2989.	-97.	0.	-100.
3140.	3127.	-122.	3.	15.
3200.	3186.	-132.	5.	-100.
3400.	3383.	-166.	12.	-100.
3422.	3405.	-170.	13.	15.
3524.	3505.	-187.	17.	0.
3600.	3580.	-200.	21.	-100.
3800.	3777.	-232.	31.	-100.
4000.	3974.	-264.	44.	-100.
4081.	4054.	-276.	49.	0.
4105.	4078.	-280.	51.	15.
4168.	4140.	-290.	56.	10.
4173.	4145.	-290.	56.	10.
4200.	4171.	-295.	58.	-100.
4400.	4368.	-324.	74.	-100.
4583.	4549.	-350.	89.	0.
4600.	4566.	-352.	90.	-100.
4610.	4576.	-354.	91.	15.
4800.	4763.	-379.	106.	-100.
5000.	4961.	-403.	125.	-100.
5159.	5118.	-420.	141.	0.
5200.	5159.	-423.	146.	-100.
5400.	5356.	-441.	170.	-100.
5600.	5554.	-460.	195.	-100.
5666.	5619.	-466.	203.	0.
5800.	5751.	-479.	222.	-100.
6000.	5948.	-500.	250.	-100.
6200.	6144.	-522.	278.	-100.
6218.	6162.	-524.	280.	173.
6400.	6341.	-546.	305.	-100.
6403.	6344.	-546.	305.	0.
6479.	6420.	-551.	317.	60.
6600.	6539.	-562.	334.	-100.
6655.	6594.	-568.	342.	25.
6800.	6736.	-587.	360.	-100.
7000.	6932.	-620.	383.	-100.
7101.	7030.	-640.	393.	0.
7200.	7126.	-662.	402.	-100.
7285.	7208.	-682.	409.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	*****
	TOP	BOTTOM
10.63	2913.	6871.
7.63	6871.	7000.
6.25	7000.	7285.

WELL: 958-3  
 LOCATION: 1791166E 399783N  
 SURFACE ELEVATION: 2969.  
 CASING SHOE: 2417.  
 FLOWRATE (KLBS/HR): 355.

COMMENTS: B.H. LOCATION EXTRAPOLATED.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	0.	-1.	-100.
400.	400.	0.	-3.	-100.
600.	600.	0.	-7.	-100.
800.	800.	-1.	-11.	-100.
1000.	1000.	-3.	-17.	-100.
1006.	1006.	-3.	-17.	0.
1200.	1200.	-5.	-25.	-100.
1400.	1399.	-8.	-33.	-100.
1561.	1560.	-10.	-39.	0.
1600.	1599.	-11.	-40.	-100.
1800.	1799.	-14.	-45.	-100.
2000.	1999.	-16.	-51.	-100.
2023.	2022.	-16.	-52.	0.
2200.	2199.	-16.	-58.	-100.
2400.	2399.	-15.	-65.	-100.
2417.	2416.	-15.	-66.	0.
2417.	2416.	-15.	-66.	-10.
2536.	2535.	-14.	-70.	0.
2600.	2598.	-23.	-70.	-100.
2772.	2768.	-46.	-70.	-1.
2800.	2796.	-50.	-70.	-100.
3000.	2994.	-77.	-75.	-100.
3182.	3173.	-102.	-82.	-1.
3200.	3191.	-104.	-83.	-100.
3400.	3388.	-132.	-94.	-100.
3486.	3473.	-144.	-100.	0.
3600.	3585.	-159.	-112.	-100.
3800.	3782.	-186.	-132.	-100.
4000.	3979.	-216.	-151.	-100.
4052.	4030.	-224.	-156.	0.
4200.	4175.	-251.	-169.	-100.
4400.	4372.	-285.	-185.	-100.
4563.	4532.	-312.	-198.	0.
4600.	4568.	-318.	-201.	-100.
4603.	4571.	-318.	-201.	10.
4800.	4766.	-348.	-216.	-100.
5000.	4963.	-377.	-231.	-100.
5052.	5014.	-384.	-235.	0.
5113.	5074.	-392.	-240.	70.
5186.	5146.	-402.	-245.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
12.25	2417.	5186.

WELL: 958-3A  
 LOCATION: 1791167E 399807N  
 SURFACE ELEVATION: 2958.  
 CASING SHOE: 2408.  
 FLOWRATE (KLBS/HR): 192.

COMMENTS: *Didn't reach felsite*

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-2.	-3.	-100.
400.	400.	-3.	-7.	-100.
498.	498.	-3.	-8.	0.
600.	600.	-3.	-10.	-100.
800.	800.	-2.	-12.	-100.
1000.	1000.	0.	-15.	-100.
1049.	1049.	1.	-15.	0.
1200.	1201.	-1.	-14.	-100.
1400.	1401.	3.	-15.	-100.
1557.	1557.	12.	-18.	0.
1600.	1600.	14.	-19.	-100.
1800.	1799.	33.	-25.	-100.
2000.	1996.	63.	-33.	-100.
2127.	2120.	89.	-39.	0.
2200.	2191.	107.	-43.	-100.
2285.	2273.	128.	-48.	0.
2400.	2384.	158.	-55.	-100.
2408.	2392.	160.	-55.	0.
2408.	2392.	160.	-55.	-10.
2558.	2537.	195.	-64.	0.
2600.	2578.	205.	-67.	-100.
2800.	2771.	254.	-81.	-100.
3000.	2965.	301.	-95.	-100.
3051.	3014.	313.	-99.	0.
3200.	3159.	347.	-109.	-100.
3400.	3353.	393.	-123.	-100.
3516.	3466.	420.	-131.	0.
3600.	3547.	440.	-137.	-100.
3770.	3711.	480.	-150.	230.
3800.	3740.	488.	-152.	-100.
3884.	3822.	508.	-160.	0.
3925.	3862.	518.	-164.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** BOTTOM
10.63	2408.	3928.

WELL: 958-5  
 LOCATION: 1796861E 401508N  
 SURFACE ELEVATION: 2553.  
 CASING SHOE: 3563.  
 FLOWRATE (KLBS/HR): 318.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	1.	-100.
400.	400.	2.	3.	-100.
600.	600.	3.	5.	-100.
800.	800.	4.	7.	-100.
874.	874.	4.	8.	0.
1000.	1000.	5.	6.	-100.
1200.	1200.	6.	7.	-100.
1400.	1400.	6.	11.	-100.
1600.	1600.	6.	19.	-100.
1615.	1615.	6.	20.	0.
1800.	1800.	3.	31.	-100.
1987.	1986.	4.	45.	0.
2000.	1999.	5.	46.	-100.
2200.	2197.	15.	68.	-100.
2360.	2356.	22.	83.	0.
2400.	2396.	25.	88.	-100.
2600.	2595.	32.	105.	-100.
2656.	2651.	32.	106.	0.
2800.	2797.	27.	99.	-100.
3000.	2997.	15.	81.	-100.
3135.	3130.	5.	64.	0.
3200.	3193.	-2.	53.	-100.
3400.	3387.	-24.	17.	-100.
3563.	3544.	-43.	-18.	0.
3563.	3544.	-43.	-18.	-10.
3600.	3580.	-47.	-27.	-100.
3605.	3584.	-48.	-28.	-1.
3800.	3772.	-71.	-79.	-100.
4000.	3963.	-95.	-133.	-100.
4058.	4018.	-102.	-149.	0.
4200.	4152.	-120.	-191.	-100.
4349.	4293.	-137.	-236.	180.
4400.	4342.	-144.	-251.	-100.
4525.	4460.	-158.	-289.	0.
4600.	4531.	-167.	-312.	-100.
4800.	4720.	-189.	-373.	-100.
5000.	4909.	-210.	-433.	-100.
5022.	4930.	-212.	-440.	0.
5200.	5099.	-230.	-494.	-100.
5400.	5288.	-248.	-555.	-100.
5600.	5478.	-265.	-616.	-100.
5675.	5549.	-271.	-639.	0.
5800.	5669.	-280.	-675.	-100.
5809.	5677.	-281.	-678.	30.
5825.	5692.	-282.	-683.	40.
5968.	5829.	-292.	-726.	30.
6000.	5859.	-294.	-735.	-100.
6055.	5911.	-298.	-752.	20.
6070.	5926.	-299.	-757.	40.
6200.	6049.	-306.	-798.	-100.
6360.	6200.	-315.	-849.	0.
6400.	6238.	-317.	-862.	-100.
6600.	6426.	-326.	-929.	-100.
6612.	6437.	-326.	-933.	12.
6800.	6613.	-333.	-998.	-100.
6818.	6630.	-334.	-1004.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM *****
8.75	3563.	6818.

WELL: 958-6  
 LOCATION: 1799503E 400953N  
 SURFACE ELEVATION: 2222.  
 CASING SHOE: 4052.  
 FLOWRATE (KLBS/HR): 70.

COMMENTS: CONVERTED TO INJECTION  
 WELL WITH 6.63" CSG TO 7834'. BH.LOC EXTRAPOLATED

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	1.	-100.
400.	400.	3.	4.	-100.
597.	597.	6.	9.	0.
600.	600.	6.	9.	-100.
800.	799.	11.	15.	-100.
1000.	999.	15.	23.	-100.
1061.	1060.	17.	26.	0.
1200.	1199.	24.	34.	-100.
1400.	1398.	29.	45.	-100.
1478.	1476.	29.	49.	0.
1600.	1599.	27.	60.	-100.
1800.	1798.	18.	66.	-100.
1854.	1852.	14.	65.	0.
2000.	1997.	3.	54.	-100.
2134.	2129.	-14.	40.	0.
2200.	2192.	-31.	29.	-100.
2400.	2382.	-82.	-3.	-100.
2590.	2564.	-129.	-32.	0.
2600.	2574.	-131.	-33.	-100.
2800.	2766.	-179.	-59.	-100.
3000.	2958.	-228.	-86.	-100.
3128.	3081.	-260.	-103.	0.
3200.	3149.	-280.	-113.	-100.
3400.	3340.	-333.	-141.	-100.
3600.	3532.	-383.	-167.	-100.
3601.	3533.	-383.	-167.	0.
3800.	3726.	-424.	-189.	-100.
4000.	3919.	-469.	-213.	-100.
4052.	3969.	-481.	-219.	0.
4052.	3969.	-481.	-219.	-10.
4200.	4112.	-516.	-237.	-100.
4400.	4304.	-567.	-263.	-100.
4507.	4406.	-595.	-277.	0.
4600.	4494.	-621.	-290.	-100.
4800.	4684.	-679.	-318.	-100.
5000.	4873.	-738.	-347.	-100.
5066.	4935.	-758.	-356.	0.
5200.	5061.	-800.	-375.	-100.
5400.	5248.	-863.	-403.	-100.
5600.	5436.	-927.	-431.	-100.
5671.	5502.	-950.	-441.	10.
5730.	5557.	-969.	-449.	10.
5800.	5623.	-992.	-459.	-100.
5805.	5627.	-994.	-460.	24.
5989.	5799.	-1054.	-485.	70.
6000.	5809.	-1058.	-487.	-100.
6064.	5869.	-1079.	-496.	0.
6200.	5996.	-1124.	-516.	-100.
6400.	6182.	-1191.	-545.	-100.
6410.	6191.	-1194.	-547.	8.
6600.	6368.	-1259.	-574.	-100.
6800.	6554.	-1328.	-601.	-100.
7000.	6740.	-1397.	-628.	-100.
7062.	6797.	-1419.	-636.	0.
7200.	6925.	-1469.	-653.	-100.
7400.	7109.	-1540.	-678.	-100.
7600.	7294.	-1612.	-703.	-100.
7686.	7374.	-1643.	-714.	0.
7800.	7479.	-1684.	-728.	-100.
7820.	7498.	-1691.	-731.	0.

- 3280 EI

OPEN HOLE DESCRIPTION  
 \*\*\*\*\*  
 SIZE (IN)      TOP      INTERVAL      BOTTOM  
 8.75            4052.      7820.

WELL: 958-7  
 LOCATION: 1794241E 400093N  
 SURFACE ELEVATION: 3303.  
 CASING SHOE: 3178.  
 FLOWRATE (KLBS/HR): 227.

COMMENTS: B.H. LOC. EXTRAPOLATED.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	2.	-100.
400.	400.	3.	3.	-100.
512.	512.	4.	3.	0.
600.	600.	5.	2.	-100.
800.	800.	8.	-1.	-100.
1000.	1000.	9.	-4.	-100.
1163.	1163.	10.	-6.	0.
1200.	1200.	11.	-7.	-100.
1400.	1400.	12.	-10.	-100.
1600.	1600.	9.	-12.	-100.
1635.	1635.	8.	-12.	0.
1800.	1800.	3.	-12.	-100.
1826.	1826.	1.	-13.	0.
2000.	1997.	-22.	-28.	-100.
2200.	2194.	-50.	-47.	-100.
2281.	2274.	-61.	-55.	0.
2400.	2391.	-78.	-68.	-100.
2600.	2588.	-108.	-90.	-100.
2712.	2698.	-124.	-101.	0.
2800.	2785.	-136.	-108.	-100.
3000.	2982.	-165.	-126.	-100.
3178.	3157.	-191.	-143.	0.
3178.	3157.	-191.	-143.	-10.
3200.	3179.	-194.	-145.	-100.
3319.	3296.	-212.	-158.	50.
3400.	3376.	-224.	-166.	-100.
3546.	3519.	-247.	-182.	0.
3600.	3572.	-256.	-189.	-100.
3800.	3768.	-289.	-211.	-100.
3815.	3782.	-292.	-213.	12.
4000.	3963.	-324.	-232.	-100.
4071.	4033.	-336.	-238.	0.
4200.	4159.	-359.	-250.	-100.
4400.	4355.	-395.	-264.	-100.
4600.	4552.	-431.	-276.	-100.
4604.	4556.	-432.	-276.	0.
4800.	4749.	-466.	-282.	-100.
5000.	4945.	-503.	-287.	-100.
5132.	5074.	-529.	-289.	0.
5200.	5141.	-542.	-290.	-100.
5400.	5337.	-584.	-292.	-100.
5553.	5486.	-617.	-293.	15.
5600.	5532.	-628.	-292.	-100.
5662.	5592.	-642.	-292.	0.
5800.	5726.	-676.	-289.	-100.
6000.	5919.	-726.	-285.	-100.
6159.	6073.	-766.	-281.	0.
6200.	6113.	-776.	-280.	-100.
6330.	6238.	-810.	-276.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
8.75	3178.	6330.

WELL: 958-8  
 LOCATION: 1792533E 400192N  
 SURFACE ELEVATION: 3163.  
 CASING SHOE: 2793.  
 FLOWRATE (KLBS/HR): 159.

COMMENTS: B.H. LOCATION EXTRAPOLATED.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	2.	0.	-100.
400.	400.	3.	-3.	-100.
535.	535.	2.	-8.	0.
600.	600.	0.	-11.	-100.
800.	799.	-6.	-21.	-100.
1000.	998.	-9.	-36.	-100.
1062.	1060.	-9.	-42.	0.
1200.	1197.	-3.	-58.	-100.
1400.	1396.	-5.	-80.	-100.
1402.	1398.	-5.	-80.	0.
1600.	1597.	-20.	-93.	-100.
1732.	1727.	-36.	-105.	20.
1800.	1794.	-45.	-112.	-100.
2000.	1988.	-79.	-137.	0.
2200.	2177.	-136.	-167.	-100.
2400.	2364.	-194.	-204.	-100.
2600.	2549.	-252.	-248.	-100.
2793.	2726.	-309.	-299.	0.
2793.	2726.	-309.	-299.	-10.
2800.	2732.	-311.	-301.	-100.
3000.	2913.	-372.	-364.	-100.
3044.	2953.	-384.	-376.	0.
3200.	3099.	-430.	-416.	-100.
3400.	3288.	-477.	-460.	-100.
3511.	3394.	-498.	-480.	0.
3600.	3481.	-501.	-492.	-100.
3800.	3676.	-514.	-515.	-100.
4000.	3872.	-535.	-535.	-100.
4080.	3950.	-546.	-542.	0.
4089.	3959.	-549.	-543.	-2.
4200.	4068.	-579.	-552.	-100.
4340.	4206.	-614.	-562.	5.
4400.	4266.	-628.	-565.	-100.
4600.	4463.	-670.	-573.	-100.
4800.	4661.	-705.	-575.	-100.
4816.	4677.	-707.	-575.	0.
4900.	4760.	-718.	-573.	5.
5000.	4859.	-729.	-570.	-100.
5200.	5058.	-751.	-562.	-100.
5277.	5134.	-758.	-558.	0.
5384.	5240.	-766.	-550.	15.
5400.	5256.	-767.	-549.	-100.
5600.	5455.	-782.	-533.	-100.
5800.	5654.	-796.	-515.	-100.
5816.	5670.	-797.	-514.	0.
6000.	5853.	-808.	-492.	-100.
6060.	5913.	-811.	-486.	103.
6090.	5943.	-813.	-483.	100.
6118.	5970.	-815.	-480.	8.
6200.	6052.	-820.	-473.	-100.
6367.	6218.	-831.	-459.	0.
6400.	6251.	-832.	-457.	-100.
6600.	6450.	-843.	-446.	-100.
6800.	6649.	-858.	-437.	-100.
6962.	6810.	-874.	-432.	0.
7000.	6848.	-878.	-431.	-100.
7150.	6996.	-896.	-428.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL TOP	***** BOTTOM
8.75	2793.	6982.
8.50	6982.	7150.

WELL: 958-9  
 LOCATION: 1796931E 401470N  
 SURFACE ELEVATION: 2558.  
 CASING SHOE: 3465.  
 FLOWRATE (KLBS/HR): 272.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-2.	2.	-100.
362.	362.	-3.	3.	0.
400.	400.	-3.	3.	-100.
600.	600.	-2.	6.	-100.
800.	800.	-1.	9.	-100.
918.	918.	-1.	10.	0.
1000.	1000.	3.	11.	-100.
1200.	1200.	8.	13.	-100.
1400.	1400.	6.	15.	-100.
1569.	1569.	-1.	18.	0.
1600.	1600.	-2.	19.	-100.
1800.	1799.	-18.	23.	-100.
1821.	1820.	-21.	23.	0.
2000.	1994.	-63.	29.	-100.
2200.	2187.	-114.	35.	-100.
2350.	2330.	-157.	40.	0.
2400.	2377.	-173.	42.	-100.
2600.	2566.	-238.	49.	-100.
2800.	2754.	-305.	53.	-100.
2801.	2755.	-305.	53.	0.
3000.	2944.	-371.	52.	-100.
3200.	3133.	-439.	51.	-100.
3400.	3320.	-509.	49.	-100.
3465.	3380.	-532.	49.	0.
3465.	3380.	-532.	49.	-10.
3600.	3505.	-581.	48.	-100.
3601.	3506.	-581.	48.	0.
3800.	3688.	-659.	45.	-100.
4000.	3872.	-738.	42.	-100.
4078.	3944.	-769.	41.	0.
4200.	4057.	-815.	41.	-100.
4400.	4241.	-894.	39.	-100.
4600.	4424.	-975.	38.	-100.
4629.	4450.	-987.	38.	0.
4800.	4602.	-1066.	37.	-100.
4811.	4612.	-1071.	37.	30.
5000.	4782.	-1155.	35.	-100.
5067.	4842.	-1184.	35.	10.
5082.	4856.	-1190.	34.	5.
5177.	4942.	-1229.	33.	5.
5200.	4963.	-1239.	33.	-100.
5267.	5024.	-1266.	32.	0.
5400.	5147.	-1317.	29.	-100.
5600.	5332.	-1391.	25.	-100.
5800.	5519.	-1463.	21.	-100.
5887.	5600.	-1494.	20.	0.
6000.	5707.	-1531.	18.	-100.
6200.	5895.	-1598.	15.	-100.
6259.	5951.	-1617.	14.	20.
6400.	6083.	-1665.	14.	-100.
6437.	6118.	-1678.	14.	0.
6600.	6270.	-1733.	12.	-100.
6610.	6279.	-1737.	12.	50.
6800.	6457.	-1803.	14.	-100.
7000.	6644.	-1875.	21.	-100.
7143.	6778.	-1928.	28.	0.
7191.	6823.	-1946.	31.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
17.50	3465.	3470.
12.25	3470.	6333.
10.63	6333.	7191.

WELL: 958-10  
 LOCATION: 1796896E 401488N  
 SURFACE ELEVATION: 2558.  
 CASING SHOE: 3272.  
 FLOWRATE (KLBS/HR): 254.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	-1.	-100.
338.	338.	-1.	-2.	0.
400.	400.	-1.	-2.	-100.
600.	600.	1.	-3.	-100.
800.	801.	2.	-2.	-100.
1000.	1001.	4.	-1.	-100.
1070.	1070.	7.	0.	0.
1200.	1201.	6.	2.	-100.
1400.	1401.	9.	5.	-100.
1600.	1601.	12.	9.	-100.
1800.	1800.	15.	13.	-100.
2000.	2000.	19.	19.	-100.
2008.	2008.	19.	19.	0.
2200.	2199.	26.	30.	-100.
2391.	2390.	27.	32.	0.
2400.	2399.	27.	32.	-100.
2600.	2598.	18.	22.	-100.
2725.	2723.	12.	15.	0.
2800.	2798.	8.	11.	-100.
3000.	2997.	-3.	-1.	-100.
3004.	3001.	-3.	-1.	0.
3200.	3197.	-12.	-11.	-100.
3272.	3269.	-17.	-15.	0.
3272.	3269.	-17.	-15.	-10.
3400.	3397.	-26.	-23.	-100.
3560.	3555.	-43.	-34.	0.
3600.	3594.	-51.	-37.	-100.
3655.	3648.	-61.	-41.	1.
3800.	3790.	-88.	-54.	-100.
4000.	3985.	-124.	-72.	-100.
4031.	4015.	-130.	-75.	0.
4200.	4178.	-151.	-93.	-100.
4400.	4371.	-185.	-115.	-100.
4589.	4553.	-226.	-136.	0.
4600.	4564.	-230.	-137.	-100.
4800.	4755.	-299.	-161.	-100.
4825.	4779.	-307.	-164.	6.
4910.	4861.	-334.	-174.	8.
5000.	4948.	-362.	-185.	-100.
5174.	5115.	-411.	-207.	0.
5200.	5140.	-416.	-210.	-100.
5240.	5179.	-425.	-216.	10.
5310.	5247.	-440.	-225.	24.
5400.	5334.	-460.	-237.	-100.
5500.	5431.	-482.	-251.	10.
5579.	5507.	-501.	-262.	4.
5600.	5527.	-506.	-265.	-100.
5733.	5655.	-537.	-283.	0.
5800.	5720.	-552.	-292.	-100.
6000.	5912.	-601.	-319.	-100.
6200.	6103.	-654.	-348.	-100.
6305.	6202.	-683.	-364.	0.
6400.	6292.	-711.	-379.	-100.
6471.	6359.	-732.	-390.	4.
6600.	6480.	-771.	-411.	-100.
6800.	6666.	-836.	-446.	-100.
6922.	6778.	-877.	-468.	10.
6994.	6844.	-902.	-481.	0.
7000.	6849.	-904.	-482.	-100.
7073.	6916.	-930.	-496.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	*****
	TOP	BOTTOM
17.50	3272.	3283.
12.25	3283.	5781.
10.63	5781.	7073.

WELL: 958-11  
 LOCATION: 1795912E 400092N  
 SURFACE ELEVATION: 2934.  
 CASING SHOE: 2796.  
 FLOWRATE (KLBS/HR): 245.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	0.	0.	-100.
400.	400.	1.	0.	-100.
566.	566.	2.	-1.	0.
600.	600.	2.	-1.	-100.
800.	800.	3.	-3.	-100.
1000.	1000.	5.	-6.	-100.
1037.	1037.	6.	-6.	0.
1200.	1200.	9.	-8.	-100.
1400.	1400.	13.	-11.	-100.
1524.	1524.	16.	-12.	0.
1600.	1600.	21.	-13.	-100.
1800.	1800.	30.	-14.	-100.
2000.	2000.	29.	-14.	-100.
2021.	2021.	29.	-14.	0.
2200.	2200.	16.	-12.	-100.
2400.	2399.	1.	-9.	-100.
2525.	2523.	-10.	-8.	0.
2600.	2597.	-17.	-7.	-100.
2796.	2792.	-35.	-6.	0.
2796.	2792.	-35.	-6.	-10.
2800.	2796.	-35.	-6.	-100.
3000.	2995.	-55.	-6.	-100.
3035.	3030.	-59.	-6.	0.
3200.	3193.	-86.	-8.	-100.
3400.	3391.	-115.	-11.	-100.
3521.	3511.	-130.	-12.	0.
3600.	3590.	-137.	-13.	-100.
3640.	3630.	-140.	-13.	10.
3704.	3694.	-146.	-14.	5.
3800.	3789.	-154.	-15.	-100.
4000.	3988.	-172.	-17.	-100.
4073.	4061.	-179.	-18.	0.
4200.	4187.	-192.	-19.	-100.
4400.	4386.	-212.	-20.	-100.
4600.	4585.	-232.	-21.	-100.
4724.	4708.	-244.	-22.	0.
4800.	4784.	-251.	-22.	-100.
5000.	4983.	-269.	-23.	-100.
5040.	5023.	-273.	-24.	46.
5200.	5182.	-289.	-25.	-100.
5400.	5381.	-310.	-28.	-100.
5558.	5538.	-328.	-30.	0.
5600.	5580.	-333.	-31.	-100.
5700.	5679.	-345.	-33.	17.
5714.	5693.	-346.	-33.	12.
5800.	5778.	-357.	-34.	-100.
6000.	5976.	-383.	-39.	-100.
6200.	6174.	-411.	-43.	-100.
6375.	6347.	-437.	-48.	0.
6400.	6372.	-441.	-49.	-100.
6600.	6569.	-472.	-55.	-100.
6748.	6715.	-497.	-59.	0.
6800.	6766.	-506.	-60.	-100.
7000.	6963.	-541.	-64.	-100.
7200.	7160.	-578.	-69.	-100.
7245.	7204.	-586.	-70.	0.
7400.	7356.	-616.	-75.	-100.
7416.	7372.	-619.	-75.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
17.50	2796.		2804.
12.25	2804.		6921.
10.63	6921.		7416.

WELL: 958-12  
 LOCATION: 1791169E 399831N  
 SURFACE ELEVATION: 2978.  
 CASING SHOE: 2587.  
 FLOWRATE (KLBS/HR): 239.

COMMENTS: TOTAL LCZ'S 1828 & 1834' BLEW STEAM 1/2-1 HR, THEN QUIT. FELSITE AT 5680'  
 FLOWRATE IS FOR EARLY PRODUCTION-NOT TESTED YET.SPUD 11/6/86,TD 12/30/86

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	-1.	-100.
400.	400.	-1.	-5.	-100.
600.	600.	-3.	-9.	-100.
800.	799.	-4.	-16.	-100.
1000.	999.	-6.	-24.	-100.
1056.	1055.	-7.	-27.	0.
1200.	1199.	-11.	-41.	-100.
1400.	1399.	-15.	-56.	-100.
1600.	1599.	-16.	-65.	-100.
1723.	1721.	-15.	-68.	0.
1800.	1798.	-15.	-70.	-100.
1828.	1826.	-15.	-71.	-1.
2000.	1997.	-11.	-70.	-100.
2200.	2196.	-3.	-61.	-100.
2400.	2393.	7.	-44.	-100.
2523.	2514.	16.	-29.	0.
2587.	2576.	22.	-16.	-10.
2600.	2589.	23.	-13.	-100.
2800.	2784.	44.	28.	-100.
3000.	2978.	65.	71.	-100.
3185.	3158.	85.	112.	5.
3200.	3172.	87.	115.	-100.
3205.	3177.	88.	116.	0.
3400.	3365.	111.	162.	-100.
3600.	3558.	136.	207.	-100.
3762.	3714.	156.	244.	0.
3800.	3751.	160.	251.	-100.
3993.	3939.	181.	291.	5.
4000.	3946.	182.	292.	-100.
4200.	4138.	210.	339.	-100.
4228.	4165.	214.	346.	0.
4247.	4183.	217.	351.	18.
4400.	4328.	244.	391.	-100.
4565.	4483.	275.	438.	5.
4600.	4515.	282.	449.	-100.
4697.	4605.	302.	479.	0.
4743.	4647.	314.	495.	7.
4800.	4698.	328.	515.	-100.
5000.	4878.	377.	586.	-100.
5200.	5058.	425.	660.	-100.
5257.	5109.	438.	681.	0.
5263.	5114.	439.	683.	15.
5318.	5165.	451.	703.	27.
5400.	5238.	469.	734.	-100.
5407.	5245.	471.	737.	7.
5548.	5370.	505.	793.	15.
5561.	5381.	508.	798.	0.
5600.	5418.	516.	813.	-100.
5800.	5600.	562.	896.	-100.
6000.	5767.	621.	987.	-100.
6200.	5921.	692.	1087.	-100.
6271.	5972.	720.	1125.	7.
6282.	5980.	725.	1131.	0.
6400.	6062.	777.	1197.	-100.
6501.	6129.	825.	1256.	0.

*Felsite at TVD = 5667  
 Elev = -2689*

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP *****	***** BOTTOM *****
12.25		2587.	6103.
10.63		6103.	6501.

WELL: 958-13  
 LOCATION: 1795889E 400082N  
 SURFACE ELEVATION: 2638.  
 CASING SHOE: 2771.  
 FLOWRATE (KLBS/HR): 292. → 117 →

COMMENTS: DRILLING TERMINATED DUE TO EXCESSIVE FILL AND DRAG  
 AFTER CONNECTIONS. FLOW RATE CALCULATED FROM WET TEST. ~~SPUD~~  
 07-21-87, T.D. 8-17-87. Deepened from 4387' to 7360 6/7-16/93.

*Drilled 7/21-8/17/87.*

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	0.	-1.	-100.
400.	400.	0.	-3.	-100.
600.	600.	1.	-6.	-100.
800.	800.	2.	-11.	-100.
1000.	1000.	5.	-17.	-100.
1070.	1070.	6.	-19.	0.
1200.	1200.	7.	-25.	-100.
1400.	1400.	10.	-34.	-100.
1534.	1534.	14.	-39.	0.
1600.	1600.	16.	-45.	-100.
1800.	1800.	24.	-57.	-100.
2000.	2000.	32.	-59.	-100.
2124.	2123.	36.	-55.	0.
2200.	2199.	37.	-49.	-100.
2400.	2397.	43.	-29.	-100.
2600.	2594.	49.	-2.	-100.
2625.	2619.	50.	2.	0.
2771.	2762.	57.	31.	-10.
2800.	2790.	59.	36.	-100.
3000.	2986.	69.	78.	-100.
3200.	3180.	80.	121.	-100.
3288.	3266.	86.	141.	0.
3400.	3375.	92.	167.	-100.
3600.	3569.	106.	214.	-100.
3651.	3618.	109.	226.	10.
3659.	3626.	110.	228.	0.
3800.	3761.	121.	264.	-100.
4000.	3954.	138.	315.	-100.
4124.	4073.	149.	347.	0.
4155.	4103.	152.	355.	1.
4174.	4121.	153.	360.	3.
4200.	4146.	156.	367.	-100.
4260.	4204.	161.	383.	3.
4300.	4243.	164.	393.	2.
4320.	4262.	166.	398.	20.
4400.	4339.	174.	418.	-100.
4404.	4343.	174.	419.	0.
4600.	4532.	191.	466.	-100.
4649.	4579.	196.	478.	63.
4663.	4593.	197.	481.	47.
4714.	4642.	203.	493.	3.

WELL: 958-13

(continued)

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
4800.	4725.	212.	513.	-100.
4869.	4792.	220.	528.	0.
5000.	4919.	236.	557.	-100.
5010.	4929.	238.	559.	0.
5103.	5019.	250.	578.	0.
5200.	5113.	265.	597.	-100.
5370.	5278.	290.	633.	0.
5400.	5307.	294.	639.	-100.
5600.	5500.	323.	682.	-100.
5800.	5692.	354.	727.	-100.
5840.	5730.	360.	737.	0.
5879.	5767.	366.	746.	4.
6000.	5883.	385.	776.	-100.
6200.	6074.	418.	826.	-100.
6310.	6179.	438.	854.	0.
6400.	6264.	455.	877.	-100.
6600.	6454.	494.	928.	-100.
6784.	6628.	533.	973.	0.
6800.	6643.	537.	977.	-100.
7000.	6832.	582.	1026.	-100.
7080.	6907.	601.	1045.	2.
7098.	6924.	605.	1049.	0.
7170.	6991.	623.	1066.	0.
7200.	7019.	631.	1074.	-100.
7400.	7205.	680.	1121.	-100.
7560.	7354.	720.	1159.	0.

OPEN HOLE DESCRIPTION

	**** INTERVAL *****	
SIZE (IN)	TOP	BOTTOM
12.25	2771.	4997.

WELL: 958-14  
 LOCATION: 1791171E 399856N  
 SURFACE ELEVATION: 2947.  
 CASING SHOE: 2601.  
 FLOWRATE (KLBS/HR): 221.

COMMENTS: FELSITE AT 5780'. SPUD 6-7-87 T.D. 7-16-87.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	7.	-2.	-100.
400.	400.	12.	-4.	-100.
600.	600.	17.	-5.	-100.
800.	800.	21.	-4.	-100.
1000.	1000.	24.	-3.	-100.
1073.	1073.	25.	-2.	0.
1200.	1201.	24.	-8.	-100.
1400.	1401.	23.	-12.	-100.
1600.	1601.	23.	-10.	-100.
1800.	1800.	23.	-1.	-100.
2000.	1999.	24.	15.	-100.
2054.	2052.	25.	20.	0.
2200.	2195.	26.	48.	-100.
2400.	2392.	29.	86.	-100.
2600.	2588.	32.	124.	-100.
2601.	2589.	32.	124.	-10.
2800.	2785.	36.	160.	-100.
3000.	2982.	40.	197.	-100.
3040.	3021.	41.	204.	0.
3200.	3180.	42.	225.	-100.
3235.	3215.	43.	230.	-2.
3400.	3378.	46.	256.	-100.
3600.	3575.	52.	292.	-100.
3800.	3769.	60.	334.	-100.
3845.	3813.	62.	344.	0.
4000.	3965.	70.	377.	-100.
4063.	4027.	73.	392.	-2.
4200.	4159.	81.	427.	-100.
4400.	4348.	96.	485.	-100.
4600.	4534.	113.	552.	-100.
4676.	4604.	120.	580.	0.
4800.	4717.	134.	631.	-100.
4961.	4861.	152.	701.	18.
5000.	4896.	156.	718.	-100.
5172.	5047.	176.	797.	20.
5200.	5071.	179.	811.	-100.
5230.	5097.	183.	825.	0.
5287.	5146.	188.	853.	4.
5400.	5244.	199.	911.	-100.
5467.	5301.	206.	946.	6.
5600.	5412.	222.	1016.	-100.
5800.	5577.	250.	1124.	-100.
5880.	5642.	262.	1169.	0.
6000.	5739.	285.	1238.	-100.
6200.	5896.	325.	1355.	-100.
6392.	6044.	364.	1471.	12.
6400.	6050.	365.	1476.	-100.
6566.	6174.	400.	1580.	0.
6600.	6199.	407.	1602.	-100.
6720.	6287.	431.	1680.	5.
6800.	6344.	448.	1733.	-100.
6978.	6471.	490.	1850.	0.
7000.	6486.	495.	1865.	-100.
7200.	6625.	549.	1998.	-100.
7400.	6761.	607.	2132.	-100.
7483.	6816.	634.	2188.	10.
7600.	6894.	672.	2267.	-100.
7688.	6951.	703.	2327.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
12.25	2601.		6034.
10.63	6034.		7688.

WELL: 958-15  
LOCATION: 1796878E 401498N  
SURFACE ELEVATION: 2558.  
CASING SHOE: 0.  
FLOWRATE (KLBS/HR): 0.

COMMENTS: LOST CIRC. AT CSG DEPTH OF 3723. SET PLUG TO 3465'. LOST CIRC AND STUCK  
PIPE AT 3639' DRILLING CMT. PLUGGED BACK FOR REDRILL. 3/29/88 - 4/22/88.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	5.	3.	-100.
400.	400.	8.	4.	-100.
600.	599.	9.	3.	-100.
800.	799.	10.	0.	-100.
1000.	999.	8.	-4.	-100.
1090.	1089.	7.	-7.	0.
1200.	1200.	-3.	-10.	-100.
1400.	1400.	-14.	-17.	-100.
1600.	1599.	-18.	-28.	-100.
1800.	1798.	-13.	-42.	-100.
1822.	1820.	-12.	-44.	0.
2000.	1997.	2.	-58.	-100.
2200.	2195.	23.	-79.	-100.
2400.	2390.	52.	-104.	-100.
2493.	2481.	67.	-117.	0.
2600.	2585.	87.	-134.	-100.
2706.	2687.	108.	-151.	0.
2800.	2778.	128.	-166.	-100.
2955.	2927.	162.	-191.	0.
3000.	2970.	173.	-198.	-100.
3180.	3143.	214.	-227.	0.
3200.	3162.	218.	-231.	-100.
3383.	3338.	253.	-264.	0.
3400.	3354.	256.	-267.	-100.
3539.	3490.	277.	-290.	0.
3600.	3549.	286.	-300.	-100.
3639.	3587.	292.	-307.	-1.
3723.	3669.	305.	-321.	0.

WELL: 958-16 F1

LOCATION: 1797751E 400697N

SURFACE ELEVATION: 2655.

CASING SHOE: 2276.

DRILL RATE (KLBS/HR): 109.

REMARKS: DRILL TO 2355 SET 13 3/8 @2348 & MILL WNDW 2276-2311. PLUG BK TO 2060  
& KO THRU WNDW FOR 1ST LEG OF FORKED COMPLETION

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	7.	4.	-100.
400.	401.	11.	8.	-100.
600.	601.	11.	12.	-100.
800.	801.	9.	17.	-100.
1000.	1000.	3.	21.	-100.
1072.	1072.	0.	23.	0.
1200.	1200.	-2.	29.	-100.
1400.	1400.	-10.	37.	-100.
1600.	1599.	-25.	43.	-100.
1800.	1797.	-46.	47.	-100.
2000.	1994.	-73.	48.	-100.
2085.	2078.	-87.	48.	0.
2200.	2191.	-108.	46.	-100.
2276.	2266.	-122.	46.	-10.
2296.	2285.	-125.	47.	0.
2400.	2387.	-143.	59.	-100.
2600.	2583.	-176.	83.	-100.
2800.	2779.	-206.	107.	-100.
3000.	2975.	-235.	131.	-100.
3128.	3101.	-252.	147.	0.
3200.	3172.	-261.	156.	-100.
3382.	3351.	-284.	179.	20.
3400.	3369.	-286.	182.	-100.
3597.	3563.	-307.	206.	0.
3600.	3566.	-307.	207.	-100.
3800.	3763.	-324.	231.	-100.
4000.	3961.	-341.	255.	-100.
4075.	4035.	-347.	265.	0.
4200.	4159.	-357.	279.	-100.
4400.	4357.	-371.	304.	-100.
4600.	4555.	-385.	330.	-100.
4601.	4556.	-385.	330.	0.
4800.	4753.	-398.	359.	-100.
5000.	4950.	-409.	390.	-100.
5046.	4995.	-411.	397.	2.
5078.	5027.	-413.	402.	3.
5148.	5096.	-415.	414.	0.
5200.	5147.	-417.	422.	-100.
5210.	5157.	-417.	424.	61.
5400.	5344.	-422.	457.	-100.
5600.	5541.	-424.	493.	-100.
5690.	5629.	-424.	510.	13.
5800.	5737.	-423.	531.	0.

ANN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
12.25	22765.	800.

WELL: 958-16 F2  
 LOCATION: 1797751E 400697N  
 SURFACE ELEVATION: 2655.  
 CASING SHOE: 2349.  
 RATE (KLBS/HR): 49.

COMMENTS: AFTER COMP OF F1 DRILL OUT PLUG BTWN WNDW & SHOE & DEEPEMED TO 10850.  
 FELSITE @8500 SPUD 13 3/8 CSG 12/23-1/4/92 RESUME 1/26/92 TD 3/8/92

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	7.	4.	-100.
400.	401.	11.	8.	-100.
600.	601.	11.	12.	-100.
800.	801.	9.	17.	-100.
1000.	1000.	3.	21.	-100.
1072.	1072.	0.	23.	0.
1200.	1200.	-3.	30.	-100.
1400.	1400.	-13.	39.	-100.
1600.	1599.	-28.	45.	-100.
1800.	1797.	-48.	48.	-100.
2000.	1994.	-74.	49.	-100.
2085.	2078.	-87.	48.	0.
2200.	2191.	-107.	46.	-100.
2330.	2318.	-129.	44.	0.
2349.	2337.	-132.	44.	-10.
2400.	2387.	-141.	43.	-100.
2600.	2585.	-175.	40.	-100.
2800.	2782.	-205.	38.	-100.
3000.	2981.	-231.	38.	-100.
3064.	3044.	-239.	39.	0.
3200.	3179.	-254.	44.	-100.
3400.	3378.	-274.	50.	-100.
3600.	3577.	-290.	56.	-100.
3800.	3777.	-303.	60.	-100.
4000.	3976.	-312.	63.	-100.
4034.	4010.	-313.	63.	0.
4200.	4176.	-313.	63.	-100.
4400.	4376.	-313.	62.	-100.
4577.	4553.	-312.	62.	11.
4600.	4576.	-311.	62.	-100.
4800.	4776.	-309.	61.	-100.
5000.	4976.	-306.	60.	-100.
5034.	5010.	-306.	60.	0.
5200.	5176.	-301.	57.	-100.
5400.	5376.	-295.	54.	-100.
5589.	5564.	-290.	52.	8.
5600.	5575.	-290.	52.	-100.
5800.	5775.	-284.	50.	-100.
6000.	5975.	-278.	50.	-100.
6122.	6097.	-275.	50.	0.
6200.	6175.	-273.	30.	-100.
6400.	6375.	-269.	-4.	-100.
6600.	6575.	-263.	-14.	-100.
6800.	6775.	-257.	1.	-100.
7000.	6975.	-250.	39.	-100.
7079.	7054.	-247.	61.	0.
7200.	7175.	-245.	294.	-100.
7400.	7375.	-240.	514.	-100.

WELL: 958-16 F2  
CONTINUED...

7558.	7533.	-233.	625.	4.
7600.	7575.	-231.	648.	-100.
7800.	7775.	-219.	727.	-100.
8000.	7974.	-203.	765.	-100.
8004.	7978.	-203.	766.	0.
8026.	8000.	-201.	734.	12.
8200.	8173.	-182.	531.	-100.
8400.	8372.	-159.	364.	-100.
8600.	8570.	-134.	245.	-100.
8800.	8768.	-107.	163.	-100.
9000.	8966.	-78.	110.	-100.
9116.	9080.	-61.	92.	0.
9200.	9163.	-43.	96.	-100.
9400.	9359.	-8.	105.	-100.
9600.	9556.	20.	113.	-100.
9612.	9568.	22.	114.	0.
9800.	9753.	41.	120.	-100.
10000.	9950.	54.	125.	-100.
10200.	10148.	60.	128.	-100.
10400.	10345.	59.	131.	-100.
10600.	10543.	51.	132.	-100.
10800.	10741.	35.	131.	-100.
10850.	10790.	30.	131.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL *****	
	TOP	BOTTOM
7.52	34923.	5512.
25235.00	57822.	11.
7822.00	10850.	0.

1,797,751 400,696

CA 958-16 F1 958-16 F1 ~~A1799708E 403200N~~ 2655 2276. 109 0 1 4 A

12.25 2276 5800

DRILD TO 2355 SET 13 3/8 @2348 & MILL WNDW 2276-2311. PLUG BK TO 2060 & KO THRU WNDW FOR 1ST LEG OF FORKED COMPLETION. 1/5-25/92.

1072.	1072.	-.1	22.8	
2085.	2078.	-86.5	48.4	
2296.	2285.	-125.3	46.7	
3128.	3101.	-251.6	146.9	
254 215 3382.	3332			20.
3597.	3563.	-306.9	206.4	
4075.	4035.	-346.8	264.7	
4601.	4556.	-384.7	330.3	
5046.				2.
5078.				3.
5148.	5096.	-415.4	413.6	
5210.				61.
5690.				13.
5800.	5737.	-423.2	530.9	

Wtd ave TVD of Stm = 4952

1,797,751 400,696

CA 958-16 F2 958-16 F2 ~~A1799708E 403200N~~ 2655 2349. 49. 0 1 4 A

17.5 2349 2355 12.25 2355 7822 10.63 7822 10850

AFTER COMP OF F1 DRILD OUT PLUG BTWN WNDW & SHOE & DEEPENED TO 10850.

FELSITE @8500. SPUD-13 3/8 CSG, 12/23-1/4/92; RESUME 1/26/92, TD 3/8/92

1072.	1072.	-.1	22.8	
2085.	2078.	-86.5	48.4	
2330.	2318.	-128.6	44.0	
3064.	3044.	-239.0	38.5	
4034.	4010.	-313.1	63.3	
4577.				11.
5034.	5010.	-305.6	59.5	
5589.				8.
6122.	6097.	-274.6	50.0	
7079.	7054.	-247.4	61.4	
7558.				4.
8004.	7978.	-203.7	65.8	
8026.				12.
9116.	9568.	-60.7	92.0	
9612.	9568.	21.8	113.7	
10850.	10790.	30.0	131.0	

Wtd ave TVD of Stm = 6304

Wtd Midpt of Stm (for both forks)

3595. 271 E 5411' TVD

E : 1,798,022

N : 400,337

CA 958-16 F1 958-16 F1 A1797751E 400697N 2655 2276. 109 0 1 4 A

12.25 2276 5800

DRLD TO 2355 SET 13 3/8 @2348 & MILL WNDW 2276-2311. PLUG BK TO 2060 &

KO THRU WNDW FOR 1ST LEG OF FORKED COMPLETION

1072.	1072.	-.1	22.8	
.085.	2078.	-86.5	48.4	
2296.	2285.	-125.3	46.7	
3128.	3101.	-251.6	146.9	
3382.				20.
3597.	3563.	-306.9	206.4	
4075.	4035.	-346.8	264.7	
4601.	4556.	-384.7	330.3	
5046.				2.
5078.				3.
5148.	5096.	-415.4	413.6	
5210.				61.
5690.				13.
5800.	5737.	-423.2	530.9	

CA 958-16 F2 958-16 F2 A1797751E 400697N 2655 2349. 49. 0 1 4 A

17.5 2349 2355 12.25 2355 7822 10.63 7822 10850

AFTER COMP OF F1 DRDL OUT PLUG BTWN WNDW & SHOE & DEEPENED TO 10850.

FELSITE @8500 SPUD 13 3/8 CSG 12/23-1/4/92 RESUME 1/26/92 TD 3/8/92

1072.	1072.	-.1	22.8	
2085.	2078.	-86.5	48.4	
2330.	2318.	-128.6	44.0	
3064.	3044.	-239.0	38.5	
4034.	4010.	-313.1	63.3	
4577.				11.
5034.	5010.	-305.6	59.5	
5589.				8.
6122.	6097.	-274.6	50.0	
7079.	7054.	-247.4	61.4	
7558.				4.
8004.	7978.	-203.7	65.8	
8026.				12.
9116.	9080.	-60.7	92.0	
9612.	9568.	21.8	113.7	
10850.	10790.	30.0	131.0	

WELL: 1862-1  
 LOCATION: 1790399E 405226N  
 SURFACE ELEVATION: 3256.  
 CASING SHOE: 3486.  
 FLOWRATE (KLBS/HR): 82.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	2.	-3.	-100.
400.	400.	3.	-7.	-100.
600.	600.	4.	-11.	-100.
800.	800.	4.	-15.	-100.
1000.	1000.	5.	-20.	-100.
1051.	1051.	5.	-21.	0.
1200.	1199.	4.	-25.	-100.
1400.	1398.	3.	-30.	-100.
1600.	1598.	2.	-36.	-100.
1800.	1798.	2.	-43.	-100.
2000.	1998.	1.	-50.	-100.
2074.	2073.	1.	-53.	0.
2200.	2199.	0.	-59.	-100.
2400.	2399.	-1.	-67.	-100.
2600.	2599.	-1.	-77.	-100.
2800.	2798.	0.	-86.	-100.
3000.	2998.	2.	-96.	-100.
3004.	3002.	2.	-96.	0.
3200.	3198.	5.	-115.	-100.
3400.	3398.	10.	-122.	-100.
3486.	3483.	13.	-122.	-10.
3506.	3503.	13.	-121.	0.
3600.	3597.	15.	-116.	-100.
3800.	3795.	23.	-97.	-100.
4000.	3991.	33.	-67.	-100.
4015.	4006.	34.	-64.	0.
4200.	4185.	49.	-5.	-100.
4400.	4376.	67.	59.	-100.
4540.	4509.	80.	106.	1.
4600.	4566.	87.	126.	-100.
4800.	4754.	108.	194.	-100.
5000.	4940.	132.	264.	-100.
5038.	4975.	137.	277.	0.
5200.	5121.	161.	336.	-100.
5220.	5139.	165.	343.	1.
5250.	5166.	169.	354.	1.
5400.	5302.	192.	410.	50.
5600.	5482.	221.	484.	-100.
5800.	5663.	251.	560.	-100.
5930.	5780.	270.	610.	50.
5985.	5830.	278.	632.	50.
6000.	5843.	280.	637.	-100.
6004.	5847.	281.	639.	0.
6190.	6013.	304.	719.	1.
6200.	6022.	305.	723.	1.
6395.	6197.	331.	804.	50.
6400.	6202.	332.	806.	-100.
6600.	6382.	360.	887.	-100.
6800.	6562.	391.	966.	-100.
7000.	6744.	423.	1043.	-100.
7054.	6793.	432.	1063.	0.
7200.	6926.	457.	1117.	-100.
7400.	7109.	493.	1190.	-100.
7600.	7293.	531.	1260.	-100.
7800.	7477.	571.	1329.	-100.
7879.	7550.	587.	1355.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** BOTTOM
8.75	3486.	7879.

WELL: 1862-2  
 LOCATION: 1792184E 404246N  
 SURFACE ELEVATION: 3261.  
 CASING SHOE: 4300.  
 FLOWRATE (KLBS/HR): 186.

COMMENTS:  
 WELLHEAD LOCATION FROM SURVEY DATED 11-10-77.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	2.	-2.	-100.
400.	400.	5.	-3.	-100.
600.	600.	7.	-6.	-100.
800.	800.	9.	-8.	-100.
1000.	1000.	11.	-11.	-100.
1100.	1100.	12.	-13.	0.
1200.	1200.	11.	-16.	-100.
1400.	1400.	10.	-22.	-100.
1600.	1600.	11.	-27.	-100.
1800.	1800.	15.	-30.	-100.
2000.	2000.	21.	-31.	0.
2200.	2204.	15.	-33.	-100.
2400.	2405.	18.	-32.	-100.
2600.	2605.	30.	-30.	-100.
2800.	2802.	52.	-25.	-100.
3000.	2996.	83.	-18.	-100.
3015.	3011.	86.	-18.	0.
3200.	3189.	138.	-8.	-100.
3400.	3379.	197.	4.	-100.
3600.	3568.	261.	18.	-100.
3800.	3754.	329.	32.	-100.
4000.	3939.	401.	48.	-100.
4090.	4022.	435.	56.	0.
4200.	4122.	480.	66.	-100.
4300.	4213.	521.	75.	-10.
4305.	4217.	523.	75.	200.
4400.	4303.	563.	84.	-100.
4550.	4438.	626.	99.	25.
4555.	4443.	628.	100.	25.
4600.	4483.	647.	104.	-100.
4800.	4662.	734.	125.	-100.
4839.	4697.	751.	129.	0.
5000.	4840.	822.	147.	-100.
5200.	5017.	913.	169.	-100.
5400.	5193.	1005.	193.	-100.
5468.	5252.	1037.	201.	0.

OPEN HOLE DESCRIPTION  
 \*\*\*\*\* INTERVAL \*\*\*\*\*  
 SIZE (IN) TOP BOTTOM  
 8.75 4300. 5468.

1802-

WELL: 3 OH  
LOCATION: 1786051E 409608N  
SURFACE ELEVATION: 3774.  
CASING SHOE: 3769.  
FLOWRATE (KLBS/HR): 0.

COMMENTS: FISH LEFT IN HOLE. PBD 4071'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	-1.	-100.
400.	400.	-6.	-3.	-100.
548.	548.	-11.	-5.	0.
600.	600.	-14.	-7.	-100.
800.	799.	-25.	-12.	-100.
1000.	999.	-37.	-18.	-100.
1013.	1012.	-37.	-18.	0.
1200.	1199.	-49.	-22.	-100.
1400.	1398.	-61.	-28.	-100.
1571.	1569.	-72.	-35.	0.
1600.	1598.	-73.	-36.	-100.
1800.	1797.	-86.	-45.	-100.
2000.	1996.	-99.	-55.	-100.
2036.	2032.	-102.	-56.	0.
2200.	2196.	-111.	-68.	-100.
2400.	2395.	-126.	-79.	-100.
2600.	2594.	-145.	-88.	-100.
2687.	2680.	-154.	-91.	0.
2800.	2792.	-168.	-92.	-100.
3000.	2991.	-193.	-96.	-100.
3059.	3049.	-201.	-97.	0.
3200.	3189.	-220.	-102.	-100.
3400.	3387.	-246.	-108.	0.
3600.	3585.	-272.	-114.	-100.
3769.	3752.	-294.	-120.	-10.
3800.	3783.	-297.	-121.	-100.
3804.	3787.	-298.	-121.	0.
4000.	3981.	-323.	-127.	-100.
4200.	4179.	-349.	-134.	-100.
4400.	4377.	-375.	-140.	-100.
4500.	4476.	-388.	-143.	50.
4600.	4575.	-400.	-147.	-100.
4774.	4747.	-423.	-152.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
8.75	3769.	4774.

1862 -

WELL: 3 ST1  
 LOCATION: 1786051E 409608N  
 SURFACE ELEVATION: 3774.  
 CASING SHOE: 3769.

FLOWRATE (KLBS/HR): 0.  
 COMMENTS: NEW HOLE DRILLED OFF WHIPSTOCK AT 3948'. UNSTABLE HOLE-RAN 7"LINER TO 4736'. PULLED DRILPIPE APART ATTEMPTING TO CLEAN HOLE.TOP OF FISH 5288'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	-1.	-100.
400.	400.	-6.	-3.	-100.
548.	548.	-11.	-5.	0.
600.	600.	-14.	-7.	-100.
800.	799.	-25.	-12.	-100.
1000.	999.	-37.	-18.	-100.
1013.	1012.	-37.	-18.	0.
1200.	1199.	-49.	-22.	-100.
1400.	1398.	-61.	-28.	-100.
1571.	1569.	-72.	-35.	0.
1600.	1598.	-73.	-36.	-100.
1800.	1797.	-86.	-45.	-100.
2000.	1996.	-99.	-55.	-100.
2036.	2032.	-102.	-56.	0.
2200.	2196.	-111.	-68.	-100.
2400.	2395.	-126.	-79.	-100.
2600.	2594.	-145.	-88.	-100.
2687.	2680.	-154.	-91.	0.
2800.	2792.	-168.	-92.	-100.
3000.	2991.	-193.	-96.	-100.
3059.	3049.	-201.	-97.	0.
3200.	3189.	-220.	-102.	-100.
3400.	3387.	-246.	-108.	0.
3600.	3585.	-271.	-116.	-100.
3769.	3752.	-293.	-120.	-10.
3800.	3783.	-297.	-121.	-100.
3804.	3787.	-298.	-121.	0.
3962.	3944.	-321.	-122.	0.
4000.	3981.	-327.	-120.	-100.
4082.	4062.	-341.	-114.	0.
4177.	4155.	-358.	-106.	0.
4200.	4177.	-363.	-104.	-100.
4300.	4274.	-384.	-96.	0.
4393.	4365.	-406.	-92.	0.
4400.	4372.	-408.	-92.	-100.
4600.	4567.	-453.	-85.	-100.
4755.	4717.	-490.	-81.	1.
4800.	4761.	-501.	-80.	-100.
4890.	4848.	-523.	-78.	0.
5000.	4954.	-552.	-75.	1.
5200.	5146.	-606.	-72.	-100.
5400.	5338.	-661.	-71.	-100.
5431.	5368.	-669.	-71.	0.
5600.	5531.	-714.	-71.	-100.
5800.	5723.	-769.	-75.	-100.
5909.	5827.	-800.	-78.	0.
5970.	5886.	-817.	-81.	1.
6000.	5914.	-825.	-83.	-100.
6200.	6105.	-884.	-94.	-100.
6386.	6282.	-941.	-105.	0.
6400.	6295.	-945.	-106.	-100.
6480.	6371.	-971.	-111.	0.
6575.	6461.	-1001.	-117.	0.
6600.	6485.	-1008.	-119.	-100.
6800.	6674.	-1068.	-131.	-100.
7000.	6864.	-1129.	-144.	-100.
7044.	6905.	-1142.	-147.	0.
7053.	6914.	-1145.	-148.	1.
7200.	7053.	-1190.	-157.	-100.
7400.	7242.	-1252.	-171.	-100.
7438.	7278.	-1264.	-173.	70.
7462.	7301.	-1272.	-175.	80.
7467.	7306.	-1273.	-175.	100.
7556.	7390.	-1302.	-181.	1.
7600.	7432.	-1316.	-184.	-100.
7739.	7563.	-1360.	-194.	0.

OPEN HOLE DESCRIPTION

\*\*\*\* INTERVAL \*\*\*\*\*  
 SIZE (IN) TOP BOTTOM  
 8.75 3769. 7739.

1862-

WELL: 3 ST2  
LOCATION: 1786051E 409608N  
SURFACE ELEVATION: 3774.  
CASING SHOE: 4736.  
FLOWRATE (KLBS/HR): 0.

COMMENTS: ST-2 STARTED ACCIDENTALLY WHILE FISHING FOR DRILLPIPE IN ST-1. ASSUME  
4890 IS K.O.P. PROBLEMS HITTING TOP FISH IN ST-1. PB&KO ST-3 AT 5203.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	-1.	-100.
400.	400.	-6.	-3.	-100.
548.	548.	-11.	-5.	0.
600.	600.	-14.	-7.	-100.
800.	799.	-25.	-12.	-100.
1000.	999.	-37.	-18.	-100.
1013.	1012.	-37.	-18.	0.
1200.	1199.	-49.	-22.	-100.
1400.	1398.	-61.	-28.	-100.
1571.	1569.	-72.	-35.	0.
1600.	1598.	-73.	-36.	-100.
1800.	1797.	-86.	-45.	-100.
2000.	1996.	-99.	-55.	-100.
2036.	2032.	-102.	-56.	0.
2200.	2196.	-111.	-68.	-100.
2400.	2395.	-126.	-79.	-100.
2600.	2594.	-145.	-88.	-100.
2687.	2680.	-154.	-91.	0.
2800.	2792.	-168.	-92.	-100.
3000.	2991.	-193.	-96.	-100.
3059.	3049.	-201.	-97.	0.
3200.	3189.	-220.	-102.	-100.
3400.	3387.	-246.	-108.	0.
3600.	3585.	-271.	-116.	-100.
3800.	3783.	-297.	-121.	-100.
3804.	3787.	-298.	-121.	0.
3962.	3944.	-321.	-122.	0.
4000.	3981.	-327.	-120.	-100.
4082.	4062.	-341.	-114.	0.
4177.	4155.	-358.	-105.	0.
4200.	4177.	-363.	-103.	-100.
4300.	4274.	-384.	-96.	0.
4393.	4365.	-406.	-92.	0.
4400.	4372.	-408.	-92.	-100.
4600.	4565.	-454.	-86.	-100.
4736.	4698.	-486.	-82.	-10.
4800.	4760.	-502.	-80.	-100.
4890.	4848.	-523.	-77.	0.
5000.	4956.	-549.	-74.	-100.
5200.	5152.	-598.	-67.	-100.
5400.	5350.	-647.	-61.	-100.
5600.	5548.	-697.	-55.	-100.
5800.	5747.	-748.	-48.	-100.
6000.	5948.	-799.	-41.	-100.
6042.	5990.	-810.	-40.	1.
6043.	5991.	-810.	-40.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
6.13	4736.		6043.

1862-

WELL: 3 ST3  
 LOCATION: 1786051E 409608N  
 SURFACE ELEVATION: 3774.  
 CASING SHOE: 4736.

FLOWRATE (KLBS/HR): 82.  
 COMMENTS: DIREC. CONT. ONLY TO 5827'. K.O. FROM ST-2 AT 5203' DUE TO PROBLEM RBIH ST-2  
 AND HITTING TOP OF FISH IN ST-1.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	-1.	-100.
400.	400.	-6.	-3.	-100.
548.	548.	-11.	-5.	0.
600.	600.	-14.	-7.	-100.
800.	799.	-25.	-12.	-100.
1000.	999.	-37.	-18.	-100.
1013.	1012.	-37.	-18.	0.
1200.	1199.	-49.	-22.	-100.
1400.	1398.	-61.	-28.	-100.
1571.	1569.	-72.	-35.	0.
1600.	1598.	-73.	-36.	-100.
1800.	1797.	-86.	-45.	-100.
2000.	1996.	-99.	-55.	-100.
2036.	2032.	-102.	-56.	0.
2200.	2196.	-111.	-68.	-100.
2400.	2395.	-126.	-79.	-100.
2600.	2594.	-145.	-88.	-100.
2687.	2680.	-154.	-91.	0.
2800.	2792.	-168.	-92.	-100.
3000.	2991.	-193.	-96.	-100.
3059.	3049.	-201.	-97.	0.
3200.	3189.	-220.	-102.	-100.
3400.	3387.	-246.	-108.	0.
3600.	3585.	-271.	-116.	-100.
3800.	3783.	-297.	-121.	-100.
3804.	3787.	-298.	-121.	0.
3962.	3944.	-321.	-122.	0.
3993.	3974.	-326.	-122.	0.
4000.	3981.	-327.	-121.	-100.
4082.	4062.	-341.	-114.	0.
4177.	4154.	-358.	-105.	0.
4200.	4176.	-363.	-103.	-100.
4300.	4274.	-384.	-96.	0.
4393.	4365.	-406.	-92.	0.
4400.	4372.	-408.	-92.	-100.
4600.	4566.	-458.	-87.	-100.
4736.	4698.	-490.	-83.	-10.
4800.	4760.	-504.	-81.	-100.
4890.	4848.	-523.	-78.	0.
5000.	4956.	-542.	-72.	-100.
5200.	5154.	-576.	-62.	-100.
5400.	5350.	-609.	-55.	-100.
5525.	5473.	-630.	-51.	0.
5579.	5526.	-639.	-50.	0.
5600.	5546.	-643.	-50.	-100.
5670.	5615.	-657.	-52.	0.
5734.	5678.	-670.	-55.	0.
5800.	5743.	-683.	-59.	-100.
5827.	5769.	-689.	-61.	0.
6000.	5936.	-729.	-74.	-100.
6200.	6127.	-781.	-90.	-100.
6400.	6314.	-842.	-110.	-100.
6586.	6487.	-906.	-130.	0.
6600.	6498.	-911.	-131.	-100.
6800.	6679.	-988.	-155.	-100.
7000.	6856.	-1073.	-182.	-100.
7040.	6889.	-1091.	-188.	0.
7200.	7031.	-1168.	-211.	-100.
7400.	7203.	-1272.	-243.	-100.
7420.	7220.	-1283.	-246.	70.
7590.	7364.	-1381.	-275.	5.
7600.	7372.	-1387.	-277.	-100.
7658.	7421.	-1422.	-287.	10.
7735.	7485.	-1471.	-301.	10.
7740.	7489.	-1474.	-302.	20.
7800.	7539.	-1513.	-314.	-100.
7986.	7691.	-1640.	-350.	0.

OPEN HOLE DESCRIPTION

\*\*\*\*\* INTERVAL \*\*\*\*\*  
 SIZE (IN) TOP BOTTOM  
 6.13 4736. 7986.

1862 -

WELL: 4  
 LOCATION: 1789407E 407003N  
 SURFACE ELEVATION: 3395.  
 CASING SHOE: 4429.  
 FLOWRATE (KLBS/HR): 70.

COMMENTS: FISH LEFT IN HOLE - TOP AT 7310.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-5.	0.	-100.
400.	400.	-10.	1.	-100.
600.	600.	-15.	2.	-100.
800.	800.	-20.	4.	-100.
1000.	1000.	-26.	6.	-100.
1049.	1049.	-27.	7.	0.
1200.	1200.	-31.	12.	-100.
1400.	1400.	-36.	17.	-100.
1600.	1600.	-42.	21.	-100.
1800.	1799.	-49.	24.	-100.
2000.	1999.	-57.	25.	-100.
2059.	2058.	-59.	25.	0.
2200.	2199.	-74.	27.	-100.
2400.	2399.	-91.	27.	-100.
2600.	2599.	-103.	24.	-100.
2800.	2798.	-109.	19.	-100.
3000.	2997.	-110.	11.	-100.
3017.	3014.	-110.	10.	0.
3200.	3195.	-97.	-6.	-100.
3400.	3394.	-83.	-23.	-100.
3600.	3592.	-68.	-39.	-100.
3800.	3791.	-52.	-55.	-100.
4000.	3989.	-35.	-70.	-100.
4021.	4010.	-34.	-72.	0.
4200.	4189.	-17.	-81.	-100.
4241.	4230.	-13.	-83.	-1.
4400.	4388.	2.	-92.	-100.
4429.	4417.	4.	-94.	-10.
4530.	4517.	14.	-101.	25.
4600.	4587.	21.	-105.	-100.
4800.	4785.	40.	-120.	-100.
5000.	4982.	59.	-135.	-100.
5036.	5018.	62.	-138.	0.
5145.	5125.	73.	-146.	5.
5200.	5178.	78.	-151.	-100.
5268.	5245.	84.	-157.	5.
5400.	5374.	97.	-168.	-100.
5600.	5570.	117.	-188.	-100.
5800.	5767.	137.	-209.	-100.
6000.	5964.	158.	-233.	-100.
6003.	5967.	158.	-233.	0.
6200.	6164.	177.	-261.	-100.
6400.	6362.	198.	-289.	-100.
6600.	6561.	220.	-319.	-100.
6800.	6758.	242.	-349.	-100.
7000.	6956.	266.	-380.	-100.
7035.	6990.	270.	-386.	0.
7200.	7150.	289.	-420.	-100.
7295.	7243.	301.	-439.	100.
7400.	7345.	314.	-458.	-100.
7597.	7538.	340.	-492.	20.
7600.	7540.	340.	-493.	-100.
7800.	7736.	368.	-524.	-100.
8000.	7932.	398.	-551.	-100.
8035.	7966.	403.	-555.	0.
8200.	8128.	429.	-574.	-100.
8357.	8282.	454.	-590.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
8.75	4429.	8357.

1866 -

WELL: 6 OH  
LOCATION: 1785390E 408152N  
SURFACE ELEVATION: 3388.  
CASING SHOE: 3892.  
FLOWRATE (KLBS/HR): 112.

COMMENTS:  
WELL TESTED WITH FISH IN HOLE. TOP OF FISH AT 3468'.  
USED AS INJECTOR FROM 9/83 UNTIL REDRILLED 5/85.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
141.	141.	0.	1.	0.
200.	200.	0.	0.	-100.
233.	233.	0.	0.	0.
315.	315.	2.	0.	0.
400.	400.	2.	-2.	-100.
415.	415.	2.	-2.	0.
506.	506.	5.	0.	0.
600.	600.	8.	1.	0.
693.	693.	11.	0.	0.
788.	788.	14.	-1.	0.
800.	800.	15.	0.	-100.
881.	881.	17.	0.	0.
974.	974.	19.	1.	0.
1000.	1000.	19.	1.	-100.
1067.	1067.	21.	1.	0.
1157.	1157.	24.	1.	0.
1200.	1200.	25.	1.	-100.
1251.	1251.	26.	1.	0.
1343.	1343.	28.	0.	0.
1400.	1400.	28.	0.	-100.
1437.	1437.	28.	0.	0.
1562.	1562.	28.	-2.	0.
1600.	1600.	28.	-2.	-100.
1655.	1655.	28.	-3.	0.
1748.	1747.	26.	-4.	0.
1800.	1799.	25.	-4.	-100.
1842.	1841.	24.	-5.	0.
1935.	1934.	20.	-6.	0.
2000.	1999.	18.	-7.	-100.
2029.	2028.	17.	-7.	0.
2123.	2122.	15.	-9.	0.
2200.	2199.	13.	-11.	-100.
2213.	2212.	12.	-11.	0.
2364.	2363.	11.	-19.	0.
2400.	2399.	10.	-20.	-100.
2427.	2426.	9.	-21.	0.
2458.	2457.	8.	-22.	0.
2473.	2472.	8.	-23.	0.
2535.	2534.	4.	-28.	0.
2600.	2598.	-2.	-34.	-100.
2608.	2606.	-2.	-35.	0.
2703.	2700.	-11.	-48.	0.
2795.	2789.	-22.	-65.	0.
2800.	2794.	-23.	-65.	-100.
2858.	2851.	-31.	-76.	0.
2889.	2881.	-36.	-83.	0.
2990.	2978.	-54.	-102.	0.
3000.	2988.	-55.	-104.	-100.
3084.	3069.	-67.	-121.	0.
3177.	3159.	-81.	-140.	0.
3200.	3181.	-85.	-145.	-100.
3271.	3250.	-96.	-160.	0.
3364.	3339.	-109.	-181.	0.
3400.	3374.	-115.	-189.	-100.
3460.	3432.	-126.	-202.	0.
3553.	3521.	-143.	-223.	0.
3600.	3565.	-152.	-234.	-100.
3741.	3699.	-180.	-267.	0.
3800.	3755.	-192.	-281.	-100.
3892.	3843.	-210.	-304.	-10.
4000.	3945.	-233.	-332.	-100.
4063.	4004.	-246.	-349.	0.
4200.	4131.	-278.	-389.	-100.
4335.	4257.	-307.	-427.	0.
4400.	4318.	-320.	-444.	-100.
4478.	4392.	-334.	-465.	15.
4528.	4439.	-344.	-478.	0.
4600.	4507.	-358.	-497.	-100.
4683.	4586.	-374.	-519.	5.

1862-  
 4800. 4696. -395. -550. -100.  
 WELL: 6 OH (CONTINUED DATA)  
 LOCATION: 1785390E 408152N  
 SURFACE ELEVATION: 3388.  
 CASING SHOE: 3892.  
 FLOWRATE (KLBS/HR): 112.

COMMENTS:  
 WELL TESTED WITH FISH IN HOLE. TOP OF FISH AT 3468'.  
 USED AS INJECTOR FROM 9/83 UNTIL REDRILLED 5/85.

5000.	4885.	-431.	-604.	-100.
5026.	4910.	-436.	-611.	0.
5200.	5076.	-461.	-657.	-100.
5400.	5266.	-491.	-712.	-100.
5600.	5455.	-522.	-770.	-100.
5800.	5643.	-553.	-829.	-100.
5925.	5760.	-573.	-868.	150.
6000.	5830.	-586.	-891.	-100.
6037.	5865.	-592.	-903.	0.
6200.	6017.	-619.	-956.	-100.
6332.	6139.	-642.	-999.	40.
6400.	6202.	-654.	-1022.	-100.
6600.	6386.	-690.	-1091.	-100.
6800.	6569.	-726.	-1163.	-100.
6815.	6583.	-729.	-1168.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL *****	TOP	BOTTOM
8.75		3892.	6815.

1862 -

WELL: 6 RD  
LOCATION: 1785390E 408152N  
SURFACE ELEVATION: 3388.  
CASING SHOE: 4038.  
FLOWRATE (KLBS/HR): 110.

COMMENTS: REDRILLED FM 1587' IN OH. TOP FELSITE 7060'. ENT'S 5429 & 5458 QUES'BLE.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
141.	141.	0.	1.	0.
200.	200.	0.	0.	-100.
233.	233.	0.	0.	0.
315.	315.	2.	0.	0.
400.	400.	2.	-2.	-100.
415.	415.	2.	-2.	0.
506.	506.	5.	0.	0.
600.	600.	8.	1.	0.
693.	693.	11.	0.	0.
788.	788.	14.	-1.	0.
800.	800.	15.	0.	-100.
881.	881.	17.	0.	0.
974.	974.	19.	1.	0.
1000.	1000.	19.	1.	-100.
1067.	1067.	21.	1.	0.
1157.	1157.	24.	1.	0.
1200.	1200.	25.	1.	-100.
1251.	1251.	26.	1.	0.
1343.	1343.	28.	0.	0.
1400.	1400.	28.	0.	-100.
1437.	1437.	28.	0.	0.
1562.	1562.	28.	-2.	0.
1592.	1592.	28.	-3.	0.
1600.	1600.	28.	-3.	-100.
1765.	1764.	28.	-20.	0.
1800.	1798.	28.	-25.	-100.
1889.	1886.	27.	-38.	0.
2000.	1996.	24.	-57.	-100.
2200.	2193.	19.	-90.	-100.
2267.	2259.	17.	-102.	0.
2400.	2390.	16.	-125.	-100.
2600.	2586.	8.	-162.	-100.
2604.	2590.	8.	-162.	0.
2800.	2782.	-8.	-198.	-100.
3000.	2976.	-26.	-237.	-100.
3017.	2993.	-28.	-241.	0.
3200.	3171.	-50.	-281.	-100.
3275.	3244.	-58.	-298.	-1.
3400.	3365.	-72.	-328.	-100.
3417.	3381.	-73.	-332.	0.
3600.	3557.	-90.	-379.	-100.
3795.	3744.	-110.	-429.	0.
3800.	3749.	-111.	-430.	-100.
4000.	3942.	-132.	-477.	-100.
4038.	3979.	-137.	-486.	-10.
4140.	4077.	-149.	-511.	-3.
4200.	4134.	-157.	-526.	-100.
4400.	4325.	-184.	-579.	-100.
4404.	4329.	-185.	-580.	0.
4600.	4514.	-215.	-636.	-100.
4723.	4630.	-235.	-671.	-3.
4776.	4680.	-244.	-687.	0.
4800.	4702.	-249.	-694.	-100.
5000.	4890.	-284.	-754.	-100.
5016.	4905.	-287.	-759.	0.
5200.	5079.	-316.	-809.	-100.
5322.	5195.	-334.	-844.	0.
5400.	5269.	-343.	-868.	-100.
5429.	5296.	-346.	-876.	1.
5458.	5324.	-349.	-885.	1.
5503.	5366.	-355.	-899.	14.
5600.	5458.	-367.	-928.	-100.
5689.	5542.	-379.	-954.	0.
5800.	5647.	-395.	-988.	-100.
6000.	5836.	-426.	-1045.	-100.
6061.	5894.	-436.	-1062.	0.
6128.	5958.	-448.	-1077.	86.
6200.	6027.	-460.	-1095.	-100.
6400.	6217.	-493.	-1145.	-100.
6442.	6257.	-500.	-1157.	0.

WELL: 6 RD (CONTINUED DATA)  
 LOCATION: 1785390E 408152N  
 SURFACE ELEVATION: 3388.  
 CASING SHOE: 4038.  
 FLOWRATE (KLBS/HR): 110.

COMMENTS: REDRILLED FM 1587' IN OH. TOP FELSITE 7060'. ENT'S 5429 & 5458 QUES'BLE.

6600.	6407.	-523.	-1199.	-100.
6800.	6595.	-552.	-1260.	-100.
6822.	6616.	-555.	-1267.	0.
7000.	6782.	-581.	-1328.	-100.
7105.	6878.	-596.	-1367.	0.
7200.	6965.	-609.	-1403.	-100.
7382.	7128.	-638.	-1478.	0.
7400.	7144.	-641.	-1486.	-100.
7600.	7317.	-679.	-1579.	-100.
7753.	7444.	-713.	-1656.	0.
7800.	7482.	-725.	-1682.	-100.
8000.	7638.	-779.	-1794.	-100.
8032.	7663.	-788.	-1812.	0.
8200.	7790.	-836.	-1911.	-100.
8310.	7872.	-869.	-1977.	0.
8400.	7938.	-896.	-2032.	-100.
8438.	7965.	-908.	-2056.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
8.75	4038.		8438.

1862-7

WELL: 7  
 LOCATION: 1782437E 407469N  
 SURFACE ELEVATION: 2649.  
 CASING SHOE: 2670.  
 FLOWRATE (KLBS/HR): 184.

COMMENTS: DECLINED FROM 271 TO 150 KLBS/HR. IN 3 YRS. DEEPENED 2-15-87 TO 2-23-87.  
 FELSITE AT 5370'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	0.	0.	-100.
400.	400.	-1.	0.	-100.
600.	600.	-2.	1.	-100.
800.	800.	-3.	2.	-100.
998.	998.	-4.	3.	0.
1000.	1000.	-4.	3.	-100.
1200.	1200.	-4.	10.	-100.
1400.	1400.	-5.	15.	-100.
1600.	1600.	-8.	18.	-100.
1800.	1800.	-11.	19.	-100.
2000.	2000.	-16.	17.	-100.
2088.	2088.	-18.	16.	0.
2200.	2200.	-26.	15.	-100.
2400.	2400.	-38.	12.	-100.
2600.	2599.	-48.	4.	-100.
2670.	2669.	-51.	1.	-10.
2692.	2691.	-52.	0.	-1.
2800.	2798.	-56.	-7.	-100.
3000.	2997.	-62.	-21.	-100.
3005.	3002.	-62.	-21.	-1.
3087.	3084.	-64.	-28.	0.
3200.	3207.	-64.	-43.	-100.
3285.	3297.	-64.	-54.	20.
3400.	3415.	-63.	-69.	-100.
3600.	3612.	-63.	-93.	-100.
3677.	3685.	-63.	-102.	100.
3800.	3799.	-63.	-116.	-100.
3804.	3803.	-63.	-117.	23.
3879.	3870.	-63.	-125.	0.
3888.	3878.	-63.	-126.	0.
4000.	3989.	-62.	-141.	-100.
4131.	4119.	-61.	-161.	0.
4200.	4187.	-60.	-172.	-100.
4400.	4383.	-57.	-208.	-100.
4522.	4502.	-55.	-235.	0.
4600.	4576.	-55.	-258.	-100.
4800.	4767.	-53.	-317.	-100.
5000.	4959.	-49.	-376.	-100.
5081.	5036.	-47.	-400.	0.
5200.	5150.	-42.	-436.	-100.
5359.	5302.	-35.	-481.	0.
5399.	5340.	-32.	-492.	3.
5400.	5341.	-32.	-492.	-100.
5411.	5352.	-32.	-495.	3.
5600.	5534.	-19.	-545.	-100.
5616.	5549.	-18.	-549.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
12.25	2670.	5616.

1862-8 OH

WELL: 8 OH  
LOCATION: 1786041E 409625N  
SURFACE ELEVATION: 3778.  
CASING SHOE: 4930.  
FLOWRATE (KLBS/HR): 97.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	2.	-100.
400.	400.	2.	3.	-100.
600.	600.	1.	2.	-100.
800.	800.	0.	-1.	-100.
1000.	1000.	-2.	-4.	-100.
1027.	1027.	-2.	-5.	0.
1200.	1200.	-3.	-11.	-100.
1400.	1400.	-5.	-19.	-100.
1600.	1600.	-9.	-28.	-100.
1800.	1800.	-15.	-37.	-100.
2000.	1999.	-22.	-46.	-100.
2082.	2081.	-26.	-51.	0.
2200.	2199.	-34.	-57.	-100.
2400.	2398.	-47.	-67.	-100.
2600.	2597.	-60.	-79.	-100.
2800.	2796.	-74.	-91.	-100.
3000.	2995.	-87.	-104.	-100.
3007.	3002.	-87.	-104.	0.
3200.	3196.	-90.	-112.	-100.
3400.	3396.	-98.	-123.	-100.
3600.	3595.	-111.	-137.	-100.
3800.	3793.	-129.	-155.	-100.
4000.	3990.	-153.	-176.	-100.
4002.	3992.	-153.	-176.	0.
4200.	4187.	-188.	-193.	-100.
4400.	4381.	-223.	-219.	-100.
4600.	4574.	-260.	-254.	-100.
4678.	4649.	-274.	-270.	0.
4800.	4765.	-296.	-300.	-100.
4930.	4888.	-321.	-334.	-10.
5000.	4954.	-334.	-353.	-100.
5026.	4979.	-339.	-360.	0.
5200.	5141.	-376.	-412.	-100.
5400.	5326.	-420.	-472.	-100.
5600.	5511.	-463.	-535.	-100.
5633.	5541.	-470.	-545.	23.
5656.	5563.	-475.	-553.	22.
5800.	5695.	-507.	-599.	-100.
6000.	5878.	-551.	-665.	-100.
6052.	5926.	-563.	-682.	0.
6070.	5942.	-567.	-688.	45.
6200.	6060.	-599.	-733.	-100.
6400.	6241.	-646.	-803.	-100.
6600.	6423.	-692.	-874.	-100.

WELL: 8 OH

(continued)

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
6635.	6454.	-700.	-887.	10.
6800.	6604.	-736.	-946.	-100.
7000.	6785.	-779.	-1019.	-100.
7016.	6800.	-782.	-1025.	0.
7200.	6967.	-820.	-1093.	-100.
7285.	7044.	-836.	-1125.	1.
7400.	7148.	-859.	-1168.	-100.
7600.	7329.	-896.	-1243.	-100.
7800.	7510.	-932.	-1320.	-100.
7965.	7660.	-961.	-1384.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL *****	
	TOP	BOTTOM
8.75	4930.	7835.
8.50	7835.	7965.

WELL: 8 FK  
 LOCATION: 1786041E 409625N  
 SURFACE ELEVATION: 3778.  
 CASING SHOE: 4930.  
 FLOWRATE (KLBS/HR): 88.

COMMENTS: SET OPEN HOLE PACKER @ 5050' W/3 CMT PLUGS INCL LAP  
 SQUEEZE. LOST CIRC FROM PLUGS TO 5220. NO INC. IN FLOW W/OH  
 UNPLUGGED. START 11/8/91 TD 11/29/91

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	2.	-100.
400.	400.	2.	3.	-100.
600.	600.	1.	2.	-100.
800.	800.	0.	-1.	-100.
1000.	1000.	-2.	-4.	-100.
1027.	1027.	-2.	-5.	0.
1200.	1200.	-3.	-11.	-100.
1400.	1400.	-5.	-19.	-100.
1600.	1600.	-9.	-28.	-100.
1800.	1800.	-15.	-37.	-100.
2000.	1999.	-22.	-46.	-100.
2082.	2081.	-26.	-51.	0.
2200.	2199.	-34.	-57.	-100.
2400.	2398.	-47.	-67.	-100.
2600.	2597.	-60.	-79.	-100.
2800.	2796.	-74.	-91.	-100.
3000.	2995.	-87.	-104.	-100.
3007.	3002.	-87.	-104.	0.
3200.	3196.	-90.	-112.	-100.
3400.	3396.	-98.	-123.	-100.
3600.	3595.	-111.	-137.	-100.
3800.	3793.	-129.	-155.	-100.
4000.	3990.	-153.	-176.	-100.
4002.	3992.	-153.	-176.	0.
4200.	4187.	-187.	-192.	-100.
4400.	4382.	-223.	-218.	-100.
4600.	4574.	-259.	-254.	-100.
4678.	4649.	-274.	-270.	0.
4800.	4764.	-299.	-300.	-100.
4904.	4863.	-317.	-326.	0.
4930.	4888.	-319.	-333.	-10.
5000.	4955.	-323.	-353.	-100.
5030.	4984.	-325.	-361.	-1.
5150.	5099.	-334.	-394.	-1.
5200.	5147.	-337.	-407.	-100.
5400.	5339.	-351.	-460.	-100.
5433.	5371.	-353.	-469.	0.
5600.	5533.	-363.	-508.	-100.
5800.	5726.	-377.	-557.	-100.
5867.	5791.	-382.	-574.	7.
5951.	5872.	-389.	-596.	3.

WELL: 8 FK

(continued)

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
6000.	5919.	-393.	-609.	-100.
6047.	5964.	-397.	-621.	0.
6098.	6013.	-402.	-636.	10.
6200.	6110.	-412.	-665.	-100.
6400.	6300.	-434.	-722.	-100.
6434.	6333.	-438.	-732.	8.
6468.	6365.	-442.	-742.	7.
6600.	6490.	-457.	-780.	-100.
6709.	6594.	-470.	-811.	0.
6800.	6681.	-482.	-837.	-100.
7000.	6871.	-508.	-894.	-100.
7200.	7060.	-535.	-951.	-100.
7400.	7250.	-564.	-1009.	-100.
7429.	7277.	-568.	-1017.	0.
7600.	7440.	-596.	-1063.	-100.
7800.	7629.	-627.	-1120.	-100.
8000.	7817.	-658.	-1181.	-100.
8175.	7980.	-683.	-1237.	0.
8200.	8003.	-687.	-1245.	-100.
8400.	8189.	-714.	-1314.	-100.
8600.	8373.	-741.	-1386.	-100.
8800.	8557.	-766.	-1462.	-100.
8979.	8720.	-787.	-1533.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL *****	
	TOP	BOTTOM
8.75	4930.	7835.
8.50	7835.	7965.

WELL: 9  
 LOCATION: 1782419E 407479N  
 SURFACE ELEVATION: 2649.  
 CASING SHOE: 2661.  
 FLOWRATE (KLBS/HR): 158.

COMMENTS: TOP OF FELSITE AT 5420'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	3.	-2.	-100.
400.	400.	5.	-3.	-100.
600.	600.	7.	-4.	-100.
800.	800.	8.	-5.	-100.
1000.	1000.	9.	-5.	-100.
1004.	1004.	10.	-6.	0.
1200.	1201.	3.	3.	-100.
1400.	1401.	0.	8.	-100.
1600.	1601.	-1.	8.	-100.
1800.	1801.	2.	4.	-100.
2000.	2000.	8.	-4.	-100.
2002.	2002.	8.	-4.	0.
2200.	2199.	21.	-21.	-100.
2400.	2397.	35.	-40.	-100.
2600.	2595.	51.	-61.	-100.
2661.	2655.	56.	-68.	-10.
2800.	2793.	67.	-84.	-100.
3000.	2990.	85.	-108.	-100.
3017.	3007.	87.	-110.	0.
3198.	3185.	105.	-134.	2.
3200.	3187.	105.	-135.	-100.
3400.	3384.	126.	-163.	-100.
3600.	3581.	148.	-192.	-100.
3800.	3777.	170.	-223.	-100.
3871.	3847.	178.	-234.	8.
4000.	3974.	193.	-255.	-100.
4074.	4046.	202.	-267.	0.
4200.	4170.	216.	-288.	-100.
4220.	4189.	219.	-291.	8.
4247.	4216.	222.	-295.	4.
4280.	4248.	226.	-301.	5.
4400.	4366.	240.	-321.	-100.
4570.	4532.	261.	-351.	5.
4600.	4561.	265.	-357.	-100.
4611.	4572.	266.	-359.	3.
4800.	4756.	291.	-394.	-100.
4854.	4808.	298.	-404.	18.
5000.	4950.	318.	-433.	-100.
5007.	4957.	319.	-434.	0.
5200.	5144.	346.	-473.	-100.
5263.	5205.	356.	-486.	5.
5400.	5337.	376.	-515.	-100.
5600.	5530.	407.	-558.	-100.
5800.	5722.	439.	-604.	-100.
5969.	5884.	467.	-643.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP *****	***** BOTTOM *****
12.25		2661.	4985.
10.63		4985.	5969.

WELL: 10  
 LOCATION: 1786041E 409625N  
 SURFACE ELEVATION: 3778.  
 CASING SHOE: 5131.  
 FLOWRATE (KLBS/HR): 266.

COMMENTS: 7" LINER TO 5560'.  
 WELL "UNUSUALLY DIRTY".

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	-4.	-100.
400.	400.	-1.	-9.	-100.
600.	600.	-2.	-16.	-100.
800.	800.	-2.	-23.	-100.
1000.	999.	-3.	-31.	0.
1200.	1200.	1.	-48.	-100.
1400.	1400.	3.	-62.	-100.
1600.	1600.	2.	-73.	-100.
1800.	1799.	0.	-81.	-100.
2000.	1998.	-5.	-86.	-100.
2024.	2022.	-5.	-86.	0.
2200.	2194.	-14.	-82.	-100.
2400.	2391.	-24.	-78.	-100.
2600.	2588.	-35.	-72.	-100.
2800.	2786.	-47.	-65.	-100.
3000.	2985.	-59.	-58.	-100.
3069.	3054.	-63.	-55.	0.
3200.	3188.	-65.	-54.	-100.
3400.	3392.	-72.	-49.	-100.
3600.	3593.	-85.	-40.	-100.
3800.	3794.	-102.	-27.	-100.
4000.	3992.	-124.	-10.	-100.
4065.	4056.	-132.	-3.	0.
4200.	4187.	-151.	25.	-100.
4400.	4381.	-184.	63.	-100.
4600.	4575.	-221.	96.	-100.
4800.	4767.	-263.	124.	-100.
5000.	4959.	-310.	147.	-100.
5058.	5014.	-325.	153.	0.
5131.	5086.	-343.	157.	-10.
5200.	5154.	-361.	160.	-100.
5285.	5236.	-384.	165.	13.
5353.	5302.	-403.	168.	12.
5400.	5347.	-417.	170.	-100.
5600.	5537.	-479.	177.	-100.
5800.	5724.	-547.	183.	-100.
6000.	5907.	-623.	188.	-100.
6088.	5987.	-658.	189.	0.
6200.	6086.	-712.	196.	-100.
6400.	6261.	-810.	204.	-100.
6600.	6434.	-908.	205.	-100.
6800.	6607.	-1009.	200.	-100.
7000.	6777.	-1111.	187.	-100.
7028.	6801.	-1125.	185.	0.
7035.	6807.	-1129.	184.	10.
7043.	6814.	-1133.	184.	255.
7200.	6946.	-1214.	168.	-100.
7400.	7114.	-1319.	142.	-100.
7423.	7134.	-1331.	139.	10.
7600.	7281.	-1425.	109.	-100.
7686.	7352.	-1471.	93.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
8.75	5136.	7526.
8.50	7526.	7686.

WELL: 11A  
 LOCATION: 1782472E 407448N  
 SURFACE ELEVATION: 2649.  
 CASING SHOE: 2653.  
 FLOWRATE (KLBS/HR): 97.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	1.	-100.
400.	401.	1.	0.	-100.
600.	601.	0.	-3.	-100.
800.	801.	-3.	-7.	-100.
1000.	1000.	-8.	-14.	-100.
1072.	1072.	-10.	-17.	0.
1200.	1200.	-12.	-23.	-100.
1400.	1400.	-17.	-34.	-100.
1600.	1599.	-25.	-46.	-100.
1800.	1798.	-36.	-60.	-100.
2000.	1996.	-49.	-74.	-100.
2067.	2062.	-54.	-80.	0.
2200.	2191.	-69.	-93.	-100.
2400.	2386.	-91.	-112.	-100.
2600.	2581.	-113.	-131.	-100.
2653.	2633.	-119.	-136.	-10.
2800.	2778.	-135.	-150.	-100.
3000.	2975.	-157.	-169.	-100.
3073.	3047.	-165.	-176.	0.
3200.	3174.	-184.	-189.	-100.
3400.	3374.	-210.	-209.	-100.
3600.	3574.	-233.	-229.	-100.
3751.	3725.	-248.	-243.	5.
3800.	3773.	-252.	-247.	-100.
4000.	3973.	-268.	-265.	-100.
4065.	4038.	-272.	-271.	0.
4200.	4173.	-276.	-277.	-100.
4400.	4373.	-281.	-289.	-100.
4600.	4572.	-286.	-304.	-100.
4606.	4578.	-286.	-305.	3.
4800.	4772.	-289.	-322.	-100.
5000.	4970.	-293.	-343.	-100.
5036.	5006.	-293.	-347.	0.
5200.	5169.	-294.	-366.	-100.
5350.	5318.	-295.	-386.	14.
5400.	5367.	-295.	-393.	-100.
5406.	5373.	-295.	-394.	9.
5600.	5565.	-296.	-423.	-100.
5800.	5762.	-297.	-456.	-100.
6000.	5958.	-297.	-493.	-100.
6099.	6055.	-297.	-513.	0.
6200.	6154.	-297.	-534.	-100.
6364.	6314.	-297.	-570.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	*****
	TOP	BOTTOM
12.25	2654.	6182.
10.63	6182.	6364.

WELL: 12  
 LOCATION: 1785374E 408164N  
 SURFACE ELEVATION: 3392.  
 CASING SHOE: 4035.  
 FLOWRATE (KLBS/HR): 175.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
158.	158.	0.	-1.	0.
200.	200.	0.	-2.	-100.
340.	340.	1.	-5.	0.
400.	400.	1.	-6.	-100.
464.	464.	2.	-7.	0.
587.	587.	4.	-10.	0.
600.	600.	5.	-10.	-100.
710.	710.	8.	-12.	0.
800.	800.	11.	-13.	-100.
833.	833.	12.	-13.	0.
958.	958.	14.	-15.	0.
1000.	1000.	15.	-16.	-100.
1082.	1082.	16.	-17.	0.
1200.	1200.	17.	-19.	-100.
1205.	1205.	18.	-19.	0.
1330.	1330.	18.	-21.	0.
1400.	1400.	17.	-22.	-100.
1454.	1454.	16.	-23.	0.
1580.	1580.	13.	-24.	0.
1600.	1600.	13.	-24.	-100.
1702.	1701.	10.	-27.	0.
1800.	1799.	6.	-29.	-100.
1827.	1826.	5.	-30.	0.
1952.	1951.	1.	-33.	0.
2000.	1999.	-1.	-34.	-100.
2074.	2073.	-5.	-36.	0.
2197.	2196.	-10.	-39.	0.
2200.	2199.	-10.	-39.	-100.
2321.	2320.	-15.	-42.	0.
2400.	2399.	-19.	-44.	-100.
2403.	2402.	-19.	-45.	0.
2469.	2468.	-21.	-47.	0.
2515.	2514.	-22.	-48.	0.
2561.	2560.	-21.	-49.	0.
2600.	2599.	-19.	-49.	-100.
2623.	2622.	-18.	-49.	0.
2683.	2681.	-16.	-49.	0.
2790.	2788.	-13.	-49.	0.
2800.	2798.	-12.	-49.	-100.
2887.	2885.	-9.	-46.	0.
3000.	2998.	-7.	-36.	-100.
3017.	3015.	-8.	-35.	0.
3200.	3197.	-16.	-15.	-100.
3262.	3258.	-20.	-8.	0.
3400.	3395.	-32.	9.	-100.
3448.	3442.	-37.	14.	0.
3600.	3591.	-56.	33.	-100.
3625.	3616.	-59.	36.	0.
3800.	3789.	-76.	55.	-100.
3816.	3805.	-77.	58.	0.
4000.	3989.	-84.	87.	-100.
4012.	3998.	-85.	89.	0.
4035.	4021.	-86.	92.	-10. <sup>CSG</sup>
4108.	4093.	-91.	103.	-1. <sup>KCZ</sup>
4200.	4184.	-97.	117.	-100.
4400.	4381.	-112.	149.	-100.
4534.	4512.	-124.	173.	0.
4600.	4577.	-130.	185.	-100.
4800.	4772.	-149.	225.	-100.
5000.	4966.	-172.	266.	-100.
5017.	4983.	-174.	270.	5. <sup>SE</sup>
5035.	5000.	-176.	274.	0.
5200.	5160.	-196.	309.	-100.
5400.	5352.	-227.	357.	-100.
5468.	5416.	-239.	374.	5. <sup>SE</sup>
5501.	5447.	-245.	383.	0.
5600.	5541.	-265.	409.	-100.
5800.	5727.	-311.	468.	-100.
5836.	5760.	-319.	480.	20. <sup>} SE</sup>
5849.	5772.	-323.	484.	25. <sup>} SE</sup>

WELL: 12 (CONTINUED DATA)  
 LOCATION: 1785374E 408164N  
 SURFACE ELEVATION: 3392.  
 CASING SHOE: 4035.  
 FLOWRATE (KLBS/HR): 175.

COMMENTS:

5860.	5782.	-326.	487.	75.
6000.	5907.	-363.	534.	-100.
6030.	5934.	-371.	545.	0.
6200.	6081.	-424.	612.	-100.
6400.	6251.	-489.	694.	-100.
6462.	6304.	-510.	719.	1.
6529.	6360.	-533.	747.	0.
6600.	6419.	-560.	777.	-100.
6800.	6583.	-635.	862.	-100.
6819.	6599.	-642.	870.	5.
6839.	6615.	-650.	879.	5.
7000.	6747.	-709.	949.	-100.
7067.	6802.	-734.	979.	0.
7200.	6911.	-782.	1038.	-100.
7315.	7004.	-824.	1090.	20.
7400.	7074.	-854.	1129.	-100.
7467.	7128.	-878.	1160.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
8.75	4040.		7409.
8.50	7409.		7467.

WELL: 13 OH  
 LOCATION: 1782492E 407436N  
 SURFACE ELEVATION: 2649.  
 CASING SHOE: 2611.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: FISH LEFT IN HOLE. TOP AT 3790. PBTB 2875.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	0.	-100.
400.	400.	-2.	-2.	-100.
600.	600.	-3.	-3.	-100.
800.	800.	-4.	-6.	-100.
1000.	1000.	-5.	-9.	-100.
1076.	1076.	-6.	-11.	0.
1200.	1200.	-9.	-17.	-100.
1400.	1400.	-9.	-22.	-100.
1515.	1515.	-7.	-21.	0.
1600.	1600.	-3.	-15.	-100.
1800.	1798.	9.	-1.	-100.
2000.	1997.	21.	14.	-100.
2038.	2035.	24.	17.	0.
2200.	2196.	34.	33.	-100.
2400.	2395.	49.	50.	-100.
2505.	2499.	57.	59.	0.
2600.	2593.	64.	67.	-100.
2611.	2604.	65.	67.	-10.
2800.	2792.	81.	81.	-100.
3000.	2990.	102.	93.	-100.
3002.	2992.	102.	94.	0.
3200.	3189.	127.	103.	-100.
3400.	3387.	154.	111.	-100.
3476.	3462.	165.	113.	0.
3600.	3585.	183.	116.	-100.
3800.	3782.	215.	120.	-100.
3818.	3800.	218.	120.	0.
3828.	3810.	220.	120.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
12.25	2629.	3828.

WELL: 13  
 LOCATION: 1782492E 407436N  
 SURFACE ELEVATION: 2649.  
 CASING SHOE: 2611.  
 FLOWRATE (KLBS/HR): 130.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	0.	-100.
400.	400.	-2.	-2.	-100.
600.	600.	-3.	-3.	-100.
800.	800.	-4.	-6.	-100.
1000.	1000.	-5.	-9.	-100.
1076.	1076.	-6.	-11.	0.
1200.	1200.	-9.	-17.	-100.
1400.	1400.	-9.	-22.	-100.
1515.	1515.	-7.	-21.	0.
1600.	1600.	-3.	-15.	-100.
1800.	1798.	9.	-1.	-100.
2000.	1997.	21.	14.	-100.
2038.	2035.	24.	17.	0.
2200.	2196.	35.	32.	-100.
2400.	2394.	49.	50.	-100.
2505.	2499.	57.	59.	0.
2600.	2595.	63.	65.	-100.
2611.	2606.	64.	66.	-10.
2756.	2750.	76.	80.	0.
2800.	2793.	81.	85.	-100.
3000.	2989.	106.	112.	-100.
3058.	3046.	114.	120.	0.
3200.	3185.	135.	140.	-100.
3400.	3381.	167.	169.	-100.
3600.	3576.	201.	198.	-100.
3800.	3770.	238.	228.	-100.
4000.	3964.	277.	257.	-100.
4059.	4021.	289.	266.	0.
4200.	4157.	317.	289.	-100.
4400.	4350.	360.	321.	-100.
4600.	4542.	406.	352.	-100.
4800.	4733.	456.	381.	-100.
4997.	4921.	508.	409.	0.
5000.	4924.	509.	409.	-100.
5065.	4986.	527.	418.	11.
5067.	4988.	527.	419.	11.
5069.	4989.	528.	419.	12.
5200.	5114.	565.	436.	-100.
5294.	5203.	593.	449.	9.
5297.	5206.	594.	449.	8.
5355.	5260.	611.	456.	16.
5400.	5303.	625.	462.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	*****
	TOP	BOTTOM
12.25	2611.	5400.

WELL: 14  
 LOCATION: 1784729E 410413N  
 SURFACE ELEVATION: 3679.  
 CASING SHOE: 5471.  
 FLOWRATE (KLBS/HR): 183.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-7.	-5.	-100.
400.	399.	-14.	-10.	-100.
600.	599.	-21.	-14.	-100.
800.	799.	-28.	-18.	-100.
1000.	999.	-34.	-22.	-100.
1200.	1198.	-40.	-26.	-100.
1295.	1293.	-43.	-28.	0.
1400.	1398.	-47.	-29.	-100.
1600.	1597.	-53.	-32.	-100.
1800.	1796.	-58.	-35.	-100.
2000.	1996.	-63.	-39.	-100.
2010.	2006.	-63.	-39.	0.
2200.	2196.	-65.	-41.	-100.
2400.	2396.	-68.	-44.	-100.
2600.	2596.	-70.	-47.	-100.
2800.	2796.	-72.	-51.	-100.
3000.	2996.	-75.	-55.	-100.
3179.	3175.	-77.	-59.	0.
3200.	3196.	-77.	-61.	-100.
3400.	3396.	-78.	-77.	-100.
3600.	3596.	-80.	-87.	-100.
3800.	3795.	-83.	-92.	-100.
4000.	3995.	-86.	-91.	-100.
4157.	4151.	-90.	-86.	0.
4200.	4194.	-90.	-82.	-100.
4400.	4393.	-92.	-61.	-100.
4600.	4592.	-98.	-40.	-100.
4800.	4790.	-106.	-17.	-100.
5000.	4988.	-117.	7.	-100.
5050.	5037.	-121.	13.	0.
5200.	5185.	-135.	30.	-100.
5400.	5382.	-155.	55.	-100.
5471.	5452.	-162.	65.	-10.
5600.	5579.	-176.	83.	-100.
5616.	5594.	-177.	85.	35.
5800.	5775.	-198.	113.	-100.
6000.	5971.	-221.	144.	-100.
6082.	6051.	-231.	158.	0.
6200.	6167.	-245.	179.	-100.
6400.	6363.	-269.	215.	-100.
6474.	6435.	-279.	229.	5.
6600.	6558.	-296.	254.	-100.
6725.	6679.	-313.	279.	10.
6732.	6686.	-314.	280.	20.
6787.	6739.	-322.	291.	31.
6800.	6752.	-324.	294.	-100.
6830.	6781.	-329.	300.	10.
7000.	6945.	-355.	337.	-100.
7051.	6994.	-363.	348.	0.
7140.	7080.	-377.	368.	15.
7200.	7137.	-387.	382.	-100.
7336.	7267.	-411.	413.	43.
7343.	7274.	-412.	415.	29.
7352.	7283.	-413.	417.	62.
7400.	7328.	-422.	428.	-100.
7600.	7519.	-458.	477.	-100.
7713.	7626.	-480.	506.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL TOP	***** BOTTOM
8.75	5533.	7176.
8.50	7176.	7713.

WELL: 15  
 LOCATION: 1785404E 408141N  
 SURFACE ELEVATION: 3388.  
 CASING SHOE: 3965.  
 FLOWRATE (KLBS/HR): 113.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
117.	117.	-1.	-1.	0.
200.	200.	-1.	-2.	-100.
211.	211.	-1.	-2.	0.
319.	319.	0.	-2.	0.
364.	364.	1.	-2.	0.
400.	400.	1.	-2.	-100.
452.	452.	2.	-2.	0.
573.	573.	5.	-3.	0.
600.	600.	6.	-2.	-100.
667.	667.	7.	-2.	0.
792.	792.	10.	-2.	0.
800.	800.	10.	-2.	-100.
916.	916.	12.	-1.	0.
1000.	1000.	13.	0.	-100.
1040.	1040.	14.	0.	0.
1195.	1195.	16.	2.	0.
1200.	1200.	16.	2.	-100.
1351.	1351.	17.	3.	0.
1400.	1400.	18.	3.	-100.
1506.	1506.	17.	4.	0.
1600.	1600.	16.	5.	-100.
1630.	1630.	15.	5.	0.
1800.	1800.	11.	6.	-100.
1815.	1815.	11.	6.	0.
1970.	1970.	7.	7.	0.
2000.	2000.	6.	7.	-100.
2126.	2126.	2.	6.	0.
2200.	2199.	0.	4.	-100.
2282.	2281.	-3.	3.	0.
2400.	2399.	-9.	-1.	-100.
2428.	2427.	-10.	-2.	0.
2522.	2521.	-15.	-6.	0.
2600.	2599.	-19.	-9.	-100.
2615.	2614.	-19.	-9.	0.
2708.	2707.	-21.	-13.	0.
2800.	2798.	-30.	-17.	-100.
2802.	2800.	-30.	-17.	0.
2896.	2894.	-36.	-20.	0.
2990.	2988.	-41.	-24.	0.
3000.	2998.	-42.	-25.	-100.
3019.	3017.	-43.	-26.	0.
3050.	3048.	-45.	-26.	0.
3112.	3110.	-50.	-26.	0.
3200.	3197.	-57.	-24.	-100.
3207.	3204.	-57.	-24.	0.
3363.	3360.	-71.	-21.	0.
3400.	3396.	-75.	-21.	-100.
3425.	3421.	-78.	-21.	0.
3487.	3483.	-84.	-20.	0.
3580.	3575.	-94.	-20.	0.
3600.	3595.	-97.	-19.	-100.
3670.	3665.	-104.	-17.	0.
3737.	3731.	-111.	-13.	0.
3800.	3794.	-118.	-10.	-100.
3801.	3795.	-118.	-10.	0.
3896.	3889.	-129.	-7.	0.
3958.	3951.	-136.	-4.	0.
3965.	3958.	-137.	-4.	-10.
4000.	3992.	-141.	-3.	-100.
4025.	4017.	-144.	-2.	0.
4036.	4028.	-145.	-2.	-1.
4200.	4191.	-167.	4.	-100.
4400.	4389.	-194.	11.	-100.
4580.	4567.	-221.	15.	0.
4600.	4587.	-224.	16.	-100.
4800.	4784.	-256.	19.	-100.
5000.	4981.	-290.	23.	-100.
5074.	5054.	-303.	24.	0.
5140.	5119.	-313.	25.	40.
5200.	5179.	-323.	27.	-100.

WELL: 15 (CONTINUED DATA)  
 LOCATION: 1785404E 408141N  
 SURFACE ELEVATION: 3388.  
 CASING SHOE: 3965.  
 FLOWRATE (KLBS/HR): 113.

COMMENTS:

5400.	5376.	-358.	30.	-100.
5600.	5572.	-397.	33.	-100.
5643.	5614.	-406.	34.	15.
5800.	5767.	-441.	35.	-100.
6000.	5961.	-489.	37.	-100.
6023.	5983.	-495.	37.	0.
6026.	5986.	-496.	37.	45.
6200.	6154.	-542.	39.	-100.
6400.	6345.	-599.	38.	-100.
6477.	6418.	-622.	37.	35.
6479.	6420.	-623.	37.	0.
6600.	6535.	-661.	34.	-100.
6800.	6724.	-728.	28.	-100.
7000.	6910.	-801.	20.	-100.
7034.	6941.	-814.	18.	0.
7200.	7093.	-880.	10.	-100.
7400.	7273.	-965.	-1.	-100.
7600.	7451.	-1056.	-13.	-100.
7651.	7496.	-1080.	-16.	0.
7670.	7513.	-1088.	-17.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
12.25	3965.	3980.
8.75	3980.	7670.

WELL: 15RD1  
 LOCATION: 1785404E 408141N  
 SURFACE ELEVATION: 3388.  
 CASING SHOE: 0.  
 FLOWRATE (KLBS/HR): 32.

COMMENTS: DRLD WNDW 3636-3670 PART-TOTAL LOST CIRC TO 3870' @TD  
 DROPPED FISHING TOOLS. FISH @3640 PLG BCK TO 3438, MILL WNDW FOR 2D  
 FORK FELSITE @6950

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
117.	117.	-1.	-1.	0.
200.	200.	-1.	-2.	-100.
211.	211.	-1.	-2.	0.
319.	319.	0.	-2.	0.
364.	364.	1.	-2.	0.
400.	400.	1.	-2.	-100.
452.	452.	2.	-2.	0.
573.	573.	5.	-3.	0.
600.	600.	6.	-2.	-100.
667.	667.	7.	-2.	0.
792.	792.	10.	-2.	0.
800.	800.	10.	-2.	-100.
916.	916.	12.	-1.	0.
1000.	1000.	13.	0.	-100.
1040.	1040.	14.	0.	0.
1195.	1195.	16.	2.	0.
1200.	1200.	16.	2.	-100.
1351.	1351.	17.	3.	0.
1400.	1400.	18.	3.	-100.
1506.	1506.	17.	4.	0.
1600.	1600.	16.	5.	-100.
1630.	1630.	15.	5.	0.
1800.	1800.	11.	6.	-100.
1815.	1815.	11.	6.	0.
1970.	1970.	7.	7.	0.
2000.	2000.	6.	7.	-100.
2126.	2126.	2.	6.	0.
2200.	2199.	0.	4.	-100.
2282.	2281.	-3.	3.	0.
2400.	2399.	-9.	-1.	-100.
2428.	2427.	-10.	-2.	0.
2522.	2521.	-15.	-6.	0.
2600.	2599.	-19.	-9.	-100.
2615.	2614.	-19.	-9.	0.
2708.	2707.	-21.	-13.	0.
2800.	2798.	-30.	-17.	-100.
2802.	2800.	-30.	-17.	0.
2896.	2894.	-36.	-20.	0.
2990.	2988.	-41.	-24.	0.
3000.	2998.	-42.	-25.	-100.
3019.	3017.	-43.	-26.	0.

WELL: 15RD1

(continued)

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
3050.	3048.	-45.	-26.	0.
3112.	3110.	-50.	-26.	0.
3200.	3197.	-57.	-24.	-100.
3207.	3204.	-57.	-24.	0.
3363.	3360.	-71.	-21.	0.
3400.	3396.	-75.	-21.	-100.
3425.	3421.	-78.	-21.	0.
3487.	3483.	-84.	-20.	0.
3580.	3575.	-94.	-20.	0.
3590.	3585.	-95.	-30.	0.
3600.	3595.	-96.	-30.	-100.
3766.	3759.	-121.	-26.	0.
3800.	3792.	-129.	-30.	-100.
4000.	3984.	-179.	-53.	-100.
4200.	4176.	-230.	-78.	-100.
4333.	4303.	-265.	-95.	0.
4400.	4366.	-284.	-105.	-100.
4600.	4556.	-341.	-134.	-100.
4633.	4587.	-350.	-139.	3.
4689.	4640.	-366.	-147.	5.
4800.	4746.	-396.	-164.	-100.
4813.	4758.	-399.	-166.	0.
4896.	4837.	-421.	-180.	18.
5000.	4936.	-448.	-197.	-100.
5200.	5127.	-498.	-231.	-100.
5400.	5318.	-546.	-264.	-100.
5523.	5436.	-575.	-285.	0.
5600.	5510.	-590.	-297.	-100.
5699.	5606.	-611.	-313.	1.
5800.	5703.	-632.	-330.	-100.
6000.	5896.	-674.	-364.	-100.
6095.	5987.	-695.	-381.	1.
6200.	6087.	-719.	-400.	-100.
6206.	6093.	-720.	-401.	0.
6400.	6278.	-766.	-437.	-100.
6440.	6316.	-776.	-444.	1.
6600.	6469.	-814.	-475.	-100.
6800.	6659.	-862.	-514.	-100.
6918.	6771.	-890.	-538.	0.
7000.	6849.	-910.	-555.	-100.
7200.	7039.	-957.	-596.	-100.
7400.	7228.	-1005.	-639.	-100.
7600.	7417.	-1052.	-683.	-100.
7645.	7460.	-1063.	-693.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL *****	
	TOP	BOTTOM
8.50	671.	645.

WELL: 15RD2  
 LOCATION: 1785404E 408141N  
 SURFACE ELEVATION: 3388.  
 CASING SHOE: 500.  
 FLOWRATE (KLBS/HR): 32.

COMMENTS: MILL WINDOW 3296-3332. TIGHT SPOT IN CASING @2990.  
 FELSITE @6890

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
117.	117.	-1.	-1.	0.
200.	200.	-1.	-2.	-100.
211.	211.	-1.	-2.	0.
319.	319.	0.	-2.	0.
364.	364.	1.	-2.	0.
400.	400.	1.	-2.	-100.
452.	452.	2.	-2.	0.
500.	500.	3.	-3.	-10.
573.	573.	5.	-3.	0.
600.	600.	6.	-2.	-100.
667.	667.	7.	-2.	0.
792.	792.	10.	-2.	0.
800.	800.	10.	-2.	-100.
916.	916.	12.	-1.	0.
1000.	1000.	13.	0.	-100.
1040.	1040.	14.	0.	0.
1195.	1195.	16.	2.	0.
1200.	1200.	16.	2.	-100.
1351.	1351.	17.	3.	0.
1400.	1400.	18.	3.	-100.
1506.	1506.	17.	4.	0.
1600.	1600.	16.	5.	-100.
1630.	1630.	15.	5.	0.
1800.	1800.	11.	6.	-100.
1815.	1815.	11.	6.	0.
1970.	1970.	7.	7.	0.
2000.	2000.	6.	7.	-100.
2126.	2126.	2.	6.	0.
2200.	2199.	0.	4.	-100.
2282.	2281.	-3.	3.	0.
2400.	2399.	-9.	-1.	-100.
2428.	2427.	-10.	-2.	0.
2522.	2521.	-15.	-6.	0.
2600.	2599.	-19.	-9.	-100.
2615.	2614.	-19.	-9.	0.
2708.	2707.	-21.	-13.	0.
2800.	2798.	-30.	-17.	-100.
2802.	2800.	-30.	-17.	0.
2896.	2894.	-36.	-20.	0.
2990.	2988.	-41.	-24.	0.
3000.	2998.	-42.	-25.	-100.
3019.	3017.	-43.	-26.	0.

WELL: 15RD2

(continued)

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
3050.	3048.	-45.	-26.	0.
3112.	3110.	-50.	-26.	0.
3200.	3197.	-57.	-23.	-100.
3207.	3204.	-57.	-24.	0.
3296.	3293.	-64.	-31.	0.
3400.	3395.	-82.	-37.	-100.
3524.	3516.	-106.	-48.	0.
3600.	3588.	-125.	-62.	-100.
3678.	3662.	-146.	-76.	4.
3686.	3670.	-148.	-78.	6.
3704.	3687.	-152.	-81.	41.
3800.	3778.	-178.	-100.	-100.
4000.	3966.	-232.	-139.	-100.
4058.	4021.	-248.	-150.	0.
4200.	4154.	-290.	-177.	-100.
4400.	4341.	-348.	-218.	-100.
4565.	4495.	-395.	-253.	0.
4600.	4528.	-405.	-261.	-100.
4629.	4555.	-413.	-267.	10.
4755.	4672.	-447.	-295.	5.
4800.	4714.	-460.	-306.	-100.
5000.	4901.	-513.	-355.	-100.
5178.	5066.	-558.	-401.	0.
5200.	5087.	-562.	-407.	-100.
5400.	5275.	-602.	-465.	-100.
5453.	5325.	-614.	-481.	2.
5600.	5461.	-647.	-525.	-100.
5800.	5645.	-695.	-588.	-100.
5965.	5794.	-738.	-641.	4.
6000.	5825.	-747.	-653.	-100.
6024.	5847.	-754.	-661.	0.
6200.	6004.	-804.	-721.	-100.
6400.	6180.	-865.	-791.	-100.
6600.	6354.	-930.	-864.	-100.
6800.	6526.	-1000.	-939.	-100.
6969.	6669.	-1062.	-1005.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
8.50	333.	969.

WELL: 16  
 LOCATION: 1784693E 410393N  
 SURFACE ELEVATION: 3674.  
 CASING SHOE: 5399.  
 FLOWRATE (KLBS/HR): 170.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	3.	-100.
400.	400.	2.	4.	-100.
600.	600.	1.	3.	-100.
800.	800.	0.	1.	-100.
1000.	1000.	-2.	-4.	-100.
1074.	1074.	-2.	-6.	0.
1200.	1200.	-8.	-18.	-100.
1400.	1400.	-15.	-34.	-100.
1600.	1599.	-19.	-46.	-100.
1800.	1799.	-22.	-53.	-100.
2000.	1998.	-22.	-56.	-100.
2035.	2033.	-22.	-56.	0.
2200.	2198.	-21.	-48.	-100.
2400.	2397.	-17.	-37.	-100.
2600.	2597.	-11.	-26.	-100.
2800.	2796.	-3.	-14.	-100.
3000.	2995.	8.	-1.	-100.
3049.	3044.	10.	2.	0.
3200.	3194.	28.	10.	-100.
3400.	3392.	48.	23.	-100.
3600.	3591.	65.	38.	-100.
3800.	3789.	79.	55.	-100.
4000.	3988.	90.	74.	-100.
4019.	4007.	91.	76.	0.
4200.	4186.	93.	101.	-100.
4400.	4385.	95.	128.	-100.
4600.	4583.	97.	153.	-100.
4800.	4782.	98.	177.	-100.
5000.	4980.	100.	200.	-100.
5038.	5018.	100.	204.	0.
5200.	5180.	96.	221.	-100.
5399.	5378.	94.	240.	-10.
5400.	5379.	94.	240.	-100.
5600.	5578.	95.	259.	-100.
5800.	5777.	98.	277.	-100.
6000.	5976.	104.	294.	-100.
6014.	5990.	104.	295.	0.
6200.	6176.	108.	304.	-100.
6400.	6376.	116.	316.	-100.
6600.	6575.	129.	331.	-100.
6800.	6773.	147.	347.	-100.
6990.	6960.	168.	365.	115.
7000.	6970.	169.	366.	-100.
7015.	6985.	171.	367.	0.
7046.	7016.	175.	370.	85.
7200.	7167.	196.	386.	-100.
7400.	7362.	227.	409.	-100.
7600.	7557.	264.	434.	-100.
7800.	7752.	305.	462.	-100.
7852.	7802.	316.	469.	0.
7884.	7833.	322.	473.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM *****
12.25	5399.	5567.
8.75	5567.	7884.

WELL: 17  
 LOCATION: 1785362E 408180N  
 SURFACE ELEVATION: 3389.  
 CASING SHOE: 4347.  
 FLOWRATE (KLBS/HR): 57.

COMMENTS: 4846' -5602'400+'WATER IN HOLE AFTER TRIP, 6708' WATER INCR. TO 18 GPM WHIL  
 DRILLING. WATER DECR W/SUBSEQ STM ENTRY. CONVERTED TO INJECTOR 5-85.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	0.	1.	-100.
254.	254.	0.	2.	0.
341.	341.	0.	4.	0.
400.	400.	0.	6.	-100.
401.	401.	0.	6.	0.
462.	462.	1.	8.	0.
534.	534.	1.	9.	0.
600.	600.	2.	11.	-100.
625.	625.	3.	12.	0.
718.	718.	6.	14.	0.
800.	800.	10.	17.	-100.
812.	812.	10.	17.	0.
906.	905.	14.	20.	0.
1000.	999.	18.	23.	-100.
1031.	1030.	20.	24.	0.
1155.	1154.	26.	26.	0.
1200.	1199.	28.	26.	-100.
1249.	1248.	30.	27.	0.
1342.	1341.	35.	29.	0.
1400.	1399.	37.	30.	-100.
1440.	1439.	38.	30.	0.
1558.	1557.	42.	32.	0.
1600.	1599.	43.	32.	-100.
1653.	1652.	44.	32.	0.
1748.	1747.	45.	32.	0.
1800.	1799.	46.	33.	-100.
1841.	1840.	46.	33.	0.
1887.	1886.	47.	32.	0.
1967.	1966.	46.	30.	0.
2000.	1999.	46.	28.	-100.
2061.	2060.	44.	26.	0.
2155.	2153.	42.	21.	0.
2200.	2198.	41.	19.	-100.
2249.	2247.	40.	17.	0.
2343.	2341.	38.	12.	0.
2400.	2398.	36.	8.	-100.
2436.	2434.	35.	6.	0.
2530.	2528.	33.	1.	0.
2600.	2598.	31.	-2.	-100.
2624.	2622.	30.	-4.	0.
2717.	2714.	28.	-8.	0.
2800.	2797.	27.	-12.	-100.
2808.	2805.	27.	-12.	0.
2902.	2899.	25.	-15.	0.
2995.	2992.	23.	-19.	0.
3000.	2997.	23.	-19.	-100.
3088.	3085.	21.	-22.	0.
3183.	3180.	19.	-26.	0.
3200.	3197.	18.	-27.	-100.
3276.	3273.	16.	-31.	0.
3400.	3397.	12.	-39.	-100.
3401.	3398.	12.	-39.	-1.
3413.	3410.	11.	-40.	0.
3478.	3474.	9.	-44.	-1.
3506.	3502.	8.	-46.	0.
3599.	3595.	4.	-53.	0.
3600.	3596.	4.	-53.	-100.
3724.	3719.	-2.	-63.	0.
3800.	3795.	-5.	-69.	-100.
3818.	3813.	-6.	-71.	0.
3913.	3908.	-11.	-78.	0.
3974.	3968.	-13.	-82.	0.
4000.	3994.	-14.	-83.	-100.
4006.	4000.	-14.	-83.	0.
4037.	4031.	-14.	-84.	0.
4068.	4062.	-14.	-84.	0.
4099.	4093.	-13.	-84.	0.
4130.	4124.	-13.	-83.	0.
4194.	4188.	-11.	-78.	0.
4200.	4194.	-11.	-78.	-100.

WELL: 17 (CONTINUED DATA)  
 LOCATION: 1785362E 408180N  
 SURFACE ELEVATION: 3389.  
 CASING SHOE: 4347.  
 FLOWRATE (KLBS/HR): 57.

COMMENTS: 4846'-5602'+400+'WATER IN HOLE AFTER TRIP, 6708' WATER INCR. TO 18 GPM WHILE  
 DRILLING. WATER DECR W/SUBSEQ STM ENTRY. CONVERTED TO INJECTOR 5-85.

4252.	4246.	-7.	-73.	0.
4282.	4275.	-4.	-69.	0.
4347.	4340.	2.	-62.	-10.
4386.	4378.	6.	-57.	0.
4400.	4392.	8.	-56.	-100.
4479.	4469.	16.	-46.	0.
4571.	4560.	27.	-35.	0.
4600.	4589.	30.	-31.	-100.
4663.	4651.	38.	-23.	0.
4756.	4743.	51.	-12.	0.
4800.	4769.	54.	-9.	-100.
4841.	4800.	59.	-5.	0.
4934.	4917.	76.	10.	0.
5000.	4982.	85.	19.	-100.
5029.	5011.	89.	22.	0.
5123.	5103.	101.	34.	0.
5200.	5179.	111.	44.	-100.
5214.	5193.	113.	46.	0.
5290.	5268.	123.	55.	-2.
5304.	5281.	125.	57.	0.
5398.	5360.	135.	67.	0.
5400.	5362.	135.	68.	-100.
5584.	5556.	160.	92.	0.
5600.	5572.	162.	93.	-100.
5709.	5679.	175.	106.	0.
5800.	5770.	186.	117.	0.
5893.	5861.	198.	127.	0.
5987.	5954.	210.	136.	0.
6000.	5967.	212.	137.	-100.
6079.	6045.	222.	144.	0.
6172.	6137.	234.	152.	0.
6200.	6164.	238.	155.	-100.
6285.	6248.	251.	162.	0.
6359.	6321.	262.	168.	0.
6400.	6361.	269.	171.	-100.
6453.	6413.	277.	176.	0.
6542.	6501.	291.	184.	0.
6600.	6558.	301.	189.	-100.
6633.	6590.	307.	192.	0.
6708.	6663.	321.	199.	-2.
6725.	6680.	324.	200.	0.
6800.	6753.	338.	207.	-100.
6818.	6771.	341.	209.	0.
6910.	6861.	359.	217.	0.
7000.	6949.	377.	226.	-100.
7006.	6955.	378.	227.	0.
7099.	7045.	398.	236.	0.
7192.	7135.	419.	245.	0.
7200.	7143.	421.	246.	-100.
7283.	7223.	441.	253.	0.
7375.	7312.	463.	262.	0.
7400.	7336.	469.	264.	-100.
7469.	7403.	486.	270.	0.
7551.	7482.	506.	277.	0.
7600.	7530.	518.	281.	-100.
7659.	7587.	532.	286.	0.
7752.	7676.	556.	294.	0.
7800.	7722.	568.	298.	-100.
7845.	7766.	579.	301.	0.
8000.	7915.	619.	309.	10.
8200.	8108.	673.	320.	-100.
8216.	8123.	677.	321.	0.
8400.	8300.	728.	332.	-100.
8458.	8355.	744.	335.	8.
8469.	8366.	747.	336.	5.
8492.	8388.	754.	337.	0.
8600.	8491.	785.	342.	-100.
8800.	8682.	843.	350.	-100.
8816.	8697.	848.	351.	0.

OPEN HOLE DESCRIPTION

\*\*\*\* INTERVAL \*\*\*\*  
 SIZE (IN) TOP BOTTOM  
 10.63 4350. 8816.

WELL: 18  
 LOCATION: 1782526E 407414N  
 SURFACE ELEVATION: 2627.  
 CASING SHOE: 2599.  
 FLOWRATE (KLBS/HR): 150.

COMMENTS: TWISTED OFF AT 5890'. 35' FISH LEFT ON BOTTOM.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	7.	-3.	-100.
400.	399.	13.	-6.	-100.
600.	599.	19.	-9.	-100.
800.	799.	24.	-11.	-100.
1000.	999.	30.	-13.	-100.
1060.	1059.	31.	-13.	0.
1200.	1200.	35.	-22.	-100.
1400.	1400.	39.	-25.	-100.
1600.	1599.	43.	-16.	-100.
1611.	1610.	43.	-15.	0.
1800.	1796.	46.	16.	-100.
2000.	1993.	48.	51.	-100.
2200.	2189.	48.	88.	-100.
2252.	2240.	48.	98.	0.
2400.	2386.	46.	125.	-100.
2599.	2580.	43.	165.	-10.
2600.	2581.	43.	165.	-100.
2800.	2776.	40.	211.	-100.
2856.	2830.	39.	224.	0.
3000.	2971.	35.	257.	-100.
3200.	3164.	32.	311.	-100.
3400.	3353.	30.	374.	-100.
3415.	3367.	30.	379.	0.
3600.	3535.	30.	456.	-100.
3800.	3715.	31.	541.	-100.
4000.	3894.	34.	629.	-100.
4066.	3953.	36.	659.	0.
4200.	4070.	40.	724.	-100.
4210.	4079.	41.	729.	2.
4400.	4246.	48.	820.	-100.
4600.	4423.	56.	912.	-100.
4618.	4439.	57.	921.	10.
4621.	4442.	57.	922.	0.
4800.	4602.	67.	1001.	-100.
5000.	4781.	77.	1089.	-100.
5075.	4848.	81.	1123.	50.
5085.	4857.	81.	1127.	0.
5200.	4960.	85.	1177.	-100.
5365.	5107.	92.	1252.	0.
5400.	5138.	94.	1268.	10.
5600.	5313.	105.	1364.	-100.
5800.	5486.	120.	1464.	-100.
5890.	5563.	127.	1511.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM *****
12.25	2599.	5890.

WELL: 19  
 LOCATION: 1782542E 407404N  
 SURFACE ELEVATION: 2658.  
 CASING SHOE: 2616.  
 FLOWRATE (KLBS/HR): 95.

COMMENTS: TOP OF FELSITE AT 5810'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	7.	-7.	-100.
400.	400.	12.	-11.	-100.
600.	600.	16.	-14.	-100.
800.	800.	19.	-15.	-100.
1000.	1000.	21.	-14.	-100.
1155.	1155.	21.	-11.	0.
1200.	1200.	22.	-13.	-100.
1400.	1401.	22.	-14.	-100.
1600.	1601.	20.	-7.	-100.
1800.	1799.	15.	10.	-100.
1811.	1810.	15.	11.	0.
2000.	1995.	5.	47.	-100.
2200.	2191.	-6.	86.	-100.
2400.	2386.	-18.	127.	-100.
2600.	2581.	-29.	170.	-100.
2616.	2597.	-30.	173.	-10.
2675.	2654.	-33.	186.	0.
2800.	2776.	-41.	213.	-100.
3000.	2970.	-54.	258.	-100.
3200.	3164.	-65.	305.	-100.
3400.	3357.	-77.	355.	-100.
3494.	3448.	-82.	379.	0.
3600.	3550.	-88.	407.	-100.
3604.	3554.	-88.	408.	14.
3800.	3742.	-99.	461.	-100.
4000.	3934.	-108.	518.	-100.
4016.	3949.	-109.	523.	0.
4200.	4123.	-116.	584.	-100.
4400.	4312.	-123.	648.	-100.
4600.	4502.	-131.	710.	-100.
4661.	4560.	-133.	729.	4.
4800.	4692.	-138.	771.	-100.
4814.	4705.	-139.	776.	25.
4822.	4713.	-139.	778.	0.
5000.	4885.	-147.	825.	-100.
5027.	4911.	-148.	832.	4.
5059.	4942.	-149.	841.	2.
5200.	5077.	-155.	880.	-100.
5272.	5146.	-157.	900.	9.
5400.	5269.	-161.	938.	-100.
5570.	5431.	-166.	989.	3.
5600.	5459.	-167.	998.	-100.
5645.	5502.	-168.	1012.	0.
5800.	5650.	-173.	1059.	-100.
5974.	5815.	-176.	1115.	15.
6000.	5839.	-177.	1124.	-100.
6200.	6027.	-179.	1193.	-100.
6246.	6070.	-179.	1209.	4.
6400.	6213.	-179.	1265.	-100.
6479.	6286.	-179.	1295.	0.
6600.	6397.	-178.	1342.	-100.
6800.	6580.	-174.	1423.	-100.
7000.	6761.	-168.	1508.	-100.
7009.	6769.	-168.	1512.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
12.25	2616.		5827.
10.63	5827.		7009.

WELL: 20  
 LOCATION: 1784723E 410439N  
 SURFACE ELEVATION: 3666.  
 CASING SHOE: 5589.  
 FLOWRATE (KLBS/HR): 134.

COMMENTS: HOLE BLEW "GREY MUD" TRIPPING @ 7491' (SHUT SMUD DOWN). RAN  
 TIEBACK, UNABLE RETRIEVE PACKER. STUCK, TOP FISH 6599. UNABLE  
 DRILL BRIDGE @ 5719. QUIT WELL.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	2.	2.	-100.
400.	400.	4.	1.	-100.
600.	600.	5.	-4.	-100.
800.	800.	5.	-12.	-100.
1000.	999.	5.	-22.	-100.
1008.	1007.	5.	-23.	0.
1200.	1198.	4.	-40.	-100.
1400.	1397.	2.	-57.	-100.
1578.	1575.	0.	-72.	0.
1600.	1597.	-1.	-75.	-100.
1800.	1796.	-5.	-95.	-100.
2000.	1996.	-11.	-111.	-100.
2196.	2191.	-18.	-122.	0.
2200.	2195.	-19.	-122.	-100.
2400.	2395.	-30.	-127.	-100.
2600.	2595.	-40.	-127.	-100.
2800.	2794.	-50.	-123.	-100.
2873.	2867.	-54.	-121.	0.
3000.	2995.	-60.	-121.	-100.
3200.	3194.	-69.	-110.	-100.
3400.	3391.	-80.	-87.	-100.
3415.	3406.	-80.	-85.	0.
3600.	3587.	-91.	-42.	-100.
3800.	3779.	-104.	11.	-100.
4000.	3969.	-116.	71.	-100.
4188.	4144.	-129.	135.	0.
4200.	4155.	-130.	140.	-100.
4400.	4337.	-144.	223.	-100.
4600.	4517.	-158.	307.	-100.
4800.	4697.	-173.	393.	-100.
4842.	4735.	-176.	411.	0.
5000.	4877.	-187.	482.	-100.
5200.	5055.	-201.	572.	-100.
5400.	5232.	-217.	662.	-100.
5461.	5286.	-222.	689.	0.
5543.	5358.	-229.	726.	0.
5589.	5399.	-234.	747.	-10.
5600.	5409.	-235.	751.	-100.
5800.	5585.	-256.	844.	-100.
6000.	5759.	-278.	940.	-100.
6034.	5788.	-282.	957.	0.
6200.	5928.	-299.	1045.	-100.
6400.	6096.	-323.	1152.	-100.
6561.	6230.	-343.	1239.	168. ← SE
6600.	6262.	-348.	1260.	-100.
6678.	6327.	-359.	1302.	0.
6800.	6427.	-377.	1370.	-100.
7000.	6590.	-407.	1480.	-100.
7087.	6662.	-422.	1527.	15.
7174.	6733.	-436.	1575.	0.
7200.	6754.	-441.	1589.	-100.
7224.	6774.	-445.	1602.	8.
7330.	6861.	-463.	1660.	0.
7400.	6919.	-475.	1698.	-100.
7491.	6994.	-490.	1747.	0.

OPEN HOLE DESCRIPTION  
 \*\*\*\*\* INTERVAL \*\*\*\*\*  
 SIZE (IN) TOP BOTTOM  
 10.63 5589. 7491.

WELL: 21 OH  
 LOCATION: 1784702E 410426N  
 SURFACE ELEVATION: 3665.  
 CASING SHOE: 1498.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: 17 CMT. PLUGS 3826'-4837'. STUCK PIPE @ 3870' COOH. BACKED OFF. FISH FEL  
 DOWN HOLE. 457' FISH LEFT IN HOLE. TOP AT 2937'. P.B. TO 2560' FOR R.D.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-3.	-7.	-100.
400.	400.	-5.	-12.	-100.
600.	600.	-7.	-17.	-100.
800.	799.	-9.	-21.	-100.
1000.	999.	-11.	-24.	-100.
1200.	1199.	-13.	-27.	-100.
1348.	1347.	-14.	-28.	0.
1400.	1399.	-15.	-31.	-100.
1498.	1497.	-17.	-37.	-10.
1600.	1599.	-19.	-41.	-100.
1800.	1799.	-21.	-45.	-100.
2000.	1999.	-21.	-42.	-100.
2200.	2198.	-19.	-32.	-100.
2299.	2297.	-18.	-24.	0.
2400.	2398.	-16.	-16.	-100.
2515.	2512.	-13.	-2.	0.
2600.	2595.	-8.	16.	-100.
2800.	2789.	3.	63.	-100.
3000.	2982.	16.	114.	-100.
3017.	2998.	17.	119.	0.
3200.	3171.	30.	180.	-100.
3400.	3359.	46.	246.	-100.
3600.	3547.	64.	312.	-100.
3800.	3735.	84.	376.	-100.
3806.	3740.	85.	378.	0.
4000.	3923.	107.	437.	-100.
4200.	4111.	131.	501.	-100.
4260.	4167.	138.	521.	0.
4400.	4297.	155.	569.	-100.
4600.	4482.	180.	642.	-100.
4752.	4622.	199.	700.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
14.75	1498.	4752.

WELL: 21 RD  
 LOCATION: 1784702E 410426N  
 SURFACE ELEVATION: 3665.  
 CASING SHOE: 4975.  
 FLOWRATE (KLBS/HR): 188.

COMMENTS: SIDETRACKED FROM ORIGINAL HOLE AT 2521'. SET 3 CEMENT PLUGS FROM 4840'  
 5101'. INITIAL FLOWRATE GIVEN IS FOR 185 PSIA.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-3.	-7.	-100.
400.	400.	-5.	-12.	-100.
600.	600.	-7.	-17.	-100.
800.	799.	-9.	-21.	-100.
1000.	999.	-11.	-24.	-100.
1200.	1199.	-13.	-27.	-100.
1348.	1347.	-14.	-28.	0.
1400.	1399.	-15.	-31.	-100.
1600.	1599.	-19.	-41.	-100.
1800.	1799.	-21.	-45.	-100.
2000.	1999.	-21.	-42.	-100.
2200.	2198.	-19.	-32.	-100.
2299.	2297.	-18.	-24.	0.
2400.	2398.	-15.	-15.	-100.
2515.	2512.	-13.	-2.	0.
2600.	2597.	-15.	8.	-100.
2800.	2796.	-18.	33.	-100.
2929.	2923.	-18.	51.	0.
3000.	2993.	-18.	61.	-100.
3053.	3045.	-18.	69.	0.
3200.	3189.	-14.	98.	-100.
3400.	3385.	-7.	139.	-100.
3600.	3580.	0.	182.	-100.
3788.	3763.	7.	223.	0.
3800.	3775.	7.	226.	-100.
4000.	3969.	15.	273.	-100.
4200.	4163.	23.	321.	-100.
4400.	4357.	31.	369.	-100.
4527.	4480.	37.	400.	0.
4600.	4551.	40.	417.	-100.
4800.	4745.	48.	465.	-100.
4975.	4915.	56.	507.	-10.
5000.	4939.	57.	514.	-100.
5200.	5132.	68.	564.	-100.
5362.	5288.	77.	606.	0.
5400.	5325.	79.	615.	-100.
5600.	5518.	91.	667.	-100.
5800.	5710.	104.	721.	-100.
6000.	5900.	121.	779.	-100.
6101.	5996.	130.	809.	0.
6200.	6090.	140.	839.	-100.
6400.	6279.	161.	902.	-100.
6494.	6368.	172.	932.	85.
6600.	6467.	185.	968.	-100.
6800.	6652.	211.	1038.	-100.
6966.	6804.	234.	1099.	0.
7000.	6834.	239.	1115.	-100.
7200.	7011.	272.	1204.	-100.
7400.	7189.	305.	1290.	-100.
7553.	7325.	332.	1353.	30.
7600.	7367.	340.	1372.	-100.
7800.	7547.	377.	1451.	-100.
7893.	7631.	394.	1487.	0.
8000.	7728.	414.	1527.	-100.
8200.	7910.	453.	1600.	-100.
8400.	8092.	493.	1670.	-100.
8600.	8276.	535.	1736.	-100.
8680.	8350.	552.	1762.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
10.63	4975.		7490.
8.75	7490.		8680.

CH 1002-2007

WELL: 22 OH  
 LOCATION: 1788342E 407857N  
 SURFACE ELEVATION: 3658.  
 CASING SHOE: 4642.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: LCZ'S FROM 4300-4700'. SET 5 CMT PLUGS. LOST 50' BHA COH @ 6696. RECOV. ALL BUT BIT. PB TO 4550 FOR REDRILL.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-6.	0.	-100.
400.	400.	-10.	-2.	-100.
600.	600.	-14.	-5.	-100.
800.	800.	-17.	-11.	-100.
848.	848.	-18.	-12.	0.
1000.	999.	-19.	-20.	-100.
1200.	1199.	-20.	-30.	-100.
1400.	1399.	-20.	-41.	-100.
1600.	1598.	-21.	-53.	-100.
1766.	1764.	-22.	-64.	0.
1800.	1798.	-22.	-66.	-100.
2000.	1998.	-23.	-79.	-100.
2200.	2197.	-24.	-93.	-100.
2400.	2397.	-25.	-108.	-100.
2572.	2568.	-26.	-121.	0.
2600.	2596.	-26.	-123.	-100.
2800.	2795.	-27.	-141.	-100.
3000.	2994.	-29.	-158.	-100.
3200.	3194.	-31.	-176.	-100.
3277.	3270.	-32.	-183.	0.
3400.	3393.	-34.	-192.	-100.
3600.	3593.	-37.	-209.	-100.
3800.	3792.	-41.	-228.	-100.
4000.	3990.	-46.	-250.	-100.
4024.	4014.	-47.	-253.	0.
4200.	4189.	-51.	-271.	-100.
4374.	4360.	-60.	-298.	0.
4400.	4386.	-62.	-303.	-100.
4600.	4580.	-79.	-350.	-100.
4625.	4604.	-82.	-356.	0.
4642.	4620.	-84.	-361.	-10.
4800.	4770.	-104.	-406.	-100.
4915.	4879.	-119.	-438.	0.
5000.	4960.	-132.	-462.	-100.
5130.	5083.	-150.	-498.	4.
5200.	5149.	-160.	-518.	-100.
5400.	5340.	-189.	-573.	-100.
5600.	5530.	-216.	-629.	-100.
5759.	5681.	-237.	-673.	0.
5800.	5720.	-242.	-684.	-100.
6000.	5911.	-268.	-740.	-100.
6200.	6101.	-293.	-795.	-100.
6400.	6292.	-317.	-850.	-100.
6600.	6483.	-340.	-905.	-100.
6666.	6546.	-348.	-923.	0.
6696.	6575.	-352.	-931.	0.

WELL: 22 ST  
 LOCATION: 1788342E 407857N  
 SURFACE ELEVATION: 3658.  
 CASING SHOE: 4642.  
 FLOWRATE (KLBS/HR): 92.

COMMENTS: SIDETRACKED FROM OH. KOP AT 4647'. FELSITE AT +- 7700'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-6.	0.	-100.
400.	400.	-10.	-2.	-100.
600.	600.	-14.	-5.	-100.
800.	800.	-17.	-11.	-100.
848.	848.	-18.	-12.	0.
1000.	999.	-19.	-20.	-100.
1200.	1199.	-20.	-30.	-100.
1400.	1399.	-20.	-41.	-100.
1600.	1598.	-21.	-53.	-100.
1766.	1764.	-22.	-64.	0.
1800.	1798.	-22.	-66.	-100.
2000.	1998.	-23.	-79.	-100.
2200.	2197.	-24.	-93.	-100.
2400.	2397.	-25.	-108.	-100.
2572.	2568.	-26.	-121.	0.
2600.	2596.	-26.	-123.	-100.
2800.	2795.	-27.	-141.	-100.
3000.	2994.	-29.	-158.	-100.
3200.	3194.	-31.	-176.	-100.
3277.	3270.	-32.	-183.	0.
3400.	3393.	-34.	-192.	-100.
3600.	3593.	-37.	-209.	-100.
3800.	3792.	-41.	-228.	-100.
4000.	3990.	-46.	-250.	-100.
4024.	4014.	-47.	-253.	0.
4200.	4189.	-51.	-271.	-100.
4374.	4360.	-60.	-298.	0.
4400.	4385.	-62.	-304.	-100.
4600.	4580.	-80.	-350.	-100.
4625.	4604.	-82.	-356.	0.
4642.	4621.	-83.	-360.	-10.
4800.	4774.	-97.	-397.	-100.
4957.	4925.	-110.	-435.	0.
5000.	4967.	-114.	-446.	-100.
5200.	5159.	-133.	-499.	-100.
5400.	5350.	-151.	-555.	-100.
5600.	5539.	-169.	-614.	-100.
5660.	5596.	-174.	-633.	0.
5800.	5726.	-184.	-685.	-100.
5983.	5895.	-198.	-753.	3.
6000.	5911.	-199.	-759.	-100.
6142.	6042.	-210.	-813.	20.
6200.	6095.	-215.	-835.	-100.
6400.	6279.	-230.	-911.	-100.
6600.	6463.	-246.	-989.	-100.
6800.	6646.	-263.	-1067.	-100.
7000.	6829.	-279.	-1147.	-100.
7200.	7011.	-296.	-1227.	-100.
7212.	7022.	-297.	-1232.	0.
7334.	7132.	-308.	-1283.	17.
7400.	7192.	-314.	-1310.	-100.
7567.	7343.	-329.	-1380.	11.
7600.	7373.	-332.	-1393.	-100.
7741.	7501.	-345.	-1452.	20.
7800.	7554.	-350.	-1477.	-100.
7936.	7677.	-362.	-1533.	5.
7987.	7724.	-366.	-1554.	12.
8000.	7735.	-367.	-1560.	-100.
8047.	7778.	-371.	-1579.	0.
8200.	7917.	-385.	-1642.	-100.
8224.	7939.	-387.	-1652.	5.
8400.	8099.	-401.	-1725.	-100.
8543.	8228.	-411.	-1785.	0.
8600.	8279.	-415.	-1809.	-100.
8800.	8459.	-427.	-1895.	-100.
9000.	8638.	-438.	-1982.	-100.
9061.	8693.	-441.	-2009.	0.

WELL: 23  
 LOCATION: 1788328E 407879N  
 SURFACE ELEVATION: 3659.  
 CASING SHOE: 4113.  
 FLOWRATE (KLBS/HR): 135.

COMMENTS: SPUD 6/23/90, TD 8/4/90. FELSITE AT 7860'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	199.	-13.	-4.	-100.
400.	399.	-23.	-6.	-100.
600.	599.	-30.	-8.	-100.
800.	799.	-34.	-8.	-100.
1000.	998.	-34.	-7.	-100.
1015.	1014.	-34.	-7.	0.
1200.	1199.	-26.	-2.	-100.
1400.	1399.	-18.	2.	-100.
1600.	1598.	-10.	6.	-100.
1800.	1798.	-2.	10.	-100.
1876.	1874.	1.	11.	0.
2000.	1998.	8.	16.	-100.
2200.	2199.	18.	22.	-100.
2400.	2399.	26.	23.	-100.
2600.	2598.	31.	21.	-100.
2740.	2738.	34.	17.	0.
2800.	2798.	33.	16.	-100.
3000.	2998.	30.	10.	-100.
3200.	3197.	28.	-3.	-100.
3400.	3395.	27.	-24.	-100.
3600.	3591.	26.	-53.	-100.
3606.	3597.	26.	-54.	0.
3800.	3785.	22.	-101.	-100.
4000.	3978.	21.	-151.	-100.
4113.	4088.	21.	-180.	-10. - CSG
4200.	4172.	21.	-202.	-100.
4375.	4341.	22.	-247.	30. ← STM
4400.	4365.	23.	-253.	-100.
4480.	4442.	24.	-274.	0.
4600.	4558.	28.	-306.	-100.
4800.	4751.	35.	-359.	-100.
5000.	4943.	41.	-412.	-100.
5200.	5136.	48.	-466.	-100.
5215.	5150.	48.	-470.	0.
5400.	5328.	55.	-520.	-100.
5600.	5520.	61.	-575.	-100.
5800.	5712.	67.	-630.	-100.
5937.	5843.	70.	-668.	12. ← STM
6000.	5904.	72.	-685.	-100.
6095.	5995.	74.	-712.	0.
6200.	6095.	78.	-743.	-100.
6307.	6197.	82.	-775.	5.
6328.	6217.	82.	-781.	12. } STM
6335.	6224.	83.	-783.	3.
6341.	6230.	83.	-785.	15.
6354.	6242.	83.	-789.	9.
6400.	6286.	84.	-802.	-100.
6600.	6478.	88.	-860.	-100.
6800.	6669.	88.	-917.	-100.
7000.	6861.	86.	-973.	-100.
7002.	6863.	86.	-974.	0.
7200.	7053.	81.	-1030.	-100.
7400.	7246.	73.	-1084.	-100.
7600.	7438.	62.	-1137.	-100.
7691.	7526.	56.	-1161.	0.
7800.	7631.	48.	-1189.	-100.
8000.	7824.	30.	-1239.	-100.
8200.	8017.	9.	-1287.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP *****	***** BOTTOM *****
12.25	4113.	8200.	

WELL: 24  
 LOCATION: 1786006E 409626N  
 SURFACE ELEVATION: 3751.  
 CASING SHOE: 4680.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: 4 CMT PLUGS 2724-2922.TOTAL LCZ 4632-CMT PLUG. FELSITE @ 8300'. PLUG BACK TO 2876, MILL WINDOW FOR FORKED HOLE COMP. SPUD 5/1/91. TD 6/24/91.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-2.	-8.	-100.
400.	400.	-3.	-13.	-100.
600.	600.	-4.	-15.	-100.
800.	800.	-5.	-15.	-100.
1000.	999.	-6.	-12.	-100.
1091.	1090.	-6.	-10.	0.
1200.	1200.	-4.	-13.	-100.
1400.	1401.	-3.	-13.	-100.
1600.	1600.	-2.	-5.	-100.
1800.	1799.	-2.	11.	-100.
2000.	1996.	-3.	36.	-100.
2092.	2086.	-4.	50.	0.
2200.	2190.	-4.	78.	-100.
2400.	2384.	-6.	128.	-100.
2600.	2577.	-9.	178.	-100.
2800.	2771.	-15.	227.	-100.
2866.	2835.	-17.	243.	0.
3000.	2966.	-17.	283.	-100.
3200.	3160.	-21.	336.	-100.
3400.	3354.	-32.	382.	-100.
3600.	3549.	-49.	421.	-100.
3714.	3659.	-62.	441.	0.
3800.	3743.	-77.	451.	-100.
4000.	3938.	-113.	471.	-100.
4200.	4133.	-151.	489.	-100.
4400.	4327.	-192.	504.	-100.
4600.	4521.	-236.	516.	-100.
4680.	4599.	-254.	520.	-10.
4759.	4675.	-272.	523.	0.
4800.	4715.	-283.	524.	-100.
5000.	4907.	-336.	526.	-100.
5200.	5100.	-389.	528.	-100.
5400.	5292.	-443.	528.	-100.
5600.	5485.	-497.	528.	-100.
5800.	5677.	-551.	526.	-100.
5884.	5758.	-574.	525.	0.
6000.	5870.	-605.	524.	-100.
6200.	6063.	-659.	522.	-100.
6400.	6255.	-714.	517.	-100.
6600.	6447.	-770.	510.	-100.
6800.	6638.	-827.	501.	-100.
6807.	6645.	-829.	501.	0.
7000.	6831.	-882.	491.	-100.
7200.	7022.	-939.	479.	-100.
7400.	7212.	-999.	464.	-100.
7600.	7402.	-1060.	447.	-100.
7800.	7590.	-1125.	427.	-100.
7893.	7677.	-1155.	418.	4.
7898.	7682.	-1157.	417.	0.
7940.	7721.	-1171.	413.	9.
8000.	7778.	-1192.	406.	-100.
8200.	7964.	-1261.	382.	-100.
8359.	8111.	-1317.	361.	0.
8370.	8121.	-1321.	359.	4.
8400.	8149.	-1332.	355.	-100.
8600.	8332.	-1404.	325.	-100.
8800.	8515.	-1479.	291.	-100.
9000.	8696.	-1555.	254.	-100.
9060.	8750.	-1578.	242.	0.

WELL: CA 1862-24  
 LOCATION: 1786006E 409626N  
 SURFACE ELEVATION: 3751.  
 CASING SHOE: 4680.  
 DWRATE (KLBS/HR): 76.

COMMENTS: 4 CMT PLUGS 2724-2922. TOTAL LCZ 4632-CMT PLUG. FELSITE @ 8300'. PLUG  
 BACK TO 2876, MILL WINDOW FOR FORKED HOLE COMP. SPUD 5/1/91. TD 6/24/91.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-2.	-8.	-100.
400.	400.	-3.	-13.	-100.
600.	600.	-4.	-15.	-100.
800.	800.	-5.	-15.	-100.
1000.	999.	-6.	-12.	-100.
1091.	1090.	-6.	-10.	0.
1200.	1200.	-4.	-15.	-100.
1400.	1401.	-3.	-18.	-100.
1600.	1601.	-2.	-10.	-100.
1800.	1799.	-2.	7.	-100.
2000.	1996.	-3.	34.	-100.
2092.	2086.	-4.	50.	0.
2200.	2191.	-5.	75.	-100.
2400.	2385.	-7.	123.	-100.
2500.	2482.	-9.	148.	0.
2600.	2578.	-10.	175.	-100.
2800.	2771.	-15.	226.	-100.
2866.	2835.	-17.	243.	0.
3000.	2966.	-17.	283.	-100.
3200.	3160.	-21.	336.	-100.
3400.	3354.	-32.	382.	-100.
3600.	3549.	-49.	421.	-100.
3714.	3659.	-62.	441.	0.
3800.	3743.	-77.	451.	-100.
4000.	3938.	-113.	471.	-100.
4200.	4133.	-151.	489.	-100.
4400.	4327.	-192.	504.	-100.
4600.	4521.	-236.	516.	-100.
4632.	4552.	-243.	517.	-1.
4680.	4599.	-254.	520.	-10.
4759.	4675.	-272.	523.	0.
4800.	4715.	-283.	524.	-100.
5000.	4907.	-336.	526.	-100.
5200.	5100.	-389.	528.	-100.
5400.	5292.	-443.	528.	-100.
5600.	5485.	-497.	528.	-100.
5800.	5677.	-551.	526.	-100.
5884.	5758.	-574.	525.	0.
6000.	5870.	-605.	524.	-100.
6200.	6063.	-659.	522.	-100.
6400.	6255.	-714.	517.	-100.
6600.	6447.	-770.	510.	-100.
6800.	6638.	-827.	501.	-100.
6807.	6645.	-829.	501.	0.
7000.	6831.	-882.	491.	-100.
7200.	7022.	-939.	479.	-100.
7400.	7212.	-999.	464.	-100.
7600.	7402.	-1060.	447.	-100.

WELL: CA 1862-24

CONTINUED...

7800.	7590.	-1125.	427.	-100.
7893.	7677.	-1155.	418.	4.
7898.	7682.	-1157.	417.	0.
7940.	7721.	-1171.	413.	9.
8000.	7778.	-1192.	406.	-100.
8200.	7964.	-1261.	382.	-100.
8359.	8111.	-1317.	361.	0.
8370.	8121.	-1321.	359.	4.
8400.	8149.	-1332.	355.	-100.
8600.	8332.	-1404.	325.	-100.
8800.	8515.	-1479.	291.	-100.
9000.	8696.	-1555.	254.	-100.
9060.	8750.	-1578.	242.	0.

WELL: CA 1862-24 FK

LOCATION: 1786006E 409626N

SURFACE ELEVATION: 3751.

CASING SHOE: 5450.

FLOWRATE (KLBS/HR): 0.

COMMENTS: MILL WNDW 2720-2839. UNCMDT LNR TO 5450. DRLD OFF PLUG TRY REOPEN ORIG HOLE. SIDETRCKD OH TO 3176, MILL HOLE IN CSG TO RECOVER STEAM

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-2.	-8.	-100.
400.	400.	-3.	-13.	-100.
600.	600.	-4.	-15.	-100.
800.	800.	-5.	-15.	-100.
1000.	999.	-6.	-12.	-100.
1091.	1090.	-6.	-10.	0.
1200.	1200.	-4.	-15.	-100.
1400.	1401.	-3.	-18.	-100.
1600.	1601.	-2.	-10.	-100.
1800.	1799.	-2.	7.	-100.
2000.	1996.	-3.	34.	-100.
2092.	2086.	-4.	50.	0.
2200.	2191.	-5.	75.	-100.
2400.	2385.	-7.	123.	-100.
2500.	2482.	-9.	148.	0.
2600.	2578.	-13.	175.	-100.
2800.	2771.	-17.	227.	-100.
2866.	2835.	-17.	243.	0.
3000.	2966.	-17.	277.	-100.
3100.	3063.	-11.	297.	0.
3200.	3161.	5.	308.	-100.
3400.	3356.	40.	328.	0.
3600.	3551.	82.	344.	-100.
3800.	3747.	124.	359.	-100.
4000.	3942.	164.	374.	0.
4200.	4139.	198.	387.	-100.
4400.	4335.	234.	401.	-100.
4600.	4530.	272.	415.	-100.
4666.	4595.	285.	420.	-2.
4800.	4725.	313.	430.	-100.
4855.	4779.	325.	434.	0.
5000.	4920.	358.	445.	-100.

WELL: CA 1862-24

CONTINUED...

5200.	5114.	404.	460.	-100.
5400.	5307.	452.	475.	-100.
5450.	5355.	465.	480.	-10.
5492.	5396.	475.	483.	0.
5567.	5468.	495.	490.	8.
5600.	5500.	503.	493.	-100.
5800.	5693.	555.	511.	-100.
6000.	5885.	608.	529.	-100.
6200.	6077.	660.	547.	-100.
6282.	6155.	681.	554.	0.
6400.	6266.	712.	565.	-100.
6600.	6455.	764.	584.	-100.
6741.	6589.	801.	596.	37.
6800.	6645.	816.	601.	-100.
7000.	6837.	867.	618.	-100.
7043.	6878.	878.	622.	0.
7200.	7031.	923.	635.	-100.
7400.	7226.	977.	652.	-100.
7600.	7421.	1025.	667.	-100.
7720.	7539.	1051.	675.	24.
7800.	7617.	1068.	681.	-100.
7877.	7693.	1083.	686.	0.
8000.	7814.	1106.	694.	-100.
8200.	8011.	1139.	706.	-100.
8400.	8209.	1167.	717.	-100.
8600.	8407.	1191.	726.	-100.
8800.	8605.	1210.	735.	-100.
8880.	8685.	1216.	738.	0.

6471

← 3 SE Comb.  
7707  
7720  
7727

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
8.76	451.	880.

WELL DATA INPUT SHEET

4908 0-2-4

WELL NAME: 1862-24 FK

SURFACE ELEV. (K.B.):

PLUGGING SHOE [MD (TVD)]: 5450

FLOW RATE (klbs/hr @110psig): unknown

213 481

A

STEAM ENTRY DATA

.D. #	M.D. (T.V.D.)	COMP. INC. (PSI)
1		
2		
3		
4		
5	4666	-2
6		
7	5567	8
8	6741	37
9	7707	10 →
10	7720	9
11	7727	5
12		
13		
14		
15		

DIRECTIONAL CONTROL

M.D. (T.V.D.)	N-S (N+)	E-W (E+)
2866 ↑ Same as OH		
3100 (3063)	-11.4	+297.0
3400 (3356)	+40.2	+328.0
4000 (3942)	+164.0	+374.0
4855 (4779)	+325.0	+434.0
5492 (5396)	+475.0	+483.0
6282 (6155)	+681.0	+554.0
7034 (6878)	+878.0	+622.0
7877 (7693)	+1083.0	+686.0
8880 (8685)	+1216.0	+738.0

OPEN HOLE DESCRIPTION

Size (in.)	Interval	
	Top	Bottom
8.75	5450	8880

Window 2720-2839. Uncmtd lnr to 5450. Drilled off plug trying to reopen orig hole. Side tracked OH to 3174 and milled hole in 1 1/4" sg to 3188. to recover. str.

WELL: 26F1  
 LOCATION: 1785349E 408184N  
 SURFACE ELEVATION: 3396.  
 CASING SHOE: 0.  
 FLOWRATE (KLBS/HR): 23.

COMMENTS: BEGIN F1 AT WINDOW FROM 4253-4287. FISH IN HOLE. TOP AT 6631. Unable to reenter F1 for cleanout after F2.top of F1 plugged.Drilled 3/8-21/93.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	196.	5.	-2.	-100.
400.	395.	10.	-5.	-100.
600.	595.	16.	-9.	-100.
800.	795.	21.	-14.	-100.
996.	995.	26.	-19.	0.
1000.	999.	26.	-19.	-100.
1200.	1199.	33.	-26.	-100.
1400.	1398.	39.	-33.	-100.
1600.	1598.	44.	-42.	-100.
1800.	1798.	48.	-51.	-100.
2000.	1998.	52.	-60.	-100.
2027.	2025.	52.	-62.	0.
2200.	2199.	44.	-77.	-100.
2400.	2399.	40.	-92.	-100.
2600.	2599.	43.	-103.	-100.
2800.	2798.	51.	-112.	-100.
2910.	2907.	58.	-115.	0.
3000.	2997.	62.	-122.	-100.
3200.	3196.	80.	-128.	-100.
3400.	3393.	108.	-125.	-100.
3535.	3524.	134.	-116.	0.
3600.	3587.	149.	-109.	-100.
3729.	3711.	180.	-95.	0.
3800.	3779.	197.	-88.	-100.
4000.	3972.	245.	-66.	-100.
4040.	4011.	254.	-62.	0.
4200.	4167.	289.	-44.	-100.
4250.	4215.	301.	-39.	0.
4400.	4359.	340.	-25.	0.
4522.	4477.	372.	-23.	0.
4600.	4551.	393.	-30.	-100.
4782.	4725.	440.	-51.	0.
4800.	4742.	445.	-54.	-100.
5000.	4933.	496.	-86.	-100.
5200.	5125.	545.	-117.	-100.
5400.	5317.	591.	-147.	-100.
5461.	5376.	605.	-156.	0.
5490.	5404.	611.	-160.	5.
5600.	5511.	633.	-174.	-100.
5800.	5705.	673.	-202.	-100.
6000.	5899.	712.	-231.	-100.

WELL: 26F1

(continued)

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
6149.	6043.	742.	-253.	6.
6170.	6063.	746.	-257.	4.
6185.	6078.	749.	-259.	0.
6200.	6093.	752.	-261.	-100.
6400.	6286.	791.	-292.	-100.
6600.	6479.	830.	-326.	-100.
6800.	6671.	869.	-362.	-100.
6834.	6704.	876.	-369.	0.
7000.	6863.	909.	-402.	-100.
7200.	7055.	949.	-445.	-100.
7390.	7236.	987.	-489.	0.
7400.	7246.	989.	-491.	-100.
7420.	7265.	993.	-495.	0.

WELL: 26F2  
 LOCATION: 1785349E 408184N  
 SURFACE ELEVATION: 3396.  
 CASING SHOE: 0.  
 FLOWRATE (KLBS/HR): 47.

COMMENTS: BEGIN F2 AT WINDOW FROM 4059-4095. TWIST OFF AT  
 7830.P.B.& S.T.FM 7430. FELSITE AT 9330. Drilled 3/31-4/29/92.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	196.	5.	-2.	-100.
400.	395.	10.	-5.	-100.
600.	595.	16.	-9.	-100.
800.	795.	21.	-14.	-100.
996.	995.	26.	-19.	0.
1000.	999.	26.	-19.	-100.
1200.	1199.	33.	-26.	-100.
1400.	1398.	39.	-33.	-100.
1600.	1598.	44.	-42.	-100.
1800.	1798.	48.	-51.	-100.
2000.	1998.	52.	-60.	-100.
2027.	2025.	52.	-62.	0.
2200.	2199.	44.	-77.	-100.
2400.	2399.	40.	-92.	-100.
2600.	2599.	43.	-103.	-100.
2800.	2798.	51.	-112.	-100.
2910.	2907.	58.	-115.	0.
3000.	2997.	62.	-122.	-100.
3200.	3196.	80.	-128.	-100.
3400.	3393.	108.	-125.	-100.
3535.	3524.	134.	-116.	0.
3600.	3587.	149.	-109.	-100.
3729.	3711.	180.	-95.	0.
3800.	3778.	198.	-87.	-100.
4000.	3971.	245.	-66.	-100.
4040.	4011.	254.	-62.	0.
4059.	4030.	258.	-60.	0.
4200.	4165.	287.	-36.	-100.
4291.	4252.	306.	-17.	0.
4389.	4343.	325.	14.	-1.
4400.	4354.	327.	17.	-100.
4407.	4360.	328.	19.	-1.
4476.	4424.	341.	40.	-1.
4600.	4540.	365.	78.	-100.
4661.	4597.	377.	97.	0.
4800.	4727.	404.	140.	-100.
5000.	4913.	443.	200.	-100.
5200.	5100.	484.	259.	-100.
5342.	5233.	514.	299.	0.
5400.	5288.	526.	314.	-100.
5600.	5477.	568.	365.	-100.
5800.	5664.	613.	418.	-100.

WELL: 26F2

(continued)

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
6000.	5850.	661.	472.	-100.
6058.	5904.	676.	488.	0.
6200.	6035.	714.	527.	-100.
6400.	6219.	769.	583.	-100.
6600.	6402.	826.	641.	-100.
6744.	6533.	868.	683.	0.
6800.	6583.	888.	701.	-100.
7000.	6760.	955.	763.	-100.
7200.	6940.	1018.	825.	-100.
7400.	7121.	1077.	886.	-100.
7430.	7148.	1085.	895.	0.
7600.	7304.	1128.	946.	-100.
7800.	7488.	1179.	1005.	-100.
7948.	7625.	1216.	1048.	0.
8000.	7674.	1228.	1062.	-100.
8112.	7778.	1255.	1092.	7.
8200.	7860.	1277.	1116.	-100.
8257.	7913.	1291.	1131.	10.
8287.	7941.	1299.	1140.	3.
8400.	8046.	1328.	1171.	-100.
8600.	8231.	1380.	1226.	-100.
8672.	8297.	1400.	1246.	0.
8800.	8415.	1435.	1282.	-100.
9000.	8597.	1493.	1339.	-100.
9200.	8779.	1552.	1396.	-100.
9339.	8905.	1595.	1436.	2.
9400.	8960.	1614.	1454.	-100.
9484.	9036.	1641.	1478.	6.
9542.	9088.	1659.	1495.	3.
9600.	9140.	1678.	1512.	-100.
9670.	9203.	1701.	1533.	0.

WELL: 26F3  
 LOCATION: 1785349E 408184N  
 SURFACE ELEVATION: 3396.  
 CASING SHOE: 4588.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: 2/27/93 DRILLED TO 4600, SET 13.38"CSG; P.B. FOR FORKS THRU  
 WNDWS @ 4253-87 (FORK 1) & 4059-95 (FK 2). COMP. F1 & F2 THEN DEEPEN  
 F3 TO T.D. 5/8-31/93.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	196.	5.	-2.	-100.
400.	395.	10.	-5.	-100.
600.	595.	16.	-9.	-100.
800.	795.	21.	-14.	-100.
996.	995.	26.	-19.	0.
1000.	999.	26.	-19.	-100.
1200.	1199.	33.	-26.	-100.
1400.	1398.	39.	-33.	-100.
1600.	1598.	44.	-42.	-100.
1800.	1798.	48.	-51.	-100.
2000.	1998.	52.	-60.	-100.
2027.	2025.	52.	-62.	0.
2200.	2199.	44.	-77.	-100.
2400.	2399.	40.	-92.	-100.
2600.	2599.	43.	-103.	-100.
2800.	2798.	51.	-112.	-100.
2910.	2907.	58.	-115.	0.
3000.	2997.	62.	-122.	-100.
3200.	3196.	80.	-128.	-100.
3400.	3393.	108.	-125.	-100.
3535.	3524.	134.	-116.	0.
3600.	3587.	149.	-109.	-100.
3729.	3711.	180.	-95.	0.
3800.	3779.	197.	-87.	-100.
4000.	3972.	245.	-66.	-100.
4040.	4011.	254.	-62.	0.
4200.	4166.	290.	-45.	-100.
4352.	4313.	325.	-30.	0.
4400.	4360.	336.	-25.	-100.
4542.	4497.	370.	-11.	0.
4588.	4541.	383.	-5.	-10.
4600.	4552.	386.	-4.	-100.
4800.	4743.	443.	19.	-100.
5000.	4934.	499.	40.	-100.
5013.	4946.	503.	42.	0.
5200.	5124.	556.	64.	-100.
5400.	5314.	613.	85.	-100.
5443.	5355.	625.	90.	2.
5554.	5461.	657.	100.	3.
5600.	5505.	670.	104.	-100.
5715.	5614.	704.	114.	22.

WELL: 26F3

(continued)

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
5740.	5638.	711.	116.	0.
5800.	5696.	727.	118.	-100.
6000.	5889.	782.	127.	-100.
6200.	6080.	840.	138.	-100.
6400.	6269.	903.	151.	-100.
6499.	6362.	935.	159.	0.
6600.	6456.	971.	168.	-100.
6800.	6641.	1043.	187.	-100.
7000.	6828.	1113.	207.	-100.
7007.	6834.	1115.	208.	0.
7200.	7016.	1177.	228.	-100.
7400.	7203.	1242.	252.	-100.
7600.	7390.	1310.	277.	-100.
7800.	7575.	1379.	305.	-100.
7840.	7612.	1393.	311.	0.
8000.	7759.	1450.	335.	-100.
8200.	7943.	1523.	368.	-100.
8400.	8125.	1597.	403.	-100.
8537.	8250.	1649.	429.	11.
8575.	8284.	1664.	436.	0.
8586.	8294.	1668.	438.	6.
8600.	8307.	1673.	440.	-100.
8800.	8490.	1747.	474.	-100.
8836.	8523.	1760.	480.	0.

WELL: ABEL 1  
 LOCATION: 1796234E 405544N  
 SURFACE ELEVATION: 2192.  
 CASING SHOE: 2500.  
 FLOWRATE (KLBS/HR): 170.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-3.	-7.	-100.
400.	400.	-8.	-14.	-100.
600.	599.	-13.	-20.	-100.
800.	799.	-19.	-25.	-100.
1000.	999.	-26.	-29.	-100.
1038.	1037.	-27.	-30.	0.
1200.	1199.	-36.	-35.	-100.
1400.	1398.	-45.	-38.	-100.
1600.	1598.	-53.	-39.	-100.
1689.	1687.	-57.	-39.	0.
1800.	1798.	-61.	-38.	-100.
2000.	1998.	-68.	-35.	-100.
2061.	2059.	-70.	-34.	0.
2200.	2198.	-75.	-33.	-100.
2400.	2397.	-80.	-29.	-100.
2500.	2497.	-81.	-27.	0.
2500.	2497.	-81.	-27.	-10.
2600.	2598.	-84.	-28.	-100.
2800.	2798.	-84.	-21.	-100.
3000.	2995.	-76.	-2.	-100.
3005.	3000.	-76.	-1.	0.
3200.	3186.	-52.	53.	-100.
3400.	3375.	-24.	111.	-100.
3600.	3562.	8.	172.	-100.
3800.	3748.	44.	234.	-100.
4000.	3932.	83.	300.	-100.
4014.	3945.	86.	304.	0.
4200.	4111.	136.	372.	-100.
4400.	4290.	189.	444.	-100.
4560.	4433.	231.	503.	12.
4600.	4469.	241.	517.	-100.
4737.	4591.	277.	568.	10.
4754.	4606.	281.	574.	10.
4800.	4648.	293.	591.	-100.
5000.	4826.	343.	664.	-100.
5015.	4840.	347.	670.	40.
5071.	4890.	361.	691.	0.
5200.	5006.	390.	740.	-100.
5400.	5185.	435.	816.	-100.
5481.	5258.	454.	846.	1.
5600.	5365.	482.	891.	-100.
5800.	5544.	531.	965.	-100.
5870.	5606.	549.	991.	20.
5961.	5688.	572.	1024.	5.
6000.	5722.	582.	1038.	-100.
6018.	5738.	587.	1045.	5.
6125.	5834.	615.	1084.	0.
6200.	5901.	635.	1111.	-100.
6400.	6079.	690.	1183.	-100.
6600.	6257.	746.	1255.	-100.
6800.	6435.	805.	1325.	-100.
6885.	6510.	830.	1355.	70.
7000.	6612.	865.	1395.	-100.
7050.	6657.	880.	1412.	110.
7188.	6779.	923.	1460.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
8.75	2500.	7188.

WELL: BAR 1 OH  
 LOCATION: 1797681E 400720N  
 SURFACE ELEVATION: 2617.  
 CASING SHOE: 3000.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: DRILLING 7580' - 7665' (TD) HOLE PRODUCED 128 BBL/HR WATER AT 190 F. SILICA  
 CONTENT 725 PPM. HOLE REDRILLED. PBTD-3439'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	-2.	-100.
400.	400.	2.	-3.	-100.
600.	600.	4.	0.	-100.
800.	800.	6.	4.	-100.
1000.	1000.	8.	11.	-100.
1012.	1012.	8.	11.	0.
1200.	1199.	8.	22.	-100.
1400.	1399.	10.	35.	-100.
1600.	1598.	13.	49.	-100.
1800.	1797.	16.	64.	-100.
2000.	1996.	21.	81.	-100.
2046.	2042.	22.	85.	0.
2200.	2196.	22.	105.	-100.
2400.	2396.	24.	129.	-100.
2520.	2515.	28.	142.	10. ←
2600.	2595.	32.	150.	-100.
2800.	2793.	44.	170.	-100.
3000.	2991.	60.	189.	0.
3000.	2991.	60.	189.	-10.
3200.	3188.	85.	197.	-100.
3400.	3384.	110.	212.	-100.
3600.	3581.	135.	232.	-100.
3601.	3582.	135.	232.	0.
3800.	3778.	156.	262.	-100.
4000.	3975.	183.	293.	-100.
4100.	4073.	199.	308.	0.
4200.	4170.	222.	324.	-100.
4400.	4366.	263.	356.	-100.
4549.	4511.	290.	378.	0.
4600.	4561.	295.	385.	-100.
4800.	4757.	318.	413.	-100.
5000.	4952.	344.	440.	-100.
5085.	5035.	356.	450.	0.
5120.	5069.	363.	456.	50.
5200.	5147.	378.	468.	-100.
5400.	5342.	417.	495.	-100.
5600.	5536.	457.	519.	-100.
5800.	5731.	498.	540.	-100.
6000.	5926.	541.	557.	-100.
6200.	6120.	584.	571.	-100.
6300.	6217.	606.	577.	0.
6335.	6250.	622.	576.	10.
6340.	6255.	623.	576.	10.
6400.	6312.	638.	576.	-100.
6467.	6376.	653.	577.	10.
6600.	6504.	685.	578.	-100.
6800.	6697.	732.	579.	-100.
7000.	6892.	779.	581.	-100.
7035.	6926.	787.	581.	1.
7200.	7088.	826.	583.	-100.
7339.	7225.	851.	585.	0.
7400.	7285.	874.	584.	-100.
7580.	7465.	916.	586.	-2.
7600.	7485.	921.	586.	-100.
7665.	7550.	928.	588.	0.

OPEN HOLE DESCRIPTION  
 \*\*\*\*\* INTERVAL \*\*\*\*\*  
 SIZE (IN) TOP BOTTOM  
 8.75 3000. 7665.

WELL: BAR 2  
 LOCATION: 1799515E 400947N  
 SURFACE ELEVATION: 2222.  
 CASING SHOE: 3230.  
 FLOWRATE (KLBS/HR): 174.

COMMENTS: INITIAL PSIG AT 4769 AND 4774=133 AND 23 RESPECTIVELY. TOTAL BLED DOWN TO 60PSI. WATER LEVEL AT 6300' AS PER PTS LOG 6/18/86.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	0.	-3.	-100.
400.	400.	2.	-5.	-100.
600.	600.	4.	-4.	-100.
800.	800.	6.	-2.	-100.
1000.	1000.	9.	2.	-100.
1043.	1043.	10.	3.	0.
1200.	1200.	10.	15.	-100.
1400.	1400.	11.	28.	-100.
1600.	1600.	16.	39.	-100.
1800.	1799.	24.	48.	-100.
2000.	1998.	35.	54.	-100.
2067.	2065.	39.	56.	0.
2200.	2197.	49.	59.	-100.
2400.	2396.	67.	61.	-100.
2600.	2595.	87.	62.	-100.
2800.	2793.	110.	60.	-100.
3000.	2991.	135.	56.	-100.
3200.	3188.	163.	50.	-100.
3230.	3218.	167.	49.	0.
3230.	3218.	167.	49.	-10.
3400.	3386.	193.	40.	-100.
3600.	3583.	225.	29.	-100.
3800.	3780.	261.	18.	-100.
4000.	3976.	300.	6.	-100.
4030.	4005.	306.	4.	0.
4200.	4170.	347.	-8.	-100.
4400.	4363.	395.	-21.	-100.
4487.	4448.	416.	-27.	7
4600.	4557.	444.	-35.	-100.
4769.	4721.	485.	-47.	51
4774.	4725.	486.	-47.	9
4800.	4751.	492.	-49.	-100.
5000.	4944.	541.	-63.	-100.
5060.	5002.	556.	-67.	0.
5200.	5137.	590.	-76.	-100.
5400.	5331.	639.	-89.	-100.
5600.	5524.	689.	-103.	-100.
5800.	5717.	738.	-119.	-100.
5821.	5737.	743.	-121.	10
6000.	5910.	788.	-136.	-100.
6060.	5968.	803.	-141.	0.
6122.	6027.	821.	-150.	25
6200.	6101.	843.	-160.	-100.
6206.	6107.	845.	-161.	96
6260.	6158.	860.	-168.	60
6400.	6292.	898.	-185.	-100.
6600.	6484.	949.	-207.	-100.
6800.	6677.	997.	-226.	-100.
7000.	6871.	1042.	-241.	-100.
7020.	6891.	1046.	-243.	7.
7057.	6927.	1054.	-245.	0.
7200.	7067.	1083.	-254.	-100.
7239.	7105.	1091.	-256.	0.

5200-5137  
 5331-5137  
 5200

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP *****	***** BOTTOM *****
8.75		3230.	6978.
8.50		6978.	7239.

WELL: BAR 3  
 LOCATION: 1800920E 401726N  
 SURFACE ELEVATION: 1980.  
 CASING SHOE: 4300.  
 FLOWRATE (KLBS/HR): 122.

COMMENTS: KICK OFF FROM SUBCOMMERCIAL MLM 3 AT 4320'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	6.	1.	-100.
400.	400.	14.	6.	-100.
600.	599.	23.	15.	-100.
800.	798.	33.	26.	-100.
1000.	997.	44.	41.	-100.
1114.	1110.	51.	51.	0.
1200.	1196.	54.	61.	-100.
1400.	1395.	64.	85.	-100.
1600.	1593.	78.	111.	-100.
1800.	1790.	97.	139.	-100.
2000.	1986.	120.	169.	-100.
2029.	2014.	124.	173.	0.
2200.	2180.	150.	205.	-100.
2400.	2374.	185.	242.	-100.
2600.	2566.	222.	278.	-100.
2800.	2759.	263.	314.	-100.
3000.	2950.	307.	350.	-100.
3022.	2971.	312.	354.	0.
3200.	3140.	359.	398.	-100.
3400.	3329.	413.	440.	-100.
3600.	3519.	467.	474.	-100.
3800.	3708.	523.	501.	-100.
4000.	3897.	579.	521.	-100.
4014.	3910.	583.	522.	0.
4200.	4086.	638.	535.	-100.
4300.	4181.	668.	539.	-10.
4400.	4275.	697.	541.	-100.
4600.	4464.	757.	539.	-100.
4800.	4652.	816.	530.	-100.
5000.	4839.	875.	512.	-100.
5023.	4861.	882.	509.	0.
5200.	5030.	929.	477.	-100.
5400.	5219.	984.	437.	-100.
5600.	5405.	1043.	393.	-100.
5800.	5589.	1104.	346.	-100.
6000.	5770.	1169.	296.	-100.
6055.	5820.	1187.	281.	0.
6200.	5952.	1236.	240.	-100.
6400.	6130.	1306.	182.	-100.
6600.	6306.	1379.	120.	-100.
6800.	6478.	1456.	56.	-100.
6970.	6622.	1525.	-1.	53.
6987.	6636.	1532.	-7.	49.
7000.	6647.	1537.	-11.	-100.
7015.	6659.	1543.	-16.	12.
7083.	6716.	1572.	-40.	0.
7100.	6731.	1578.	-46.	25.
7192.	6812.	1616.	-77.	15.
7200.	6819.	1619.	-80.	-100.
7400.	6988.	1704.	-151.	-100.
7600.	7150.	1795.	-226.	-100.
7800.	7304.	1892.	-306.	-100.
8000.	7451.	1994.	-390.	-100.
8088.	7513.	2042.	-428.	0.
8108.	7527.	2052.	-437.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	*****
	TOP	BOTTOM
8.75	4300.	7443.
8.50	7443.	8108.

WELL: BAR 4  
 LOCATION: 1800872E 401716N  
 SURFACE ELEVATION: 1985.  
 CASING SHOE: 3420.  
 FLOWRATE (KLBS/HR): 112.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	4.	-3.	-100.
400.	400.	8.	-4.	-100.
600.	600.	13.	-2.	-100.
800.	800.	18.	1.	-100.
1000.	999.	24.	7.	-100.
1049.	1048.	25.	9.	0.
1200.	1200.	23.	33.	-100.
1400.	1401.	24.	57.	-100.
1600.	1601.	30.	72.	-100.
1800.	1799.	41.	76.	-100.
2000.	1996.	57.	72.	-100.
2009.	2005.	58.	72.	0.
2200.	2192.	92.	50.	-100.
2400.	2387.	127.	22.	-100.
2600.	2580.	159.	-11.	-100.
2800.	2773.	190.	-50.	-100.
3000.	2966.	219.	-95.	-100.
3012.	2977.	220.	-98.	0.
3200.	3157.	245.	-147.	-100.
3400.	3347.	271.	-203.	-100.
3420.	3366.	274.	-209.	0.
3420.	3366.	274.	-209.	-10.
3600.	3536.	294.	-264.	-100.
3800.	3724.	319.	-328.	-100.
4000.	3911.	346.	-394.	-100.
4057.	3964.	354.	-413.	0.
4200.	4096.	377.	-462.	-100.
4400.	4280.	411.	-533.	-100.
4600.	4463.	445.	-606.	-100.
4800.	4645.	480.	-682.	-100.
5000.	4825.	516.	-760.	-100.
5047.	4867.	525.	-778.	0.
5200.	5008.	552.	-837.	-100.
5400.	5189.	588.	-917.	-100.
5600.	5366.	627.	-1001.	-100.
5800.	5540.	668.	-1090.	-100.
5990.	5702.	709.	-1179.	5.
6000.	5710.	711.	-1183.	-100.
6063.	5763.	725.	-1214.	0.
6200.	5876.	758.	-1284.	-100.
6400.	6039.	807.	-1389.	-100.
6600.	6199.	858.	-1497.	-100.
6800.	6356.	908.	-1609.	-100.
7000.	6511.	960.	-1723.	-100.
7021.	6527.	965.	-1735.	0.
7200.	6664.	1013.	-1842.	-100.
7400.	6813.	1066.	-1963.	-100.
7600.	6960.	1120.	-2088.	-100.
7800.	7104.	1174.	-2215.	-100.
7845.	7136.	1186.	-2244.	20.
7890.	7168.	1199.	-2274.	12.
7943.	7206.	1213.	-2308.	22.
7992.	7240.	1226.	-2340.	22.
8000.	7246.	1228.	-2346.	-100.
8058.	7286.	1244.	-2384.	0.
8200.	7384.	1283.	-2479.	-100.
8235.	7408.	1293.	-2503.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL TOP	***** BOTTOM
12.25	3432.	7589.
8.75	7589.	8235.

WELL: BAR 5  
 LOCATION: 1800898E 401722N  
 SURFACE ELEVATION: 1985.  
 CASING SHOE: 3312.  
 FLOWRATE (KLBS/HR): 209.

COMMENTS: KICKED OFF FROM SUBCOMMERCIAL DAVIES ESTATE 4 AT 3347'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	5.	-100.
400.	400.	1.	12.	-100.
600.	599.	3.	22.	-100.
800.	799.	4.	33.	-100.
1000.	998.	6.	47.	-100.
1049.	1047.	7.	51.	0.
1200.	1197.	14.	70.	-100.
1400.	1396.	19.	91.	-100.
1600.	1595.	18.	108.	-100.
1701.	1696.	15.	115.	0.
1800.	1795.	9.	120.	-100.
2000.	1994.	-4.	129.	-100.
2070.	2063.	-9.	133.	0.
2200.	2193.	-26.	146.	-100.
2400.	2392.	-50.	163.	-100.
2600.	2591.	-69.	176.	-100.
2800.	2790.	-84.	184.	-100.
3000.	2989.	-96.	188.	-100.
3200.	3188.	-103.	187.	-100.
3300.	3287.	-105.	185.	0.
3312.	3299.	-105.	185.	-10.
3400.	3386.	-108.	179.	-100.
3600.	3585.	-110.	166.	-100.
3800.	3783.	-105.	153.	-100.
4000.	3980.	-92.	139.	-100.
4063.	4042.	-87.	134.	0.
4200.	4177.	-64.	126.	-100.
4400.	4374.	-29.	113.	-100.
4600.	4570.	9.	98.	-100.
4800.	4765.	49.	82.	-100.
5000.	4960.	92.	64.	-100.
5086.	5043.	112.	55.	0.
5200.	5153.	138.	44.	-100.
5400.	5346.	187.	22.	-100.
5600.	5538.	238.	-1.	-100.
5660.	5595.	254.	-8.	15.
5687.	5621.	261.	-11.	5.
5775.	5705.	285.	-22.	5.
5800.	5728.	292.	-25.	-100.
6000.	5918.	348.	-51.	-100.
6006.	5924.	350.	-52.	0.
6200.	6108.	409.	-78.	-100.
6400.	6296.	471.	-106.	-100.
6600.	6483.	534.	-137.	-100.
6800.	6669.	599.	-169.	-100.
6850.	6716.	616.	-178.	5.
7000.	6855.	666.	-204.	-100.
7035.	6887.	677.	-210.	0.
7200.	7040.	733.	-238.	-100.
7400.	7225.	802.	-275.	-100.
7600.	7407.	872.	-316.	-100.
7754.	7547.	928.	-348.	10.
7780.	7570.	938.	-354.	5.
7800.	7588.	945.	-359.	-100.
8000.	7768.	1020.	-405.	-100.
8118.	7873.	1065.	-433.	0.
8200.	7946.	1096.	-454.	-100.
8400.	8122.	1175.	-506.	-100.
8490.	8201.	1211.	-530.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	*****
	TOP	BOTTOM
17.50	3312.	3328.
12.25	3328.	7404.
10.63	7404.	8490.

WELL: BAR 6  
 LOCATION: 1797658E 400727N  
 SURFACE ELEVATION: 2622.  
 CASING SHOE: 3206.  
 FLOWRATE (KLBS/HR): 245.

COMMENTS:  
 WELL RENAMED. KO FM MLM 6 @ 3207. TD'D 9/26/86. FLOW RATE AT 189PSI.  
 SMALL DECREASE IN FLOW OF MLM 4 NOTED DURING MLM 6 TEST.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-2.	2.	-100.
400.	400.	-2.	4.	-100.
600.	600.	-2.	8.	-100.
800.	800.	-1.	12.	-100.
1000.	1000.	1.	16.	-100.
1090.	1090.	2.	19.	0.
1200.	1200.	6.	24.	-100.
1400.	1400.	13.	33.	-100.
1600.	1599.	19.	40.	-100.
1800.	1799.	22.	47.	-100.
2000.	1999.	25.	53.	-100.
2059.	2058.	25.	54.	0.
2200.	2200.	15.	55.	-100.
2400.	2400.	12.	58.	-100.
2568.	2567.	19.	61.	-1.
2600.	2599.	21.	62.	-100.
2611.	2610.	22.	63.	0.
2800.	2799.	38.	71.	-100.
3000.	2995.	72.	79.	-100.
3168.	3156.	115.	85.	0.
3200.	3186.	125.	86.	-100.
3206.	3192.	127.	86.	-10.
3207.	3193.	127.	86.	0.
3333.	3312.	166.	89.	0.
3400.	3376.	186.	83.	-100.
3600.	3566.	246.	65.	-100.
3742.	3700.	291.	50.	0.
3800.	3755.	309.	44.	-100.
3816.	3770.	314.	42.	40.
4000.	3943.	374.	21.	-100.
4200.	4129.	442.	-6.	-100.
4400.	4312.	515.	-36.	-100.
4571.	4467.	581.	-64.	0.
4600.	4493.	593.	-69.	-100.
4800.	4672.	677.	-105.	-100.
5000.	4848.	764.	-145.	-100.
5200.	5021.	852.	-190.	-100.
5291.	5099.	893.	-212.	17.
5310.	5115.	902.	-217.	0.
5400.	5191.	943.	-242.	-100.
5600.	5358.	1037.	-299.	-100.
5800.	5525.	1131.	-355.	-100.
5841.	5559.	1151.	-367.	0.
5860.	5574.	1161.	-373.	117.
6000.	5687.	1232.	-414.	-100.
6200.	5850.	1332.	-472.	-100.
6400.	6016.	1427.	-529.	-100.
6487.	6089.	1468.	-554.	0.
6600.	6185.	1520.	-586.	-100.
6674.	6248.	1553.	-607.	0.
6800.	6355.	1610.	-643.	-100.
7000.	6525.	1701.	-699.	-100.
7003.	6528.	1703.	-700.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM *****
12.25	3206.	5842.

WELL: BIA 1 OH  
 LOCATION: 1797695E 408771N  
 SURFACE ELEVATION: 2158.  
 CASING SHOE: 2514.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	0.	0.	-100.
400.	400.	0.	0.	-100.
600.	600.	1.	1.	-100.
800.	800.	1.	1.	-100.
1000.	1000.	1.	1.	0.
1200.	1200.	1.	1.	-100.
1400.	1400.	1.	1.	-100.
1600.	1600.	1.	1.	-100.
1800.	1800.	2.	2.	-100.
2000.	2000.	2.	2.	-100.
2200.	2200.	2.	2.	-100.
2400.	2400.	2.	2.	-100.
2514.	2514.	2.	2.	-10.
2600.	2600.	2.	2.	-100.
2800.	2800.	2.	2.	-100.
3000.	3000.	2.	2.	-100.
3200.	3200.	2.	2.	-100.
3400.	3400.	2.	2.	-100.
3600.	3600.	2.	2.	-100.
3800.	3800.	2.	2.	-100.
4000.	4000.	2.	2.	-100.
4200.	4200.	2.	2.	-100.
4400.	4400.	2.	2.	-100.
4600.	4600.	2.	2.	-100.
4800.	4800.	2.	2.	-100.
5000.	5000.	2.	2.	-100.
5200.	5200.	2.	2.	-100.
5400.	5400.	2.	2.	-100.
5600.	5600.	2.	2.	-100.
5800.	5800.	2.	2.	-100.
6000.	6000.	2.	2.	-100.
6200.	6200.	1.	1.	-100.
6400.	6400.	1.	1.	-100.
6575.	6575.	1.	1.	60.
6600.	6600.	1.	1.	-100.
6800.	6800.	1.	1.	-100.
7000.	7000.	1.	1.	-100.
7200.	7200.	1.	1.	-100.
7400.	7400.	0.	0.	-100.
7600.	7600.	0.	0.	-100.
7800.	7800.	0.	0.	-100.
8000.	8000.	0.	0.	-100.
8200.	8200.	-1.	-1.	-100.
8400.	8400.	-1.	-1.	-100.
8520.	8520.	-1.	-1.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL TOP	***** BOTTOM
8.75	2514.	8520.

WELL: BIA 1 RD  
 LOCATION: 1797695E 408771N  
 SURFACE ELEVATION: 2158.  
 CASING SHOE: 2514.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	12.	6.	-100.
400.	402.	22.	11.	-100.
600.	602.	29.	15.	-100.
800.	802.	34.	18.	-100.
1000.	1002.	36.	20.	-100.
1200.	1202.	36.	20.	-100.
1400.	1402.	34.	19.	-100.
1600.	1602.	29.	17.	-100.
1800.	1801.	22.	14.	-100.
2000.	2000.	12.	10.	-100.
2200.	2199.	0.	5.	-100.
2400.	2398.	-14.	-2.	-100.
2514.	2512.	-24.	-6.	-10.
2600.	2597.	-31.	-10.	-100.
2800.	2795.	-51.	-19.	-100.
3000.	2994.	-72.	-29.	-100.
3081.	3074.	-82.	-33.	0.
3200.	3193.	-100.	-35.	-100.
3400.	3390.	-126.	-49.	-100.
3473.	3462.	-134.	-57.	0.
3600.	3586.	-147.	-79.	-100.
3800.	3780.	-163.	-120.	-100.
4000.	3973.	-174.	-169.	-100.
4035.	4006.	-175.	-179.	0.
4200.	4163.	-173.	-231.	-100.
4400.	4352.	-174.	-297.	-100.
4531.	4474.	-177.	-343.	0.
4600.	4539.	-183.	-367.	-100.
4800.	4724.	-196.	-441.	-100.
5000.	4906.	-207.	-521.	-100.
5067.	4967.	-210.	-549.	0.
5200.	5087.	-211.	-607.	-100.
5400.	5265.	-215.	-699.	-100.
5541.	5388.	-220.	-767.	0.
5600.	5436.	-220.	-803.	-100.
5800.	5602.	-227.	-917.	-100.
6000.	5773.	-243.	-1017.	-100.
6077.	5840.	-252.	-1052.	0.
6200.	5950.	-273.	-1105.	-100.
6400.	6131.	-309.	-1179.	-100.
6508.	6230.	-330.	-1214.	0.
6600.	6315.	-349.	-1241.	-100.
6800.	6504.	-392.	-1290.	-100.
7000.	6695.	-439.	-1326.	-100.
7088.	6781.	-461.	-1339.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
8.75	2514.	7088.

WELL: BIA 2 OH  
 LOCATION: 1797614E 410352N  
 SURFACE ELEVATION: 2322.  
 CASING SHOE: 6155.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: DRY HOLE-NEVER TESTED. FORMER NAME B&R UNIT.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	1.	-100.
400.	400.	1.	3.	-100.
600.	600.	2.	4.	-100.
800.	800.	4.	6.	-100.
1000.	1000.	5.	7.	-100.
1048.	1048.	5.	8.	0.
1200.	1200.	9.	10.	-100.
1400.	1400.	13.	13.	-100.
1600.	1600.	15.	14.	-100.
1800.	1800.	16.	15.	-100.
2000.	2000.	15.	15.	-100.
2065.	2065.	15.	15.	0.
2200.	2200.	12.	16.	-100.
2400.	2399.	8.	16.	-100.
2600.	2599.	3.	14.	-100.
2800.	2798.	-3.	9.	-100.
2990.	2988.	-9.	2.	0.
3000.	2992.	-9.	2.	-100.
3200.	3191.	-18.	-12.	-100.
3400.	3391.	-27.	-26.	-100.
3600.	3590.	-35.	-40.	-100.
3800.	3789.	-43.	-54.	-100.
4000.	3989.	-51.	-68.	-100.
4007.	4002.	-52.	-69.	0.
4200.	4194.	-61.	-85.	-100.
4400.	4394.	-69.	-100.	-100.
4600.	4593.	-76.	-115.	-100.
4800.	4792.	-83.	-129.	-100.
5000.	4992.	-88.	-141.	-100.
5025.	5017.	-89.	-143.	0.
5200.	5192.	-85.	-151.	-100.
5400.	5392.	-83.	-161.	-100.
5600.	5591.	-85.	-170.	-100.
5800.	5791.	-89.	-180.	-100.
6000.	5990.	-96.	-191.	-100.
6042.	6032.	-98.	-193.	0.
6155.	6145.	-104.	-198.	-10.
6200.	6190.	-106.	-200.	-100.
6400.	6390.	-119.	-211.	-100.
6600.	6589.	-135.	-222.	-100.
6800.	6787.	-154.	-234.	-100.
6934.	6920.	-169.	-243.	0.
7000.	6985.	-180.	-249.	-100.
7200.	7181.	-212.	-268.	-100.
7400.	7377.	-244.	-285.	-100.
7600.	7574.	-276.	-301.	-100.
7800.	7771.	-308.	-316.	-100.
8000.	7968.	-340.	-329.	-100.
8050.	8017.	-348.	-332.	0.
8200.	8167.	-371.	-339.	-100.
8400.	8365.	-402.	-348.	-100.
8600.	8563.	-433.	-357.	-100.
8800.	8759.	-465.	-365.	-100.
9000.	8955.	-497.	-374.	-100.
9002.	8957.	-497.	-374.	0.
9200.	9150.	-529.	-382.	-100.
9400.	9344.	-561.	-391.	-100.
9600.	9536.	-594.	-399.	-100.
9800.	9728.	-627.	-407.	-100.
10000.	9919.	-660.	-415.	-100.
10005.	9924.	-661.	-415.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL BOTTOM	*****
8.75	6155.	9367.	
8.50	9367.	10005.	

WELL: BIA 2  
 LOCATION: 1797614E 410352N  
 SURFACE ELEVATION: 2322.  
 CASING SHOE: 6155.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: PLUGGED ORIGINAL HOLE AND KICKED OFF NEW HOLE AT 6248'. USED AS DISPOSAL WELL. FORMER NAME B&R UNIT RD1.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	1.	-100.
400.	400.	1.	3.	-100.
600.	600.	2.	4.	-100.
800.	800.	4.	6.	-100.
1000.	1000.	5.	7.	-100.
1048.	1048.	5.	8.	0.
1200.	1200.	9.	10.	-100.
1400.	1400.	13.	13.	-100.
1600.	1600.	15.	14.	-100.
1800.	1800.	16.	15.	-100.
2000.	2000.	15.	15.	-100.
2065.	2065.	15.	15.	0.
2200.	2200.	12.	16.	-100.
2400.	2399.	8.	16.	-100.
2600.	2599.	3.	14.	-100.
2800.	2798.	-3.	9.	-100.
2990.	2988.	-9.	2.	0.
3000.	2992.	-9.	2.	-100.
3200.	3191.	-18.	-12.	-100.
3400.	3391.	-27.	-26.	-100.
3600.	3590.	-35.	-40.	-100.
3800.	3789.	-43.	-54.	-100.
4000.	3989.	-51.	-68.	-100.
4007.	4002.	-52.	-69.	0.
4200.	4194.	-61.	-85.	-100.
4400.	4394.	-69.	-100.	-100.
4600.	4593.	-76.	-115.	-100.
4800.	4792.	-83.	-129.	-100.
5000.	4992.	-88.	-141.	-100.
5025.	5017.	-89.	-143.	0.
5200.	5191.	-86.	-151.	-100.
5400.	5391.	-85.	-161.	-100.
5600.	5590.	-86.	-171.	-100.
5800.	5790.	-90.	-181.	-100.
6000.	5990.	-97.	-191.	-100.
6042.	6032.	-98.	-193.	0.
6155.	6145.	-103.	-199.	-10.
6157.	6147.	-103.	-199.	0.
6200.	6190.	-106.	-200.	-100.
6400.	6390.	-111.	-197.	-100.
6513.	6502.	-108.	-189.	0.
6600.	6589.	-100.	-175.	-100.
6800.	6784.	-75.	-138.	-100.
7000.	6976.	-41.	-94.	-100.
7018.	6993.	-38.	-90.	0.
7200.	7157.	18.	-34.	-100.
7400.	7336.	79.	28.	-100.
7600.	7516.	140.	92.	-100.
7619.	7533.	145.	98.	40.
7800.	7695.	200.	157.	-100.
8000.	7873.	260.	223.	-100.
8029.	7899.	269.	233.	0.
8200.	8050.	322.	293.	-100.
8310.	8148.	355.	331.	1.
8400.	8228.	382.	363.	-100.
8600.	8405.	442.	433.	-100.
8800.	8583.	500.	504.	-100.
9000.	8761.	558.	576.	-100.
9068.	8821.	577.	600.	0.
9200.	8938.	614.	647.	-100.
9400.	9116.	669.	720.	-100.
9600.	9295.	723.	793.	-100.
9800.	9473.	777.	866.	-100.
9920.	9580.	808.	910.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP *****	***** BOTTOM *****
8.75	6155.	9920.	

WELL: BIA 3  
 LOCATION: 1794042E 405884N  
 SURFACE ELEVATION: 2534.  
 CASING SHOE: 4007.  
 FLOWRATE (KLBS/HR): 146.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	29.	1.	-100.
400.	400.	53.	3.	-100.
600.	599.	70.	5.	-100.
800.	799.	81.	6.	-100.
1000.	999.	87.	8.	-100.
1035.	1034.	87.	9.	0.
1200.	1199.	73.	8.	-100.
1400.	1399.	58.	8.	-100.
1600.	1599.	44.	10.	-100.
1800.	1799.	31.	14.	-100.
2000.	1999.	20.	19.	-100.
2066.	2065.	17.	21.	0.
2200.	2201.	-4.	21.	-100.
2400.	2403.	-25.	26.	-100.
2600.	2602.	-33.	35.	-100.
2800.	2800.	-29.	49.	-100.
3000.	2996.	-11.	68.	-100.
3004.	3000.	-11.	68.	0.
3200.	3256.	35.	97.	-100.
3400.	3473.	87.	128.	-100.
3600.	3657.	146.	163.	-100.
3800.	3815.	212.	199.	-100.
4000.	3951.	284.	238.	-100.
4007.	3955.	287.	240.	0.
4007.	3955.	287.	240.	-10.
4066.	3991.	310.	252.	0.
4200.	4111.	368.	280.	-100.
4400.	4286.	458.	324.	-100.
4600.	4454.	554.	372.	-100.
4679.	4519.	593.	392.	-3.
4745.	4573.	626.	409.	-3.
4800.	4617.	654.	424.	-100.
5000.	4774.	761.	479.	-100.
5003.	4776.	762.	480.	0.
5200.	4919.	883.	543.	-100.
5400.	5062.	1007.	608.	-100.
5600.	5203.	1131.	675.	-100.
5800.	5342.	1256.	744.	-100.
6000.	5480.	1382.	816.	-100.
6032.	5502.	1402.	827.	0.
6200.	5612.	1512.	890.	-100.
6400.	5744.	1642.	966.	-100.
6600.	5876.	1770.	1044.	-100.
6800.	6009.	1897.	1123.	-100.
7000.	6142.	2022.	1203.	-100.
7007.	6147.	2027.	1206.	0.
7200.	6283.	2143.	1281.	-100.
7400.	6421.	2264.	1361.	-100.
7600.	6556.	2384.	1445.	-100.
7800.	6689.	2505.	1532.	-100.
8000.	6820.	2626.	1622.	-100.
8089.	6877.	2680.	1663.	0.
8171.	6926.	2734.	1703.	10.
8200.	6943.	2752.	1717.	-100.
8400.	7063.	2879.	1815.	-100.
8600.	7184.	3002.	1915.	-100.
8800.	7308.	3120.	2018.	-100.
8860.	7345.	3155.	2049.	10.
8875.	7354.	3164.	2057.	10.
8890.	7364.	3173.	2065.	5.
8898.	7369.	3177.	2069.	5.
9000.	7433.	3235.	2123.	-100.
9053.	7466.	3265.	2151.	0.
9200.	7559.	3347.	2230.	-100.
9326.	7640.	3415.	2299.	32.
9385.	7678.	3446.	2331.	0.

OPEN HOLE DESCRIPTION

\*\*\*\*\* INTERVAL \*\*\*\*\*  
 SIZE (IN) TOP BOTTOM  
 8.75 4007. 9385.

WELL: D&V 1  
 LOCATION: 1794027E 403893N  
 SURFACE ELEVATION: 2918.  
 CASING SHOE: 2501.  
 FLOWRATE (KLBS/HR): 110.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	12.	-9.	-100.
400.	402.	21.	-17.	-100.
600.	602.	29.	-23.	-100.
800.	803.	35.	-28.	-100.
1000.	1003.	38.	-31.	-100.
1200.	1203.	40.	-32.	-100.
1400.	1403.	40.	-31.	-100.
1600.	1603.	38.	-29.	-100.
1800.	1803.	34.	-26.	-100.
2000.	2002.	28.	-20.	-100.
2200.	2202.	20.	-13.	-100.
2400.	2401.	11.	-4.	-100.
2501.	2501.	5.	1.	-10.
2566.	2566.	1.	4.	0.
2600.	2600.	0.	9.	-100.
2800.	2799.	-13.	24.	-100.
2908.	2906.	-23.	25.	0.
2960.	2958.	-29.	23.	1.
3000.	2997.	-33.	21.	-100.
3033.	3030.	-37.	19.	0.
3200.	3199.	-65.	-10.	-100.
3400.	3398.	-101.	-47.	-100.
3600.	3592.	-142.	-89.	-100.
3800.	3783.	-188.	-135.	-100.
3815.	3797.	-191.	-139.	50.
3950.	3923.	-224.	-173.	50.
4000.	3969.	-237.	-186.	-100.
4024.	3991.	-243.	-192.	0.
4200.	4145.	-296.	-248.	-100.
4400.	4319.	-357.	-311.	-100.
4600.	4494.	-419.	-375.	-100.
4800.	4668.	-484.	-439.	-100.
5000.	4843.	-550.	-503.	-100.
5010.	4852.	-553.	-506.	12.
5025.	4865.	-558.	-511.	0.
5200.	5014.	-631.	-573.	-100.
5400.	5185.	-711.	-642.	-100.
5600.	5359.	-784.	-708.	-100.
5800.	5535.	-853.	-772.	-100.
6000.	5714.	-917.	-833.	-100.
6170.	5867.	-968.	-883.	0.
6200.	5894.	-977.	-894.	-100.
6400.	6077.	-1035.	-959.	-100.
6600.	6262.	-1086.	-1016.	-100.
6800.	6450.	-1130.	-1063.	-100.
7000.	6640.	-1167.	-1101.	-100.
7004.	6644.	-1168.	-1102.	0.
7028.	6667.	-1172.	-1106.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
8.75	2501.	7028.

WELL: D&V 2  
 LOCATION: 1792408E 402752N  
 SURFACE ELEVATION: 3377.  
 CASING SHOE: 3012.  
 FLOWRATE (KLBS/HR): 276.

COMMENTS: WORKED OVER AND DEEPENED 4564' TO 6336' DUE TO DECLINE. DRILLED SCALE OUT OF SHOE.  
 WELL RECOVERED.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-2.	4.	-100.
400.	400.	-2.	5.	-100.
600.	600.	1.	4.	-100.
601.	601.	1.	4.	0.
800.	800.	5.	1.	-100.
1000.	999.	13.	-5.	-100.
1155.	1154.	20.	-12.	0.
1200.	1199.	23.	-14.	-100.
1400.	1398.	36.	-25.	-100.
1532.	1530.	43.	-33.	0.
1600.	1598.	45.	-37.	-100.
1800.	1797.	52.	-49.	-100.
1943.	1940.	58.	-57.	10.
2000.	1997.	60.	-60.	-100.
2081.	2078.	63.	-64.	0.
2200.	2197.	73.	-70.	-100.
2400.	2396.	83.	-79.	-100.
2528.	2524.	85.	-84.	0.
2600.	2597.	83.	-88.	-100.
2800.	2796.	75.	-95.	-100.
3000.	2994.	62.	-97.	-100.
3012.	3006.	61.	-97.	-10.
3015.	3008.	60.	-97.	0.
3200.	3192.	38.	-88.	-100.
3400.	3391.	15.	-79.	-100.
3506.	3496.	4.	-75.	0.
3600.	3589.	-7.	-70.	-100.
3800.	3788.	-28.	-61.	-100.
4000.	3986.	-48.	-52.	-100.
4063.	4049.	-54.	-49.	0.
4200.	4185.	-67.	-43.	-100.
4270.	4255.	-74.	-40.	260.
4400.	4384.	-85.	-36.	-100.
4434.	4418.	-88.	-34.	0.
4600.	4583.	-99.	-29.	-100.
4800.	4783.	-113.	-24.	-100.
5000.	4982.	-129.	-19.	-100.
5019.	5001.	-130.	-19.	0.
5200.	5182.	-145.	-15.	-100.
5395.	5376.	-162.	-12.	0.
5400.	5381.	-163.	-12.	-100.
5600.	5580.	-184.	-7.	-100.
5800.	5778.	-207.	-3.	-100.
5859.	5837.	-214.	-3.	0.
6000.	5977.	-231.	-2.	-100.
6200.	6175.	-258.	-2.	-100.
6336.	6310.	-277.	-3.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP *****	***** BOTTOM *****
10.63		3012.	6336.

WELL: D&V 3  
 LOCATION: 1792193E 404271N  
 SURFACE ELEVATION: 3261.  
 CASING SHOE: 2838.  
 FLOWRATE (KLBS/HR): 155.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	5.	-3.	-100.
400.	400.	9.	-6.	-100.
471.	471.	10.	-7.	0.
600.	600.	10.	-8.	-100.
800.	800.	11.	-10.	-100.
1000.	1000.	12.	-14.	-100.
1091.	1091.	12.	-16.	0.
1200.	1202.	13.	-22.	-100.
1400.	1402.	14.	-33.	-100.
1600.	1602.	16.	-42.	-100.
1800.	1801.	18.	-50.	-100.
2000.	2001.	20.	-56.	-100.
2076.	2075.	21.	-58.	0.
2200.	2199.	33.	-60.	-100.
2400.	2399.	46.	-63.	-100.
2600.	2599.	51.	-65.	-100.
2800.	2799.	48.	-65.	-100.
2838.	2837.	47.	-64.	-10.
3000.	2998.	38.	-63.	-100.
3005.	3003.	37.	-63.	0.
3200.	3197.	17.	-60.	-100.
3400.	3395.	-7.	-56.	-100.
3450.	3445.	-13.	-55.	0.
3600.	3593.	-36.	-52.	-100.
3800.	3791.	-67.	-47.	-100.
4000.	3989.	-96.	-42.	-100.
4073.	4061.	-106.	-41.	0.
4200.	4187.	-124.	-37.	-100.
4400.	4385.	-150.	-32.	-100.
4600.	4584.	-176.	-27.	-100.
4800.	4782.	-201.	-22.	-100.
5000.	4980.	-225.	-18.	-100.
5062.	5042.	-232.	-17.	0.
5200.	5179.	-247.	-11.	-100.
5201.	5180.	-247.	-11.	100.
5400.	5378.	-268.	-4.	-100.
5600.	5577.	-288.	0.	-100.
5800.	5776.	-309.	1.	-100.
6000.	5974.	-328.	-1.	-100.
6059.	6033.	-334.	-2.	0.
6200.	6173.	-348.	-6.	-100.
6210.	6183.	-349.	-6.	40.
6400.	6372.	-366.	-14.	-100.
6600.	6570.	-385.	-25.	-100.
6800.	6769.	-403.	-38.	-100.
6935.	6903.	-415.	-49.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM *****
10.63	2838.	6935.

WELL: D&V 4  
 LOCATION: 1792419E 402735N  
 SURFACE ELEVATION: 3383.  
 CASING SHOE: 3448.  
 FLOWRATE (KLBS/HR): 253.

COMMENTS: FELSITE AT 5950.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	-3.	-100.
400.	400.	4.	-8.	-100.
491.	491.	6.	-11.	0.
600.	600.	10.	-17.	-100.
800.	800.	17.	-26.	-100.
1000.	999.	21.	-35.	-100.
1062.	1061.	22.	-37.	0.
1200.	1199.	28.	-46.	-100.
1400.	1399.	32.	-55.	-100.
1600.	1598.	28.	-62.	-100.
1690.	1688.	24.	-64.	-1.
1800.	1797.	18.	-66.	-100.
1865.	1862.	13.	-67.	-1.
2000.	1996.	0.	-67.	-100.
2071.	2066.	-8.	-67.	0.
2185.	2179.	-24.	-64.	-1.
2200.	2194.	-26.	-64.	-100.
2400.	2392.	-58.	-60.	-100.
2449.	2440.	-66.	-59.	0.
2600.	2589.	-94.	-54.	-100.
2732.	2718.	-119.	-51.	0.
2800.	2786.	-131.	-52.	-100.
3000.	2984.	-170.	-53.	-100.
3200.	3178.	-216.	-53.	-100.
3400.	3370.	-270.	-52.	-100.
3448.	3415.	-284.	-51.	-10.
3552.	3513.	-316.	-50.	0.
3600.	3557.	-335.	-48.	-100.
3800.	3740.	-414.	-42.	-100.
4000.	3922.	-496.	-36.	-100.
4200.	4103.	-579.	-30.	-100.
4378.	4263.	-655.	-23.	0.
4400.	4282.	-666.	-23.	-100.
4600.	4460.	-759.	-15.	-100.
4787.	4626.	-844.	-8.	5.
4800.	4638.	-850.	-7.	-100.
5000.	4818.	-937.	1.	-100.
5026.	4841.	-948.	3.	20.
5028.	4843.	-949.	3.	0.
5200.	5000.	-1018.	11.	-100.
5400.	5183.	-1099.	21.	-100.
5412.	5194.	-1104.	21.	5.
5459.	5237.	-1123.	23.	6.
5600.	5365.	-1181.	30.	0.
5726.	5481.	-1231.	36.	10.
5800.	5548.	-1261.	39.	-100.
5888.	5628.	-1298.	42.	23.
6000.	5729.	-1346.	47.	-100.
6066.	5788.	-1375.	49.	0.
6200.	5913.	-1429.	53.	-100.
6363.	6059.	-1503.	58.	5. F
6400.	6091.	-1521.	59.	-100.
6553.	6220.	-1600.	63.	10. F
6600.	6259.	-1627.	64.	-100.
6615.	6271.	-1635.	64.	0.
6758.	6385.	-1721.	67.	5. F
6800.	6417.	-1748.	67.	-100.
6826.	6437.	-1765.	68.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
17.50	3448.		3460.
12.25	3460.		6826.

WELL: DE 1  
 LOCATION: 1800879E 401670N  
 SURFACE ELEVATION: 1958.  
 CASING SHOE: 3369.  
 FLOWRATE (KLBS/HR): 210.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	19.	3.	-100.
400.	402.	37.	7.	-100.
600.	602.	54.	13.	-100.
800.	802.	69.	19.	-100.
1000.	1002.	83.	27.	-100.
1200.	1202.	96.	37.	-100.
1400.	1402.	107.	47.	-100.
1600.	1602.	117.	59.	-100.
1800.	1801.	126.	73.	-100.
2000.	2000.	133.	87.	-100.
2200.	2199.	139.	103.	-100.
2400.	2397.	144.	121.	-100.
2600.	2596.	147.	139.	-100.
2800.	2794.	149.	159.	-100.
3000.	2992.	150.	180.	-100.
3200.	3190.	150.	203.	-100.
3369.	3357.	148.	223.	0.
3369.	3357.	148.	223.	-10.
3400.	3388.	148.	227.	-100.
3600.	3584.	146.	256.	-100.
3800.	3782.	142.	282.	-100.
4000.	3979.	135.	308.	-100.
4055.	4033.	133.	315.	15.
4087.	4065.	131.	319.	0.
4104.	4082.	129.	321.	15.
4200.	4177.	119.	334.	-100.
4400.	4375.	100.	358.	-100.
4600.	4573.	83.	381.	-100.
4800.	4771.	67.	401.	-100.
5000.	4970.	53.	420.	-100.
5083.	5052.	48.	427.	0.
5200.	5169.	42.	435.	-100.
5400.	5368.	33.	447.	-100.
5434.	5402.	32.	449.	100.
5600.	5567.	25.	459.	-100.
5800.	5767.	18.	471.	-100.
5810.	5777.	17.	472.	20.
6000.	5966.	11.	482.	-100.
6018.	5984.	10.	483.	0.
6065.	6031.	8.	486.	160.
6200.	6166.	4.	493.	-100.
6285.	6250.	2.	497.	10.
6400.	6365.	-1.	503.	-100.
6402.	6367.	-1.	503.	10.
6442.	6407.	-2.	505.	10.
6600.	6565.	-6.	512.	-100.
6800.	6765.	-10.	521.	-100.
7000.	6964.	-14.	530.	-100.
7200.	7164.	-17.	538.	-100.
7400.	7364.	-19.	545.	-100.
7573.	7537.	-20.	551.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	TOP	***** INTERVAL *****	BOTTOM
8.75	3369.		7573.

WELL: DE 2  
 LOCATION: 1807147E 400265N  
 SURFACE ELEVATION: 2260.  
 CASING SHOE: 3385.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: NO DIRECTIONAL SURVEYS BELOW CSG DEPTH. DEVIATION SURVEYS SHOW STEADY INCREASE TO 13 DEGREES AT 8149'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-3.	-3.	-100.
400.	400.	-5.	-7.	-100.
600.	600.	-5.	-11.	-100.
800.	800.	-5.	-16.	-100.
1000.	1000.	-3.	-22.	-100.
1035.	1035.	-2.	-23.	0.
1200.	1199.	0.	-30.	-100.
1400.	1399.	4.	-38.	-100.
1600.	1599.	9.	-45.	-100.
1800.	1798.	15.	-53.	-100.
2000.	1998.	23.	-60.	-100.
2069.	2067.	25.	-62.	0.
2200.	2198.	32.	-66.	-100.
2400.	2397.	43.	-73.	-100.
2600.	2597.	53.	-79.	-100.
2800.	2796.	64.	-84.	-100.
3000.	2996.	75.	-90.	-100.
3009.	3005.	76.	-90.	0.
3200.	3195.	86.	-95.	-100.
3385.	3380.	97.	-100.	0.
3385.	3380.	97.	-100.	-10.
3400.	3395.	98.	-100.	-100.
3600.	3594.	109.	-105.	-100.
3800.	3794.	120.	-110.	-100.
4000.	3993.	132.	-115.	-100.
4200.	4193.	143.	-120.	-100.
4400.	4392.	154.	-125.	-100.
4600.	4592.	166.	-130.	-100.
4800.	4791.	177.	-135.	-100.
5000.	4991.	188.	-141.	-100.
5200.	5190.	200.	-146.	-100.
5400.	5390.	211.	-151.	-100.
5600.	5589.	222.	-156.	-100.
5800.	5789.	234.	-161.	-100.
6000.	5988.	245.	-166.	-100.
6200.	6188.	256.	-171.	-100.
6400.	6387.	268.	-176.	-100.
6404.	6391.	268.	-176.	30.
6600.	6586.	279.	-181.	-100.
6800.	6786.	290.	-186.	-100.
7000.	6985.	302.	-191.	-100.
7200.	7185.	313.	-196.	-100.
7400.	7384.	324.	-201.	-100.
7600.	7584.	336.	-206.	-100.
7800.	7783.	347.	-211.	-100.
8000.	7983.	358.	-216.	-100.
8023.	8006.	360.	-217.	30.
8200.	8182.	370.	-221.	-100.
8231.	8213.	371.	-222.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
8.75	3385.	8231.

WELL: DE 3  
 LOCATION: 1805361E 401201N  
 SURFACE ELEVATION: 1981.  
 CASING SHOE: 3927.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-5.	-2.	-100.
400.	400.	-10.	-2.	-100.
600.	600.	-15.	-1.	-100.
800.	800.	-19.	2.	-100.
1000.	1000.	-23.	5.	-100.
1029.	1029.	-24.	6.	0.
1200.	1200.	-29.	10.	-100.
1400.	1400.	-33.	17.	-100.
1600.	1600.	-37.	25.	-100.
1800.	1799.	-38.	34.	-100.
2000.	1999.	-38.	44.	-100.
2047.	2046.	-38.	46.	0.
2200.	2198.	-35.	59.	-100.
2400.	2398.	-32.	74.	-100.
2600.	2597.	-27.	89.	-100.
2800.	2797.	-20.	103.	-100.
3000.	2996.	-13.	116.	-100.
3064.	3060.	-11.	120.	0.
3200.	3197.	-3.	134.	-100.
3400.	3396.	8.	151.	-100.
3600.	3595.	19.	162.	-100.
3800.	3795.	29.	167.	-100.
3927.	3921.	35.	168.	-10.
3962.	3955.	36.	168.	0.
4000.	3993.	38.	166.	-100.
4200.	4192.	47.	154.	-100.
4400.	4392.	55.	141.	-100.
4600.	4591.	63.	127.	-100.
4800.	4790.	70.	112.	-100.
4900.	4890.	73.	104.	0.
5000.	4989.	75.	94.	-100.
5200.	5188.	79.	74.	-100.
5400.	5387.	84.	55.	-100.
5600.	5586.	89.	37.	-100.
5800.	5785.	94.	19.	-100.
5915.	5900.	97.	10.	0.
6000.	5985.	98.	3.	-100.
6200.	6184.	103.	-13.	-100.
6400.	6384.	109.	-28.	-100.
6600.	6583.	115.	-44.	-100.
6800.	6782.	122.	-59.	-100.
6888.	6870.	126.	-65.	0.
7000.	6977.	131.	-73.	-100.
7200.	7176.	141.	-87.	-100.
7400.	7376.	151.	-101.	-100.
7600.	7575.	162.	-115.	-100.
7800.	7774.	173.	-130.	-100.
7807.	7785.	173.	-131.	0.
7845.	7852.	176.	-134.	1.
8000.	8006.	186.	-147.	-100.
8200.	8205.	199.	-163.	-100.
8400.	8404.	210.	-179.	-100.
8600.	8603.	221.	-195.	-100.
8734.	8708.	228.	-206.	0.
8800.	8775.	221.	-211.	-100.
9000.	8978.	209.	-228.	-100.
9200.	9178.	211.	-244.	-100.
9400.	9376.	225.	-261.	-100.
9600.	9572.	252.	-277.	-100.
9660.	9630.	263.	-282.	0.
9800.	9765.	293.	-293.	-100.
10000.	9956.	348.	-310.	-100.
10200.	10145.	418.	-326.	-100.
10240.	10182.	434.	-329.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** BOTTOM
8.75	TOP	7885.
8.50	7885.	10240.

WELL: DE 4  
 LOCATION: 1800898E 401722N  
 SURFACE ELEVATION: 1985.  
 CASING SHOE: 3312.  
 FLOWRATE (KLBS/HR): 47.

COMMENTS: PB&RD'D BECAUSE NONCOMMER. DATA IN WELL FILES UNDER BARROWS 5.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	5.	-100.
400.	400.	1.	12.	-100.
600.	599.	3.	22.	-100.
800.	799.	4.	33.	-100.
1000.	998.	6.	47.	-100.
1049.	1047.	7.	51.	0.
1200.	1197.	14.	70.	-100.
1400.	1396.	19.	91.	-100.
1600.	1595.	18.	108.	-100.
1701.	1696.	15.	115.	0.
1800.	1794.	9.	120.	-100.
2000.	1993.	-4.	129.	-100.
2070.	2063.	-9.	133.	0.
2200.	2193.	-14.	139.	-100.
2400.	2393.	-24.	149.	-100.
2600.	2592.	-37.	158.	-100.
2800.	2791.	-53.	166.	-100.
3000.	2990.	-72.	174.	-100.
3018.	3008.	-74.	175.	0.
3200.	3189.	-93.	182.	-100.
3312.	3300.	-106.	186.	0.
3312.	3300.	-106.	186.	-10.
3400.	3412.	-118.	190.	-100.
3600.	3635.	-144.	198.	-100.
3698.	3731.	-157.	202.	12.
3800.	3823.	-170.	206.	-100.
4000.	3983.	-196.	215.	-100.
4009.	3990.	-198.	216.	0.
4200.	4049.	-219.	224.	-100.
4400.	4128.	-244.	234.	-100.
4600.	4224.	-270.	243.	-100.
4800.	4339.	-299.	254.	-100.
5000.	4478.	-329.	265.	-100.
5029.	4500.	-334.	267.	0.
5200.	4813.	-358.	275.	-100.
5247.	4893.	-365.	278.	18.
5400.	5140.	-390.	287.	-100.
5600.	5433.	-425.	300.	-100.
5800.	5700.	-465.	313.	-100.
6000.	5944.	-509.	328.	-100.
6045.	5996.	-519.	332.	0.
6200.	6144.	-561.	346.	-100.
6400.	6335.	-616.	364.	-100.
6600.	6526.	-673.	382.	-100.
6734.	6653.	-712.	395.	10.
6800.	6716.	-732.	401.	-100.
7000.	6906.	-792.	420.	-100.
7062.	6965.	-811.	426.	0.
7200.	7093.	-862.	439.	-100.
7400.	7281.	-931.	459.	-100.
7535.	7410.	-973.	472.	25.
7585.	7457.	-988.	477.	5.
7600.	7472.	-993.	478.	-100.
7632.	7502.	-1002.	482.	10.
7749.	7615.	-1035.	494.	0.
7800.	7664.	-1048.	499.	-100.
7885.	7747.	-1070.	507.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** BOTTOM
17.50	3312.	3328.
12.25	3328.	7727.
10.63	7727.	7885.

WELL: DE 5  
 LOCATION: 1802196E 400497N  
 SURFACE ELEVATION: 1766.  
 CASING SHOE: 4177.  
 FLOWRATE (KLBS/HR): 81.

COMMENTS: ENTRIES AT 8075' AND 8110' ARE QUESTIONABLE.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	7.	-100.
400.	400.	2.	13.	-100.
600.	600.	5.	19.	-100.
800.	800.	8.	23.	-100.
1000.	999.	13.	26.	-100.
1006.	1005.	13.	26.	0.
1200.	1199.	17.	25.	-100.
1400.	1399.	23.	25.	-100.
1600.	1598.	31.	27.	-100.
1756.	1754.	38.	30.	0.
1800.	1798.	41.	31.	-100.
2000.	1998.	53.	39.	-100.
2200.	2197.	66.	47.	-100.
2400.	2396.	80.	54.	-100.
2510.	2506.	88.	59.	0.
2600.	2596.	97.	72.	-100.
2800.	2796.	116.	92.	-100.
3000.	2995.	135.	100.	-100.
3200.	3193.	152.	96.	-100.
3325.	3316.	162.	87.	0.
3400.	3390.	165.	76.	-100.
3600.	3587.	177.	43.	-100.
3800.	3782.	192.	2.	-100.
4000.	3974.	211.	-44.	-100.
4003.	3977.	211.	-45.	0.
4177.	4142.	234.	-96.	-10.
4200.	4164.	237.	-103.	-100.
4400.	4352.	264.	-166.	-100.
4600.	4538.	292.	-233.	-100.
4800.	4723.	320.	-304.	-100.
4812.	4734.	322.	-308.	0.
5000.	4903.	353.	-383.	-100.
5200.	5083.	385.	-464.	-100.
5400.	5263.	416.	-545.	-100.
5600.	5443.	445.	-628.	-100.
5662.	5499.	454.	-654.	0.
5800.	5624.	472.	-716.	-100.
5905.	5719.	486.	-762.	20.
5923.	5735.	488.	-770.	3.
5976.	5783.	495.	-793.	35.
5984.	5790.	496.	-797.	15.
6000.	5805.	499.	-804.	-100.
6200.	5986.	525.	-888.	-100.
6400.	6167.	550.	-970.	-100.
6412.	6178.	552.	-975.	0.
6600.	6349.	577.	-1043.	-100.
6800.	6532.	602.	-1116.	-100.
7000.	6714.	627.	-1192.	-100.
7200.	6895.	652.	-1268.	-100.
7259.	6949.	659.	-1291.	0.
7400.	7077.	676.	-1346.	-100.
7600.	7258.	699.	-1426.	-100.
7800.	7439.	722.	-1507.	-100.
8000.	7620.	744.	-1589.	-100.
8200.	7801.	766.	-1674.	-100.
8283.	7876.	775.	-1709.	0.
8400.	7982.	788.	-1757.	-100.
8415.	7995.	790.	-1763.	0.

E1   N   E  
 4017 400992 1,801,403

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM *****
12.25	4177.	7223.
10.63	7223.	8415.

WELL: DE 6  
 LOCATION: 1802216E 400509N  
 SURFACE ELEVATION: 1762.  
 CASING SHOE: 4190.  
 FLOWRATE (KLBS/HR): 149.

COMMENTS: DURING RIG TEST DE 1 FLOWRATE DROPPED FROM 135 TO 85 KLBS/HR.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-5.	16.	-100.
400.	400.	-2.	28.	-100.
600.	598.	10.	39.	-100.
647.	645.	14.	41.	0.
800.	798.	32.	45.	-100.
1000.	995.	62.	49.	-100.
1200.	1190.	100.	51.	-100.
1359.	1344.	137.	52.	0.
1400.	1383.	151.	50.	-100.
1600.	1571.	218.	43.	-100.
1800.	1760.	283.	39.	-100.
2000.	1949.	348.	38.	-100.
2079.	2024.	373.	39.	0.
2200.	2139.	416.	56.	-100.
2400.	2329.	482.	75.	-100.
2600.	2520.	542.	82.	-100.
2800.	2710.	596.	76.	-100.
2875.	2782.	615.	70.	0.
3000.	2902.	644.	49.	-100.
3200.	3093.	687.	12.	-100.
3400.	3285.	726.	-28.	-100.
3536.	3415.	749.	-57.	0.
3600.	3477.	757.	-70.	-100.
3800.	3670.	783.	-115.	-100.
4000.	3862.	808.	-164.	-100.
4190.	4044.	830.	-214.	-10.
4200.	4054.	831.	-216.	-100.
4232.	4084.	835.	-225.	0.
4400.	4243.	853.	-276.	-100.
4600.	4432.	874.	-337.	-100.
4800.	4620.	895.	-401.	-100.
5000.	4808.	915.	-466.	-100.
5047.	4852.	920.	-482.	0.
5200.	4995.	936.	-534.	-100.
5400.	5182.	956.	-604.	-100.
5600.	5368.	975.	-674.	-100.
5800.	5554.	995.	-746.	-100.
5825.	5577.	997.	-755.	0.
6000.	5742.	1009.	-814.	-100.
6060.	5799.	1014.	-835.	40.
6064.	5802.	1014.	-837.	70.
6200.	5929.	1026.	-886.	-100.
6400.	6112.	1045.	-962.	-100.
6600.	6293.	1066.	-1043.	-100.
6634.	6324.	1070.	-1057.	0.
6800.	6478.	1083.	-1125.	-100.
7000.	6656.	1107.	-1213.	-100.
7200.	6827.	1139.	-1310.	-100.
7357.	6956.	1171.	-1391.	0.
7400.	6991.	1181.	-1414.	-100.
7472.	7048.	1198.	-1454.	0.

*elev N E*  
 -4040 401,523 1,201,370

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	*****
	TOP	BOTTOM
12.25	4190.	6757.
10.63	6757.	7472.

WELL: DE 7  
 LOCATION: 1802238E 400522N  
 SURFACE ELEVATION: 1762.  
 CASING SHOE: 4138.  
 FLOWRATE (KLBS/HR): 94.

COMMENTS: KICKED OFF FROM 5206-3 AT 4168'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	27.	10.	-100.
400.	401.	44.	17.	-100.
600.	600.	53.	21.	-100.
800.	799.	53.	23.	-100.
1000.	997.	45.	22.	-100.
1011.	1008.	44.	22.	0.
1200.	1195.	12.	23.	-100.
1400.	1392.	-20.	19.	-100.
1600.	1588.	-52.	10.	-100.
1800.	1785.	-83.	-6.	-100.
1845.	1829.	-90.	-10.	0.
2000.	1981.	-124.	-27.	-100.
2200.	2177.	-159.	-53.	-100.
2400.	2373.	-185.	-85.	-100.
2600.	2567.	-202.	-123.	-100.
2646.	2612.	-205.	-132.	0.
2800.	2761.	-204.	-169.	-100.
3000.	2955.	-201.	-219.	-100.
3200.	3147.	-195.	-272.	-100.
3376.	3316.	-187.	-320.	0.
3400.	3339.	-186.	-327.	-100.
3600.	3530.	-174.	-386.	-100.
3750.	3673.	-164.	-429.	0.
3800.	3721.	-162.	-446.	-100.
4000.	3912.	-148.	-505.	-100.
4138.	4045.	-135.	-538.	-10.
4168.	4074.	-132.	-544.	0.
4200.	4105.	-128.	-551.	-100.
4400.	4300.	-100.	-583.	-100.
4530.	4427.	-82.	-595.	0.
4600.	4496.	-72.	-590.	-100.
4800.	4694.	-44.	-574.	-100.
5000.	4891.	-16.	-557.	-100.
5200.	5088.	13.	-538.	-100.
5246.	5133.	19.	-534.	0.
5400.	5285.	39.	-515.	-100.
5600.	5481.	68.	-492.	-100.
5800.	5677.	99.	-470.	-100.
6000.	5873.	133.	-449.	0.
6200.	6068.	171.	-430.	-100.
6400.	6263.	212.	-411.	-100.
6600.	6458.	255.	-393.	-100.
6763.	6616.	291.	-378.	0.
6800.	6652.	300.	-375.	-100.
7000.	6846.	347.	-357.	-100.
7146.	6987.	382.	-345.	0.
7200.	7039.	395.	-340.	-100.
7346.	7180.	431.	-328.	25.
7395.	7228.	443.	-324.	10.
7400.	7233.	444.	-324.	-100.
7416.	7248.	448.	-322.	30.
7437.	7268.	453.	-321.	5.
7445.	7276.	455.	-320.	10.
7600.	7426.	493.	-307.	-100.
7730.	7551.	526.	-297.	0.

*Flow N E*  
 -5638 400,966 1,801,914

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM *****
9.88	4138.	7730.

WELL: DE 8  
 LOCATION: 1802260E 400534N  
 SURFACE ELEVATION: 1766.  
 CASING SHOE: 4285.  
 FLOWRATE (KLBS/HR): 94.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-5.	-35.	-100.
400.	400.	-8.	-55.	-100.
600.	599.	-10.	-63.	-100.
800.	798.	-10.	-56.	-100.
889.	887.	-9.	-49.	0.
1000.	997.	-3.	-12.	-100.
1200.	1196.	4.	46.	-100.
1400.	1394.	9.	92.	-100.
1600.	1593.	11.	127.	-100.
1678.	1671.	12.	137.	0.
1800.	1792.	8.	141.	-100.
2000.	1991.	3.	147.	-100.
2200.	2191.	-2.	151.	-100.
2400.	2391.	-8.	154.	-100.
2424.	2416.	-8.	154.	0.
2600.	2592.	-21.	151.	-100.
2800.	2792.	-31.	149.	-100.
3000.	2992.	-34.	149.	-100.
3200.	3191.	-31.	151.	-100.
3237.	3228.	-30.	152.	0.
3400.	3390.	-22.	155.	-100.
3600.	3589.	-7.	162.	-100.
3800.	3787.	15.	170.	-100.
3990.	3974.	41.	181.	0.
4000.	3984.	43.	182.	-100.
4200.	4181.	84.	202.	-100.
4285.	4265.	102.	210.	-10.
4400.	4378.	127.	220.	-100.
4600.	4573.	171.	237.	-100.
4800.	4768.	218.	252.	-100.
4819.	4786.	222.	253.	0.
5000.	4959.	269.	266.	-100.
5024.	4982.	275.	267.	50 ✓
5200.	5150.	319.	278.	-100.
5400.	5342.	370.	288.	-100.
5445.	5385.	381.	290.	15 ✓
5600.	5534.	420.	296.	-100.
5690.	5621.	442.	299.	0.
5800.	5728.	466.	301.	-100.
6000.	5923.	513.	304.	-100.
6200.	6117.	562.	306.	-100.
6400.	6310.	613.	308.	-100.
6421.	6330.	619.	308.	0.
6600.	6502.	670.	307.	-100.
6800.	6693.	728.	307.	-100.
7000.	6884.	787.	307.	-100.
7180.	7056.	842.	307.	0.
7200.	7075.	848.	307.	-100.
7400.	7266.	908.	307.	-100.
7600.	7456.	971.	308.	-100.
7800.	7645.	1036.	310.	-100.
7984.	7818.	1098.	313.	0.
8000.	7833.	1104.	313.	-100.
8200.	8020.	1175.	319.	-100.
8400.	8206.	1247.	324.	-100.
8472.	8273.	1273.	326.	0.
8598.	8390. -6729	1319.	330.	10 ✓
8600.	8392.	1320.	330.	-100.
8660.	8448. -6752	1342.	331.	8 ✓
8680.	8466. -6700	1350.	332.	3 ✓
8768.	8548.	1382.	334.	0.
8800.	8577.	1394.	335.	-100.
9000.	8762.	1470.	341.	-100.
9159.	8909.	1531.	346.	0.
9200.	8947. -7181	1546.	347.	0.

Elev      N      E  
 4227      401096      1802566

OPEN HOLE DESCRIPTION

SIZE (IN)	TOP	INTERVAL	BOTTOM
12.25	4285.		8037.

WELL: DE 9  
 LOCATION: 1801273E 399705N  
 SURFACE ELEVATION: 1948.  
 CASING SHOE: 4439.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: SPUD 8/20/90. DRY HOLE. PLUG BACK TO 4439' FOR REDRILL-10/15/90.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	-2.	-100.
400.	400.	5.	-1.	-100.
600.	600.	11.	1.	-100.
800.	800.	20.	6.	-100.
1000.	999.	32.	13.	-100.
1004.	1003.	32.	13.	0.
1200.	1198.	46.	23.	-100.
1400.	1397.	63.	35.	-100.
1600.	1595.	83.	47.	-100.
1800.	1793.	104.	61.	-100.
1922.	1914.	118.	70.	0.
2000.	1991.	127.	80.	-100.
2200.	2190.	152.	104.	-100.
2400.	2387.	179.	123.	-100.
2600.	2584.	209.	138.	-100.
2800.	2781.	242.	147.	-100.
2883.	2862.	257.	150.	0.
3000.	2978.	277.	155.	-100.
3200.	3174.	315.	158.	-100.
3400.	3369.	356.	153.	-100.
3600.	3562.	402.	142.	-100.
3720.	3677.	432.	131.	0.
3800.	3752.	456.	117.	-100.
4000.	3941.	514.	86.	-100.
4200.	4131.	570.	57.	-100.
4275.	4202.	590.	47.	0.
4400.	4321.	623.	32.	-100.
4425.	4345.	630.	29.	0.
4439.	4359.	633.	27.	-10.
4600.	4513.	676.	6.	-100.
4621.	4533.	682.	3.	0.
4800.	4697.	748.	-24.	-100.
5000.	4877.	827.	-55.	-100.
5200.	5054.	911.	-88.	-100.
5400.	5229.	1000.	-121.	-100.
5485.	5302.	1039.	-136.	0.
5600.	5397.	1100.	-156.	-100.
5800.	5563.	1206.	-192.	-100.
6000.	5730.	1310.	-229.	-100.
6200.	5897.	1413.	-267.	-100.
6262.	5949.	1445.	-279.	0.
6400.	6065.	1514.	-307.	-100.
6600.	6234.	1614.	-348.	-100.
6800.	6402.	1713.	-389.	-100.
7000.	6571.	1813.	-430.	-100.
7005.	6575.	1815.	-431.	0.
7200.	6739.	1912.	-472.	-100.
7400.	6908.	2011.	-514.	-100.
7510.	7000.	2065.	-537.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
12.25	4439.	7220.
10.63	7220.	7510.

WELL: DE9R1  
 LOCATION: 1801273E 399705N  
 SURFACE ELEVATION: 1948.  
 CASING SHOE: 4439.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: 10/16/90 BEGIN RD1. DRY HOLE. PLUG BACK TO 4267 FOR RD2.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	-2.	-100.
400.	400.	5.	-1.	-100.
600.	600.	11.	1.	-100.
800.	800.	20.	6.	-100.
1000.	999.	32.	13.	-100.
1004.	1003.	32.	13.	0.
1200.	1198.	46.	23.	-100.
1400.	1397.	63.	35.	-100.
1600.	1595.	83.	47.	-100.
1800.	1793.	104.	61.	-100.
1922.	1914.	118.	70.	0.
2000.	1991.	127.	80.	-100.
2200.	2190.	152.	104.	-100.
2400.	2387.	179.	123.	-100.
2600.	2584.	209.	138.	-100.
2800.	2781.	242.	147.	-100.
2883.	2862.	257.	150.	0.
3000.	2978.	277.	155.	-100.
3200.	3174.	315.	158.	-100.
3400.	3369.	356.	153.	-100.
3600.	3562.	402.	142.	-100.
3720.	3677.	432.	131.	0.
3800.	3752.	456.	117.	-100.
4000.	3941.	514.	86.	-100.
4200.	4131.	570.	57.	-100.
4275.	4202.	590.	47.	0.
4400.	4321.	624.	32.	-100.
4425.	4345.	630.	29.	0.
4439.	4359.	633.	27.	-10.
4600.	4516.	663.	12.	-100.
4800.	4713.	696.	-7.	-100.
4913.	4824.	713.	-17.	0.
5000.	4910.	722.	-23.	-100.
5200.	5109.	744.	-37.	-100.
5400.	5307.	764.	-51.	-100.
5600.	5505.	784.	-65.	-100.
5657.	5562.	790.	-69.	0.
5800.	5704.	804.	-79.	-100.
6000.	5902.	824.	-93.	-100.
6200.	6100.	842.	-108.	-100.
6400.	6299.	859.	-124.	-100.
6401.	6300.	859.	-124.	0.
6600.	6498.	871.	-141.	-100.
6800.	6697.	884.	-158.	-100.
7000.	6896.	898.	-176.	-100.
7200.	7095.	914.	-195.	-100.
7273.	7167.	920.	-202.	0.
7400.	7293.	932.	-215.	-100.
7600.	7491.	951.	-236.	-100.
7800.	7689.	971.	-257.	-100.
8000.	7887.	991.	-278.	-100.
8054.	7940.	997.	-283.	0.
8200.	8084.	1013.	-298.	-100.
8400.	8282.	1035.	-318.	-100.
8600.	8480.	1058.	-337.	-100.
8800.	8678.	1081.	-357.	-100.
8940.	8816.	1098.	-370.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
12.25	4439.	8940.

WELL: DE9R2  
 LOCATION: 1801273E 399705N  
 SURFACE ELEVATION: 1948.  
 CASING SHOE: 4439.  
 FLOWRATE (KLBS/HR): 23.

COMMENTS: 11/27/90 PLUG BACK TO FORK HOLE. FLOW REPORTED IS AT 160 PSI.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	-2.	-100.
400.	400.	5.	-1.	-100.
600.	600.	11.	1.	-100.
800.	800.	20.	6.	-100.
1000.	999.	32.	13.	-100.
1004.	1003.	32.	13.	0.
1200.	1198.	46.	23.	-100.
1400.	1397.	63.	35.	-100.
1600.	1595.	83.	47.	-100.
1800.	1793.	104.	61.	-100.
1922.	1914.	118.	70.	0.
2000.	1991.	127.	80.	-100.
2200.	2190.	152.	104.	-100.
2400.	2387.	179.	123.	-100.
2600.	2584.	209.	138.	-100.
2800.	2781.	242.	147.	-100.
2883.	2862.	257.	150.	0.
3000.	2978.	277.	155.	-100.
3200.	3174.	315.	158.	-100.
3400.	3369.	356.	153.	-100.
3600.	3562.	402.	142.	-100.
3720.	3677.	432.	131.	0.
3800.	3752.	456.	117.	-100.
4000.	3941.	514.	86.	-100.
4200.	4131.	570.	57.	-100.
4275.	4202.	590.	47.	0.
4400.	4321.	623.	31.	-100.
4425.	4345.	630.	29.	0.
4439.	4359.	634.	28.	-10.
4600.	4514.	676.	24.	-100.
4800.	4707.	728.	25.	-100.
4852.	4757.	742.	26.	0.
5000.	4899.	781.	38.	-100.
5200.	5091.	833.	54.	-100.
5400.	5284.	886.	70.	-100.
5421.	5304.	891.	72.	0.
5600.	5476.	937.	87.	-100.
5800.	5669.	989.	102.	-100.
6000.	5861.	1042.	117.	-100.
6066.	5924.	1060.	122.	0.
6200.	6053.	1096.	132.	-100.
6400.	6245.	1151.	146.	-100.
6517.	6357.	1184.	154.	30. } Steam
6524.	6363.	1186.	155.	35. }
6600.	6436.	1208.	160.	-100.
6800.	6627.	1267.	172.	-100.
6878.	6701.	1290.	177.	0.
7000.	6817.	1327.	183.	-100.
7200.	7007.	1389.	193.	-100.
7400.	7196.	1453.	204.	-100.
7491.	7282.	1483.	209.	0.
7600.	7386.	1517.	215.	-100.
7800.	7575.	1583.	226.	-100.
8000.	7761.	1652.	239.	-100.
8200.	7947.	1726.	254.	-100.
8219.	7964.	1733.	255.	0.
8400.	8130.	1803.	269.	-100.
8600.	8311.	1885.	287.	-100.
8800.	8491.	1970.	305.	-100.
8837.	8524.	1987.	309.	7. - steam
8995.	8664.	2058.	325.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	*****
	TOP	BOTTOM
12.25	4439.	4878.

WELL: DE9R3  
 LOCATION: 1801273E 399705N  
 SURFACE ELEVATION: 1948.  
 CASING SHOE: 4328.  
 FLOWRATE (KLBS/HR): 61.

COMMENTS: MILLED WINDOW 4295'-4328' TO DRILL FORKED HOLE. BEGIN RD 12/2/90  
 TD 1/7/91

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	-2.	-100.
400.	400.	5.	-1.	-100.
600.	600.	11.	1.	-100.
800.	800.	20.	6.	-100.
1000.	999.	32.	13.	-100.
1004.	1003.	32.	13.	0.
1200.	1198.	46.	23.	-100.
1400.	1397.	63.	35.	-100.
1600.	1595.	83.	47.	-100.
1800.	1793.	104.	61.	-100.
1922.	1914.	118.	70.	0.
2000.	1991.	127.	80.	-100.
2200.	2190.	152.	104.	-100.
2400.	2387.	179.	123.	-100.
2600.	2584.	209.	138.	-100.
2800.	2781.	242.	147.	-100.
2883.	2862.	257.	150.	0.
3000.	2978.	277.	155.	-100.
3200.	3174.	315.	158.	-100.
3400.	3369.	356.	153.	-100.
3600.	3562.	402.	142.	-100.
3720.	3677.	432.	131.	0.
3800.	3753.	454.	117.	-100.
4000.	3942.	510.	84.	-100.
4200.	4131.	568.	56.	-100.
4275.	4202.	590.	47.	0.
4328.	4252.	606.	40.	-10.
4400.	4320.	628.	32.	-100.
4463.	4380.	647.	28.	0.
4600.	4511.	692.	33.	-100.
4800.	4702.	747.	51.	-100.
4991.	4885.	786.	80.	0.
5000.	4894.	787.	83.	-100.
5200.	5084.	805.	137.	-100.
5400.	5275.	822.	192.	-100.
5572.	5440.	835.	240.	0.
5600.	5467.	837.	248.	-100.
5800.	5658.	848.	306.	-100.
6000.	5850.	860.	362.	-100.
6126.	5971.	868.	396.	0.
6200.	6042.	873.	415.	-100.
6400.	6235.	887.	466.	-100.
6600.	6428.	902.	516.	-100.
6787.	6609.	917.	562.	3.
6800.	6622.	918.	565.	-100.
6996.	6811.	934.	612.	0.
7000.	6815.	934.	613.	-100.
7080.	6892.	941.	633.	30.
7200.	7008.	950.	661.	-100.
7400.	7202.	968.	707.	-100.
7600.	7396.	987.	752.	-100.
7739.	7531.	1001.	781.	0.
7800.	7590.	1008.	794.	-100.
8000.	7785.	1030.	835.	-100.
8171.	7952.	1050.	867.	14.
8200.	7980.	1053.	872.	-100.
8245.	8024.	1058.	880.	0.
8400.	8176.	1076.	906.	-100.
8600.	8372.	1098.	937.	-100.
8800.	8569.	1121.	964.	0.

← Steam

— Steam

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
12.25	4295.	5336.
10.63	5336.	8800.

WELL: DE 4 (NAT)  
 LOCATION: 1802890E 400050N  
 SURFACE ELEVATION: 1890.  
 CASING SHOE: 5335.  
 FLOWRATE (KLBS/HR): 17.

COMMENTS: STEAM ENTRY AT 7007' INITIALLY 106 PSI, BLED TO 9 PSI.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	6.	2.	-100.
400.	400.	16.	7.	-100.
600.	599.	29.	15.	-100.
752.	750.	41.	24.	0.
800.	798.	46.	28.	-100.
1000.	996.	69.	44.	-100.
1200.	1193.	92.	64.	-100.
1373.	1364.	112.	83.	0.
1400.	1391.	115.	87.	-100.
1600.	1587.	138.	116.	-100.
1800.	1783.	161.	145.	-100.
2000.	1980.	186.	175.	-100.
2130.	2107.	202.	195.	0.
2200.	2175.	213.	206.	-100.
2400.	2370.	242.	238.	-100.
2600.	2566.	271.	270.	-100.
2800.	2761.	298.	303.	-100.
3000.	2957.	325.	335.	-100.
3117.	3071.	340.	354.	0.
3200.	3153.	348.	366.	-100.
3400.	3350.	370.	398.	-100.
3600.	3545.	396.	431.	-100.
3706.	3648.	411.	450.	0.
3800.	3739.	425.	468.	-100.
3875.	3811.	437.	481.	0.
4000.	3934.	457.	494.	-100.
4200.	4131.	488.	516.	-100.
4400.	4327.	520.	541.	-100.
4600.	4522.	553.	568.	-100.
4686.	4606.	567.	581.	0.
4800.	4717.	581.	605.	-100.
5000.	4910.	610.	646.	-100.
5200.	5104.	641.	685.	-100.
5335.	5234.	664.	709.	-10.
5400.	5297.	676.	721.	-100.
5600.	5490.	715.	755.	-100.
5790.	5673.	755.	785.	0.
5800.	5683.	758.	786.	-100.
6000.	5874.	814.	809.	-100.
6200.	6066.	869.	833.	-100.
6367.	6226.	913.	854.	-2.
6400.	6258.	922.	858.	-100.
6600.	6450.	973.	884.	-100.
6783.	6626.	1019.	909.	0.
6800.	6643.	1023.	912.	-100.
7000.	6835.	1068.	942.	-100.
7007.	6842.	1070.	943.	9.
7200.	7027.	1114.	972.	-100.
7400.	7220.	1159.	1003.	-100.
7600.	7412.	1204.	1034.	-100.
7789.	7594.	1246.	1063.	0.
7800.	7605.	1248.	1065.	-100.
8000.	7797.	1293.	1095.	-100.
8200.	7990.	1337.	1126.	-100.
8400.	8182.	1382.	1158.	-100.
8600.	8374.	1426.	1189.	-100.
8778.	8545.	1465.	1218.	0.
8800.	8566.	1470.	1221.	-100.
9000.	8760.	1514.	1247.	-100.
9200.	8953.	1558.	1277.	-100.
9330.	9078.	1586.	1298.	36.
9346.	9093.	1590.	1301.	5.
9379.	9125.	1597.	1307.	5.
9400.	9145.	1602.	1311.	-100.
9600.	9336.	1645.	1349.	-100.
9706.	9437.	1668.	1371.	0.
9800.	9526.	1688.	1391.	-100.
10000.	9716.	1731.	1438.	-100.

WELL: DE 4 (NAT) (CONTINUED DATA)  
LOCATION: 1802890E 400050N  
SURFACE ELEVATION: 1890.  
CASING SHOE: 5335.  
FLOWRATE (KLBS/HR): 17.

COMMENTS: STEAM ENTRY AT 7007' INITIALLY 106 PSI, BLED TO 9 PSI.  
10200. 9905. 1774. 1489. -100.  
10400. 10093. 1817. 1544. -100.  
10475. 10163. 1833. 1566. 0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL *****	
	TOP	BOTTOM
10.63	5335.	9137.
8.75	9137.	10475.

WELL: DE 4 (NAT)RD1  
 LOCATION: 1802890E 400050N  
 SURFACE ELEVATION: 1890.  
 CASING SHOE: 5335.  
 FLOWRATE (KLBS/HR): 17.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	6.	2.	-100.
400.	400.	16.	7.	-100.
600.	599.	29.	15.	-100.
752.	750.	41.	24.	0.
800.	798.	46.	28.	-100.
1000.	996.	69.	44.	-100.
1200.	1193.	92.	64.	-100.
1373.	1364.	112.	83.	0.
1400.	1391.	115.	87.	-100.
1600.	1587.	138.	116.	-100.
1800.	1783.	161.	145.	-100.
2000.	1980.	186.	175.	-100.
2130.	2107.	202.	195.	0.
2200.	2175.	213.	206.	-100.
2400.	2370.	242.	238.	-100.
2600.	2566.	271.	270.	-100.
2800.	2761.	298.	303.	-100.
3000.	2957.	325.	335.	-100.
3117.	3071.	340.	354.	0.
3200.	3153.	348.	366.	-100.
3400.	3350.	370.	398.	-100.
3600.	3545.	396.	431.	-100.
3706.	3648.	411.	450.	0.
3800.	3739.	425.	468.	-100.
3875.	3811.	437.	481.	0.
4000.	3933.	461.	498.	-100.
4200.	4129.	495.	524.	-100.
4400.	4326.	525.	547.	-100.
4583.	4506.	548.	567.	0.
4600.	4523.	550.	570.	-100.
4800.	4721.	568.	593.	-100.
4935.	4854.	582.	600.	0.
5000.	4918.	590.	593.	-100.
5200.	5114.	613.	569.	-100.
5335.	5246.	629.	551.	-10.
5400.	5309.	637.	541.	-100.
5600.	5504.	661.	509.	-100.
5800.	5698.	685.	472.	-100.
5811.	5709.	686.	470.	0.
6000.	5891.	707.	424.	-100.
6200.	6083.	731.	375.	-100.
6400.	6276.	756.	327.	-100.
6477.	6350.	766.	309.	15.

WELL: DE 4 (NAT)RD1 (continued)

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
6600.	6468.	781.	280.	-100.
6612.	6480.	783.	277.	0.
6800.	6661.	808.	226.	-100.
7000.	6854.	836.	178.	-100.
7200.	7047.	864.	134.	-100.
7400.	7239.	894.	95.	-100.
7437.	7275.	900.	88.	0.
7600.	7432.	925.	60.	-100.
7800.	7624.	958.	31.	-100.
7909.	7729.	976.	17.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	
	TOP	BOTTOM
10.63	5335.	9137.
8.75	9137.	10475.

WELL: 5206-1 OH  
 LOCATION: 1802753E 400000N  
 SURFACE ELEVATION: 1883.  
 CASING SHOE: 3660.  
 FLOWRATE (KLBS/HR): 0.

DE

COMMENTS: DRY HOLE. PLUG BACK FOR REDRILL. B.H.LOC EXTRAPOLATED BELOW 6828'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	3.	7.	-100.
400.	399.	9.	17.	-100.
600.	598.	16.	29.	-100.
800.	797.	24.	44.	-100.
889.	886.	29.	51.	0.
1000.	996.	40.	67.	-100.
1200.	1195.	54.	90.	-100.
1400.	1394.	62.	105.	-100.
1408.	1402.	62.	105.	0.
1600.	1594.	60.	110.	-100.
1800.	1793.	55.	108.	-100.
1992.	1984.	48.	100.	0.
2000.	1992.	47.	99.	-100.
2200.	2191.	37.	80.	-100.
2400.	2389.	22.	57.	-100.
2600.	2586.	4.	30.	-100.
2639.	2624.	0.	24.	0.
2800.	2781.	-20.	-5.	-100.
3000.	2976.	-45.	-40.	-100.
3100.	3074.	-57.	-58.	0.
3200.	3172.	-70.	-75.	-100.
3400.	3368.	-95.	-109.	-100.
3600.	3563.	-119.	-143.	-100.
3660.	3622.	-126.	-153.	-10.
3736.	3696.	-135.	-166.	0.
3800.	3759.	-143.	-177.	-100.
4000.	3954.	-166.	-211.	-100.
4012.	3966.	-167.	-213.	0.
4172.	4123.	-184.	-238.	0.
4200.	4152.	-187.	-243.	-100.
4400.	4348.	-211.	-276.	-100.
4600.	4544.	-233.	-310.	-100.
4800.	4740.	-255.	-344.	-100.
4886.	4822.	-264.	-359.	0.
5000.	4934.	-278.	-378.	-100.
5200.	5130.	-300.	-413.	-100.
5400.	5325.	-319.	-448.	-100.
5600.	5521.	-336.	-486.	-100.
5800.	5717.	-349.	-524.	-100.
5836.	5752.	-351.	-531.	0.
6000.	5912.	-355.	-565.	-100.
6200.	6108.	-360.	-607.	-100.
6400.	6303.	-364.	-649.	-100.
6600.	6499.	-368.	-692.	-100.
6800.	6694.	-372.	-736.	-100.
6828.	6721.	-372.	-742.	0.
7000.	6889.	-374.	-780.	-100.
7200.	7084.	-377.	-825.	-100.
7400.	7279.	-379.	-871.	-100.
7600.	7473.	-380.	-917.	-100.
7800.	7668.	-381.	-963.	-100.
8000.	7862.	-382.	-1011.	-100.
8013.	7875.	-382.	-1014.	0.

OPEN HOLE DESCRIPTION  
 \*\*\*\*\*  
 SIZE (IN)      TOP      INTERVAL      BOTTOM  
 8.50            3660.                 8013.

WELL: 5206-1RD  
 LOCATION: 1802753E 400000N  
 SURFACE ELEVATION: 1883.  
 CASING SHOE: 3660.  
 FLOWRATE (KLBS/HR): 48.

COMMENTS: K.O.P. FOR REDRILL AT 4162. FLOWRATE GIVEN IS FOR 74 PSIG. DEEPEN 1-8-88 TO 1-22-88, FROM 7021' TO 8203'. NO ADDITIONAL STEAM ENTRIES.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	3.	7.	-100.
400.	399.	9.	17.	-100.
600.	598.	16.	29.	-100.
800.	797.	24.	44.	-100.
889.	886.	29.	51.	0.
1000.	996.	40.	67.	-100.
1200.	1195.	54.	90.	-100.
1400.	1394.	62.	105.	-100.
1408.	1402.	62.	105.	0.
1600.	1594.	60.	110.	-100.
1800.	1793.	55.	108.	-100.
1992.	1984.	48.	100.	0.
2000.	1992.	47.	99.	-100.
2200.	2191.	37.	80.	-100.
2400.	2389.	22.	57.	-100.
2600.	2586.	4.	30.	-100.
2639.	2624.	0.	24.	0.
2800.	2781.	-20.	-3.	-100.
3000.	2976.	-45.	-37.	-100.
3100.	3074.	-57.	-55.	0.
3200.	3172.	-70.	-72.	-100.
3400.	3368.	-95.	-108.	-100.
3600.	3563.	-119.	-143.	-100.
3660.	3622.	-126.	-153.	-10.
3736.	3696.	-135.	-166.	0.
3800.	3759.	-143.	-177.	-100.
4000.	3954.	-166.	-211.	-100.
4012.	3966.	-167.	-213.	0.
4162.	4113.	-183.	-237.	0.
4200.	4150.	-183.	-243.	-100.
4299.	4248.	-183.	-259.	0.
4400.	4348.	-177.	-277.	-100.
4600.	4544.	-166.	-318.	-100.
4786.	4724.	-156.	-361.	0.
4787.	4725.	-156.	-361.	135.
4800.	4737.	-155.	-365.	-100.
5000.	4929.	-145.	-421.	-100.
5200.	5119.	-134.	-481.	-100.
5350.	5261.	-125.	-527.	0.
5400.	5308.	-121.	-544.	-100.
5600.	5495.	-105.	-613.	-100.
5800.	5683.	-89.	-682.	-100.
6000.	5870.	-74.	-752.	-100.
6175.	6033.	-61.	-813.	0.
6200.	6056.	-59.	-822.	-100.
6400.	6242.	-45.	-893.	-100.
6600.	6428.	-31.	-964.	-100.
6800.	6615.	-17.	-1035.	-100.
6931.	6737.	-7.	-1081.	0.
7000.	6802.	-3.	-1104.	-100.
7200.	6990.	11.	-1173.	-100.
7400.	7176.	26.	-1244.	-100.
7524.	7291.	36.	-1290.	0.
7600.	7361.	42.	-1319.	-100.
7800.	7545.	58.	-1395.	-100.
8000.	7727.	76.	-1475.	-100.
8200.	7908.	94.	-1558.	-100.
8203.	7911.	94.	-1559.	0.

Elev                              
 -2904      399,244      1,802,39.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
8.50	3660.	7021.

WELL: 5206-2  
 LOCATION: 1802711E 399940N  
 SURFACE ELEVATION: 1883.  
 CASING SHOE: 4464.  
 FLOWRATE (KLBS/HR): 25.

COMMENTS: 4-30-87 TD ORIG HOLE. PLUG BACK TO REDRILL DUE TO INSUFFICIENT STEAM.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	199.	10.	8.	-100.
400.	398.	21.	17.	-100.
600.	597.	33.	27.	-100.
689.	686.	38.	32.	0.
800.	796.	51.	40.	-100.
1000.	996.	69.	53.	-100.
1200.	1195.	82.	64.	-100.
1400.	1394.	87.	72.	-100.
1428.	1422.	88.	73.	0.
1600.	1595.	87.	85.	-100.
1800.	1794.	80.	87.	-100.
1925.	1918.	73.	82.	0.
2000.	1994.	69.	76.	-100.
2200.	2194.	53.	51.	-100.
2400.	2387.	29.	13.	-100.
2592.	2567.	-4.	-36.	0.
2600.	2574.	-6.	-39.	-100.
2800.	2754.	-59.	-109.	-100.
3000.	2933.	-104.	-186.	-100.
3026.	2956.	-109.	-197.	0.
3200.	3114.	-137.	-268.	-100.
3400.	3289.	-166.	-359.	-100.
3548.	3414.	-185.	-433.	0.
3600.	3455.	-191.	-464.	-100.
3800.	3616.	-212.	-581.	-100.
3947.	3735.	-226.	-666.	0.
4000.	3779.	-231.	-696.	-100.
4132.	3886.	-243.	-773.	0.
4200.	3941.	-249.	-812.	-100.
4400.	4100.	-265.	-931.	-100.
4464.	4150.	-270.	-970.	0.
4464.	4150.	-270.	-970.	-10.
4600.	4256.	-281.	-1054.	-100.
4742.	4365.	-291.	-1145.	0.
4800.	4409.	-294.	-1183.	-100.
5000.	4557.	-305.	-1317.	-100.
5025.	4575.	-307.	-1334.	0.
5200.	4699.	-318.	-1458.	-100.
5400.	4840.	-332.	-1598.	-100.
5405.	4844.	-332.	-1602.	0.
5600.	4979.	-346.	-1743.	-100.
5800.	5121.	-361.	-1883.	-100.
6000.	5267.	-376.	-2018.	-100.
6055.	5308.	-380.	-2054.	0.
6062.	5313.	-381.	-2058.	10.
6200.	5420.	-391.	-2145.	-100.
6214.	5431.	-392.	-2154.	4.
6322.	5515.	-400.	-2221.	4.
6400.	5576.	-406.	-2270.	-100.
6600.	5733.	-421.	-2392.	-100.
6800.	5892.	-438.	-2513.	-100.
6888.	5962.	-445.	-2565.	0.
7000.	6052.	-455.	-2630.	-100.
7200.	6213.	-472.	-2747.	-100.
7255.	6257.	-477.	-2780.	0.
7400.	6373.	-489.	-2867.	-100.
7505.	6457.	-497.	-2930.	0.

OPEN HOLE DESCRIPTION  
 \*\*\*\*\*  
 SIZE (IN) TOP INTERVAL BOTTOM  
 8.50 3660. 7021.

WELL: 5206-2RD  
 LOCATION: 1802711E 399940N  
 SURFACE ELEVATION: 1883.  
 CASING SHOE: 4464.  
 FLOWRATE (KLBS/HR): 100.

COMMENTS: SPUD REDRILL 5-4-87.TD 5-25-87. K.O.P. 4464'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	199.	10.	8.	-100.
400.	398.	21.	17.	-100.
600.	597.	33.	27.	-100.
689.	686.	38.	32.	0.
800.	796.	51.	40.	-100.
1000.	996.	69.	53.	-100.
1200.	1195.	82.	64.	-100.
1400.	1394.	87.	72.	-100.
1428.	1422.	88.	73.	0.
1600.	1595.	87.	85.	-100.
1800.	1794.	80.	87.	-100.
1925.	1918.	73.	82.	0.
2000.	1994.	69.	76.	-100.
2200.	2194.	53.	51.	-100.
2400.	2387.	29.	13.	-100.
2592.	2567.	-4.	-36.	0.
2600.	2574.	-6.	-39.	-100.
2800.	2754.	-59.	-109.	-100.
3000.	2933.	-104.	-186.	-100.
3026.	2956.	-109.	-197.	0.
3200.	3114.	-137.	-268.	-100.
3400.	3289.	-166.	-359.	-100.
3548.	3414.	-185.	-433.	0.
3600.	3455.	-191.	-464.	-100.
3800.	3616.	-212.	-581.	-100.
3947.	3735.	-226.	-666.	0.
4000.	3779.	-231.	-696.	-100.
4132.	3886.	-243.	-773.	0.
4200.	3940.	-250.	-813.	-100.
4400.	4099.	-266.	-932.	-100.
4464.	4150.	-270.	-970.	0.
4464.	4150.	-270.	-970.	-10.
4600.	4260.	-275.	-1051.	-100.
4604.	4263.	-275.	-1053.	0.
4800.	4427.	-251.	-1158.	-100.
5000.	4592.	-222.	-1267.	-100.
5038.	4623.	-216.	-1288.	0.
5200.	4752.	-188.	-1382.	-100.
5400.	4913.	-152.	-1496.	-100.
5555.	5038.	-122.	-1582.	0.
5600.	5074.	-112.	-1605.	-100.
5800.	5235.	-70.	-1710.	-100.
6000.	5400.	-28.	-1818.	-100.
6085.	5472.	-11.	-1865.	0.
6200.	5592.	19.	-1939.	-100.
6400.	5789.	66.	-2063.	-100.
6600.	5971.	109.	-2182.	-100.
6800.	6142.	146.	-2296.	-100.
7000.	6301.	180.	-2405.	-100.
7016.	6313.	182.	-2414.	0.
7130.	6386.	194.	-2465.	28.
7200.	6431.	201.	-2497.	-100.
7222.	6446.	204.	-2507.	14.
7400.	6567.	224.	-2595.	-100.
7453.	6604.	231.	-2622.	30.
7600.	6710.	249.	-2701.	-100.
7656.	6752.	256.	-2732.	0.
7800.	6862.	275.	-2815.	-100.
8000.	7022.	303.	-2939.	-100.
8025.	7043.	307.	-2955.	0.

Elev W E  
 -4684 400' 1,800,116

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL TOP	***** BOTTOM
8.50	3660.	7021.

WELL: 5206-3  
 LOCATION: 1802238E 400522N  
 SURFACE ELEVATION: 1762.  
 CASING SHOE: 4138.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: DRY HOLE. PLUGGED BACK FOR REDRILL.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	27.	10.	-100.
400.	401.	44.	17.	-100.
600.	600.	53.	21.	-100.
800.	799.	53.	23.	-100.
1000.	997.	45.	22.	-100.
1011.	1008.	44.	22.	0.
1200.	1195.	12.	23.	-100.
1400.	1392.	-20.	19.	-100.
1600.	1588.	-52.	10.	-100.
1800.	1785.	-83.	-6.	-100.
1845.	1829.	-90.	-10.	0.
2000.	1981.	-124.	-27.	-100.
2200.	2177.	-159.	-53.	-100.
2400.	2373.	-185.	-85.	-100.
2600.	2567.	-202.	-123.	-100.
2646.	2612.	-205.	-132.	0.
2800.	2761.	-204.	-170.	-100.
3000.	2954.	-200.	-221.	-100.
3200.	3147.	-194.	-273.	-100.
3376.	3316.	-187.	-320.	0.
3400.	3339.	-185.	-326.	-100.
3600.	3531.	-169.	-381.	-100.
3800.	3723.	-155.	-436.	-100.
4000.	3914.	-141.	-494.	-100.
4138.	4046.	-133.	-534.	-10.
4200.	4105.	-129.	-552.	-100.
4239.	4142.	-127.	-564.	0.
4400.	4295.	-120.	-612.	-100.
4600.	4485.	-110.	-674.	-100.
4800.	4674.	-101.	-737.	-100.
4978.	4842.	-93.	-795.	0.
5000.	4863.	-92.	-803.	-100.
5200.	5050.	-82.	-872.	-100.
5400.	5238.	-73.	-942.	-100.
5600.	5425.	-64.	-1012.	-100.
5747.	5563.	-59.	-1063.	0.
5800.	5612.	-57.	-1082.	-100.
6000.	5799.	-52.	-1153.	-100.
6200.	5986.	-47.	-1224.	-100.
6400.	6173.	-41.	-1294.	-100.
6554.	6317.	-36.	-1348.	0.
6600.	6360.	-34.	-1364.	-100.
6800.	6547.	-26.	-1434.	-100.
6915.	6655.	-21.	-1474.	3.
7000.	6735.	-18.	-1503.	-100.
7200.	6922.	-12.	-1572.	-100.
7338.	7052.	-8.	-1620.	0.
7400.	7110.	-7.	-1641.	-100.
7441.	7149.	-6.	-1655.	1.
7600.	7298.	-2.	-1710.	-100.
7618.	7315.	-2.	-1716.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL *****	BOTTOM
9.88	4138.		7618.

WELL: 5206-4F2 (continued...)

4000.	3959.	96.	-84.	-100.
4200.	4152.	79.	-132.	-100.
4280.	4229.	73.	-153.	0.
4400.	4343.	65.	-192.	-100.
4527.	4466.	56.	-221.	0.
4600.	4538.	50.	-233.	-100.
4683.	4620.	43.	-240.	0.
4800.	4736.	33.	-235.	-100.
4860.	4796.	29.	-229.	0.
4922.	4858.	27.	-221.	0.
5000.	4935.	25.	-210.	-100.
5109.	5042.	23.	-190.	0.
5200.	5129.	19.	-165.	-100.
5362.	5284.	14.	-118.	2. ← STM
5400.	5321.	12.	-107.	-100.
5579.	5491.	7.	-53.	0.
5600.	5511.	6.	-47.	-100.
5800.	5702.	-1.	15.	-100.
5887.	5784.	-4.	44.	61. } Steam
5900.	5796.	-4.	48.	10. }
6000.	5890.	-6.	83.	-100.
6060.	5945.	-7.	105.	1. ← STM
6093.	5976.	-7.	117.	0.
6200.	6075.	-9.	159.	-100.
6400.	6257.	-9.	243.	-100.
6600.	6435.	-6.	332.	-100.
6781.	6594.	1.	417.	0.
6800.	6610.	2.	427.	-100.
7000.	6779.	17.	533.	-100.
7200.	6948.	32.	639.	-100.
7388.	7106.	46.	739.	0.
7400.	7116.	47.	746.	-100.
7600.	7282.	62.	856.	-100.
7800.	7449.	79.	964.	-100.
8000.	7617.	96.	1071.	-100.
8122.	7720.	108.	1136.	0.
8200.	7787.	117.	1175.	-100.
8400.	7957.	140.	1277.	-100.
8510.	8051.	152.	1333.	5. ← STM
8600.	8128.	161.	1380.	-100.
8800.	8298.	183.	1483.	-100.
8891.	8375.	192.	1530.	0.
9000.	8467.	203.	1587.	-100.
9200.	8637.	223.	1691.	-100.
9400.	8806.	242.	1797.	-100.
9404.	8809.	242.	1799.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL *****	
	TOP	BOTTOM
12.25	4692.	5263.
10.63	5263.	9404.

WELL: 5206-4F3  
 LOCATION: 1801248E 399716N  
 SURFACE ELEVATION: 1964.  
 CASING SHOE: 4891.  
 FLOWRATE (KLBS/HR): 101.

COMMENTS: 3RD AND FINAL FORK DRILLED OUT OF CASING SHOE AT 4891'

*After comp. of F1 + F2. Drilled shoe to T.D. 11/03 - 13/92.*

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	-7.	-7.	-100.
400.	401.	-11.	-11.	-100.
600.	601.	-12.	-11.	-100.
800.	801.	-10.	-9.	-100.
1000.	1001.	-5.	-3.	-100.
1200.	1200.	2.	6.	-100.
1400.	1399.	12.	18.	-100.
1450.	1449.	15.	21.	0.
1600.	1597.	31.	41.	-100.
1800.	1796.	50.	64.	-100.
2000.	1994.	68.	83.	-100.
2200.	2192.	83.	100.	-100.
2245.	2237.	87.	103.	0.
2400.	2392.	99.	125.	-100.
2600.	2592.	112.	142.	-100.
2800.	2790.	122.	145.	-100.
3000.	2987.	129.	135.	-100.
3014.	3001.	129.	134.	0.
3200.	3184.	139.	99.	-100.
3400.	3379.	140.	58.	-100.
3600.	3573.	133.	13.	-100.
3728.	3697.	124.	-17.	0.
3800.	3766.	116.	-35.	-100.
3915.	3877.	104.	-64.	0.
4000.	3959.	96.	-82.	-100.
4200.	4152.	79.	-131.	-100.
4280.	4229.	73.	-153.	0.
4400.	4345.	64.	-190.	-100.
4513.	4451.	57.	-224.	0.
4600.	4530.	52.	-251.	-100.
4606.	4536.	51.	-252.	0.
4700.	4628.	46.	-282.	0.
4800.	4723.	40.	-313.	-100.
4825.	4747.	38.	-320.	0.
4891.	4809.	34.	-342.	-10.
5000.	4912.	28.	-376.	-100.
5200.	5102.	17.	-439.	-100.
5214.	5115.	16.	-443.	0.
5400.	5292.	6.	-500.	-100.
5465.	5354.	3.	-520.	0.
5600.	5482.	-6.	-562.	-100.
5800.	5672.	-19.	-622.	-100.
6000.	5862.	-33.	-682.	-100.

WELL: 5206-4F3

(continued)

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
6200.	6053.	-48.	-740.	-100.
6219.	6071.	-49.	-746.	0.
6400.	6244.	-69.	-796.	-100.
6600.	6435.	-90.	-851.	-100.
6800.	6626.	-108.	-906.	-100.
7000.	6818.	-125.	-961.	-100.
7081.	6896.	-132.	-983.	8.
7152.	6964.	-137.	-1003.	25.
7171.	6982.	-139.	-1008.	2.
7200.	7010.	-141.	-1016.	-100.
7217.	7026.	-142.	-1020.	0.
7400.	7202.	-154.	-1070.	-100.
7600.	7394.	-166.	-1124.	-100.
7642.	7434.	-169.	-1136.	8.
7800.	7586.	-177.	-1178.	-100.
7987.	7766.	-185.	-1229.	0.
8000.	7778.	-186.	-1232.	-100.
8200.	7971.	-197.	-1286.	-100.
8400.	8163.	-208.	-1340.	-100.
8600.	8355.	-220.	-1394.	-100.
8800.	8547.	-231.	-1448.	-100.
8960.	8701.	-240.	-1492.	0.

OPEN HOLE DESCRIPTION

	**** INTERVAL	*****
SIZE (IN)	TOP	BOTTOM
12.25	4692.	5263.
10.63	5263.	9404.

WELL: EFF-1  
 LOCATION: 1796428E 405448N  
 SURFACE ELEVATION: 2198.  
 CASING SHOE: 2701.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	207.	-3.	-24.	-100.
400.	410.	-5.	-32.	-100.
600.	609.	-6.	-26.	-100.
800.	805.	-6.	-3.	-100.
999.	996.	-6.	35.	0.
1000.	997.	-6.	35.	-100.
1200.	1194.	1.	92.	-100.
1400.	1379.	3.	165.	-100.
1600.	1553.	1.	253.	-100.
1602.	1555.	1.	254.	0.
1800.	1716.	-14.	368.	-100.
2000.	1873.	-22.	491.	-100.
2110.	1956.	-24.	562.	0.
2200.	2022.	-26.	624.	-100.
2300.	2096.	-21.	691.	0.
2400.	2171.	-8.	756.	-100.
2462.	2218.	2.	794.	0.
2600.	2328.	27.	874.	-100.
2697.	2406.	49.	928.	0.
2701.	2409.	50.	930.	-10.
2800.	2489.	77.	982.	-100.
2854.	2533.	92.	1010.	0.
3000.	2652.	133.	1084.	-100.
3035.	2680.	144.	1101.	-2.
3199.	2814.	193.	1182.	0.
3200.	2815.	193.	1182.	-100.
3400.	2978.	256.	1279.	-100.
3416.	2991.	262.	1287.	24.
3450.	3019.	273.	1303.	0.
3600.	3139.	327.	1374.	-100.
3746.	3256.	380.	1444.	0.
3800.	3299.	400.	1470.	-100.
4000.	3456.	475.	1568.	-100.
4200.	3615.	551.	1663.	-100.
4377.	3756.	619.	1746.	0.
4400.	3774.	628.	1757.	-100.
4600.	3934.	706.	1850.	-100.
4790.	4087.	779.	1935.	0.
4800.	4095.	783.	1939.	-100.
5000.	4258.	861.	2025.	-100.
5200.	4424.	937.	2107.	-100.
5235.	4453.	950.	2121.	0.
5400.	4591.	1011.	2186.	-100.

WELL: EFF-1

(continued)

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
5600.	4761.	1084.	2263.	-100.
5800.	4933.	1155.	2337.	-100.
5931.	5047.	1200.	2384.	0.
6000.	5106.	1225.	2410.	-100.
6076.	5171.	1252.	2439.	0.

WELL: 5206-4F1  
 LOCATION: 1801248E 399716N  
 SURFACE ELEVATION: 1964.  
 CASING SHOE: 0.  
 FLOWRATE (KLBS/HR): 39.

MENTS: DRILLED THRU WINDOW 4711-4746. ORIFICE TEST @ TD 39.3 KPH @132 PSIA.  
 MEASURED WITH 3" ORIF.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	-7.	-7.	-100.
400.	401.	-11.	-11.	-100.
600.	601.	-12.	-11.	-100.
800.	801.	-10.	-9.	-100.
1000.	1001.	-5.	-3.	-100.
1200.	1200.	2.	6.	-100.
1400.	1399.	12.	18.	-100.
1450.	1449.	15.	21.	0.
1600.	1597.	31.	41.	-100.
1800.	1796.	50.	64.	-100.
2000.	1994.	68.	83.	-100.
2200.	2192.	83.	100.	-100.
2245.	2237.	87.	103.	0.
2400.	2392.	99.	125.	-100.
2600.	2592.	112.	142.	-100.
2800.	2790.	122.	145.	-100.
3000.	2987.	129.	135.	-100.
3014.	3001.	129.	134.	0.
3200.	3184.	139.	99.	-100.
3400.	3379.	140.	58.	-100.
3600.	3573.	133.	13.	-100.
3728.	3697.	124.	-17.	0.
3800.	3766.	116.	-35.	-100.
3915.	3877.	104.	-64.	0.
4000.	3959.	96.	-82.	-100.
4200.	4152.	79.	-131.	-100.
4280.	4229.	73.	-153.	0.
4400.	4344.	64.	-189.	-100.
4513.	4451.	57.	-224.	0.
4600.	4533.	50.	-252.	-100.
4700.	4628.	46.	-282.	0.
4800.	4722.	44.	-311.	-100.
4912.	4833.	49.	-335.	0.
5000.	4924.	58.	-348.	-100.
5003.	4927.	59.	-348.	0.
5200.	5119.	84.	-354.	-100.
5315.	5231.	99.	-349.	0.
5400.	5317.	102.	-334.	-100.
5453.	5370.	105.	-323.	-2.
5600.	5515.	115.	-291.	-100.
5800.	5705.	133.	-238.	-100.
6000.	5890.	156.	-174.	-100.
6183.	6053.	183.	-107.	0.
6200.	6067.	187.	-98.	-100.
6400.	6231.	232.	8.	-100.
6600.	6394.	276.	114.	-100.
6800.	6558.	320.	220.	-100.
7000.	6722.	364.	326.	-100.
7055.	6767.	376.	355.	0.
7200.	6886.	406.	432.	-100.
7400.	7050.	449.	538.	-100.

WELL: 5206-4F1 (continued...)

7600.	7214.	492.	644.	-100.
7800.	7378.	535.	751.	-100.
7806.	7383.	536.	754.	0.
8000.	7539.	583.	860.	-100.
8200.	7702.	629.	967.	-100.
8400.	7866.	671.	1073.	-100.
8545.	7986.	699.	1149.	0.
8600.	8032.	709.	1178.	-100.
8800.	8199.	744.	1282.	-100.
8806.	8204.	745.	1285.	1.
8912.	8293.	762.	1339.	4. } S team
9000.	8368.	776.	1383.	-100.
9072.	8430.	787.	1419.	21. ←
9200.	8540.	806.	1481.	-100.
9265.	8596.	815.	1512.	0.
9400.	8714.	833.	1576.	-100.
9429.	8739.	837.	1589.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL TOP	***** BOTTOM
12.25	4746.	6304.
10.63	6304.	9429.

WELL: 5206-4F2

LOCATION: 1801248E 399716N

SURFACE ELEVATION: 1964.

CASING SHOE: 0.

WRATE (KLBS/HR): 101.

COMMENTS: MILLED 2ND WINDOW 4527-4692. INCR ARGILLITE BELOW 8800. TWIST OFF 8982 RECOV FISH. STUCK 9359. SHOT OFF @8869 & LEFT FISH. TEST W/5" ORIFICE.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	-7.	-7.	-100.
400.	401.	-11.	-11.	-100.
600.	601.	-12.	-11.	-100.
800.	801.	-10.	-9.	-100.
1000.	1001.	-5.	-3.	-100.
1200.	1200.	2.	6.	-100.
1400.	1399.	12.	18.	-100.
1450.	1449.	15.	21.	0.
1600.	1597.	31.	41.	-100.
1800.	1796.	50.	64.	-100.
2000.	1994.	68.	83.	-100.
2200.	2192.	83.	100.	-100.
2245.	2237.	87.	103.	0.
2400.	2392.	99.	125.	-100.
2600.	2592.	112.	142.	-100.
2800.	2790.	122.	145.	-100.
3000.	2987.	129.	135.	-100.
3014.	3001.	129.	134.	0.
3200.	3184.	139.	99.	-100.
3400.	3379.	140.	58.	-100.
3600.	3573.	133.	13.	-100.
3728.	3697.	124.	-17.	0.
3800.	3766.	116.	-35.	-100.
3915.	3877.	104.	-64.	0.

WELL: MCK 11 FK  
 LOCATION: 1795943E 402337N  
 SURFACE ELEVATION: 2367.  
 CASING SHOE: 2949.  
 DOWRATE (KLBS/HR): 150.

COMMENTS: MILLED WINDOW 2440-2475 Begin drlrg 4/18/92. TD 5/16/92. Drilled out plug of OH

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	9.	-1.	-100.
400.	400.	17.	-2.	-100.
600.	600.	25.	-2.	-100.
800.	800.	33.	-3.	-100.
1000.	1000.	40.	-4.	-100.
1012.	1012.	41.	-4.	0.
1200.	1200.	51.	-11.	-100.
1400.	1400.	61.	-15.	-100.
1600.	1600.	68.	-16.	-100.
1800.	1800.	73.	-14.	-100.
2000.	1999.	75.	-10.	-100.
2046.	2045.	76.	-9.	0.
2200.	2199.	72.	-6.	-100.
2378.	2376.	75.	6.	0.
2400.	2398.	75.	7.	-100.
2600.	2597.	88.	32.	-100.
2712.	2704.	100.	55.	0.
2800.	2783.	117.	89.	-100.
2949.	2917.	147.	146.	-10.
3000.	2963.	158.	166.	-100.
3200.	3140.	202.	245.	-100.
3247.	3182.	213.	264.	0.
3400.	3311.	260.	333.	-100.
3600.	3483.	316.	418.	-100.
3800.	3659.	368.	499.	-100.
3969.	3809.	408.	563.	0.
4000.	3838.	414.	573.	-100.
4200.	4023.	451.	639.	-100.
4212.	4034.	453.	643.	6.
4400.	4208.	488.	705.	11.
4431.	4237.	494.	715.	11.
4600.	4394.	525.	770.	-100.
4679.	4467.	540.	796.	0.
4800.	4580.	561.	834.	-100.
5000.	4765.	597.	898.	-100.
5200.	4950.	634.	964.	-100.
5298.	5041.	653.	996.	0.
5400.	5137.	670.	1029.	-100.
5600.	5322.	707.	1095.	-100.
5800.	5506.	748.	1164.	-100.
5993.	5680.	790.	1234.	6.
6000.	5686.	792.	1237.	-100.
6040.	5722.	801.	1252.	0.
6200.	5863.	835.	1316.	-100.
6400.	6039.	884.	1397.	-100.
6600.	6212.	941.	1478.	-100.
6775.	6363.	998.	1551.	0.
6800.	6384.	1010.	1562.	-100.

WELL: MCK 11 FORK  
CONTINUED...

7000.	6553.	1095.	1648.	-100.
7200.	6724.	1169.	1732.	-100.
7247.	6764.	1185.	1751.	0.
7400.	6895.	1219.	1816.	-100.
7600.	7068.	1266.	1896.	-100.
7704.	7159.	1292.	1936.	6.
7800.	7243.	1316.	1972.	-100.
7952.	7377.	1356.	2027.	0.
8000.	7420.	1369.	2044.	-100.
8200.	7599.	1425.	2111.	-100.
8400.	7780.	1484.	2175.	-100.
8501.	7872.	1515.	2205.	0.

WELL: CA 1862-8 OH  
LOCATION: 1786041E 409625N  
SURFACE ELEVATION: 3778.  
CASING SHOE: 4930.  
FLOWRATE (KLBS/HR): 97.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	2.	-100.
400.	400.	2.	3.	-100.
600.	600.	1.	2.	-100.
800.	800.	0.	-1.	-100.
1000.	1000.	-2.	-4.	-100.
1027.	1027.	-2.	-5.	0.
1200.	1200.	-3.	-11.	-100.
1400.	1400.	-5.	-19.	-100.
1600.	1600.	-9.	-28.	-100.
1800.	1800.	-15.	-37.	-100.
2000.	1999.	-22.	-46.	-100.
2082.	2081.	-26.	-51.	0.
2200.	2199.	-34.	-57.	-100.
2400.	2398.	-47.	-67.	-100.
2600.	2597.	-60.	-79.	-100.
2800.	2796.	-74.	-91.	-100.
3000.	2995.	-87.	-104.	-100.
3007.	3002.	-87.	-104.	0.
3200.	3196.	-90.	-112.	-100.
3400.	3396.	-98.	-123.	-100.
3600.	3595.	-111.	-137.	-100.
3800.	3793.	-129.	-155.	-100.
4000.	3990.	-153.	-176.	-100.
4002.	3992.	-153.	-176.	0.
4200.	4187.	-188.	-193.	-100.
4400.	4381.	-223.	-219.	-100.
4600.	4574.	-260.	-254.	-100.
4678.	4649.	-274.	-270.	0.
4800.	4765.	-296.	-300.	-100.
4930.	4888.	-321.	-334.	-10.
5000.	4954.	-334.	-353.	-100.
5026.	4979.	-339.	-360.	0.
5200.	5141.	-376.	-412.	-100.
5400.	5326.	-420.	-472.	-100.

WELL: MCK 1  
 LOCATION: 1795162E 404423N  
 SURFACE ELEVATION: 2478.  
 CASING SHOE: 765.  
 FLOWRATE (KLBS/HR): 83.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	0.	0.	-100.
400.	400.	0.	0.	-100.
600.	600.	0.	0.	-100.
765.	765.	0.	0.	-10.
800.	800.	0.	0.	-100.
1000.	1000.	0.	0.	0.
1200.	1200.	0.	0.	-100.
1400.	1400.	0.	0.	0.
1600.	1600.	0.	0.	-100.
1800.	1800.	0.	0.	-100.
2000.	2000.	0.	0.	0.
2200.	2200.	0.	0.	-100.
2400.	2400.	0.	0.	-100.
2600.	2600.	0.	0.	-100.
2800.	2800.	0.	0.	-100.
3000.	3000.	0.	0.	-100.
3023.	3023.	0.	0.	0.
3200.	3200.	0.	0.	-100.
3400.	3400.	0.	0.	-100.
3600.	3600.	0.	0.	-100.
3800.	3800.	0.	0.	-100.
4000.	4000.	0.	0.	-100.
4200.	4200.	0.	0.	-100.
4400.	4400.	0.	0.	-100.
4600.	4600.	0.	0.	-100.
4800.	4800.	0.	0.	-100.
5000.	5000.	0.	0.	-100.
5200.	5200.	0.	0.	-100.
5400.	5400.	0.	0.	-100.
5600.	5600.	0.	0.	-100.
5750.	5750.	0.	0.	15.
5800.	5800.	0.	0.	-100.
6000.	6000.	0.	0.	-100.
6200.	6200.	0.	0.	-100.
6225.	6225.	0.	0.	12.
6400.	6400.	0.	0.	-100.
6600.	6600.	0.	0.	-100.
6800.	6800.	0.	0.	-100.
6810.	6810.	0.	0.	1. → 15
7000.	7000.	0.	0.	-100.
7200.	7200.	0.	0.	-100.
7276.	7276.	0.	0.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
12.25	765.	1012.
9.88	1012.	7276.

WELL: MCK 1 RD1  
 LOCATION: 1795162E 404423N  
 SURFACE ELEVATION: 2482.  
 CASING SHOE: 3023.  
 FLOWRATE (KLBS/HR): 125.

COMMENTS: DATA IS FOR SIDETRACKED WORKOVER.K.O.PT. AT 3259. FISH LEFT IN ORIGINAL HOLE FROM W.O./CLEANOUT EFFORT.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	19.	7.	-100.
400.	403.	35.	14.	-100.
600.	603.	48.	19.	-100.
800.	804.	59.	24.	-100.
1000.	1000.	68.	28.	0.
1200.	1205.	74.	31.	-100.
1400.	1400.	77.	33.	0.
1600.	1606.	78.	34.	-100.
1800.	1806.	76.	35.	-100.
2000.	2000.	72.	34.	0.
2200.	2205.	65.	33.	-100.
2400.	2404.	56.	30.	-100.
2600.	2603.	44.	27.	-100.
2800.	2802.	29.	23.	-100.
3000.	3001.	12.	18.	-100.
3023.	3023.	10.	17.	0.
3023.	3024.	10.	17.	-10.
3200.	3200.	-7.	12.	-100.
3315.	3314.	-20.	8.	0.
3400.	3398.	-31.	6.	-100.
3600.	3596.	-57.	-1.	-100.
3776.	3771.	-78.	-10.	0.
3800.	3795.	-80.	-12.	-100.
4000.	3994.	-101.	-28.	-100.
4200.	4192.	-121.	-45.	-100.
4334.	4325.	-135.	-57.	0.
4400.	4391.	-141.	-62.	-100.
4600.	4589.	-159.	-79.	-100.
4800.	4787.	-179.	-98.	-100.
5000.	4985.	-200.	-118.	-100.
5045.	5029.	-205.	-123.	0.
5200.	5182.	-221.	-144.	-100.
5400.	5379.	-245.	-171.	-100.
5600.	5576.	-270.	-197.	-100.
5800.	5772.	-299.	-224.	-100.
6000.	5968.	-329.	-250.	-100.
6030.	5997.	-334.	-254.	105.
6035.	6002.	-335.	-255.	0.
6200.	6163.	-363.	-277.	-100.
6400.	6358.	-399.	-303.	-100.
6580.	6533.	-433.	-326.	10.
6600.	6552.	-437.	-329.	-100.
6800.	6746.	-478.	-355.	10.
6822.	6768.	-483.	-358.	5.
7000.	6940.	-522.	-380.	-100.
7059.	6997.	-535.	-388.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	*****
	TOP	BOTTOM
8.75	3023.	7059.

WELL: MCK 2  
 LOCATION: 1795458E 403972N  
 SURFACE ELEVATION: 2482.  
 CASING SHOE: 2808.  
 FLOWRATE (KLBS/HR): 83.

COMMENTS: WELL WAS DISABLED BY LANDSLIDE.

*No logsite*

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	0.	0.	-100.
400.	400.	0.	0.	-100.
600.	600.	0.	0.	-100.
800.	800.	1.	1.	-100.
1000.	1000.	1.	1.	0.
1200.	1200.	2.	2.	-100.
1400.	1400.	2.	2.	0.
1600.	1600.	2.	2.	-100.
1800.	1800.	3.	3.	-100.
2000.	2000.	3.	3.	0.
2200.	2200.	3.	3.	-100.
2400.	2400.	4.	4.	-100.
2600.	2600.	4.	4.	-100.
2800.	2800.	4.	4.	-100.
2808.	2808.	4.	4.	-10.
3000.	3000.	4.	4.	0.
3200.	3200.	4.	4.	-100.
3400.	3400.	4.	4.	-100.
3600.	3600.	3.	3.	-100.
3800.	3800.	3.	3.	-100.
4000.	4000.	3.	3.	0.
4119.	4119.	3.	3.	1.
4200.	4200.	3.	3.	-100.
4400.	4400.	3.	3.	-100.
4600.	4600.	2.	2.	-100.
4735.	4735.	2.	2.	35.
4800.	4800.	2.	2.	-100.
4805.	4805.	2.	2.	35.
5000.	5000.	2.	2.	-100.
5200.	5200.	2.	2.	-100.
5400.	5400.	2.	2.	-100.
5478.	5478.	2.	2.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
8.75	2808.	5478.

WELL: MCK 3  
 LOCATION: 1795504E 403346N  
 SURFACE ELEVATION: 2478.  
 CASING SHOE: 2507.  
 FLOWRATE (KLBS/HR): 145.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-4.	-4.	-100.
400.	400.	-7.	-5.	-100.
600.	600.	-10.	-3.	-100.
800.	800.	-13.	1.	-100.
1000.	1000.	-16.	8.	0.
1200.	1200.	-20.	18.	-100.
1400.	1399.	-21.	30.	0.
1600.	1598.	-20.	44.	-100.
1800.	1798.	-18.	58.	-100.
2000.	1997.	-15.	73.	0.
2200.	2196.	-9.	91.	-100.
2400.	2395.	-3.	109.	-100.
2507.	2502.	0.	118.	-10.
2600.	2595.	3.	126.	-100.
2800.	2794.	10.	142.	-100.
3000.	2993.	17.	157.	0.
3200.	3192.	23.	184.	-100.
3400.	3392.	30.	205.	-100.
3565.	3556.	37.	216.	1.
3600.	3591.	38.	217.	-100.
3624.	3615.	40.	218.	1.
3675.	3665.	42.	220.	1.
3800.	3790.	48.	223.	-100.
4000.	3989.	60.	221.	0.
4154.	4142.	70.	214.	140.
4200.	4188.	73.	212.	0.
4225.	4213.	74.	211.	50.
4245.	4233.	75.	210.	50.
4270.	4258.	77.	208.	50.
4400.	4388.	82.	200.	0.
4600.	4587.	81.	181.	-100.
4800.	4786.	80.	163.	-100.
5000.	4985.	80.	147.	0.
5125.	5109.	79.	138.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
8.75	2507.	5184.

WELL: MCK 4  
 LOCATION: 1795195E 402905N  
 SURFACE ELEVATION: 2478.  
 CASING SHOE: 2489.  
 FLOWRATE (KLBS/HR): 93.

COMMENTS: FISH LEFT IN HOLE, 83 JTS DRILLPIPE, 20 6" COLLARS, TOP AT 5240'. B.H. LOC  
 TAKEN FROM 1:500 MAP. DIRECTIONAL CONTROL ONLY TO 1800'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	2.	-100.
400.	400.	-2.	4.	-100.
500.	500.	-2.	6.	0.
600.	600.	-3.	7.	-100.
800.	800.	-5.	12.	-100.
1000.	1000.	-4.	17.	0.
1200.	1199.	-2.	23.	-100.
1235.	1234.	-2.	24.	1.
1400.	1399.	1.	31.	-100.
1500.	1499.	3.	35.	0.
1600.	1599.	7.	40.	-100.
1800.	1799.	13.	50.	0.
1820.	1819.	14.	51.	1.
2000.	1999.	19.	60.	-100.
2200.	2199.	25.	69.	-100.
2400.	2398.	30.	78.	-100.
2489.	2487.	33.	82.	-10.
2600.	2598.	36.	87.	-100.
2800.	2797.	40.	95.	-100.
3000.	2997.	45.	103.	-100.
3200.	3196.	49.	111.	-100.
3280.	3276.	51.	114.	1.
3400.	3395.	54.	119.	-100.
3600.	3594.	57.	126.	-100.
3800.	3793.	61.	133.	-100.
3915.	3905.	63.	137.	0.
4000.	3992.	64.	139.	-100.
4010.	4002.	64.	140.	60.
4200.	4191.	67.	146.	-100.
4400.	4390.	70.	152.	-100.
4426.	4416.	70.	153.	40.
4600.	4588.	72.	158.	-100.
4800.	4787.	74.	163.	-100.
5000.	4985.	76.	168.	-100.
5200.	5184.	78.	173.	-100.
5400.	5382.	79.	178.	-100.
5600.	5580.	80.	182.	-100.
5800.	5778.	81.	186.	-100.
6000.	5976.	81.	190.	-100.
6200.	6174.	82.	193.	-100.
6400.	6371.	81.	196.	-100.
6600.	6569.	81.	199.	-100.
6800.	6767.	80.	201.	-100.
7000.	6964.	79.	203.	-100.
7200.	7161.	78.	205.	-100.
7400.	7359.	77.	207.	-100.
7600.	7556.	75.	208.	-100.
7800.	7753.	73.	209.	-100.
8000.	7950.	71.	210.	-100.
8049.	7998.	70.	210.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
8.75	2489.	8049.

WELL: MCK 5  
 LOCATION: 1794768E 406257N  
 SURFACE ELEVATION: 2322.  
 CASING SHOE: 2500.  
 FLOWRATE (KLBS/HR): 45.

COMMENTS: CONVERTED TO INJECTION  
 WELL WITH 7" LINER TO 5700'. ORIGINAL UNIT 13 INJ WELL. INJEC. DIVIDED  
 BETWEEN MCK 5 & TH 7 IN MAY, 1985.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	5.	0.	-100.
400.	400.	10.	0.	-100.
600.	600.	13.	-1.	-100.
800.	800.	16.	-2.	-100.
1000.	1000.	19.	-4.	0.
1200.	1200.	22.	-6.	-100.
1400.	1400.	24.	-10.	-100.
1600.	1600.	24.	-13.	-100.
1800.	1800.	22.	-18.	-100.
2000.	2000.	18.	-23.	0.
2200.	2200.	9.	-29.	-100.
2400.	2399.	0.	-36.	-100.
2500.	2499.	-5.	-39.	-10.
2600.	2599.	-10.	-43.	-100.
2800.	2798.	-21.	-50.	-100.
3000.	2998.	-34.	-57.	-100.
3174.	3171.	-45.	-64.	0.
3200.	3197.	-46.	-65.	-100.
3400.	3397.	-59.	-72.	-100.
3600.	3596.	-73.	-80.	-100.
3761.	3756.	-87.	-87.	10.
3800.	3795.	-90.	-89.	-100.
3975.	3969.	-107.	-97.	10.
3996.	3990.	-109.	-98.	0.
4000.	3994.	-109.	-98.	-100.
4200.	4192.	-133.	-107.	-100.
4400.	4390.	-158.	-117.	-100.
4600.	4588.	-185.	-128.	-100.
4800.	4785.	-213.	-140.	-100.
5000.	4983.	-243.	-153.	-100.
5099.	5080.	-259.	-160.	0.
5200.	5179.	-278.	-168.	-100.
5400.	5375.	-315.	-185.	-100.
5600.	5571.	-351.	-201.	-100.
5800.	5767.	-385.	-217.	-100.
5927.	5892.	-407.	-228.	0.
6000.	5964.	-419.	-236.	-100.
6200.	6160.	-451.	-256.	-100.
6230.	6190.	-455.	-259.	1.
6400.	6357.	-482.	-274.	-100.
6420.	6376.	-485.	-276.	1.
6600.	6554.	-513.	-291.	-100.
6800.	6750.	-543.	-306.	-100.
7000.	6948.	-573.	-319.	-100.
7037.	6984.	-579.	-321.	0.
7200.	7145.	-604.	-329.	-100.
7375.	7318.	-631.	-337.	1.
7400.	7342.	-635.	-338.	-100.
7508.	7449.	-650.	-342.	50.
7530.	7471.	-654.	-343.	50.
7600.	7540.	-664.	-346.	-100.
7800.	7738.	-692.	-353.	-100.
8000.	7935.	-718.	-358.	-100.
8151.	8085.	-738.	-362.	0.
8200.	8134.	-744.	-363.	-100.
8400.	8332.	-769.	-367.	-100.
8600.	8530.	-792.	-369.	-100.
8800.	8729.	-815.	-371.	-100.
8903.	8831.	-826.	-371.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
8.75	2500.		8195.
8.50	8195.		8903.

WELL: MCK 6  
 LOCATION: 1795472E 403464N  
 SURFACE ELEVATION: 2478.  
 CASING SHOE: 2556.  
 FLOWRATE (KLBS/HR): 117.

COMMENTS: UNSTABLE SURFACE LOC. REQUIRED PLUGGING WELL

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	0.	2.	-100.
400.	400.	-1.	2.	-100.
600.	600.	-1.	1.	-100.
800.	800.	0.	-1.	-100.
1000.	1000.	0.	-5.	-100.
1079.	1079.	0.	-7.	0.
1200.	1200.	0.	-13.	-100.
1400.	1400.	1.	-18.	-100.
1449.	1449.	2.	-18.	0.
1560.	1560.	4.	-14.	1.
1600.	1600.	4.	-13.	-100.
1800.	1799.	9.	-4.	-100.
2000.	1999.	13.	8.	-100.
2003.	2002.	13.	8.	0.
2200.	2200.	15.	16.	-100.
2400.	2399.	21.	34.	-100.
2530.	2527.	28.	50.	0.
2556.	2552.	30.	56.	-10.
2600.	2595.	34.	66.	-100.
2800.	2789.	52.	109.	-100.
3000.	2983.	71.	150.	-100.
3090.	3071.	81.	167.	0.
3200.	3181.	87.	181.	-100.
3400.	3380.	103.	208.	-100.
3600.	3576.	124.	239.	-100.
3800.	3771.	152.	272.	-100.
4000.	3964.	185.	309.	-100.
4090.	4050.	202.	327.	0.
4160.	4117.	218.	342.	40.
4200.	4155.	227.	350.	-100.
4400.	4344.	276.	395.	-100.
4490.	4429.	299.	416.	20.
4570.	4504.	320.	435.	20.
4600.	4532.	328.	442.	-100.
4800.	4717.	384.	491.	-100.
5000.	4900.	443.	543.	-100.
5010.	4909.	446.	546.	0.
5200.	5078.	513.	602.	-100.
5400.	5255.	583.	662.	-100.
5600.	5432.	653.	721.	-100.
5800.	5609.	724.	780.	-100.
5900.	5698.	759.	810.	40.
5953.	5745.	778.	826.	0.
6000.	5787.	795.	840.	20.
6050.	5831.	812.	855.	10.
6200.	5964.	866.	900.	-100.
6400.	6141.	937.	960.	-100.
6515.	6243.	978.	994.	1.
6600.	6318.	1008.	1019.	-100.
6627.	6342.	1018.	1028.	20.
6800.	6495.	1079.	1080.	-100.
7000.	6672.	1151.	1140.	-100.
7015.	6685.	1156.	1144.	1.
7134.	6790.	1199.	1180.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM *****
8.75	2556.	7134.

WELL: MCK 8  
 LOCATION: 1795424E 405023N  
 SURFACE ELEVATION: 2562.  
 CASING SHOE: 2018.  
 FLOWRATE (KLBS/HR): 180.

COMMENTS: W'OVER ATTEMPT TO SEAL OFF WATER ZONE AT 2090 RESULTED IN A FISH LEFT IN HOLE AND ABANDONEMENT OF WELL.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	195.	7.	1.	-100.
400.	391.	13.	2.	-100.
600.	587.	15.	3.	-100.
800.	784.	15.	3.	-100.
1000.	981.	13.	2.	-100.
1200.	1179.	9.	2.	-100.
1400.	1377.	2.	1.	-100.
1600.	1576.	-7.	-1.	-100.
1800.	1775.	-19.	-3.	-100.
2000.	1975.	-33.	-5.	-100.
2018.	1993.	-35.	-5.	-10.
2091.	2067.	-40.	-6.	1.
2200.	2176.	-50.	-7.	-100.
2400.	2377.	-69.	-10.	-100.
2600.	2578.	-90.	-13.	-100.
2800.	2780.	-114.	-17.	-100.
3000.	2983.	-140.	-21.	-100.
3188.	3174.	-167.	-25.	0.
3200.	3187.	-169.	-26.	-100.
3400.	3396.	-204.	-31.	-100.
3600.	3596.	-235.	-36.	-100.
3636.	3631.	-240.	-37.	0.
3800.	3782.	-263.	-41.	-100.
4000.	3971.	-287.	-45.	-100.
4024.	3994.	-290.	-46.	0.
4200.	4169.	-305.	-49.	-100.
4230.	4199.	-308.	-49.	30.
4400.	4369.	-321.	-52.	-100.
4568.	4536.	-334.	-55.	0.
4600.	4568.	-336.	-55.	-100.
4800.	4768.	-347.	-58.	-100.
5000.	4967.	-361.	-62.	-100.
5097.	5064.	-368.	-64.	0.
5200.	5167.	-376.	-66.	-100.
5400.	5366.	-394.	-71.	-100.
5600.	5565.	-414.	-77.	-100.
5800.	5763.	-435.	-83.	-100.
6000.	5962.	-459.	-89.	-100.
6200.	6160.	-485.	-96.	-100.
6280.	6239.	-496.	-99.	25.
6330.	6289.	-503.	-101.	25.
6400.	6358.	-513.	-103.	-100.
6600.	6556.	-543.	-111.	-100.
6800.	6753.	-575.	-120.	-100.
7000.	6951.	-609.	-129.	-100.
7200.	7148.	-646.	-138.	-100.
7400.	7345.	-684.	-148.	-100.
7450.	7394.	-694.	-151.	0.

OPEN HOLE DESCRIPTION  
 \*\*\*\*\* INTERVAL \*\*\*\*\*  
 SIZE (IN) TOP BOTTOM  
 10.63 2018. 7450.

WELL: MCK 9 OH  
 LOCATION: 1796489E 405419N  
 SURFACE ELEVATION: 2190.  
 CASING SHOE: 3650.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: FISH LEFT IN HOLE. PBTD 3656.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-4.	-2.	-100.
400.	400.	-8.	-4.	-100.
600.	600.	-13.	-6.	-100.
800.	800.	-18.	-8.	-100.
940.	940.	-21.	-10.	0.
1000.	1000.	-23.	-12.	-100.
1200.	1199.	-29.	-15.	-100.
1400.	1399.	-34.	-18.	-100.
1499.	1498.	-36.	-19.	0.
1600.	1599.	-34.	-18.	-100.
1800.	1800.	-35.	-18.	-100.
2000.	1999.	-43.	-21.	-100.
2050.	2049.	-46.	-22.	0.
2200.	2198.	-59.	-26.	-100.
2400.	2397.	-82.	-33.	-100.
2543.	2538.	-102.	-39.	0.
2600.	2594.	-113.	-41.	-100.
2800.	2790.	-151.	-51.	-100.
3000.	2986.	-191.	-63.	-100.
3072.	3056.	-205.	-68.	0.
3200.	3181.	-231.	-77.	-100.
3279.	3258.	-247.	-83.	0.
3400.	3376.	-272.	-92.	-100.
3600.	3571.	-312.	-106.	-100.
3650.	3620.	-322.	-110.	-10.
3756.	3723.	-344.	-117.	40.
3800.	3766.	-353.	-121.	-100.
4000.	3962.	-393.	-135.	-100.
4200.	4157.	-434.	-149.	-100.
4389.	4341.	-472.	-163.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
8.75	3650.	4389.

WELL: MCK 9 RD3  
 LOCATION: 1796489E 405419N  
 SURFACE ELEVATION: 2190.  
 CASING SHOE: 3275.  
 FLOWRATE (KLBS/HR): 185.

COMMENTS: CSG SHOE DEPTH INDICATED IS TOP OF WINDOW IN OH 9.625 IN CSG. FISH IN HOLE. TOP AT 6548.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-5.	-2.	-100.
400.	400.	-10.	-4.	-100.
600.	600.	-14.	-6.	-100.
800.	800.	-19.	-9.	-100.
940.	940.	-21.	-10.	0.
1000.	1000.	-20.	-11.	-100.
1200.	1200.	-19.	-12.	-100.
1400.	1400.	-21.	-14.	-100.
1600.	1600.	-27.	-17.	-100.
1800.	1799.	-38.	-20.	-100.
1873.	1872.	-42.	-22.	0.
2000.	1999.	-50.	-22.	-100.
2200.	2198.	-67.	-26.	-100.
2400.	2397.	-89.	-31.	-100.
2600.	2594.	-116.	-40.	-100.
2730.	2722.	-136.	-46.	0.
2800.	2790.	-150.	-53.	-100.
3000.	2985.	-191.	-71.	-100.
3200.	3179.	-235.	-87.	-100.
3275.	3252.	-251.	-93.	-10.
3400.	3373.	-280.	-102.	-100.
3559.	3527.	-318.	-113.	0.
3600.	3567.	-328.	-115.	-100.
3800.	3760.	-378.	-124.	-100.
4000.	3953.	-430.	-135.	-100.
4093.	4043.	-455.	-141.	20.
4200.	4145.	-485.	-147.	-100.
4276.	4218.	-506.	-152.	0.
4400.	4337.	-542.	-161.	-100.
4435.	4370.	-552.	-163.	15.
4600.	4527.	-602.	-175.	-100.
4650.	4575.	-617.	-179.	28.
4662.	4586.	-620.	-180.	28.
4800.	4717.	-663.	-191.	-100.
5000.	4905.	-728.	-207.	-100.
5200.	5093.	-794.	-224.	-100.
5275.	5163.	-820.	-231.	0.
5400.	5279.	-866.	-244.	-100.
5600.	5463.	-941.	-264.	-100.
5768.	5618.	-1003.	-281.	14.
5787.	5636.	-1010.	-283.	41.
5800.	5648.	-1015.	-284.	-100.
5827.	5673.	-1025.	-287.	130.
6000.	5832.	-1089.	-304.	-100.
6200.	6017.	-1164.	-323.	-100.
6213.	6028.	-1169.	-324.	0.
6348.	6153.	-1219.	-336.	50.
6400.	6201.	-1239.	-341.	-100.
6600.	6386.	-1314.	-359.	-100.
6800.	6570.	-1389.	-377.	-100.
7000.	6754.	-1464.	-394.	-100.
7127.	6871.	-1512.	-404.	0.

OPEN HOLE DESCRIPTION

\*\*\*\* INTERVAL \*\*\*\*\*  
 SIZE (IN) TOP BOTTOM  
 8:75 3275. 7127.

WELL: MCK 10  
 LOCATION: 1795940E 402356N  
 SURFACE ELEVATION: 2367.  
 CASING SHOE: 2998.  
 FLOWRATE (KLBS/HR): 292.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	0.	2.	-100.
400.	400.	0.	6.	-100.
600.	600.	0.	10.	-100.
800.	800.	1.	16.	-100.
854.	854.	1.	18.	0.
1000.	1000.	0.	22.	-100.
1200.	1200.	0.	30.	-100.
1400.	1400.	2.	38.	-100.
1600.	1599.	6.	48.	-100.
1787.	1786.	11.	57.	0.
1800.	1799.	12.	58.	-100.
2000.	1998.	26.	67.	-100.
2200.	2197.	38.	78.	-100.
2400.	2396.	49.	92.	-100.
2600.	2595.	58.	108.	-100.
2662.	2657.	60.	114.	0.
2800.	2794.	62.	129.	-100.
2998.	2991.	65.	151.	-10.
3000.	2993.	65.	151.	-100.
3200.	3191.	69.	175.	-100.
3400.	3390.	72.	202.	-100.
3600.	3588.	76.	230.	-100.
3602.	3590.	76.	230.	0.
3800.	3789.	77.	257.	-100.
4000.	3989.	80.	288.	-100.
4200.	4187.	84.	322.	-100.
4310.	4296.	86.	341.	22.
4320.	4306.	86.	343.	14.
4372.	4357.	87.	353.	6.
4400.	4384.	88.	358.	-100.
4600.	4580.	93.	398.	-100.
4612.	4592.	94.	400.	0.
4665.	4644.	94.	410.	78.
4800.	4777.	97.	435.	-100.
5000.	4971.	102.	478.	-100.
5135.	5101.	107.	510.	18.
5200.	5164.	110.	526.	-100.
5400.	5354.	120.	580.	-100.
5600.	5543.	132.	639.	-100.
5644.	5584.	135.	653.	0.
5800.	5734.	145.	704.	-100.
6000.	5922.	162.	776.	-100.
6200.	6105.	181.	852.	-100.
6400.	6284.	203.	935.	-100.
6600.	6459.	228.	1025.	-100.
6665.	6515.	237.	1055.	0.
6800.	6630.	256.	1120.	-100.
7000.	6797.	288.	1223.	-100.
7175.	6940.	318.	1318.	25.
7189.	6951.	320.	1326.	14.
7200.	6960.	322.	1332.	-100.
7400.	7120.	360.	1449.	-100.
7410.	7128.	362.	1455.	8.
7545.	7233.	389.	1538.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
12.25	3005.		5021.
8.75	5021.		7545.

WELL: MCK 11  
 LOCATION: 1795943E 402337N  
 SURFACE ELEVATION: 2367.  
 CASING SHOE: 2949.  
 FLOWRATE (KLBS/HR): 109.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	9.	-1.	-100.
400.	400.	17.	-2.	-100.
600.	600.	25.	-2.	-100.
800.	800.	33.	-3.	-100.
1000.	1000.	40.	-4.	-100.
1012.	1012.	41.	-4.	0.
1200.	1200.	46.	-7.	-100.
1400.	1400.	52.	-10.	-100.
1600.	1600.	59.	-11.	-100.
1800.	1799.	66.	-11.	-100.
2000.	1999.	74.	-9.	-100.
2046.	2045.	76.	-9.	0.
2200.	2200.	94.	4.	-100.
2400.	2400.	106.	11.	-100.
2600.	2599.	106.	7.	-100.
2661.	2659.	103.	4.	0.
2800.	2795.	86.	-12.	-100.
2824.	2819.	83.	-15.	-1.
2949.	2942.	68.	-31.	-10.
3000.	2992.	61.	-37.	-100.
3097.	3087.	49.	-50.	0.
3200.	3188.	35.	-63.	-100.
3400.	3384.	9.	-91.	-100.
3600.	3580.	-18.	-120.	-100.
3620.	3600.	-21.	-123.	0.
3653.	3633.	-25.	-127.	5.
3800.	3778.	-42.	-146.	-100.
4000.	3973.	-71.	-178.	-100.
4086.	4056.	-86.	-195.	0.
4200.	4164.	-111.	-223.	-100.
4400.	4352.	-156.	-274.	-100.
4468.	4416.	-172.	-292.	11.
4600.	4539.	-203.	-327.	-100.
4642.	4578.	-213.	-339.	0.
4800.	4724.	-252.	-386.	-100.
5000.	4908.	-303.	-444.	-100.
5109.	5008.	-332.	-475.	0.
5200.	5094.	-355.	-497.	-100.
5400.	5280.	-408.	-549.	-100.
5450.	5327.	-422.	-562.	6.
5600.	5465.	-465.	-603.	-100.
5615.	5478.	-469.	-607.	5.
5800.	5646.	-525.	-660.	-100.
5942.	5774.	-569.	-702.	10.
6000.	5825.	-588.	-719.	-100.
6031.	5853.	-598.	-729.	0.
6200.	6005.	-655.	-781.	-100.
6400.	6181.	-726.	-846.	-100.
6600.	6354.	-800.	-914.	-100.
6800.	6523.	-877.	-986.	-100.
7000.	6688.	-958.	-1062.	-100.
7083.	6756.	-993.	-1094.	0.
7200.	6850.	-1043.	-1141.	-100.
7400.	7009.	-1131.	-1223.	-100.
7571.	7142.	-1210.	-1297.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	*****
	TOP	BOTTOM
12.25	2952.	6690.
10.63	6690.	7571.

WELL: MCK 12  
 LOCATION: 1795947E 402317N  
 SURFACE ELEVATION: 2367.  
 CASING SHOE: 2940.  
 FLOWRATE (KLBS/HR): 306.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	2.	-1.	-100.
400.	400.	5.	-1.	-100.
600.	600.	9.	0.	-100.
800.	800.	13.	2.	-100.
1000.	1000.	17.	5.	-100.
1045.	1045.	18.	6.	0.
1200.	1200.	22.	12.	-100.
1400.	1400.	28.	20.	-100.
1600.	1600.	34.	27.	-100.
1800.	1800.	41.	34.	-100.
2000.	1999.	48.	40.	-100.
2066.	2065.	50.	42.	0.
2200.	2199.	53.	46.	-100.
2400.	2399.	59.	52.	-100.
2600.	2598.	66.	57.	-100.
2800.	2798.	76.	63.	-100.
2940.	2937.	83.	66.	-10.
3000.	2997.	87.	67.	-100.
3043.	3040.	89.	69.	0.
3200.	3188.	102.	74.	-100.
3395.	3383.	119.	80.	42.
3400.	3388.	119.	80.	-100.
3600.	3587.	136.	84.	-100.
3800.	3786.	153.	87.	-100.
4000.	3985.	171.	89.	-100.
4063.	4055.	177.	89.	0.
4200.	4192.	187.	89.	-100.
4400.	4391.	203.	88.	-100.
4600.	4590.	221.	85.	-100.
4800.	4789.	242.	81.	-100.
5000.	4988.	264.	76.	-100.
5079.	5066.	274.	73.	0.
5200.	5187.	286.	72.	-100.
5305.	5292.	299.	69.	9.
5400.	5387.	311.	66.	-100.
5426.	5412.	314.	65.	6.
5524.	5509.	328.	61.	12.
5600.	5584.	339.	56.	-100.
5758.	5740.	366.	46.	4.
5767.	5749.	367.	46.	12.
5800.	5781.	373.	43.	-100.
6000.	5976.	411.	26.	-100.
6022.	5997.	416.	24.	6.
6067.	6041.	425.	19.	0.
6070.	6044.	426.	19.	40.
6200.	6170.	454.	5.	-100.
6310.	6276.	480.	-8.	5.
6400.	6362.	502.	-20.	-100.
6515.	6472.	532.	-36.	12.
6600.	6553.	555.	-49.	-100.
6700.	6648.	583.	-65.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
17.50	2940.	2947.
12.25	2947.	6367.
10.63	6367.	6700.

WELL: MCK 13  
 LOCATION: 1795951E 402288N  
 SURFACE ELEVATION: 2367.  
 CASING SHOE: 2982.  
 FLOWRATE (KLBS/HR): 150.

COMMENTS: SPUD 8/20/87. TD 10/04/87.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	0.	-100.
400.	400.	-1.	2.	-100.
600.	600.	0.	5.	-100.
800.	799.	2.	11.	-100.
1000.	999.	4.	19.	-100.
1049.	1048.	5.	22.	0.
1200.	1199.	2.	32.	-100.
1400.	1399.	1.	47.	-100.
1600.	1599.	6.	62.	-100.
1800.	1798.	15.	77.	-100.
2000.	1997.	30.	92.	-100.
2064.	2060.	36.	96.	0.
2200.	2195.	52.	106.	-100.
2400.	2392.	78.	121.	-100.
2600.	2589.	108.	136.	-100.
2800.	2786.	140.	152.	-100.
2838.	2823.	147.	155.	0.
2982.	2964.	173.	167.	-10.
3000.	2982.	176.	169.	-100.
3200.	3177.	215.	185.	-100.
3400.	3372.	257.	202.	-100.
3600.	3566.	302.	219.	-100.
3622.	3587.	307.	221.	6.
3800.	3759.	350.	237.	-100.
3805.	3764.	351.	237.	0.
4000.	3952.	400.	251.	-100.
4200.	4144.	454.	268.	-100.
4400.	4334.	512.	288.	-100.
4461.	4392.	530.	294.	0.
4464.	4395.	531.	294.	8.
4484.	4414.	537.	297.	3.
4600.	4522.	575.	313.	-100.
4781.	4691.	635.	338.	3.
4800.	4709.	641.	341.	-100.
5000.	4895.	710.	367.	-100.
5200.	5080.	781.	394.	-100.
5292.	5165.	814.	406.	0.
5400.	5263.	856.	422.	-100.
5600.	5446.	933.	449.	-100.
5800.	5629.	1010.	474.	-100.
5842.	5667.	1027.	479.	3.
6000.	5812.	1087.	497.	-100.
6050.	5858.	1106.	502.	0.
6103.	5907.	1126.	507.	18.
6200.	5996.	1162.	515.	-100.
6400.	6181.	1238.	533.	-100.
6561.	6329.	1299.	548.	5.
6580.	6346.	1306.	550.	6.
6600.	6365.	1313.	552.	-100.
6633.	6395.	1326.	555.	0.
6800.	6551.	1384.	571.	-100.
7000.	6736.	1458.	590.	-100.
7200.	6919.	1537.	610.	-100.
7400.	7099.	1620.	631.	-100.
7407.	7105.	1623.	632.	0.
7600.	7276.	1708.	653.	-100.
7715.	7377.	1761.	665.	3.
7800.	7451.	1802.	675.	-100.
8000.	7624.	1900.	698.	-100.
8200.	7794.	2004.	721.	-100.
8259.	7844.	2036.	728.	0.

OPEN HOLE DESCRIPTION  
 \*\*\*\*\*  
 SIZE (IN)      TOP      INTERVAL      BOTTOM  
 12.25      2982.      8259.

WELL: MCK 15  
 LOCATION: 1796878E 401498N  
 SURFACE ELEVATION: 2558.  
 CASING SHOE: 3518.  
 FLOWRATE (KLBS/HR): 216.

COMMENTS: WELL RENAMED. ORIGINALLY 958-15. KICKED OFF MCK-15 FROM 958-15 AT 2704.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	5.	3.	-100.
400.	400.	8.	4.	-100.
600.	599.	9.	3.	-100.
800.	799.	10.	0.	-100.
1000.	999.	8.	-4.	-100.
1090.	1089.	7.	-7.	0.
1200.	1200.	-3.	-10.	-100.
1400.	1400.	-14.	-17.	-100.
1600.	1599.	-18.	-28.	-100.
1800.	1798.	-13.	-42.	-100.
1822.	1820.	-12.	-44.	0.
2000.	1997.	1.	-58.	-100.
2200.	2195.	23.	-79.	-100.
2400.	2391.	52.	-104.	-100.
2493.	2481.	67.	-117.	0.
2600.	2585.	88.	-135.	-100.
2704.	2685.	108.	-151.	0.
2725.	2705.	112.	-154.	0.
2800.	2779.	125.	-164.	-100.
2876.	2853.	137.	-174.	0.
3000.	2974.	153.	-193.	-100.
3117.	3089.	167.	-211.	0.
3200.	3170.	176.	-224.	-100.
3366.	3333.	195.	-251.	0.
3400.	3366.	199.	-257.	-100.
3518.	3482.	212.	-277.	-10.
3600.	3562.	222.	-291.	0.
3784.	3742.	244.	-323.	0.
3800.	3758.	246.	-326.	-100.
4000.	3952.	273.	-365.	-100.
4067.	4017.	282.	-379.	0.
4200.	4145.	302.	-411.	-100.
4400.	4336.	331.	-459.	-100.
4535.	4466.	350.	-491.	0.
4579.	4508.	356.	-502.	4.
4600.	4528.	359.	-507.	-100.
4605.	4533.	360.	-508.	5.
4800.	4720.	387.	-555.	-100.
4810.	4730.	389.	-557.	12.
4860.	4778.	395.	-569.	2.
4910.	4826.	402.	-581.	0.
5000.	4913.	414.	-602.	-100.
5020.	4932.	417.	-607.	25.
5033.	4944.	419.	-610.	30.
5075.	4985.	425.	-619.	15.
5200.	5105.	441.	-648.	-100.
5400.	5298.	464.	-695.	-100.
5600.	5492.	486.	-742.	-100.
5679.	5568.	494.	-760.	0.
5800.	5686.	506.	-784.	-100.
6000.	5881.	524.	-828.	-100.
6200.	6074.	539.	-876.	-100.
6400.	6267.	551.	-928.	-100.
6449.	6314.	553.	-941.	0.
6600.	6459.	559.	-985.	-100.
6720.	6573.	563.	-1021.	4.
6800.	6650.	565.	-1046.	-100.
7000.	6839.	567.	-1110.	-100.
7070.	6905.	567.	-1133.	0.
7200.	7027.	566.	-1177.	-100.
7400.	7214.	563.	-1247.	-100.
7544.	7348.	558.	-1299.	0.

OPEN HOLE DESCRIPTION  
 \*\*\*\*\*  
 SIZE (IN) TOP INTERVAL BOTTOM  
 12.25 3518. 7544.

WELL: MLM 1  
 LOCATION: 1796993E 403448N  
 SURFACE ELEVATION: 2238.  
 CASING SHOE: 2504.  
 FLOWRATE (KLBS/HR): 190.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	2.	-100.
400.	400.	3.	4.	-100.
600.	600.	5.	7.	-100.
800.	800.	8.	9.	-100.
1000.	1000.	11.	12.	0.
1200.	1200.	16.	12.	-100.
1400.	1400.	20.	13.	-100.
1600.	1600.	25.	16.	-100.
1800.	1799.	30.	21.	-100.
2000.	1999.	35.	28.	0.
2200.	2198.	43.	37.	-100.
2400.	2398.	50.	48.	-100.
2504.	2501.	53.	54.	-10.
2600.	2597.	56.	60.	-100.
2800.	2797.	62.	73.	-100.
3000.	2996.	67.	87.	0.
3200.	3195.	71.	104.	-100.
3400.	3394.	75.	121.	-100.
3600.	3594.	78.	138.	-100.
3800.	3793.	81.	156.	-100.
4000.	3992.	83.	173.	0.
4200.	4191.	80.	188.	-100.
4400.	4391.	79.	205.	-100.
4462.	4453.	80.	210.	60.
4567.	4557.	80.	219.	60.
4600.	4590.	80.	222.	-100.
4800.	4789.	83.	240.	-100.
5000.	4988.	88.	259.	0.
5200.	5186.	94.	286.	-100.
5400.	5385.	103.	310.	-100.
5600.	5583.	113.	332.	-100.
5754.	5736.	123.	347.	20.
5800.	5782.	126.	351.	-100.
5964.	5944.	137.	365.	140.
6000.	5980.	140.	368.	0.
6171.	6150.	154.	381.	20.
6200.	6179.	156.	383.	-100.
6303.	6281.	166.	389.	50.
6353.	6330.	170.	392.	50.
6400.	6377.	175.	395.	0.
6411.	6388.	176.	396.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
8.75	2504.	5790.
8.50	5790.	6116.
7.88	6116.	6411.

WELL: MLM 2  
 LOCATION: 1796277E 405520N  
 SURFACE ELEVATION: 2193.  
 CASING SHOE: 4176.  
 FLOWRATE (KLBS/HR): 154.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	-4.	-14.	-100.
400.	402.	-9.	-21.	-100.
600.	602.	-15.	-21.	-100.
800.	801.	-22.	-14.	-100.
1000.	999.	-30.	-1.	-100.
1045.	1044.	-32.	3.	0.
1200.	1198.	-38.	24.	-100.
1400.	1395.	-48.	55.	-100.
1600.	1591.	-58.	90.	-100.
1800.	1786.	-70.	130.	-100.
2000.	1980.	-84.	174.	-100.
2061.	2039.	-88.	188.	0.
2200.	2172.	-99.	227.	-100.
2400.	2363.	-116.	285.	-100.
2600.	2553.	-134.	344.	-100.
2800.	2743.	-153.	404.	-100.
3000.	2932.	-172.	466.	-100.
3036.	2966.	-176.	477.	0.
3084.	3011.	-182.	493.	25.
3200.	3119.	-198.	533.	-100.
3400.	3305.	-223.	601.	-100.
3402.	3307.	-223.	601.	20.
3600.	3493.	-246.	667.	-100.
3800.	3680.	-268.	733.	-100.
4000.	3868.	-289.	798.	-100.
4084.	3947.	-297.	825.	0.
4176.	4035.	-305.	851.	-10.
4200.	4058.	-307.	857.	-100.
4400.	4249.	-324.	915.	-100.
4600.	4439.	-340.	974.	-100.
4748.	4579.	-351.	1020.	30.
4800.	4628.	-355.	1037.	-100.
4960.	4779.	-366.	1088.	10.
5000.	4817.	-369.	1101.	-100.
5033.	4848.	-371.	1112.	100.
5200.	5005.	-381.	1168.	-100.
5209.	5013.	-382.	1171.	0.
5400.	5191.	-396.	1240.	-100.
5600.	5377.	-407.	1313.	-100.
5651.	5424.	-410.	1332.	10.
5800.	5563.	-416.	1387.	-100.
6000.	5748.	-422.	1461.	-100.
6046.	5791.	-423.	1478.	0.
6200.	5934.	-425.	1535.	-100.
6400.	6119.	-425.	1610.	-100.
6533.	6242.	-424.	1661.	40.
6600.	6304.	-422.	1686.	-100.
6800.	6489.	-417.	1762.	-100.
6822.	6509.	-416.	1770.	20.
7000.	6673.	-408.	1838.	-100.
7081.	6748.	-404.	1870.	80.
7200.	6858.	-397.	1915.	-100.
7400.	7042.	-383.	1993.	-100.
7508.	7141.	-374.	2035.	0.

- 139 800

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM *****
8.75	4176.	7508.

WELL: MLM 3  
 LOCATION: 1800920E 401726N  
 SURFACE ELEVATION: 1980.  
 CASING SHOE: 4300.  
 FLOWRATE (KLBS/HR): 30.

COMMENTS: ORIGINALLY MLM 3 RD. PLUGGED BACK AND REDRILLED BECAUSE NONCOMMERCIAL.  
 DATA IN WELL FILES UNDER BARROWS 3. NAME CHANGE DUE TO B.H.LOCATION.

*Barrows-3  
 originally called  
 MLM-3 RD*

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	6.	1.	-100.
400.	400.	14.	6.	-100.
600.	599.	23.	15.	-100.
800.	798.	33.	26.	-100.
1000.	997.	44.	41.	-100.
1114.	1110.	51.	51.	0.
1200.	1196.	54.	61.	-100.
1400.	1395.	64.	85.	-100.
1600.	1593.	78.	111.	-100.
1800.	1790.	97.	139.	-100.
2000.	1986.	120.	169.	-100.
2029.	2014.	124.	173.	0.
2200.	2180.	150.	205.	-100.
2400.	2374.	185.	242.	-100.
2600.	2566.	222.	278.	-100.
2800.	2759.	263.	314.	-100.
3000.	2950.	307.	350.	-100.
3022.	2971.	312.	354.	0.
3200.	3142.	353.	385.	-100.
3400.	3334.	402.	420.	-100.
3600.	3523.	456.	454.	-100.
3800.	3711.	515.	488.	-100.
4000.	3897.	578.	520.	-100.
4014.	3910.	583.	522.	0.
4200.	4076.	662.	549.	-100.
4300.	4166.	704.	564.	-10.
4400.	4257.	744.	579.	-100.
4600.	4438.	822.	609.	-100.
4800.	4620.	898.	638.	-100.
5000.	4804.	970.	668.	-100.
5021.	4823.	977.	671.	0.
5200.	4989.	1036.	703.	-100.
5400.	5175.	1100.	736.	-100.
5600.	5362.	1162.	766.	-100.
5800.	5550.	1223.	793.	-100.
6000.	5739.	1282.	818.	-100.
6038.	5775.	1293.	822.	0.
6043.	5780.	1294.	823.	10.
6200.	5932.	1331.	833.	-100.
6400.	6126.	1381.	848.	-100.
6600.	6318.	1433.	863.	-100.
6800.	6509.	1489.	879.	-100.
7000.	6700.	1547.	896.	-100.
7067.	6763.	1568.	902.	0.
7200.	6892.	1608.	909.	-100.
7400.	7083.	1671.	922.	-100.
7600.	7271.	1738.	940.	-100.
7800.	7456.	1809.	962.	-100.
8000.	7638.	1885.	989.	-100.
8162.	7783.	1950.	1015.	0.
8200.	7817.	1965.	1021.	-100.
8400.	7993.	2050.	1058.	-100.
8600.	8167.	2139.	1099.	-100.
8800.	8338.	2232.	1145.	-100.
8885.	8410.	2273.	1167.	0.

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OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
8.75	4300.	7918.
8.50	7918.	8885.

WELL: MLM 4  
 LOCATION: 1796914E 401479N  
 SURFACE ELEVATION: 2558.  
 CASING SHOE: 4567.  
 FLOWRATE (KLBS/HR): 515.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-3.	0.	-100.
400.	400.	-6.	0.	-100.
600.	600.	-9.	1.	-100.
800.	800.	-12.	3.	-100.
1000.	1000.	-15.	5.	-100.
1013.	1013.	-15.	5.	0.
1200.	1200.	-24.	4.	-100.
1400.	1400.	-30.	6.	-100.
1600.	1600.	-33.	9.	-100.
1800.	1800.	-32.	15.	-100.
2000.	1999.	-29.	23.	-100.
2042.	2041.	-28.	25.	0.
2200.	2199.	-21.	35.	-100.
2400.	2398.	-11.	49.	-100.
2600.	2597.	2.	65.	-100.
2800.	2795.	18.	82.	-100.
3000.	2993.	37.	100.	-100.
3071.	3063.	44.	107.	0.
3200.	3192.	53.	118.	-100.
3320.	3312.	65.	130.	-1.
3400.	3391.	73.	138.	-100.
3600.	3588.	99.	161.	-100.
3800.	3783.	131.	187.	-100.
4000.	3976.	169.	215.	-100.
4006.	3982.	170.	216.	0.
4200.	4167.	220.	249.	-100.
4400.	4356.	275.	284.	-100.
4567.	4513.	323.	315.	-10.
4600.	4544.	332.	321.	-100.
4688.	4627.	359.	338.	40.
4800.	4731.	392.	360.	-100.
5000.	4916.	455.	401.	-100.
5015.	4930.	460.	404.	0.
5200.	5100.	521.	443.	-100.
5400.	5283.	589.	487.	-100.
5412.	5293.	593.	490.	14.
5600.	5464.	660.	533.	-100.
5772.	5619.	723.	574.	180.
5800.	5644.	734.	581.	-100.
5892.	5726.	769.	603.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	***** INTERVAL	***** BOTTOM
12.25	3572.		5892.

WELL: MLM 5  
 LOCATION: 1796525E 405391N  
 SURFACE ELEVATION: 2193.  
 CASING SHOE: 3597.  
 FLOWRATE (KLBS/HR): 98.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	5.	0.	-100.
400.	400.	9.	0.	-100.
600.	600.	12.	1.	-100.
800.	800.	15.	2.	-100.
1000.	1000.	18.	4.	-100.
1028.	1028.	18.	4.	0.
1200.	1201.	27.	0.	-100.
1400.	1401.	32.	-1.	-100.
1600.	1601.	34.	1.	-100.
1800.	1801.	30.	7.	-100.
2000.	1999.	22.	17.	-100.
2050.	2049.	19.	21.	0.
2200.	2197.	1.	36.	-100.
2400.	2394.	-23.	57.	-100.
2600.	2591.	-46.	79.	-100.
2800.	2788.	-69.	102.	-100.
3000.	2985.	-92.	126.	-100.
3015.	3000.	-94.	128.	0.
3200.	3183.	-113.	147.	-100.
3400.	3381.	-135.	171.	-100.
3597.	3575.	-157.	197.	-10.
3600.	3578.	-157.	197.	-100.
3800.	3774.	-181.	227.	-100.
4000.	3970.	-204.	259.	-100.
4029.	3998.	-208.	264.	0.
4200.	4171.	-228.	285.	-100.
4400.	4369.	-252.	318.	-100.
4600.	4563.	-278.	358.	-100.
4800.	4754.	-306.	405.	-100.
4972.	4915.	-330.	453.	100.
5000.	4941.	-335.	461.	-100.
5089.	5023.	-348.	489.	0.
5200.	5130.	-365.	527.	-100.
5400.	5317.	-398.	602.	-100.
5480.	5389.	-411.	634.	20.
5600.	5495.	-431.	685.	-100.
5800.	5666.	-466.	776.	-100.
6000.	5829.	-502.	877.	-100.
6089.	5900.	-519.	924.	0.
6200.	5982.	-546.	995.	-100.
6400.	6127.	-592.	1125.	-100.
6600.	6270.	-633.	1258.	-100.
6800.	6411.	-671.	1393.	-100.
7000.	6551.	-705.	1531.	-100.
7021.	6565.	-708.	1546.	0.
7200.	6684.	-740.	1672.	-100.
7203.	6686.	-740.	1675.	15.
7400.	6817.	-769.	1816.	-100.
7600.	6949.	-791.	1963.	-100.
7800.	7082.	-807.	2112.	-100.
8000.	7214.	-817.	2265.	-100.
8056.	7251.	-819.	2308.	0.
8200.	7346.	-821.	2420.	-100.
8215.	7356.	-821.	2432.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
8.75	3600.		7841.
8.50	7841.		8215.

WELL: MLM 6  
 LOCATION: 1797658E 400727N  
 SURFACE ELEVATION: 2622.  
 CASING SHOE: 3206.  
 FLOWRATE (KLBS/HR): 53.

COMMENTS: POOR PRODUCER. PLUGGED BACK FOR REDRILL.FLOWRATE GIVEN AT 166 PSI.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-2.	2.	-100.
400.	400.	-2.	4.	-100.
600.	600.	-2.	8.	-100.
800.	800.	-1.	12.	-100.
1000.	1000.	1.	16.	-100.
1090.	1090.	2.	19.	0.
1200.	1200.	6.	24.	-100.
1400.	1400.	13.	33.	-100.
1600.	1599.	19.	40.	-100.
1800.	1799.	22.	47.	-100.
2000.	1999.	25.	53.	-100.
2059.	2058.	25.	54.	0.
2200.	2200.	15.	55.	-100.
2400.	2400.	12.	58.	-100.
2568.	2567.	19.	61.	-1.
2600.	2599.	21.	62.	-100.
2611.	2610.	22.	63.	0.
2800.	2798.	43.	67.	-100.
3000.	2994.	77.	76.	-100.
3168.	3156.	115.	85.	0.
3200.	3186.	125.	87.	-100.
3206.	3192.	127.	88.	-10.
3400.	3374.	191.	103.	-100.
3445.	3417.	206.	107.	-2.
3600.	3562.	257.	120.	-100.
3622.	3583.	264.	122.	0.
3800.	3752.	319.	139.	-100.
4000.	3940.	384.	158.	-100.
4200.	4126.	453.	176.	-100.
4391.	4303.	522.	194.	0.
4400.	4311.	525.	195.	-100.
4600.	4496.	602.	211.	-100.
4800.	4678.	683.	229.	-100.
4934.	4799.	740.	242.	20.
5000.	4858.	768.	249.	-100.
5073.	4923.	800.	256.	0.
5200.	5034.	860.	272.	-100.
5400.	5208.	955.	295.	-100.
5600.	5382.	1051.	318.	-100.
5778.	5536.	1137.	338.	10.
5800.	5555.	1148.	341.	-100.
5803.	5558.	1149.	341.	0.
6000.	5733.	1239.	363.	-100.
6200.	5908.	1335.	384.	-100.
6400.	6079.	1436.	403.	-100.
6525.	6184.	1501.	415.	5.
6549.	6204.	1514.	417.	0.
6600.	6247.	1542.	422.	-100.
6800.	6412.	1654.	439.	-100.
7000.	6574.	1771.	455.	-100.
7200.	6731.	1892.	469.	-100.
7299.	6808.	1954.	475.	0.
7400.	6886.	2018.	479.	-100.
7600.	7037.	2149.	490.	-100.
7737.	7136.	2242.	497.	5.
7763.	7155.	2260.	499.	0.
7800.	7181.	2286.	501.	-100.
8000.	7320.	2428.	515.	-100.
8200.	7454.	2577.	530.	-100.
8321.	7532.	2670.	540.	0.
8366.	7562.	2703.	543.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** BOTTOM
12.25	3206.	7309.
10.63	7309.	8366.

WELL: MLM 7  
 LOCATION: 1796451E 405435N  
 SURFACE ELEVATION: 2199.  
 CASING SHOE: 3793.  
 FLOWRATE (KLBS/HR): 332.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	5.	2.	-100.
400.	400.	10.	5.	-100.
600.	600.	14.	10.	-100.
800.	799.	16.	15.	-100.
1000.	999.	18.	22.	-100.
1122.	1121.	19.	27.	0.
1200.	1199.	19.	29.	-100.
1400.	1399.	18.	38.	-100.
1600.	1598.	18.	48.	-100.
1800.	1798.	18.	60.	-100.
1804.	1802.	18.	61.	0.
2000.	2001.	17.	60.	-100.
2200.	2202.	16.	70.	-100.
2400.	2400.	16.	90.	-100.
2600.	2596.	17.	121.	-100.
2638.	2633.	17.	128.	0.
2800.	2789.	19.	171.	-100.
3000.	2981.	21.	229.	-100.
3200.	3170.	23.	290.	-100.
3400.	3358.	26.	357.	-100.
3404.	3362.	26.	358.	0.
3600.	3543.	29.	433.	-100.
3793.	3721.	33.	507.	-10.
3800.	3727.	33.	510.	-100.
4000.	3911.	37.	589.	-100.
4200.	4094.	43.	669.	-100.
4220.	4112.	44.	677.	0.
4400.	4275.	49.	753.	-100.
4600.	4457.	56.	837.	-100.
4800.	4638.	65.	920.	-100.
4995.	4815.	74.	1002.	50.
5000.	4819.	75.	1004.	-100.
5078.	4890.	79.	1037.	0.
5200.	5002.	85.	1086.	-100.
5400.	5184.	98.	1168.	-100.
5600.	5364.	112.	1252.	-100.
5800.	5544.	130.	1339.	-100.
5826.	5567.	132.	1350.	0.
6000.	5724.	149.	1425.	-100.
6200.	5902.	172.	1515.	-100.
6316.	6004.	186.	1568.	10.
6400.	6078.	196.	1607.	-100.
6600.	6251.	223.	1704.	-100.
6660.	6302.	232.	1733.	0.
6661.	6303.	232.	1734.	22.
6800.	6422.	250.	1804.	-100.
6990.	6582.	278.	1902.	20.
7000.	6591.	279.	1907.	-100.
7002.	6592.	280.	1908.	60.
7050.	6632.	288.	1934.	20.
7200.	6756.	314.	2014.	-100.
7400.	6918.	354.	2122.	-100.
7430.	6942.	361.	2139.	0.
7600.	7077.	400.	2234.	-100.
7800.	7232.	452.	2348.	-100.
7892.	7303.	477.	2402.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
12.25	3793.	7892.

WELL: MU 1  
 LOCATION: 1794013E 409389N  
 SURFACE ELEVATION: 2552.  
 CASING SHOE: 5440.  
 FLOWRATE (KLBS/HR): 156.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-3.	1.	-100.
400.	400.	-6.	3.	-100.
600.	600.	-9.	5.	-100.
800.	800.	-12.	8.	-100.
1000.	1000.	-15.	13.	-100.
1122.	1122.	-16.	15.	0.
1200.	1200.	-19.	16.	-100.
1400.	1400.	-25.	20.	-100.
1600.	1600.	-28.	26.	-100.
1800.	1800.	-30.	34.	-100.
2000.	1999.	-30.	44.	-100.
2055.	2054.	-30.	47.	0.
2200.	2199.	-30.	52.	-100.
2400.	2399.	-27.	62.	-100.
2600.	2598.	-22.	78.	-100.
2800.	2796.	-14.	98.	-100.
3000.	2993.	-3.	125.	-100.
3077.	3069.	1.	136.	0.
3200.	3189.	9.	163.	-100.
3400.	3383.	24.	207.	-100.
3600.	3578.	42.	251.	-100.
3800.	3772.	63.	295.	-100.
4000.	3965.	86.	339.	-100.
4039.	4003.	91.	347.	0.
4200.	4159.	115.	380.	-100.
4400.	4352.	146.	422.	-100.
4600.	4545.	179.	465.	-100.
4800.	4737.	212.	508.	-100.
5000.	4929.	246.	553.	-100.
5019.	4947.	249.	557.	0.
5200.	5121.	280.	597.	-100.
5400.	5312.	315.	642.	-100.
5440.	5351.	323.	651.	-10.
5497.	5405.	333.	664.	-1.
5600.	5503.	352.	689.	-100.
5800.	5693.	391.	737.	-100.
6000.	5882.	431.	787.	-100.
6042.	5922.	440.	798.	0.
6200.	6070.	474.	841.	-100.
6400.	6258.	518.	896.	-100.
6600.	6444.	564.	951.	-100.
6800.	6631.	610.	1007.	-100.
7000.	6817.	657.	1063.	-100.
7044.	6858.	667.	1075.	0.
7200.	7003.	704.	1119.	-100.
7400.	7188.	753.	1176.	-100.
7600.	7373.	803.	1233.	-100.
7680.	7447.	823.	1256.	5.
7800.	7558.	854.	1291.	-100.
7894.	7644.	878.	1318.	280.
8000.	7742.	905.	1349.	-100.
8200.	7926.	958.	1408.	-100.
8400.	8109.	1011.	1467.	-100.
8487.	8189.	1035.	1493.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** BOTTOM
8.75	5440.	8487.

WELL: MU 2  
 LOCATION: 1793962E 409443N  
 SURFACE ELEVATION: 2556.  
 CASING SHOE: 5445.  
 FLOWRATE (KLBS/HR): 252.

COMMENTS: ENTRY AT 5751' PRODUCED 60 - 80 GPM WATER.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	202.	-23.	-1.	-100.
400.	403.	-41.	-4.	-100.
600.	603.	-54.	-8.	-100.
800.	803.	-61.	-12.	-100.
1000.	1003.	-62.	-18.	-100.
1200.	1202.	-59.	-25.	-100.
1400.	1401.	-50.	-34.	-100.
1600.	1600.	-35.	-43.	-100.
1691.	1690.	-27.	-48.	0.
1800.	1798.	-13.	-55.	-100.
2000.	1995.	13.	-67.	-100.
2200.	2193.	43.	-79.	-100.
2243.	2235.	49.	-81.	0.
2400.	2389.	77.	-91.	-100.
2600.	2586.	114.	-103.	-100.
2800.	2782.	151.	-114.	-100.
3000.	2978.	190.	-122.	-100.
3175.	3149.	224.	-129.	0.
3200.	3173.	229.	-129.	-100.
3400.	3369.	271.	-130.	-100.
3600.	3564.	312.	-135.	-100.
3790.	3750.	350.	-143.	0.
3800.	3760.	352.	-143.	-100.
4000.	3956.	393.	-154.	-100.
4104.	4058.	410.	-164.	0.
4200.	4152.	420.	-180.	-100.
4400.	4347.	438.	-215.	-100.
4600.	4543.	456.	-252.	-100.
4703.	4643.	464.	-273.	0.
4800.	4738.	470.	-293.	-100.
5000.	4933.	483.	-337.	-100.
5200.	5127.	496.	-383.	-100.
5400.	5320.	508.	-432.	-100.
5445.	5364.	511.	-444.	-10.
5600.	5513.	520.	-485.	-100.
5624.	5536.	521.	-491.	0.
5751.	5657.	526.	-529.	7.
5800.	5704.	528.	-544.	-100.
6000.	5894.	537.	-605.	-100.
6043.	5935.	539.	-618.	11.
6058.	5949.	540.	-623.	12.
6101.	5990.	542.	-636.	18.
6200.	6084.	547.	-666.	-100.
6308.	6187.	553.	-699.	146.
6400.	6274.	559.	-728.	-100.
6407.	6281.	559.	-730.	87.
6558.	6424.	569.	-777.	0.
6600.	6464.	572.	-790.	-100.
6800.	6653.	588.	-853.	-100.
7000.	6842.	603.	-917.	-100.
7141.	6975.	614.	-961.	0.
7200.	7031.	619.	-980.	-100.
7400.	7220.	634.	-1043.	-100.
7585.	7395.	649.	-1101.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
10.63	5450.		7585.

WELL: MU 3  
 LOCATION: 1793979E 409425N  
 SURFACE ELEVATION: 2557.  
 CASING SHOE: 5543.  
 FLOWRATE (KLBS/HR): 127.

COMMENTS: SPUD 7/13/88, TD 8/31/88. CMT PLUGS AT 3136'-3147' & 3078'-3310'THRU LCZ'

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	3.	-100.
400.	399.	-1.	6.	-100.
600.	599.	0.	10.	-100.
800.	799.	3.	14.	-100.
1000.	999.	6.	18.	-100.
1155.	1154.	10.	22.	0.
1200.	1199.	11.	23.	-100.
1400.	1399.	18.	29.	-100.
1600.	1599.	25.	35.	-100.
1800.	1799.	32.	41.	-100.
1925.	1924.	37.	45.	0.
2000.	1999.	39.	47.	-100.
2200.	2199.	47.	54.	-100.
2400.	2399.	55.	60.	-100.
2600.	2598.	63.	67.	-100.
2769.	2767.	71.	72.	0.
2800.	2798.	72.	72.	-100.
3000.	2998.	81.	77.	-100.
3200.	3197.	90.	83.	-100.
3400.	3397.	100.	90.	-100.
3594.	3590.	110.	98.	0.
3600.	3596.	111.	98.	-100.
3800.	3796.	133.	118.	-100.
4000.	3996.	147.	131.	-100.
4200.	4195.	153.	138.	-100.
4340.	4334.	151.	140.	0.
4400.	4394.	148.	139.	-100.
4600.	4592.	134.	133.	-100.
4800.	4790.	113.	123.	-100.
5000.	4986.	86.	109.	-100.
5013.	4999.	84.	108.	0.
5200.	5181.	47.	88.	-100.
5400.	5375.	4.	65.	-100.
5543.	5513.	-28.	48.	-10.
5600.	5568.	-41.	41.	-100.
5800.	5761.	-89.	17.	-100.
5826.	5786.	-95.	13.	0.
6000.	5952.	-142.	-10.	-100.
6125.	6071.	-175.	-27.	5.
6200.	6143.	-196.	-38.	-100.
6400.	6334.	-250.	-65.	-100.
6597.	6521.	-304.	-92.	0.
6600.	6524.	-305.	-93.	-100.
6800.	6714.	-360.	-121.	-100.
7000.	6904.	-416.	-149.	-100.
7200.	7093.	-472.	-177.	-100.
7340.	7226.	-512.	-197.	0.
7400.	7284.	-528.	-203.	-100.
7492.	7372.	-553.	-212.	65.
7600.	7476.	-583.	-225.	-100.
7800.	7665.	-641.	-252.	-100.
8000.	7852.	-702.	-285.	-100.
8022.	7873.	-709.	-289.	70.
8091.	7937.	-731.	-301.	0.
8135.	7977.	-747.	-311.	5.
8200.	8035.	-771.	-326.	-100.
8400.	8218.	-840.	-370.	-100.
8600.	8402.	-904.	-412.	-100.
8602.	8404.	-905.	-412.	0.
8800.	8589.	-963.	-452.	-100.
8933.	8715.	-1000.	-477.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** BOTTOM
10.63	5543.	8933.

WELL: MU 4  
 LOCATION: 1793996E 409407N  
 SURFACE ELEVATION: 2557.  
 CASING SHOE: 5362.  
 FLOWRATE (KLBS/HR): 174.

COMMENTS: SPUD 9/03/88, TD 10/20/88. CMT PLUG ACROSS LCZ 2770-3032.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-6.	0.	-100.
400.	401.	-9.	-2.	-100.
600.	600.	-9.	-5.	-100.
800.	800.	-5.	-10.	-100.
944.	944.	-1.	-15.	0.
1000.	1000.	2.	-18.	-100.
1200.	1199.	14.	-30.	-100.
1400.	1398.	27.	-40.	-100.
1600.	1597.	41.	-50.	-100.
1710.	1707.	49.	-56.	0.
1800.	1796.	55.	-60.	-100.
2000.	1996.	70.	-68.	-100.
2200.	2195.	85.	-76.	-100.
2400.	2394.	102.	-84.	-100.
2583.	2576.	118.	-90.	0.
2600.	2593.	119.	-90.	-100.
2800.	2794.	129.	-95.	-100.
3000.	2993.	147.	-100.	-100.
3200.	3191.	170.	-106.	-100.
3352.	3341.	193.	-110.	0.
3400.	3388.	201.	-112.	-100.
3600.	3585.	239.	-120.	-100.
3800.	3779.	283.	-127.	-100.
4000.	3972.	334.	-133.	-100.
4144.	4109.	374.	-137.	0.
4200.	4161.	395.	-137.	-100.
4400.	4347.	470.	-139.	-100.
4600.	4533.	544.	-142.	-100.
4800.	4719.	617.	-146.	-100.
5000.	4905.	690.	-152.	-100.
5014.	4918.	695.	-152.	0.
5200.	5091.	762.	-160.	-100.
5362.	5242.	820.	-167.	-10.
5400.	5278.	833.	-169.	-100.
5600.	5464.	905.	-177.	-100.
5800.	5651.	976.	-185.	-100.
5871.	5717.	1001.	-187.	0.
6000.	5837.	1047.	-191.	-100.
6200.	6024.	1119.	-196.	-100.
6291.	6109.	1151.	-199.	10.
6400.	6211.	1190.	-202.	-100.
6600.	6398.	1260.	-208.	-100.
6707.	6498.	1297.	-211.	0.
6800.	6585.	1329.	-214.	-100.
6930.	6707.	1374.	-218.	75.-
7000.	6773.	1398.	-220.	-100.
7200.	6961.	1467.	-226.	-100.
7400.	7149.	1534.	-232.	-100.
7485.	7229.	1563.	-234.	0.
7600.	7338.	1600.	-237.	-100.
7680.	7413.	1626.	-239.	10.
7690.	7423.	1629.	-240.	10.
7699.	7431.	1632.	-240.	10.
7713.	7445.-	1637.	-240.	45.-
7721.	7452.-	1640.	-240.	30.-
7800.	7526.	1666.	-242.	-100.
7935.	7653.	1713.	-245.	0.
7980.	7695.-	1729.	-246.	3.-
7983.	7698.-	1730.	-246.	2.-
8000.	7714.	1736.	-246.	-100.
8200.	7900.	1809.	-249.	-100.
8400.	8085.	1886.	-251.	-100.
8474.	8153.	1915.	-251.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	*****
	TOP	BOTTOM
10.63	5362.	8474.

WELL: PDC 1  
 LOCATION: 1792902E 410753N  
 SURFACE ELEVATION: 2801.  
 CASING SHOE: 6080.  
 FLOWRATE (KLBS/HR): 135.

COMMENTS: *No Selsite*

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-2.	0.	-100.
400.	400.	-4.	0.	-100.
528.	528.	-7.	-1.	0.
600.	600.	-8.	-1.	-100.
800.	800.	-13.	-3.	-100.
1000.	1000.	-21.	-4.	-100.
1057.	1057.	-24.	-5.	0.
1200.	1200.	-33.	-5.	-100.
1400.	1399.	-46.	-5.	-100.
1523.	1522.	-54.	-5.	0.
1600.	1599.	-57.	-4.	-100.
1800.	1799.	-68.	-2.	-100.
2000.	1998.	-81.	-2.	-100.
2083.	2081.	-86.	-2.	0.
2200.	2197.	-95.	-3.	-100.
2400.	2396.	-111.	-7.	-100.
2550.	2546.	-122.	-11.	0.
2600.	2596.	-126.	-13.	-100.
2800.	2795.	-142.	-22.	-100.
3000.	2994.	-155.	-31.	-100.
3086.	3080.	-160.	-36.	0.
3200.	3194.	-165.	-43.	-100.
3400.	3393.	-174.	-53.	-100.
3549.	3542.	-180.	-60.	0.
3600.	3593.	-182.	-61.	-100.
3800.	3793.	-191.	-66.	-100.
4000.	3993.	-199.	-70.	-100.
4011.	4004.	-199.	-70.	0.
4200.	4193.	-209.	-75.	-100.
4400.	4392.	-215.	-78.	-100.
4566.	4558.	-217.	-79.	0.
4600.	4592.	-217.	-79.	-100.
4800.	4792.	-215.	-80.	-100.
5000.	4992.	-210.	-76.	-100.
5029.	5021.	-209.	-75.	0.
5135.	5126.	-202.	-69.	20.
5200.	5191.	-198.	-65.	-100.
5280.	5271.	-192.	-60.	20.
5400.	5390.	-185.	-52.	-100.
5584.	5573.	-173.	-38.	0.
5600.	5589.	-172.	-37.	-100.
5793.	5781.	-160.	-20.	20.
5800.	5788.	-160.	-19.	-100.
6000.	5987.	-148.	-2.	-100.
6046.	6033.	-145.	2.	0.
6080.	6067.	-143.	5.	-10.
6200.	6186.	-135.	15.	-100.
6400.	6385.	-123.	31.	-100.
6531.	6515.	-116.	42.	0.
6600.	6605.	-112.	48.	-100.
6650.	6665.	-109.	52.	20.
6800.	6821.	-100.	63.	-100.
6976.	6972.	-92.	75.	20.
7000.	6990.	-91.	76.	-100.
7027.	7010.	-90.	78.	0.
7200.	7075.	-82.	87.	-100.
7229.	7090.	-82.	88.	60.
7235.	7094.	-81.	88.	100.
7400.	7207.	-78.	93.	-100.
7447.	7250.	-78.	95.	0.
7600.	7443.	-79.	97.	-100.
7704.	7687.	-82.	97.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
8.75	6080.		7450.
8.50	7450.		7704.

WELL: PDC 2  
 LOCATION: 1792952E 410752N  
 SURFACE ELEVATION: 2799.  
 CASING SHOE: 5173.  
 FLOWRATE (KLBS/HR): 104.

COMMENTS: FLOW RATE MEAS AT 183 PSIG. NUMEROUS INTRUSIVES OF CLEAR LAKE VOLCANICS  
 DOWN TO 7200'. NO FELSITE AT TD.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	-14.	10.	-100.
400.	402.	-24.	17.	-100.
600.	602.	-32.	23.	-100.
800.	802.	-36.	27.	-100.
1000.	1002.	-38.	30.	-100.
1200.	1202.	-37.	30.	-100.
1400.	1401.	-32.	29.	-100.
1600.	1601.	-25.	26.	-100.
1771.	1771.	-16.	22.	0.
1800.	1800.	-15.	21.	-100.
2000.	2000.	-6.	15.	-100.
2200.	2198.	11.	6.	-100.
2368.	2364.	32.	-3.	0.
2400.	2395.	39.	-6.	-100.
2600.	2590.	82.	-24.	-100.
2800.	2785.	126.	-42.	-100.
3000.	2979.	169.	-58.	-100.
3048.	3026.	179.	-62.	0.
3200.	3173.	213.	-69.	-100.
3400.	3367.	257.	-80.	-100.
3600.	3560.	300.	-94.	-100.
3800.	3754.	342.	-111.	-100.
3983.	3932.	379.	-129.	0.
4000.	3949.	384.	-130.	-100.
4200.	4145.	434.	-147.	-100.
4400.	4341.	476.	-170.	-100.
4600.	4535.	512.	-200.	-100.
4800.	4729.	540.	-235.	-100.
4908.	4833.	553.	-257.	0.
5000.	4921.	555.	-284.	-100.
5173.	5086.	559.	-334.	-10.
5200.	5112.	559.	-342.	-100.
5357.	5262.	563.	-388.	52.
5400.	5303.	563.	-401.	-100.
5600.	5493.	567.	-461.	-100.
5800.	5683.	570.	-522.	-100.
5945.	5821.	572.	-567.	0.
6000.	5874.	572.	-583.	-100.
6060.	5931.	572.	-601.	15.
6200.	6064.	572.	-644.	-100.
6400.	6254.	573.	-707.	-100.
6600.	6443.	575.	-772.	-100.
6800.	6631.	577.	-839.	-100.
7000.	6819.	580.	-907.	-100.
7010.	6828.	580.	-911.	0.
7200.	7004.	586.	-983.	-100.
7400.	7189.	591.	-1058.	-100.
7600.	7374.	596.	-1134.	-100.
7696.	7463.	598.	-1170.	58.
7800.	7559.	600.	-1210.	-100.
8000.	7744.	604.	-1285.	-100.
8041.	7782.	605.	-1301.	0.
8200.	7927.	610.	-1365.	-100.
8290.	8010.	612.	-1400.	10.
8400.	8111.	615.	-1443.	-100.
8600.	8295.	618.	-1520.	-100.
8800.	8481.	619.	-1594.	-100.
9000.	8667.	618.	-1667.	-100.
9063.	8726.	617.	-1689.	0.
9200.	8855.	615.	-1737.	-100.
9400.	9043.	610.	-1806.	-100.
9440.	9081.	609.	-1819.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
10.63	5178.		8580.
9.88	8580.		9440.

WELL: PDC 3  
 LOCATION: 1792927E 410752N  
 SURFACE ELEVATION: 2799.  
 CASING SHOE: 5035.  
 FLOWRATE (KLBS/HR): 232.

COMMENTS: SPUD 8/03/88, TD 9/18/88. CMT PLUGS AT 3147' & 3310' THRU LCZ'S. SEVERAL  
 ZONES OF CLEAR LAKE VOLCANICS INTRUSIVES DOWN TO 4200'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	4.	-100.
400.	400.	0.	6.	-100.
600.	600.	-1.	9.	-100.
800.	800.	-3.	11.	-100.
959.	959.	-5.	11.	0.
1000.	1000.	-7.	13.	-100.
1200.	1200.	-15.	18.	-100.
1400.	1400.	-21.	21.	-100.
1600.	1600.	-26.	20.	-100.
1800.	1799.	-30.	15.	-100.
2000.	1999.	-31.	8.	-100.
2005.	2004.	-31.	8.	0.
2200.	2199.	-28.	-8.	-100.
2400.	2398.	-25.	-24.	-100.
2600.	2597.	-22.	-41.	-100.
2800.	2796.	-20.	-59.	-100.
2903.	2899.	-19.	-68.	0.
3000.	2996.	-15.	-78.	-100.
3200.	3195.	-9.	-98.	-100.
3400.	3394.	-7.	-118.	-100.
3600.	3592.	-9.	-137.	-100.
3795.	3786.	-14.	-155.	0.
3800.	3791.	-14.	-155.	-100.
4000.	3990.	-22.	-169.	-100.
4200.	4189.	-35.	-184.	-100.
4400.	4387.	-54.	-203.	-100.
4577.	4561.	-74.	-221.	0.
4600.	4583.	-78.	-224.	-100.
4800.	4779.	-111.	-252.	-100.
5000.	4974.	-145.	-279.	-100.
5035.	5008.	-152.	-283.	-10.
5200.	5169.	-182.	-305.	-100.
5338.	5303.	-209.	-323.	0.
5400.	5363.	-223.	-331.	-100.
5600.	5556.	-267.	-357.	-100.
5800.	5750.	-310.	-382.	-100.
5961.	5905.	-345.	-401.	10.
6000.	5943.	-354.	-406.	-100.
6168.	6106.	-390.	-426.	0.
6200.	6137.	-397.	-430.	-100.
6400.	6332.	-438.	-451.	-100.
6600.	6526.	-481.	-473.	-100.
6795.	6716.	-522.	-495.	57.
6800.	6720.	-524.	-495.	-100.
6805.	6725.	-525.	-496.	5.
6981.	6896.	-563.	-515.	0.
7000.	6914.	-567.	-517.	-100.
7051.	6964.	-579.	-522.	37.
7200.	7108.	-612.	-537.	-100.
7400.	7302.	-657.	-559.	-100.
7600.	7495.	-702.	-582.	-100.
7717.	7608.	-729.	-596.	0.
7800.	7688.	-748.	-606.	-100.
8000.	7881.	-793.	-632.	-100.
8087.	7965.	-813.	-643.	90.
8200.	8074.	-839.	-658.	-100.
8400.	8267.	-885.	-686.	-100.
8470.	8334.	-901.	-696.	0.

*No felsite  
 @ bottom of  
 hole*

OPEN HOLE DESCRIPTION

SIZE (IN)	TOP	INTERVAL	BOTTOM
10.63	5035.		8470.

WELL: S&B 1  
 LOCATION: 1797394E 412768N  
 SURFACE ELEVATION: 2574.  
 CASING SHOE: 5998.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: NO DIRECTIONAL SURVEY BELOW 10075'. NO DEVIATION ANGLES BELOW 10356'.  
 BOTTOM HOLE LOCATION EXTRAPOLATED.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	7.	-3.	-100.
400.	400.	14.	-7.	-100.
600.	600.	21.	-11.	-100.
623.	623.	22.	-11.	0.
800.	800.	30.	-15.	-100.
1000.	999.	36.	-20.	-100.
1087.	1086.	38.	-23.	0.
1200.	1199.	38.	-28.	-100.
1400.	1399.	37.	-37.	-100.
1551.	1550.	37.	-44.	0.
1600.	1599.	37.	-46.	-100.
1800.	1798.	36.	-55.	-100.
2000.	1998.	35.	-64.	-100.
2015.	2013.	35.	-64.	0.
2200.	2198.	35.	-71.	-100.
2400.	2398.	34.	-78.	-100.
2572.	2570.	35.	-83.	0.
2600.	2598.	35.	-84.	-100.
2800.	2798.	38.	-88.	-100.
3000.	2998.	38.	-93.	-100.
3005.	3003.	38.	-93.	0.
3200.	3198.	33.	-95.	-100.
3400.	3397.	29.	-98.	-100.
3560.	3557.	26.	-101.	1.
3577.	3574.	25.	-101.	0.
3600.	3597.	25.	-102.	-100.
3800.	3797.	22.	-107.	-100.
4000.	3997.	19.	-112.	-100.
4040.	4037.	19.	-113.	0.
4200.	4197.	18.	-117.	-100.
4400.	4397.	16.	-120.	-100.
4502.	4499.	14.	-121.	0.
4600.	4597.	11.	-121.	-100.
4800.	4797.	5.	-121.	-100.
5000.	4997.	-1.	-122.	-100.
5057.	5054.	-3.	-122.	0.
5200.	5197.	-6.	-123.	-100.
5400.	5397.	-12.	-123.	-100.
5520.	5517.	-16.	-123.	0.
5600.	5597.	-20.	-123.	-100.
5800.	5796.	-30.	-122.	-100.
5998.	5994.	-38.	-120.	-10.
6000.	5996.	-38.	-120.	0.
6200.	6197.	-41.	-111.	-100.
6400.	6396.	-44.	-102.	-100.
6600.	6596.	-47.	-95.	-100.
6800.	6796.	-51.	-88.	-100.
6979.	6974.	-54.	-83.	0.
7000.	6995.	-55.	-83.	-100.
7200.	7195.	-60.	-80.	-100.
7400.	7395.	-65.	-77.	-100.
7600.	7594.	-69.	-74.	-100.
7800.	7794.	-73.	-71.	-100.
8000.	7994.	-76.	-67.	-100.
8001.	7995.	-76.	-67.	0.
8200.	8195.	-91.	-72.	-100.
8400.	8396.	-95.	-70.	-100.
8600.	8595.	-87.	-60.	-100.
8689.	8683.	-80.	-53.	0.
8800.	8793.	-67.	-42.	-100.
8907.	8898.	-54.	-28.	0.
9000.	8989.	-40.	-13.	-100.
9200.	9183.	-7.	21.	0.
9400.	9376.	29.	58.	-100.
9500.	9472.	48.	76.	0.
9600.	9569.	67.	93.	-100.
9800.	9761.	111.	130.	-100.
9981.	9932.	154.	168.	0.
10000.	9950.	159.	172.	-100.
10200.	10136.	212.	220.	-100.

	10356.	10280.	258.	262.	0.
	10400.	10321.	270.	273.	-100.

WELL: S&B 1 (Continued data)  
LOCATION: 1797394E 412768N  
SURFACE ELEVATION: 2574.  
CASING SHOE: 5998.  
FLOWRATE (KLBS/HR): 0.

COMMENTS: NO DIRECTIONAL SURVEY BELOW 10075'. NO DEVIATION ANGLES BELOW 10356'.  
BOTTOM HOLE LOCATION EXTRAPOLATED.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
10600.	10506.	326.	323.	-100.
10800.	10692.	381.	373.	-100.
11000.	10878.	437.	423.	-100.
11141.	11008.	476.	459.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL *****	
	TOP	BOTTOM
8.75	5998.	9913.
8.50	9913.	11141.

WELL: SPR A-1  
 LOCATION: 1799177E 407569N  
 SURFACE ELEVATION: 1979.  
 CASING SHOE: 4792.  
 FLOWRATE (KLBS/HR): 40.

COMMENTS: FLOWRATE AT 136 PSI. FELSITE AT 9130'. DRILLED BY SUN 6-18-83 - 8-15-83.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	201.	4.	1.	-100.
400.	401.	5.	1.	-100.
600.	601.	4.	-2.	-100.
800.	801.	1.	-7.	-100.
1000.	1000.	-5.	-14.	-100.
1154.	1154.	-11.	-20.	0.
1200.	1200.	-13.	-23.	-100.
1400.	1399.	-24.	-34.	-100.
1600.	1598.	-36.	-46.	-100.
1731.	1728.	-46.	-56.	0.
1800.	1796.	-52.	-63.	-100.
2000.	1995.	-71.	-82.	-100.
2200.	2193.	-89.	-100.	-100.
2400.	2392.	-106.	-118.	-100.
2506.	2497.	-115.	-127.	0.
2600.	2590.	-123.	-134.	-100.
2800.	2789.	-138.	-150.	-100.
3000.	2987.	-153.	-165.	-100.
3200.	3186.	-168.	-181.	-100.
3350.	3336.	-179.	-193.	0.
3400.	3386.	-183.	-195.	-100.
3600.	3586.	-200.	-204.	-100.
3800.	3785.	-214.	-218.	-100.
4000.	3984.	-226.	-237.	-100.
4200.	4181.	-236.	-262.	-100.
4229.	4210.	-237.	-266.	0.
4400.	4379.	-241.	-296.	-100.
4600.	4575.	-245.	-333.	-100.
4792.	4763.	-248.	-370.	-10.
4800.	4771.	-248.	-372.	-100.
5000.	4966.	-251.	-414.	-100.
5055.	5020.	-252.	-426.	0.
5200.	5160.	-256.	-465.	-100.
5400.	5353.	-259.	-518.	-100.
5410.	5362.	-259.	-520.	14.
5600.	5546.	-261.	-567.	-100.
5800.	5740.	-261.	-615.	-100.
5960.	5896.	-260.	-651.	0.
6000.	5936.	-259.	-659.	-100.
6200.	6132.	-254.	-698.	-100.
6400.	6328.	-248.	-737.	-100.
6600.	6524.	-242.	-776.	-100.
6800.	6720.	-235.	-815.	-100.
6819.	6738.	-234.	-819.	0.
7000.	6917.	-222.	-850.	-100.
7020.	6937.	-220.	-854.	90.
7200.	7114.	-210.	-887.	-100.
7400.	7310.	-201.	-927.	-100.
7600.	7505.	-193.	-970.	-100.
7768.	7668.	-189.	-1008.	0.
7800.	7699.	-189.	-1015.	-100.
8000.	7893.	-189.	-1063.	-100.
8200.	8085.	-189.	-1114.	-100.
8400.	8277.	-189.	-1170.	-100.
8530.	8401.	-188.	-1208.	0.
8600.	8468.	-188.	-1229.	-100.
8800.	8657.	-186.	-1293.	-100.
8979.	8826.	-184.	-1353.	0.
9000.	8846.	-184.	-1360.	-100.
9200.	9035.	-182.	-1424.	-100.
9400.	9224.	-180.	-1489.	-100.
9540.	9357.	-179.	-1534.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
8.75	4792.	9540.

WELL: TH 1 OH  
 LOCATION: 1794024E 403919N  
 SURFACE ELEVATION: 2918.  
 CASING SHOE: 2475.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: PLUG BACK AND K.O. REDRILL 1 FROM 2505. B.H.LOC. SOMEWHAT DUBIOUS.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	3.	0.	-100.
400.	400.	4.	-1.	-100.
500.	500.	5.	-1.	0.
600.	600.	3.	-2.	-100.
800.	800.	2.	-3.	-100.
1000.	1000.	2.	-3.	0.
1200.	1200.	5.	-1.	-100.
1356.	1356.	9.	2.	1.
1400.	1400.	10.	3.	-100.
1482.	1482.	12.	5.	1.
1500.	1500.	13.	6.	0.
1600.	1600.	17.	7.	-100.
1665.	1665.	20.	9.	1.
1800.	1800.	26.	14.	-100.
2000.	1999.	34.	26.	0.
2200.	2198.	42.	43.	-100.
2400.	2397.	50.	65.	-100.
2475.	2471.	54.	74.	-10.
2500.	2496.	55.	77.	0.
2597.	2592.	60.	90.	0.
2600.	2595.	60.	91.	-100.
2692.	2686.	66.	104.	0.
2800.	2793.	72.	120.	-100.
2946.	2937.	84.	140.	1.
3000.	2990.	89.	147.	-100.
3005.	2995.	90.	148.	0.
3200.	3186.	124.	170.	-100.
3400.	3383.	156.	190.	-100.
3499.	3480.	170.	199.	0.
3600.	3580.	182.	206.	-100.
3800.	3779.	204.	219.	-100.
4000.	3977.	225.	231.	-100.
4200.	4176.	245.	242.	-100.
4218.	4194.	246.	243.	80.
4400.	4375.	263.	252.	-100.
4492.	4466.	271.	257.	0.
4600.	4574.	276.	260.	-100.
4800.	4773.	288.	266.	-100.
5000.	4973.	300.	274.	-100.
5200.	5172.	314.	282.	-100.
5400.	5371.	330.	291.	-100.
5595.	5565.	346.	300.	0.
5600.	5570.	346.	300.	-100.
5800.	5769.	365.	311.	-100.
6000.	5967.	384.	322.	-100.
6200.	6166.	405.	334.	-100.
6400.	6364.	428.	347.	-100.
6584.	6546.	450.	360.	0.
6600.	6562.	452.	361.	-100.
6702.	6663.	462.	367.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** BOTTOM
8.75	2475.	6702.

WELL: TH 1 RD  
 LOCATION: 1794024E 403919N  
 SURFACE ELEVATION: 2918.  
 CASING SHOE: 2475.  
 FLOWRATE (KLBS/HR): 109.

COMMENTS: B.H. LOC. PROJECTED FROM 4900'. FISH LEFT IN HOLE. TOP AT 6654.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	3.	0.	-100.
400.	400.	4.	-1.	-100.
500.	500.	5.	-1.	0.
600.	600.	3.	-2.	-100.
800.	800.	2.	-3.	-100.
1000.	1000.	2.	-3.	0.
1200.	1200.	5.	-1.	-100.
1400.	1400.	10.	3.	-100.
1500.	1500.	13.	6.	0.
1600.	1600.	17.	7.	-100.
1800.	1800.	26.	14.	-100.
2000.	1999.	34.	26.	0.
2200.	2198.	41.	48.	-100.
2400.	2397.	50.	68.	-100.
2475.	2471.	53.	75.	-10.
2500.	2496.	55.	77.	0.
2600.	2595.	59.	87.	-100.
2800.	2794.	71.	103.	-100.
2971.	2964.	85.	114.	1.
3000.	2993.	87.	116.	0.
3072.	3064.	98.	124.	1.
3200.	3191.	115.	133.	-100.
3400.	3390.	137.	135.	-100.
3500.	3489.	146.	131.	0.
3600.	3589.	155.	117.	-100.
3800.	3787.	166.	87.	-100.
4000.	3985.	170.	57.	0.
4200.	4182.	167.	30.	-100.
4400.	4377.	155.	-3.	-100.
4500.	4474.	145.	-22.	0.
4600.	4570.	130.	-46.	-100.
4800.	4761.	98.	-94.	-100.
4900.	4857.	82.	-118.	0.
5000.	4953.	64.	-142.	-100.
5200.	5143.	28.	-189.	-100.
5400.	5334.	-11.	-236.	-100.
5600.	5524.	-52.	-282.	-100.
5800.	5713.	-96.	-329.	-100.
5995.	5898.	-141.	-374.	1.
6000.	5902.	-143.	-375.	-100.
6200.	6091.	-191.	-420.	-100.
6400.	6280.	-243.	-466.	-100.
6600.	6468.	-296.	-511.	-100.
6685.	6548.	-320.	-530.	50.
6721.	6581.	-330.	-538.	10.
6785.	6642.	-349.	-552.	12.
6800.	6656.	-353.	-556.	-100.
6842.	6695.	-365.	-565.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** BOTTOM
8.75	2475.	6842.

WELL: TH 3  
 LOCATION: 1793661E 404523N  
 SURFACE ELEVATION: 2922.  
 CASING SHOE: 2593.  
 FLOWRATE (KLBS/HR): 105.

COMMENTS:

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	6.	-11.	-100.
400.	399.	13.	-21.	-100.
600.	599.	19.	-30.	-100.
800.	798.	26.	-37.	-100.
1000.	998.	33.	-44.	0.
1200.	1198.	37.	-50.	-100.
1400.	1398.	43.	-55.	-100.
1600.	1598.	51.	-58.	-100.
1800.	1797.	60.	-60.	-100.
2000.	1997.	71.	-60.	0.
2200.	2196.	88.	-58.	-100.
2400.	2395.	104.	-54.	-100.
2593.	2588.	120.	-50.	-10.
2600.	2595.	121.	-49.	-100.
2800.	2794.	137.	-43.	-100.
3000.	2993.	153.	-36.	0.
3200.	3192.	170.	-24.	-100.
3400.	3391.	186.	-12.	-100.
3600.	3590.	202.	-1.	-100.
3800.	3789.	218.	10.	-100.
4000.	3988.	233.	21.	0.
4200.	4188.	245.	32.	-100.
4400.	4387.	259.	43.	-100.
4600.	4587.	273.	53.	-100.
4800.	4786.	287.	62.	-100.
5000.	4985.	303.	70.	0.
5200.	5184.	322.	78.	-100.
5400.	5383.	339.	84.	-100.
5600.	5582.	355.	88.	0.
5800.	5782.	371.	88.	-100.
6000.	5982.	384.	88.	-100.
6200.	6181.	396.	87.	0.
6240.	6221.	398.	87.	35.
6265.	6246.	400.	87.	35.
6340.	6320.	403.	86.	1.
6400.	6380.	406.	86.	0.
6600.	6580.	413.	88.	-100.
6800.	6780.	416.	87.	-100.
7000.	6980.	416.	83.	0.
7200.	7181.	417.	75.	-100.
7400.	7380.	409.	65.	-100.
7600.	7579.	393.	51.	0.
7800.	7777.	369.	34.	-100.
8000.	7973.	336.	15.	0.
8070.	8042.	326.	9.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
10.63	2593.	8070.

WELL: TH 5 OH  
 LOCATION: 1794023E 405864N  
 SURFACE ELEVATION: 2502.  
 CASING SHOE: 3010.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: NON COMMERCIAL WELL. SPOTTED GMT PLUG THRU DRILLPIPE AND STUCK SAME AT  
 4530'. PB & KO AT 3413 ON RD 1.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	2.	-100.
400.	400.	-2.	3.	-100.
500.	500.	-2.	4.	0.
600.	600.	-1.	6.	-100.
800.	800.	0.	8.	-100.
1000.	1000.	1.	10.	0.
1200.	1200.	2.	14.	-100.
1400.	1400.	1.	16.	-100.
1500.	1500.	1.	18.	0.
1600.	1600.	1.	19.	-100.
1800.	1800.	0.	21.	-100.
2000.	2000.	-4.	25.	0.
2200.	2199.	-12.	29.	-100.
2400.	2399.	-20.	33.	-100.
2500.	2499.	-24.	35.	0.
2600.	2600.	-35.	39.	-100.
2800.	2800.	-48.	43.	-100.
3000.	2999.	-49.	44.	0.
3010.	3009.	-49.	44.	-10.
3200.	3198.	-36.	45.	-100.
3400.	3395.	-12.	38.	-100.
3532.	3524.	10.	29.	0.
3600.	3589.	27.	22.	-100.
3800.	3780.	79.	-1.	-100.
4000.	3972.	132.	-28.	-100.
4028.	3999.	140.	-32.	0.
4200.	4165.	195.	-59.	-100.
4400.	4358.	250.	-91.	-100.
4450.	4407.	262.	-98.	1.
4494.	4449.	272.	-105.	0.
4600.	4551.	289.	-116.	-100.
4800.	4744.	321.	-141.	-100.
5000.	4937.	353.	-174.	-100.
5089.	5022.	368.	-191.	0.
5200.	5127.	390.	-219.	-100.
5400.	5318.	425.	-269.	-100.
5576.	5487.	450.	-310.	0.
5600.	5510.	453.	-315.	-100.
5800.	5704.	475.	-359.	-100.
6000.	5899.	489.	-401.	-100.
6076.	5973.	492.	-417.	0.
6200.	6096.	496.	-447.	-100.
6400.	6293.	493.	-489.	-100.
6600.	6487.	480.	-525.	-100.
6679.	6563.	472.	-538.	0.
6800.	6673.	451.	-552.	-100.
7000.	6859.	415.	-574.	-100.
7200.	7051.	375.	-597.	-100.
7230.	7080.	369.	-600.	0.
7400.	7248.	333.	-618.	-100.
7600.	7451.	287.	-640.	-100.
7696.	7551.	264.	-650.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL BOTTOM	*****
8.75	3010.	7696.	

WELL: TH 5 RD1  
 LOCATION: 1794023E 405864N  
 SURFACE ELEVATION: 2502.  
 CASING SHOE: 3010.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: NON COMMERCIAL WELL. PB & KO AT 3101 ON RD 2.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	2.	-100.
400.	400.	-2.	3.	-100.
500.	500.	-2.	4.	0.
600.	600.	-1.	6.	-100.
800.	800.	0.	8.	-100.
1000.	1000.	1.	10.	0.
1200.	1200.	2.	14.	-100.
1400.	1400.	1.	16.	-100.
1500.	1500.	1.	18.	0.
1600.	1600.	1.	19.	-100.
1800.	1800.	0.	21.	-100.
2000.	2000.	-4.	25.	0.
2200.	2199.	-12.	29.	-100.
2400.	2399.	-20.	33.	-100.
2500.	2499.	-24.	35.	0.
2600.	2599.	-37.	39.	-100.
2800.	2799.	-50.	44.	-100.
3000.	2999.	-49.	44.	0.
3010.	3009.	-48.	44.	-10.
3200.	3199.	-27.	40.	-100.
3338.	3335.	-12.	36.	0.
3400.	3396.	-7.	34.	-100.
3519.	3511.	7.	30.	0.
3600.	3588.	32.	29.	-100.
3800.	3779.	94.	25.	-100.
4000.	3969.	156.	20.	-100.
4024.	3992.	163.	20.	0.
4200.	4159.	217.	17.	-100.
4400.	4349.	279.	13.	-100.
4600.	4540.	339.	8.	-100.
4800.	4730.	400.	2.	-100.
5000.	4921.	459.	-5.	-100.
5019.	4939.	465.	-5.	0.
5200.	5111.	522.	-11.	-100.
5400.	5302.	583.	-19.	-100.
5600.	5493.	641.	-29.	1.
5800.	5684.	697.	-40.	-100.
6000.	5876.	751.	-52.	-100.
6075.	5948.	771.	-58.	0.
6200.	6069.	805.	-61.	-100.
6400.	6262.	855.	-76.	-100.
6467.	6326.	871.	-83.	30.
6600.	6454.	900.	-100.	1.
6604.	6458.	901.	-101.	0.
6800.	6646.	943.	-142.	-100.
7000.	6838.	977.	-183.	-100.
7006.	6844.	978.	-184.	0.
7200.	7032.	998.	-225.	-100.
7400.	7227.	1015.	-264.	-100.
7500.	7325.	1021.	-283.	0.
7600.	7423.	1026.	-301.	-100.
7800.	7619.	1033.	-336.	-100.
8000.	7817.	1035.	-369.	-100.
8200.	8014.	1033.	-399.	-100.
8400.	8213.	1026.	-427.	-100.
8450.	8263.	1023.	-434.	0.

-3824

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** BOTTOM
8.75	3010.	8450.

WELL: TH 5 RD2  
 LOCATION: 1794023E 405864N  
 SURFACE ELEVATION: 2502.  
 CASING SHOE: 3010.  
 FLOWRATE (KLBS/HR): 64.

COMMENTS: ORIGINAL TD 4165. FLOW DECREASED FROM 100 KLBS/HR TO 30 KLBS/HR. WELL WAS DEEPENED TO 5293.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-1.	2.	-100.
400.	400.	-2.	3.	-100.
500.	500.	-2.	4.	0.
600.	600.	-1.	6.	-100.
800.	800.	0.	8.	-100.
1000.	1000.	1.	10.	0.
1200.	1200.	2.	14.	-100.
1400.	1400.	1.	16.	-100.
1500.	1500.	1.	18.	0.
1600.	1600.	1.	19.	-100.
1800.	1800.	0.	21.	-100.
2000.	2000.	-4.	25.	0.
2200.	2200.	-12.	29.	-100.
2400.	2400.	-20.	33.	-100.
2500.	2499.	-24.	35.	0.
2600.	2599.	-26.	40.	-100.
2800.	2799.	-33.	46.	-100.
3000.	2998.	-45.	47.	-100.
3010.	3008.	-46.	47.	-10.
3101.	3099.	-54.	47.	0.
3200.	3197.	-66.	46.	-100.
3400.	3396.	-89.	39.	-100.
3530.	3525.	-102.	30.	0.
3600.	3594.	-109.	22.	-100.
3800.	3792.	-126.	-2.	-100.
4000.	3990.	-137.	-25.	-100.
4040.	4030.	-139.	-30.	0.
4015.	4005.	-138.	-27.	280.
4164.	4153.	-143.	-43.	15.
4165.	4154.	-143.	-43.	0.
4200.	4187.	-144.	-47.	-100.
4400.	4381.	-149.	-70.	-100.
4600.	4584.	-155.	-92.	-100.
4636.	4622.	-156.	-97.	0.
4800.	4798.	-161.	-115.	-100.
5000.	5023.	-168.	-137.	-100.
5200.	5259.	-175.	-159.	-100.
5293.	5374.	-179.	-169.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
8.75	3010.	5293.

WELL: TH 6  
 LOCATION: 1794792E 406285N  
 SURFACE ELEVATION: 2345.  
 CASING SHOE: 2476.  
 FLOWRATE (KLBS/HR): 129.

COMMENTS: BOTTOM HOLE LOCATION PROJECTED FROM 5814'. *No Felsite*

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-3.	6.	-100.
400.	400.	-6.	11.	-100.
593.	593.	-9.	14.	0.
600.	600.	-9.	14.	-100.
800.	800.	-12.	16.	-100.
1000.	1000.	-17.	17.	-100.
1059.	1059.	-19.	18.	0.
1200.	1200.	-25.	19.	-100.
1400.	1399.	-36.	19.	-100.
1526.	1525.	-43.	20.	0.
1600.	1599.	-48.	20.	-100.
1800.	1798.	-63.	20.	-100.
2000.	1997.	-80.	19.	-100.
2086.	2083.	-88.	19.	0.
2200.	2197.	-103.	14.	-100.
2400.	2396.	-124.	11.	-100.
2476.	2471.	-131.	13.	-10.
2535.	2530.	-135.	15.	0.
2600.	2595.	-136.	18.	-100.
2800.	2794.	-139.	33.	-100.
3000.	2991.	-144.	59.	-100.
3055.	3045.	-146.	68.	0.
3200.	3187.	-156.	99.	-100.
3400.	3380.	-168.	150.	-100.
3600.	3571.	-175.	209.	-100.
3723.	3686.	-178.	249.	0.
3800.	3756.	-177.	281.	-100.
4000.	3937.	-174.	365.	-100.
4200.	4119.	-172.	448.	-100.
4400.	4301.	-169.	530.	-100.
4409.	4309.	-169.	534.	0.
4600.	4483.	-168.	613.	-100.
4800.	4665.	-166.	693.	-100.
5000.	4849.	-162.	773.	-100.
5124.	4963.	-160.	821.	0.
5200.	5033.	-158.	850.	-100.
5400.	5219.	-152.	925.	-100.
5600.	5404.	-146.	1000.	-100.
5800.	5590.	-140.	1075.	-100.
5814.	5603.	-140.	1080.	0.
6000.	5776.	-134.	1149.	-100.
6010.	5785.	-134.	1152.	95.
6092.	5861.	-131.	1182.	95.
6118.	5886.	-130.	1192.	1.
6140.	5906.	-130.	1200.	80.
6200.	5962.	-128.	1222.	-100.
6400.	6148.	-121.	1295.	-100.
6550.	6288.	-116.	1349.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL *****	*****
	TOP	BOTTOM
8.75	2476.	6550.

THORNE-6 TH 6 A1794792E 406285N 2345 2476. 97 0 3 4 A

8.750 2476. 7809, 8.5 7809. 9323.

DEEPENED 6/3/92 TO 9324'. FLOW RATE GIVEN IS POST-DEEPENING. MOST NEW  
STEAM NOT FROM OBVIOUS STEAM ENTRIES. TD PROJECTED FROM 8724'.

593.	593.	-9.2	14.4	
1059.	1059.	-19.4	17.8	
1526.	1525.	-43.3	19.6	
2086.	2083.	-87.6	19.0	
2535.	2530.	-135.0	15.0	
3055.	3045.	-146.0	67.6	
3723.	3686.	-178.0	249.0	
4409.	4309.	-169.0	534.0	
5124.	4963.	-160.0	821.0	
5814.	5603.	-140.0	1080.0	
6010.				95.
6092.				95.
6118.				1.
6140.				80.
6550.	6288.	-116.0	1349.0	
6859.	6568.	-50.0	1461.0	
7008.	6700.	-17.0	1521.0	
7379.	7012.	87.0	1691.0	
8037.	7480.	361.0	2043.0	
8407.	7713.	546.0	2275.0	
8568.				42.
8724.	7897.	713.0	2476.0	
9324.	8201.	1045.0	2871.0	



WELL: TH 7 OH  
 LOCATION: 1796207E 408012N  
 SURFACE ELEVATION: 2284.  
 CASING SHOE: 5139.  
 FLOWRATE (KLBS/HR): 0.

COMMENTS: DRY HOLE. PLUGGED BACK AND REDRILLED FROM 5300'.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	2.	3.	-100.
400.	399.	6.	6.	-100.
600.	599.	10.	8.	-100.
700.	699.	12.	9.	0.
800.	799.	14.	9.	-100.
1000.	999.	19.	10.	-100.
1200.	1199.	26.	11.	-100.
1400.	1399.	33.	12.	-100.
1533.	1532.	38.	14.	0.
1600.	1599.	41.	15.	-100.
1800.	1799.	52.	18.	-100.
2000.	1999.	62.	22.	-100.
2200.	2198.	72.	26.	-100.
2400.	2398.	82.	31.	-100.
2535.	2533.	89.	34.	0.
2600.	2597.	92.	35.	-100.
2800.	2797.	101.	39.	-100.
3000.	2997.	110.	44.	-100.
3200.	3196.	120.	50.	-100.
3400.	3396.	129.	57.	-100.
3532.	3528.	136.	63.	0.
3600.	3596.	140.	65.	-100.
3800.	3796.	151.	75.	-100.
4000.	3995.	161.	86.	-100.
4088.	4083.	165.	92.	0.
4200.	4193.	170.	102.	-100.
4400.	4392.	178.	119.	-100.
4600.	4591.	187.	137.	-100.
4800.	4790.	195.	155.	-100.
4830.	4821.	196.	158.	0.
5000.	4990.	209.	173.	-100.
5139.	5128.	211.	186.	-10.
5195.	5184.	210.	192.	0.
5200.	5189.	210.	193.	-100.
5288.	5277.	205.	202.	0.
5400.	5387.	188.	198.	-100.
5600.	5584.	155.	190.	-100.
5800.	5780.	121.	181.	-100.
5822.	5802.	117.	180.	0.
6000.	5976.	84.	168.	-100.
6200.	6172.	46.	155.	-100.
6400.	6368.	7.	144.	-100.
6596.	6560.	-33.	135.	0.
6600.	6564.	-34.	135.	-100.
6800.	6760.	-77.	128.	-100.
7000.	6955.	-120.	122.	-100.
7200.	7150.	-162.	117.	-100.
7352.	7299.	-195.	114.	10.
7400.	7346.	-205.	113.	-100.
7463.	7407.	-218.	112.	0.
7600.	7540.	-249.	110.	-100.
7800.	7735.	-292.	109.	-100.
8000.	7931.	-333.	108.	-100.
8200.	8127.	-372.	109.	-100.
8255.	8181.	-382.	109.	0.
8400.	8324.	-408.	110.	-100.
8600.	8521.	-442.	113.	-100.
8800.	8718.	-473.	116.	-100.
9000.	8916.	-503.	121.	-100.
9112.	9027.	-518.	124.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
8.75	5139.	9112.

WELL: TH 7 RD  
 LOCATION: 1796207E 408012N  
 SURFACE ELEVATION: 2284.  
 CASING SHOE: 5139.  
 FLOWRATE (KLBS/HR): 75.

COMMENTS: K.O. FROM OH AT 5300'. COMPLETED 9-16-78. 2-05-80 CONVERTED TO INJECT.  
 WELL WITH 6.63"PERF. LINER "NOT HUNG BUT RESTING ON FILL".

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	2.	3.	-100.
400.	399.	6.	6.	-100.
600.	599.	10.	8.	-100.
700.	699.	12.	9.	0.
800.	799.	14.	9.	-100.
1000.	999.	19.	10.	-100.
1200.	1199.	26.	11.	-100.
1400.	1399.	33.	12.	-100.
1533.	1532.	38.	14.	0.
1600.	1599.	41.	15.	-100.
1800.	1799.	52.	18.	-100.
2000.	1999.	62.	22.	-100.
2200.	2198.	72.	26.	-100.
2400.	2398.	82.	31.	-100.
2535.	2533.	89.	34.	0.
2600.	2597.	92.	35.	-100.
2800.	2797.	101.	39.	-100.
3000.	2997.	110.	44.	-100.
3200.	3196.	120.	50.	-100.
3400.	3396.	129.	57.	-100.
3532.	3528.	136.	63.	0.
3600.	3596.	140.	65.	-100.
3800.	3796.	151.	75.	-100.
4000.	3995.	161.	86.	-100.
4088.	4083.	165.	92.	0.
4200.	4193.	170.	102.	-100.
4400.	4392.	178.	119.	-100.
4600.	4591.	187.	137.	-100.
4800.	4790.	195.	155.	-100.
4830.	4821.	196.	158.	0.
5000.	4990.	209.	173.	-100.
5139.	5128.	211.	186.	-10.
5195.	5184.	210.	192.	0.
5200.	5189.	210.	193.	-100.
5288.	5277.	205.	202.	0.
5400.	5388.	194.	206.	-100.
5484.	5471.	182.	205.	0.
5600.	5584.	156.	190.	-100.
5800.	5775.	106.	162.	-100.
6000.	5962.	48.	129.	-100.
6020.	5981.	41.	125.	0.
6200.	6145.	-23.	85.	-100.
6400.	6325.	-99.	44.	-100.
6554.	6463.	-160.	13.	0.
6600.	6504.	-179.	4.	-100.
6800.	6681.	-264.	-33.	-100.
6871.	6744.	-295.	-46.	100.
6976.	6836.	-341.	-65.	0.
7000.	6857.	-352.	-69.	-100.
7131.	6972.	-410.	-92.	40.
7146.	6985.	-417.	-95.	0.
7200.	7032.	-442.	-105.	-100.
7400.	7203.	-538.	-144.	-100.
7600.	7372.	-636.	-186.	-100.
7614.	7384.	-643.	-189.	0.
7800.	7539.	-737.	-231.	-100.
8000.	7702.	-841.	-280.	-100.
8173.	7842.	-933.	-324.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	***** TOP BOTTOM
8.75	5139.	6976.
8.50	6976.	8176.

WELL: TH 10  
 LOCATION: 1796473E 405423N  
 SURFACE ELEVATION: 2199.  
 CASING SHOE: 3400.  
 FLOWRATE (KLBS/HR): 23.

COMMENTS: P-T LOGS SHOW INJ. WATER @ 7030'. P.B. FOR RD. AFTER RD. REOPENED OH.  
 DRILLED OUT CMT & PUSHED BRIDGEPLUG TO 7000' FOR FORKED HOLE COMPLETION.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	0.	-100.
400.	400.	1.	1.	-100.
600.	600.	2.	3.	-100.
800.	800.	3.	7.	-100.
1000.	1000.	3.	11.	-100.
1058.	1058.	4.	13.	0.
1200.	1200.	5.	20.	-100.
1400.	1399.	6.	26.	-100.
1454.	1453.	5.	27.	0.
1600.	1601.	3.	30.	-100.
1800.	1802.	-2.	27.	-100.
2000.	2001.	-10.	16.	-100.
2200.	2199.	-20.	-4.	-100.
2311.	2308.	-26.	-20.	0.
2400.	2395.	-32.	-41.	-100.
2600.	2589.	-47.	-89.	-100.
2800.	2781.	-64.	-138.	-100.
3000.	2973.	-84.	-189.	-100.
3165.	3131.	-101.	-232.	0.
3200.	3164.	-105.	-241.	-100.
3349.	3306.	-122.	-281.	0.
3400.	3355.	-128.	-295.	-100.
3400.	3355.	-128.	-295.	-10.
3600.	3545.	-152.	-351.	-100.
3800.	3736.	-177.	-408.	-100.
3937.	3866.	-195.	-446.	0.
4000.	3926.	-203.	-464.	-100.
4200.	4116.	-230.	-521.	-100.
4400.	4306.	-258.	-577.	-100.
4600.	4496.	-287.	-632.	-100.
4707.	4598.	-303.	-661.	0.
4800.	4686.	-318.	-686.	-100.
4870.	4753.	-330.	-704.	3.
5000.	4877.	-351.	-739.	-100.
5200.	5067.	-384.	-790.	-100.
5400.	5257.	-418.	-842.	-100.
5512.	5364.	-437.	-870.	0.
5600.	5448.	-452.	-892.	-100.
5800.	5638.	-486.	-942.	-100.
5875.	5709.	-499.	-960.	14.
6000.	5829.	-521.	-991.	-100.
6200.	6019.	-557.	-1039.	-100.
6400.	6210.	-594.	-1086.	-100.
6532.	6336.	-618.	-1117.	0.
6600.	6401.	-631.	-1133.	-100.
6800.	6592.	-669.	-1179.	-100.
7000.	6783.	-708.	-1224.	-100.
7030.	6812.	-714.	-1231.	-2.
7043.	6825.	-716.	-1233.	-2.
7200.	6975.	-747.	-1268.	-100.
7398.	7164.	-786.	-1311.	0.
7400.	7166.	-786.	-1311.	-100.
7600.	7357.	-826.	-1354.	-100.
7800.	7549.	-867.	-1396.	-100.
8000.	7740.	-908.	-1437.	-100.
8200.	7931.	-949.	-1477.	-100.
8345.	8070.	-979.	-1505.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL ****	*****
	TOP	BOTTOM
12.25	3400.	8345.

WELL: TH 10 RD  
 LOCATION: 1796473E 405423N  
 SURFACE ELEVATION: 2199.  
 CASING SHOE: 3400.  
 FLOWRATE (KLBS/HR): 49.

COMMENTS: REDRILLED FROM 3425'. FORKED HOLE COMP. W/TOT. PROD. @ 72 KLBS/HR.  
 REDRILL TESTED AT 49 KLBS/HR BEFORE REOPENING OH.

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	1.	0.	-100.
400.	400.	1.	1.	-100.
600.	600.	2.	3.	-100.
800.	800.	3.	7.	-100.
1000.	1000.	3.	11.	-100.
1058.	1058.	4.	13.	0.
1200.	1200.	5.	20.	-100.
1400.	1399.	6.	26.	-100.
1454.	1453.	5.	27.	0.
1600.	1601.	3.	30.	-100.
1800.	1802.	-2.	27.	-100.
2000.	2001.	-10.	16.	-100.
2200.	2199.	-20.	-4.	-100.
2311.	2308.	-26.	-20.	0.
2400.	2395.	-32.	-41.	-100.
2600.	2589.	-47.	-89.	-100.
2800.	2781.	-64.	-138.	-100.
3000.	2973.	-84.	-189.	-100.
3165.	3131.	-101.	-232.	0.
3200.	3164.	-104.	-242.	-100.
3349.	3306.	-122.	-281.	0.
3400.	3356.	-131.	-294.	-100.
3400.	3356.	-131.	-294.	-10.
3600.	3550.	-168.	-336.	-100.
3800.	3743.	-208.	-360.	-100.
3888.	3828.	-226.	-366.	-1.
3975.	3912.	-245.	-368.	0.
4000.	3936.	-251.	-365.	-100.
4199.	4127.	-300.	-337.	-1.
4200.	4127.	-300.	-337.	-100.
4400.	4319.	-350.	-308.	-100.
4600.	4509.	-401.	-277.	-100.
4730.	4633.	-434.	-256.	0.
4800.	4700.	-451.	-244.	-100.
5000.	4891.	-501.	-210.	-100.
5046.	4934.	-513.	-202.	10.
5200.	5080.	-553.	-174.	-100.
5400.	5269.	-607.	-135.	-100.
5555.	5414.	-651.	-104.	0.
5600.	5455.	-667.	-92.	-100.
5800.	5637.	-736.	-44.	-100.
5932.	5759.	-778.	-13.	5.
6000.	5822.	-798.	2.	-100.
6156.	5968.	-842.	34.	5.
6192.	6002.	-851.	42.	5.
6200.	6009.	-853.	43.	-100.
6292.	6096.	-876.	61.	0.
6400.	6199.	-901.	81.	-100.
6600.	6391.	-943.	116.	-100.
6800.	6585.	-978.	146.	-100.
7000.	6782.	-1007.	174.	-100.
7050.	6832.	-1013.	180.	0.

OPEN HOLE DESCRIPTION

SIZE (IN)	**** INTERVAL	*****
	TOP	BOTTOM
12.25	3400.	5982.
0.63	983.	50.

WELL: WOLFE-1  
 LOCATION: 1796540E 405384N  
 SURFACE ELEVATION: 2198.  
 CASING SHOE: 3622.  
 FLOWRATE (KLBS/HR): 280.

COMMENTS: 5 TWIST OFFS/FISH RECOVERED 5826' TO 7480'.ORIF. TEST @ LEASE LINE  
 (7880') 125.5 KLBS @ 138PSIG.TD 4/20/91 FLOWRATE 279.5 @ 155.5 PSIG

M.D.	T.V.D	N(-S)	E(-W)	COMP. INC
0.	0.	0.	0.	0.
200.	200.	-2.	-5.	-100.
400.	400.	-3.	-8.	-100.
600.	600.	-4.	-10.	-100.
800.	800.	-5.	-10.	-100.
1000.	1000.	-6.	-9.	0.
1200.	1204.	-5.	-23.	-100.
1400.	1406.	-4.	-26.	-100.
1600.	1605.	-3.	-20.	-100.
1800.	1803.	-3.	-3.	-100.
2000.	1998.	-4.	24.	0.
2200.	2196.	-4.	68.	-100.
2400.	2389.	-5.	121.	-100.
2600.	2578.	-6.	181.	-100.
2800.	2763.	-9.	251.	-100.
3000.	2943.	-12.	329.	0.
3200.	3111.	-18.	436.	-100.
3400.	3281.	-24.	541.	-100.
3600.	3453.	-29.	643.	-100.
3622.	3472.	-29.	654.	-10.
3800.	3626.	-33.	743.	0.
4000.	3806.	-39.	831.	-100.
4200.	3985.	-43.	923.	-100.
4400.	4160.	-45.	1018.	-100.
4600.	4334.	-45.	1117.	0.
4800.	4505.	-44.	1221.	-100.
5000.	4674.	-40.	1327.	-100.
5200.	4841.	-32.	1436.	-100.
5400.	5007.	-22.	1547.	0.
5600.	5173.	-10.	1659.	-100.
5800.	5335.	6.	1775.	-100.
6000.	5493.	25.	1895.	0.
6200.	5650.	47.	2019.	-100.
6330.	5750.	63.	2101.	25.
6400.	5802.	73.	2146.	-100.
6506.	5881.	88.	2215.	10.
6575.	5931.	99.	2261.	5.
6600.	5949.	102.	2278.	-100.
6800.	6091.	136.	2413.	0.
7000.	6229.	171.	2557.	-100.
7200.	6361.	211.	2702.	-100.
7400.	6488.	258.	2848.	-100.
7600.	6611.	310.	2996.	0.
7675.	6656.	331.	3052.	55.
7800.	6729.	368.	3145.	-100.
8000.	6842.	433.	3295.	-100.
8200.	6951.	504.	3446.	-100.
8318.	7014.	549.	3536.	10.
8400.	7056.	582.	3599.	-100.
8492.	7103.	620.	3669.	0.

3700' (3700)  
 Me1 -> LGW  
 LGW -> SSW  
 5000 (5173)

OPEN HOLE DESCRIPTION

SIZE (IN)	**** TOP	INTERVAL	***** BOTTOM
12.25	3622.		4703.
10.63	4703.		7255.
8.75	7255.		8496.