

DRD INC.
Survey Report

Problem: H-40H
Description:
Location:
Well Number:

Date: 01/13/1994

Time: 09:33

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Surface Location

Slot
N+/-S 0.0 ft
E+/-W 0.0 ft
Latitude 0.000000 deg N
Longitude 0.000000 deg E

LAMBERT X
LAMBERT Y
FNL
FEL

1789665.0 ft
398932.0 ft
0.0 ft
0.0 ft

Location
RKB Wellhead
RKB MGL
RKB MSL
Water Depth
RKB Mudline

ONSHORE
0.0 ft
0.0 ft
0.0 ft
0.0 ft
0.0 ft

SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)

PLANNED AZIMUTH

N57.00W

MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft
0.0	0.00	N 0.00E	-2790.0	0.0	0.0	N 0.00E	398932.0	1789665.0	0.00	0.00	0.00
153.0	0.50	N45.00W	-2637.0	0.5	0.7	N22.50W	398932.6	1789664.7	0.33	0.33	-29.41
366.0	1.00	N34.00W	-2424.0	3.2	3.4	N36.30W	398934.7	1789663.0	0.24	0.23	5.16
491.0	0.75	N77.00E	-2299.0	3.5	4.5	N18.49W	398936.2	1789663.6	1.16	-0.20	88.80
615.0	1.00	N27.00E	-2175.1	2.9	5.4	N 0.22E	398937.4	1789665.0	0.62	0.20	-40.32
742.0	1.00	N 7.00W	-2048.1	3.8	7.6	N 3.04E	398939.5	1789665.4	0.46	0.00	-26.77
867.0	1.00	N27.00E	-1923.1	4.6	9.7	N 4.58E	398941.7	1789665.7	0.47	0.00	27.20
944.0	0.25	N15.00E	-1846.1	4.8	10.5	N 5.87E	398942.4	1789666.1	0.98	-0.97	-15.58
975.0	0.50	S40.00W	-1815.1	4.9	10.5	N 5.13E	398942.5	1789666.0	2.37	0.81	-500.00
1037.0	1.75	S50.00W	-1753.1	5.2	9.6	N 0.50E	398941.7	1789665.1	2.03	2.02	16.13
1102.0	3.25	S30.00W	-1688.2	5.5	7.7	N13.00W	398939.5	1789663.2	2.64	2.31	-30.77
1164.0	5.00	S18.00W	-1626.3	4.8	4.9	N45.98W	398935.4	1789661.5	3.13	2.82	-19.35
1263.0	7.75	S 7.00W	-1528.0	1.0	9.4	S39.04W	398924.7	1789659.1	3.03	2.78	-11.11
1358.0	10.00	S 7.00W	-1434.1	-5.4	23.2	S19.42W	398910.2	1789657.2	2.37	2.37	0.00
1420.0	12.25	S 7.00W	-1373.3	-10.7	34.9	S15.20W	398898.3	1789655.9	3.63	3.63	0.00
149.0	13.00	S 6.00W	-1247.4	-23.9	63.0	S11.31W	398870.3	1789652.6	0.61	0.58	-0.78
1673.0	13.00	S 9.00W	-1126.6	-35.3	90.8	S10.14W	398842.6	1789649.0	0.54	0.00	2.42
1796.0	13.00	S 5.00W	-1006.7	-47.4	118.4	S 9.41W	398815.2	1789645.6	0.73	0.00	-3.25
1920.0	13.25	S 7.00W	-886.0	-60.2	146.5	S 8.75W	398787.2	1789642.7	0.42	0.20	1.61
2045.0	13.50	S 8.00W	-764.3	-72.6	175.5	S 8.55W	398758.5	1789638.9	0.27	0.20	0.80
2171.0	13.50	S10.00W	-641.8	-84.6	204.9	S 8.61W	398729.4	1789634.4	0.37	0.00	1.59
2295.0	12.75	S15.00W	-521.1	-94.4	233.0	S 9.08W	398702.0	1789628.2	1.10	-0.60	4.03
2325.0	12.25	S16.00W	-491.8	-96.4	239.4	S 9.26W	398695.7	1789626.5	1.82	-1.67	3.33
2468.0	12.50	S15.00W	-352.1	-105.6	269.9	S 9.96W	398666.2	1789618.2	0.23	0.17	-0.70
2530.0	12.50	S18.00W	-291.6	-109.4	283.2	S10.27W	398653.3	1789614.5	1.05	0.00	4.84
2593.0	12.00	S10.00W	-230.0	-113.8	296.6	S10.44W	398640.3	1789611.2	2.81	-0.79	-12.70
2713.0	11.75	S 3.00W	-112.6	-124.8	321.2	S10.14W	398615.8	1789608.5	1.22	-0.21	-5.83
2835.0	11.00	S 5.00W	7.0	-136.4	345.1	S 9.71W	398591.8	1789606.7	0.69	-0.61	1.64
2990.0	11.00	S 5.00W	159.2	-150.3	374.6	S 9.34W	398562.4	1789604.2	0.00	0.00	0.00
3143.0	11.25	S 4.00W	309.3	-164.4	404.0	S 8.99W	398532.9	1789601.9	0.21	0.16	-0.65
3293.0	11.50	S 2.00W	456.4	-179.2	433.5	S 8.58W	398503.4	1789600.4	0.31	0.17	-1.33
3446.0	11.25	S 2.00W	606.4	-194.8	463.4	S 8.15W	398473.2	1789599.2	0.16	-0.16	0.00
3599.0	11.50	S 2.00W	756.3	-210.3	493.5	S 7.78W	398443.1	1789598.2	0.16	0.16	0.00
3750.0	11.25	S 4.00W	904.4	-225.2	523.1	S 7.50W	398413.3	1789596.6	0.31	-0.17	1.32
3905.0	11.00	S 4.00W	1056.5	-239.7	553.0	S 7.31W	398383.5	1789594.6	0.16	-0.16	0.00
4056.0	11.50	S 6.00W	1204.6	-253.5	582.4	S 7.20W	398354.2	1789592.0	0.42	0.33	1.32
4208.0	11.25	S 5.00W	1353.6	-267.4	612.4	S 7.11W	398324.3	1789589.1	0.21	-0.16	-0.66
4362.0	11.50	S 6.00W	1504.6	-281.4	642.8	S 7.04W	398294.1	1789586.2	0.21	0.16	0.65
4513.0	11.25	S 7.00W	1652.6	-294.7	672.5	S 7.01W	398264.5	1789582.9	0.21	-0.17	0.66
4668.0	11.25	S 7.00W	1804.6	-307.9	702.8	S 7.01W	398234.5	1789579.1	0.00	0.00	0.00
4823.0	10.75	S 8.00W	1956.8	-320.7	732.4	S 7.03W	398205.2	1789575.4	0.35	-0.32	0.65
4977.0	10.00	S11.00W	2108.2	-331.7	760.1	S 7.12W	398177.8	1789570.7	0.60	-0.49	1.95
5158.0	11.25	S 6.00W	2286.1	-345.6	793.4	S 7.18W	398144.8	1789565.9	0.86	0.69	-2.76
5314.0	11.50	S 7.00W	2439.1	-359.3	824.2	S 7.16W	398114.2	1789562.4	0.20	0.16	0.64
5466.0	11.50	S11.00W	2588.0	-371.6	854.5	S 7.22W	398084.3	1789557.6	0.52	0.00	2.63
5620.0	11.50	S13.00W	2738.9	-382.6	885.1	S 7.39W	398054.3	1789551.2	0.26	0.00	1.30
5787.0	11.75	S17.00W	2902.5	-393.0	918.4	S 7.66W	398021.8	1789542.5	0.51	0.15	2.40
5940.0	11.50	S13.00W	3052.4	-402.5	949.0	S 7.90W	397992.0	1789534.5	0.55	-0.16	-2.61
6097.0	11.50	S13.00W	3206.2	-413.2	980.2	S 8.06W	397961.5	1789527.5	0.00	0.00	0.00
6253.0	11.50	S16.00W	3359.1	-423.1	1011.1	S 8.26W	397931.4	1789519.7	0.38	0.00	1.92
6403.0	11.25	S16.00W	3506.1	-431.7	1040.4	S 8.48W	397903.0	1789511.5	0.17	-0.17	0.00
6555.0	11.00	S21.00W	3655.3	-439.1	1069.3	S 8.76W	397875.2	1789502.2	0.66	-0.16	3.29
6706.0	11.25	S16.00W	3803.4	-446.4	1098.0	S 9.01W	397847.6	1789493.0	0.66	0.17	-3.31
6889.0	11.00	S19.00W	3983.0	-455.8	1132.9	S 9.28W	397813.9	1789482.4	0.34	-0.14	1.64
7044.0	12.25	S19.00W	4134.8	-463.4	1163.7	S 9.54W	397784.3	1789472.2	0.81	0.81	0.00

DRD INC.
Survey Report

Problem:
Description:
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Well Number:

H-4OH

Date: 01/13/1994

Time: 09:33

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SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)
PLANNED AZIMUTH N57.00W

MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft
7198.0	13.50	S19.00W	4284.9	-471.7	1197.6	S 9.81W	397751.9	1789461.0	0.81	0.81	0.00
7353.0	14.25	S19.00W	4435.4	-480.7	1234.3	S10.08W	397716.7	1789449.0	0.48	0.48	0.00
7499.0	14.00	S21.00W	4577.0	-488.7	1269.4	S10.36W	397683.3	1789436.7	0.38	-0.17	1.37
7654.0	11.50	S25.00W	4728.2	-494.6	1302.8	S10.69W	397651.8	1789423.4	1.71	-1.61	2.58
7822.0	9.75	S29.00W	4893.3	-497.9	1332.6	S11.06W	397624.2	1789409.4	1.13	-1.04	2.38
7978.0	3.00	S37.00W	5048.2	-497.9	1348.6	S11.34W	397609.7	1789399.9	4.35	-4.33	5.13
8161.0	1.50	N30.00W	5231.1	-492.6	1349.5	S11.59W	397610.1	1789393.9	2.10	-0.82	61.75
8335.0	1.50	N30.00W	5405.0	-488.5	1346.0	S11.72W	397614.0	1789391.6	0.00	0.00	0.00

POINTS OF INTEREST

DESCRIPTION	MD	INCL	DIREC	TVD	+N / -S	+E / -W	CLOS DIST
	ft	deg	quad	ft	ft	ft	ft
CASING SHOE	2410.0	12.40	S15.41W	-408.7	398678.2	1789621.6	257.4
1# ENTRY	5440.0	11.50	S10.32W	2562.5	398089.4	1789558.5	849.3
1# ENTRY	5819.0	11.70	S16.16W	2933.8	398015.6	1789540.6	924.8
4# ENTRY	5841.0	11.66	S15.59W	2955.4	398011.3	1789539.4	929.2
8# ENTRY	5862.0	11.63	S15.04W	2975.9	398007.2	1789538.2	933.4
MEAN ENTRY	5823.0	11.69	S16.06W	2937.8	398014.8	1789540.4	925.6
FELSITE	7460.0	14.07	S20.47W	4539.2	397692.1	1789440.1	1260.1

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Problem:
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J-40H

Date: 01/13/1994

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Surface Location

Slot
N+/-S 0.0 ft
E+/-W 0.0 ft
Latitude 0.000000 deg N
Longitude 0.000000 deg E

LAMBERT X 1797519.0 ft
LAMBERT Y 393656.0 ft
FNL 0.0 ft
FEL 0.0 ft

Location OFFSHORE
RKB Wellhead 0.0 ft
RKB MGL 0.0 ft
RKB MSL 0.0 ft
Water Depth 0.0 ft
RKB Mudline 0.0 ft

SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)

PLANNED AZIMUTH			N55.00W								
MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft
0.0	0.00	N 0.00E	-3240.0	0.0	0.0	N 0.00E	393656.0	1797519.0	0.00	0.00	0.00
187.0	0.75	S 9.00E	-3053.0	-0.6	0.8	N85.50E	393656.1	1797519.9	0.40	0.40	91.44
262.0	2.25	S15.00E	-2978.0	-2.1	2.2	S33.40E	393654.2	1797520.2	2.01	2.00	-8.00
387.0	2.25	S 9.00E	-2853.1	-5.7	7.0	S18.63E	393649.3	1797521.2	0.19	0.00	4.80
511.0	2.25	S13.00E	-2729.2	-9.2	11.9	S15.51E	393644.6	1797522.1	0.13	0.00	-3.23
638.0	2.00	S28.00E	-2602.3	-13.0	16.5	S16.92E	393640.2	1797523.9	0.48	-0.20	-11.81
764.0	1.75	S34.00E	-2476.4	-16.8	20.6	S19.72E	393636.6	1797526.0	0.25	-0.20	-4.76
887.0	2.25	S47.00E	-2353.5	-20.9	24.6	S23.26E	393633.4	1797528.7	0.55	0.41	-10.57
1041.0	2.50	S38.00E	-2199.6	-27.2	30.7	S27.18E	393628.7	1797533.0	0.29	0.16	5.84
1204.0	3.00	S31.00E	-2036.8	-34.5	38.5	S28.66E	393622.2	1797537.5	0.37	0.31	4.29
1358.0	3.50	S21.00E	-1883.0	-42.1	47.2	S28.17E	393614.4	1797541.2	0.49	0.32	6.49
1462.0	2.75	S25.00E	-1779.2	-46.9	52.8	S27.62E	393609.2	1797543.5	0.75	-0.72	-3.85
1493.0	2.00	S35.00E	-1748.2	-48.1	54.1	S27.67E	393608.1	1797544.1	2.76	-2.42	-32.26
1555.0	2.50	S59.00E	-1686.3	-50.5	56.4	S28.49E	393606.4	1797545.9	1.70	0.81	-38.71
619.0	2.75	S79.00E	-1622.3	-53.3	58.6	S30.34E	393605.4	1797548.6	1.47	0.39	-31.25
651.0	2.75	N84.00E	-1590.4	-54.6	59.5	S31.57E	393605.3	1797550.1	2.54	0.00	-53.12
1683.0	3.25	N81.00E	-1558.4	-55.8	60.2	S33.03E	393605.5	1797551.7	1.64	1.56	-9.38
1762.0	4.75	N73.00E	-1479.6	-59.5	62.3	S37.79E	393606.8	1797557.1	2.02	1.90	-10.13
1856.0	7.25	N67.00E	-1386.1	-65.1	66.0	S45.94E	393610.1	1797566.4	2.74	2.66	-6.38
1951.0	9.75	N68.00E	-1292.2	-72.7	72.7	S56.15E	393615.5	1797579.4	2.64	2.63	1.05
2073.0	12.25	N67.00E	-1172.4	-85.2	87.8	S68.90E	393624.4	1797600.9	2.06	2.05	-0.82
2230.0	16.50	N69.00E	-1020.4	-106.4	119.2	S81.81E	393639.0	1797637.0	2.73	2.71	1.27
2325.0	18.50	N68.00E	-929.8	-122.2	144.7	S87.42E	393649.5	1797663.6	2.13	2.11	-1.05
2387.0	19.75	N68.00E	-871.2	-133.2	163.4	N89.62E	393657.1	1797682.4	2.02	2.02	0.00
2521.0	20.25	N88.00E	-745.3	-158.2	206.7	N84.93E	393674.2	1797724.9	0.37	0.37	0.00
2679.0	20.25	N63.00E	-597.0	-186.0	258.9	N80.91E	393696.9	1797774.6	1.09	0.00	-3.16
2837.0	20.00	N62.00E	-448.7	-211.1	311.0	N77.74E	393722.0	1797822.9	0.27	-0.16	-0.63
2995.0	19.00	N62.00E	-299.8	-235.0	362.0	N75.48E	393746.8	1797869.5	0.63	-0.63	0.00
3151.0	18.50	N63.00E	-152.0	-258.2	411.0	N73.91E	393769.9	1797913.9	0.38	-0.32	0.64
3308.0	18.00	N64.00E	-2.9	-281.6	459.5	N72.80E	393791.9	1797957.9	0.38	-0.32	0.64
3513.0	18.00	N63.00E	192.0	-311.8	522.1	N71.68E	393820.2	1798014.6	0.15	0.00	-0.49
3668.0	20.25	N62.00E	338.5	-335.3	572.3	N70.86E	393843.6	1798059.6	1.47	1.45	-0.65
3762.0	21.25	N61.00E	426.4	-350.1	605.2	N70.35E	393859.5	1798088.9	1.13	1.06	-1.06
3822.0	21.50	N61.00E	482.2	-359.7	626.8	N70.03E	393870.1	1798108.0	0.42	0.42	0.00
3854.0	21.25	N64.00E	512.0	-365.1	638.3	N69.89E	393875.5	1798118.4	3.50	-0.78	9.38
3885.0	21.25	N67.00E	540.9	-370.8	649.5	N69.81E	393880.1	1798128.6	3.51	0.00	9.68
3954.0	21.25	N76.00E	605.2	-385.7	674.5	N69.88E	393888.1	1798152.2	4.72	0.00	13.04
4048.0	21.00	N76.00E	692.9	-407.9	708.2	N70.17E	393896.2	1798185.1	0.27	-0.27	0.00
4209.0	20.25	N77.00E	843.6	-445.5	764.6	N70.64E	393909.5	1798240.4	0.51	-0.47	0.62
4458.0	19.75	N75.00E	1077.6	-501.4	849.4	N71.17E	393930.1	1798323.0	0.34	-0.20	-0.80
4616.0	18.75	N77.00E	1226.8	-535.5	901.3	N71.45E	393942.7	1798373.5	0.76	-0.63	1.27
4769.0	19.50	N74.00E	1371.3	-568.1	951.3	N71.67E	393955.2	1798422.0	0.81	0.49	-1.96
4952.0	21.00	N71.00E	1543.0	-606.6	1014.6	N71.72E	393974.3	1798482.4	1.00	0.82	-1.64
5106.0	22.50	N70.00E	1686.0	-639.8	1071.7	N71.65E	393993.3	1798536.2	1.00	0.97	-0.65
5259.0	24.25	N71.00E	1826.5	-675.0	1132.4	N71.59E	394013.6	1798593.4	1.17	1.14	0.65
5413.0	26.25	N69.00E	1965.7	-712.7	1198.0	N71.50E	394036.1	1798655.1	1.41	1.30	-1.30
5565.0	27.50	N71.00E	2101.3	-752.1	1266.7	N71.42E	394059.6	1798719.7	1.01	0.82	1.32
5723.0	28.75	N69.00E	2240.7	-794.8	1341.2	N71.34E	394085.0	1798789.7	0.99	0.79	-1.27
579.0	27.50	N68.00E	2378.2	-835.4	1414.6	N71.20E	394112.0	1798858.1	0.86	-0.80	-0.64
1035.0	27.75	N69.00E	2516.5	-875.3	1486.9	N71.06E	394138.5	1798925.4	0.34	0.16	0.64
6187.0	27.50	N71.00E	2651.1	-915.7	1557.3	N71.02E	394162.6	1798991.6	0.63	-0.16	1.32
6335.0	27.25	N68.00E	2782.6	-954.3	1625.4	N70.95E	394186.4	1799055.4	0.95	-0.17	-2.03
6489.0	25.75	N69.00E	2920.4	-992.9	1694.0	N70.85E	394211.6	1799119.2	1.02	-0.97	0.65
6643.0	25.25	N65.00E	3059.4	-1027.3	1760.2	N70.71E	394237.5	1799180.4	1.16	-0.32	-2.60
6796.0	24.00	N65.00E	3198.4	-1059.2	1823.6	N70.51E	394264.4	1799238.1	0.82	-0.82	0.00

DRD INC.
Survey Report

Problem:
Description:
Location:
Well Number:

J-40H

Date: 01/13/1994

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SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)
PLANNED AZIMUTH N55.00W

MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft
6949.0	22.00	N62.00E	3339.3	-1087.7	1882.9	N70.29E	394291.1	1799291.6	1.51	-1.31	-1.96
7101.0	21.50	N62.00E	3480.5	-1113.3	1938.7	N70.05E	394317.6	1799341.4	0.33	-0.33	0.00
7287.0	19.00	N60.00E	3654.9	-1141.5	2002.3	N69.76E	394348.8	1799397.6	1.39	-1.34	-1.08
7439.0	18.50	N59.00E	3798.9	-1161.8	2050.4	N69.51E	394373.6	1799439.7	0.39	-0.33	-0.66
7594.0	15.75	N53.00E	3947.0	-1178.1	2094.8	N69.22E	394399.1	1799477.5	2.11	-1.77	-3.87
7774.0	15.25	N52.00E	4120.4	-1192.6	2140.9	N68.85E	394428.4	1799515.7	0.31	-0.28	-0.56
7902.0	17.25	N47.00E	4243.3	-1201.6	2174.7	N68.54E	394451.6	1799542.9	1.91	1.56	-3.91
8052.0	18.75	N47.00E	4386.0	-1211.2	2217.9	N68.10E	394483.2	1799576.9	1.00	1.00	0.00
8204.0	18.50	N47.00E	4530.0	-1221.3	2263.2	N67.66E	394516.3	1799612.4	0.16	-0.16	0.00
8358.0	18.75	N47.00E	4676.0	-1231.5	2309.3	N67.23E	394549.9	1799648.2	0.16	0.16	0.00
8555.0	19.25	N46.00E	4862.2	-1244.3	2369.4	N66.68E	394594.0	1799694.9	0.30	0.25	-0.51
8708.0	19.00	N47.00E	5006.8	-1254.3	2416.5	N66.27E	394628.5	1799731.1	0.27	-0.16	0.65
8855.0	19.00	N47.00E	5145.8	-1264.2	2461.7	N65.90E	394661.2	1799766.1	0.00	0.00	0.00
9011.0	17.75	N47.00E	5293.8	-1274.5	2508.3	N65.54E	394694.7	1799802.1	0.80	-0.80	0.00
9158.0	17.50	N45.00E	5433.9	-1283.0	2550.3	N65.20E	394725.6	1799834.1	0.45	-0.17	-1.36
9315.0	17.50	N45.00E	5583.6	-1291.2	2594.7	N64.84E	394759.0	1799867.5	0.00	0.00	0.00
9433.0	17.50	N45.00E	5696.2	-1297.3	2628.1	N64.58E	394784.1	1799892.6	0.00	0.00	0.00

POINTS OF INTEREST

DESCRIPTION

MD	INCL	DIREC	TVD	+N / -S	+E / -W	CLOS DIST
ft	deg	quad	ft	ft	ft	ft
8130.0	18.62	N47.00E	4459.9	394500.3	1799595.1	2241.2
5440.0	26.47	N69.36E	1989.9	394040.3	1798666.4	1210.0

LSITE

DRD INC.
Survey Report

Problem: J-50H
Description:
Location:
Well Number:

Date: 01/13/1994

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Surface Location

Slot
N+/-S 0.0 ft
E+/-W 0.0 ft
Latitude 0.00000 deg N
Longitude 0.00000 deg E

LAMBERT X 1797514.0 ft
LAMBERT Y 393644.0 ft
FNL 0.0 ft
FEL 0.0 ft

Location ONSHORE
RKB Wellhead 0.0 ft
RKB MGL 0.0 ft
RKB MSL 0.0 ft
Water Depth 0.0 ft
RKB Mudline 0.0 ft

SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)

PLANNED AZIMUTH		N49.00E												
HD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK			
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft			
0.0	0.00	N 0.00E	-3240.0	0.0	0.0	N 0.00E	393644.0	1797514.0	0.00	0.00	0.00			
227.0	1.00	N68.00W	-3013.0	0.2	1.9	N34.00W	393645.6	1797513.0	0.44	0.44	-29.96			
424.0	2.75	N56.00W	-2816.1	-2.1	8.1	N55.81W	393648.6	1797507.2	0.91	0.89	6.09			
581.0	2.25	N55.00W	-2659.3	-3.8	15.0	N55.67W	393652.4	1797501.6	0.32	-0.32	0.64			
734.0	2.25	N46.00W	-2506.4	-4.8	21.0	N54.19W	393656.2	1797497.0	0.23	0.00	5.88			
796.0	3.00	N47.00W	-2444.5	-5.1	23.8	N53.28W	393658.2	1797495.0	1.21	1.21	-1.61			
827.0	3.25	N52.00W	-2413.5	-5.3	25.5	N53.03W	393659.3	1797493.6	1.19	0.81	-16.13			
858.0	4.00	N54.00W	-2382.6	-5.7	27.4	N53.02W	393660.5	1797492.1	2.45	2.42	-6.45			
889.0	4.00	N59.00W	-2351.6	-6.3	29.6	N53.28W	393661.7	1797490.2	1.13	0.00	-16.13			
920.0	4.75	N63.00W	-2320.7	-7.1	31.9	N53.85W	393662.8	1797488.2	2.61	2.42	-12.90			
951.0	5.50	N64.00W	-2289.9	-8.2	34.7	N54.61W	393664.1	1797485.7	2.44	2.42	-3.23			
982.0	6.25	N69.00W	-2259.0	-9.5	37.8	N55.61W	393665.3	1797482.9	2.93	2.42	-16.13			
1071.0	8.25	N76.00W	-2170.7	-15.4	48.6	N59.45W	393668.7	1797472.1	2.45	2.25	-7.87			
1196.0	10.75	N76.00W	-2047.5	-27.2	68.6	N64.36W	393673.7	1797452.1	2.00	2.00	0.00			
1324.0	13.75	N79.00W	-1922.4	-43.4	95.3	N68.08W	393679.6	1797425.6	2.40	2.34	-2.34			
1460.0	14.00	N77.00W	-1790.4	-63.0	127.5	N70.60W	393686.3	1797393.7	0.40	0.18	1.47			
1587.0	14.25	N77.00W	-1667.2	-81.2	158.4	N71.85W	393693.3	1797363.5	0.20	0.20	0.00			
1675.0	14.75	N71.00W	-1582.0	-93.2	180.4	N72.11W	393699.4	1797342.4	1.80	0.57	6.82			
1831.0	17.25	N69.00W	-1432.1	-114.1	223.4	N71.71W	393714.1	1797301.9	1.64	1.60	1.28			
1991.0	20.00	N71.00W	-1280.4	-138.8	274.4	N71.39W	393731.6	1797253.9	1.76	1.72	-1.25			
2154.0	21.00	N72.00W	-1127.8	-167.8	331.5	N71.41W	393749.7	1797199.7	0.65	0.61	-0.61			
2314.0	20.75	N74.00W	-978.3	-198.0	388.5	N71.64W	393766.4	1797145.2	0.47	-0.16	-1.25			
2468.0	20.00	N70.00W	-833.9	-225.6	442.1	N71.69W	393782.9	1797094.2	1.03	-0.49	2.60			
2625.0	19.50	N70.00W	-686.1	-251.3	495.1	N71.50W	393801.1	1797044.5	0.32	-0.32	0.00			
2781.0	18.75	N70.00W	-538.8	-276.1	546.2	N71.36W	393818.6	1796996.4	0.48	-0.48	0.00			
2938.0	18.00	N68.00W	-389.8	-299.3	595.7	N71.17W	393836.3	1796950.2	0.62	-0.48	1.27			
3095.0	18.50	N68.00W	-240.7	-321.7	644.8	N70.93W	393854.7	1796904.6	0.32	0.32	0.00			
3251.0	18.00	N70.00W	-92.5	-344.6	693.6	N70.79W	393872.2	1796859.0	0.51	-0.32	-1.28			
3405.0	19.00	N69.00W	53.5	-367.9	742.5	N70.71W	393889.3	1796813.2	0.68	0.65	0.65			
3595.0	20.00	N70.00W	232.6	-398.2	805.9	N70.61W	393911.5	1796753.9	0.55	0.53	-0.53			
3750.0	23.50	N69.00W	376.6	-425.6	863.3	N70.54W	393931.7	1796700.0	2.27	2.26	0.65			
3911.0	24.00	N70.00W	523.9	-456.5	928.1	N70.46W	393954.3	1796639.4	0.40	0.31	-0.62			
4067.0	23.50	N70.00W	666.7	-487.0	990.9	N70.43W	393975.8	1796580.2	0.32	-0.32	0.00			
4222.0	23.50	N72.00W	808.9	-517.9	1052.7	N70.47W	393996.0	1796521.9	0.51	0.00	-1.29			
4381.0	23.75	N70.00W	954.5	-549.7	1116.5	N70.50W	394016.7	1796461.6	0.53	0.16	1.26			
4536.0	23.25	N72.00W	1096.7	-580.6	1178.3	N70.52W	394036.8	1796403.1	0.61	-0.32	-1.29			
4784.0	22.50	N73.00W	1325.2	-631.0	1274.6	N70.67W	394065.8	1796311.2	0.34	-0.30	-0.40			
4940.0	22.50	N76.00W	1469.3	-664.0	1334.2	N70.85W	394081.8	1796253.7	0.74	0.00	-1.92			
5323.0	22.00	N77.00W	1823.8	-748.2	1478.5	N71.40W	394115.6	1796112.6	0.16	-0.13	-0.26			
5444.0	22.25	N75.00W	1935.9	-774.3	1524.0	N71.54W	394126.7	1796068.5	0.66	0.21	1.65			
5598.0	23.00	N74.00W	2078.0	-807.0	1583.1	N71.65W	394142.5	1796011.4	0.55	0.49	0.65			
5751.0	23.75	N74.00W	2218.5	-840.1	1643.8	N71.73W	394159.2	1795953.0	0.49	0.49	0.00			
5907.0	24.75	N75.00W	2360.7	-875.4	1707.8	N71.84W	394176.3	1795891.2	0.69	0.64	-0.64			
6061.0	26.00	N74.00W	2499.8	-911.9	1773.7	N71.94W	394194.0	1795827.7	0.86	0.81	0.65			
6222.0	25.00	N74.00W	2645.2	-949.6	1843.0	N72.01W	394213.1	1795761.1	0.62	-0.62	0.00			
6375.0	23.00	N77.00W	2784.9	-984.8	1905.1	N72.13W	394228.7	1795700.9	1.53	-1.31	-1.96			
6468.0	21.50	N78.00W	2871.0	-1005.8	1940.2	N72.23W	394236.3	1795666.5	1.66	-1.61	-1.08			
6619.0	19.00	N78.00W	3012.6	-1037.2	1992.2	N72.38W	394247.1	1795615.4	1.66	-1.66	0.00			
7769.0	19.00	N78.00W	3154.5	-1066.6	2040.8	N72.51W	394257.3	1795567.6	0.00	0.00	0.00			
824.0	18.25	N81.00W	3301.4	-1097.4	2089.9	N72.68W	394266.3	1795518.9	0.78	-0.48	-1.94			
7076.0	19.00	N83.00W	3445.4	-1129.3	2137.8	N72.89W	394273.1	1795470.9	0.65	0.49	-1.32			
7229.0	19.75	N80.00W	3589.7	-1162.3	2188.0	N73.09W	394280.6	1795420.6	0.81	0.49	1.96			
7384.0	20.25	N82.00W	3735.4	-1196.3	2240.5	N73.27W	394288.9	1795368.2	0.55	0.32	-1.29			
7539.0	21.25	N79.00W	3880.3	-1231.3	2295.0	N73.45W	394297.9	1795314.1	0.94	0.65	1.94			
7692.0	22.25	N81.00W	4022.4	-1266.9	2351.3	N73.60W	394307.8	1795258.2	0.81	0.65	-1.31			

DRD INC.
Survey Report

Problem: J-50H
Description:
Location:
Well Number:

Date: 01/13/1994

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SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)
PLANNED AZIMUTH N49.00E

MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft
7843.0	23.50	N78.00W	4161.6	-1303.5	2409.7	N73.75W	394318.5	1795200.6	1.13	0.83	1.99
7998.0	25.00	N83.00W	4302.9	-1343.9	2472.9	N73.92W	394329.0	1795137.9	1.64	0.97	-3.23
8157.0	24.50	N81.00W	4447.3	-1387.6	2538.9	N74.13W	394338.2	1795071.9	0.61	-0.31	1.26
8312.0	23.50	N77.00W	4588.9	-1426.4	2601.7	N74.25W	394350.2	1795010.0	1.23	-0.65	2.58
8464.0	22.75	N76.00W	4728.7	-1461.1	2661.3	N74.30W	394364.2	1794952.0	0.56	-0.49	0.66
8650.0	23.00	N88.00W	4900.0	-1508.4	2732.8	N74.50W	394374.2	1794880.5	2.51	0.13	-6.45
8806.0	21.25	N87.00W	5044.5	-1551.0	2790.1	N74.77W	394376.8	1794821.9	1.15	-1.12	0.64
8992.0	19.25	N85.00W	5219.0	-1596.6	2853.3	N75.02W	394381.3	1794757.6	1.14	-1.08	1.08
9147.0	18.25	N83.00W	5365.8	-1630.5	2902.5	N75.18W	394386.5	1794708.1	0.77	-0.65	1.29
9302.0	17.50	N79.00W	5513.3	-1661.1	2949.8	N75.27W	394393.9	1794661.1	0.93	-0.48	2.58
9455.0	15.75	N84.00W	5659.9	-1689.5	2993.3	N75.36W	394400.4	1794617.7	1.48	-1.14	-3.27
9603.0	14.25	N89.00W	5802.9	-1716.8	3030.9	N75.50W	394402.7	1794579.6	1.34	-1.01	-3.38
9757.0	14.00	S76.00W	5952.2	-1747.7	3065.9	N75.75W	394398.5	1794542.4	2.38	-0.16	-9.74
9904.0	13.25	S61.00W	6095.1	-1780.3	3094.0	N76.13W	394385.8	1794510.2	2.45	-0.51	-10.20
10058.0	11.50	S81.00W	6245.5	-1810.7	3121.7	N76.45W	394375.2	1794479.1	2.99	-1.14	12.99
10213.0	11.25	S83.00W	6397.4	-1836.4	3150.1	N76.66W	394370.9	1794448.9	0.30	-0.16	1.29
10370.0	10.75	S80.00W	6551.6	-1861.6	3177.9	N76.86W	394366.5	1794419.2	0.48	-0.32	-1.91
10524.0	9.25	S75.00W	6703.2	-1885.1	3202.1	N77.07W	394360.7	1794393.1	1.12	-0.97	-3.25
10629.0	9.25	S75.00W	6806.8	-1900.3	3217.0	N77.21W	394356.3	1794376.9	0.00	0.00	0.00

POINTS OF INTEREST

DESCRIPTION	MD	INCL	DIREC	TVD	+N / -S	+E / -W	CLOS DIST
	ft	deg	quad	ft	ft	ft	ft
FELSITE	9420.0	16.15	N82.86W	5626.3	394399.3	1794627.4	2983.8

DRD INC.
Survey Report

Problem: Q-9
Description:
Location:
Well Number:

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Surface Location

Slot
N+/-S 0.0 ft
E+/-W 0.0 ft
Latitude 0.000000 deg N
Longitude 0.000000 deg E

LAMBERT X
LAMBERT Y
FNL
FEL

1797364.0 ft
397270.0 ft
0.0 ft
0.0 ft

Location
RKB Wellhead
RKB MGL
RKB MSL
Water Depth
RKB Mudline

ONSHORE
0.0 ft
0.0 ft
0.0 ft
0.0 ft
0.0 ft

SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)

PLANNED AZIMUTH			N49.00E								
MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft
0.0	0.00	N 0.00E	-2935.0	0.0	0.0	N 0.00E	397270.0	1797364.0	0.00	0.00	0.00
195.0	0.50	N36.00W	-2740.0	0.3	0.8	N18.00W	397270.8	1797363.7	0.26	0.26	-18.46
349.0	1.75	N38.00W	-2586.0	0.5	3.8	N32.91W	397273.2	1797361.9	0.81	0.81	-1.30
473.0	1.50	N23.00W	-2462.1	1.2	7.3	N31.76W	397276.2	1797360.1	0.40	-0.20	12.10
596.0	1.75	N30.00W	-2339.1	2.0	10.8	N30.06W	397279.3	1797358.6	0.26	0.20	-5.69
720.0	1.25	N16.00W	-2215.2	3.1	14.0	N28.44W	397282.3	1797357.4	0.50	-0.40	11.29
867.0	1.25	N20.00E	-2068.2	5.2	16.8	N22.99W	397285.5	1797357.4	0.53	0.00	24.49
898.0	1.00	N37.00E	-2037.2	5.8	17.2	N21.41W	397286.0	1797357.7	1.34	-0.81	54.84
929.0	1.75	N67.00E	-2006.2	6.5	17.4	N19.09W	397286.5	1797358.2	3.28	2.42	96.77
959.0	2.00	N73.00E	-1976.2	7.4	17.5	N15.87W	397286.8	1797359.2	1.06	0.83	20.00
989.0	2.75	N73.00E	-1946.3	8.6	17.5	N11.81W	397287.2	1797360.4	2.50	2.50	0.00
1020.0	3.25	N79.00E	-1915.3	10.0	17.7	N 6.55W	397287.6	1797362.0	1.90	1.61	19.35
1050.0	4.00	N79.00E	-1885.4	11.6	17.9	N 0.49W	397287.9	1797363.9	2.50	2.50	0.00
1080.0	4.75	N74.00E	-1855.5	13.7	18.6	N 6.40E	397288.5	1797366.1	2.80	2.50	-16.67
171.0	7.75	N69.00E	-1765.0	22.8	24.5	N27.95E	397291.6	1797375.5	3.35	3.30	-5.49
262.0	11.00	N63.00E	-1675.2	37.0	37.3	N42.14E	397297.6	1797389.0	3.72	3.57	-6.59
1354.0	13.50	N61.00E	-1585.3	56.0	56.0	N48.94E	397306.8	1797406.2	2.76	2.72	-2.17
1418.0	13.00	N62.00E	-1523.0	70.3	70.4	N51.54E	397313.8	1797419.1	0.86	-0.78	1.56
1508.0	14.00	N67.00E	-1435.5	90.6	91.0	N54.50E	397322.8	1797438.1	1.71	1.11	5.56
1600.0	16.50	N67.00E	-1346.8	113.6	114.7	N57.12E	397332.3	1797460.4	2.72	2.72	0.00
1723.0	19.75	N64.00E	-1229.9	150.3	152.7	N59.21E	397348.2	1797495.1	2.75	2.64	-2.44
1848.0	22.50	N61.00E	-1113.3	194.1	197.7	N59.96E	397368.9	1797535.1	2.36	2.20	-2.40
1971.0	24.75	N62.00E	-1000.6	242.2	246.9	N60.27E	397392.5	1797578.4	1.86	1.83	0.81
2134.0	25.50	N62.00E	-853.0	309.6	316.1	N60.65E	397425.0	1797639.5	0.46	0.46	0.00
2289.0	26.00	N61.00E	-713.4	375.4	383.5	N60.80E	397457.1	1797698.7	0.43	0.32	-0.65
2443.0	25.75	N61.00E	-574.9	441.1	450.7	N60.83E	397489.7	1797757.5	0.16	-0.16	0.00
2598.0	25.50	N60.00E	-435.1	506.8	517.7	N60.79E	397522.7	1797815.9	0.32	-0.16	-0.65
2753.0	24.75	N61.00E	-294.8	571.3	583.5	N60.75E	397555.1	1797873.1	0.56	-0.48	0.65
2906.0	25.25	N61.00E	-156.1	634.5	648.2	N60.78E	397586.4	1797929.6	0.33	0.33	0.00
3062.0	24.75	N59.00E	-14.7	699.2	714.1	N60.71E	397619.4	1797986.7	0.63	-0.32	-1.28
3217.0	24.00	N55.00E	126.4	762.6	777.9	N60.40E	397654.2	1798040.4	1.17	-0.48	-2.58
3273.0	23.75	N52.00E	177.6	785.2	800.4	N60.21E	397667.7	1798058.6	2.21	-0.45	-5.36
3304.0	23.50	N53.00E	206.0	797.6	812.7	N60.09E	397675.3	1798068.5	1.52	-0.81	3.23
3335.0	23.00	N55.00E	234.5	809.7	824.9	N60.00E	397682.5	1798078.4	3.01	-1.61	6.45
3365.0	23.25	N55.00E	262.1	821.5	836.6	N59.93E	397689.2	1798088.0	0.83	0.83	0.00
3428.0	24.25	N58.00E	319.8	846.6	862.0	N59.83E	397703.2	1798109.1	2.49	1.59	4.76
3555.0	24.00	N60.00E	435.7	897.7	913.9	N59.78E	397730.0	1798153.6	0.67	-0.20	1.57
3616.0	23.50	N61.00E	491.5	921.8	938.4	N59.80E	397742.1	1798175.0	1.05	-0.82	1.64
3697.0	24.00	N57.00E	565.7	953.9	971.0	N59.77E	397758.8	1798203.0	2.08	0.62	-4.94
3750.0	23.50	N61.00E	614.2	974.9	992.4	N59.76E	397769.8	1798221.2	3.18	-0.94	7.55
3781.0	23.25	N63.00E	642.6	986.9	1004.7	N59.78E	397775.6	1798232.1	2.68	-0.81	6.45
3812.0	23.25	N66.00E	671.1	998.7	1016.9	N59.84E	397780.9	1798243.2	3.82	0.00	9.68
3881.0	22.75	N69.00E	734.6	1024.3	1043.6	N60.04E	397791.2	1798268.1	1.85	-0.72	4.35
3976.0	22.50	N67.00E	822.3	1058.8	1079.8	N60.31E	397804.9	1798302.0	0.85	-0.26	-2.11
4130.0	21.25	N67.00E	965.2	1113.4	1136.8	N60.64E	397827.3	1798354.7	0.81	-0.81	0.00
4284.0	20.75	N64.00E	1109.0	1166.3	1191.8	N60.87E	397850.2	1798405.0	0.77	-0.32	-1.95
4441.0	19.00	N62.00E	1256.6	1218.1	1245.1	N60.96E	397874.4	1798452.6	1.20	-1.11	-1.27
4593.0	18.25	N62.00E	1400.7	1265.4	1293.7	N61.00E	397897.2	1798495.5	0.49	-0.49	0.00
746.0	17.00	N62.00E	1546.5	1310.5	1340.0	N61.03E	397919.0	1798536.4	0.82	-0.82	0.00
789.0	16.00	N64.00E	1692.2	1352.4	1383.1	N61.09E	397938.6	1798574.7	0.76	-0.66	1.32
5052.0	15.25	N64.00E	1840.5	1392.5	1424.5	N61.18E	397956.7	1798612.1	0.49	-0.49	0.00
5202.0	14.75	N63.00E	1985.4	1430.1	1463.3	N61.24E	397974.1	1798646.9	0.38	-0.33	-0.67
5357.0	16.50	N61.00E	2134.7	1470.7	1505.1	N61.26E	397993.7	1798683.6	1.18	1.13	-1.29
5508.0	17.25	N62.00E	2279.2	1513.5	1548.9	N61.27E	398014.6	1798722.2	0.53	0.50	0.66
5663.0	19.00	N59.00E	2426.5	1560.8	1597.1	N61.24E	398038.3	1798764.1	1.28	1.13	-1.94

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SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)
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MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft
5823.0	19.25	N57.00E	2577.7	1612.6	1649.5	N61.14E	398066.1	1798808.6	0.44	0.16	-1.25
5980.0	18.50	N56.00E	2726.2	1662.9	1700.1	N61.00E	398094.1	1798851.0	0.52	-0.48	-0.64
6137.0	17.25	N57.00E	2875.6	1710.7	1748.1	N60.88E	398120.7	1798891.1	0.82	-0.80	0.64
6303.0	18.00	N56.00E	3033.8	1760.5	1798.2	N60.76E	398148.5	1798933.1	0.49	0.45	-0.60
6459.0	18.00	N54.00E	3182.2	1808.5	1846.2	N60.61E	398176.1	1798972.5	0.40	0.00	-1.28
6615.0	18.25	N55.00E	3330.5	1856.8	1894.5	N60.45E	398204.3	1799012.1	0.26	0.16	0.64
6753.0	18.00	N54.00E	3461.6	1899.5	1937.2	N60.32E	398229.2	1799047.0	0.29	-0.18	-0.72
6908.0	18.25	N53.00E	3608.9	1947.6	1985.1	N60.15E	398257.9	1799085.7	0.26	0.16	-0.65
7062.0	18.50	N52.00E	3755.1	1996.0	2033.2	N59.97E	398287.5	1799124.2	0.26	0.16	-0.65
7205.0	18.25	N51.00E	3890.8	2041.1	2077.8	N59.79E	398315.5	1799159.6	0.28	-0.17	-0.70
7361.0	19.00	N51.00E	4038.6	2090.8	2127.0	N59.58E	398346.9	1799198.2	0.48	0.48	0.00
7535.0	19.00	N52.00E	4203.1	2147.4	2183.1	N59.37E	398382.1	1799242.6	0.19	0.00	0.57
7690.0	19.50	N52.00E	4349.5	2198.5	2233.8	N59.21E	398413.6	1799282.9	0.32	0.32	0.00
7838.0	20.00	N52.00E	4488.8	2248.4	2283.4	N59.05E	398444.4	1799322.2	0.34	0.34	0.00
8111.0	20.00	N52.00E	4745.3	2341.7	2376.1	N58.77E	398501.9	1799395.9	0.00	0.00	0.00
8161.0	20.00	N52.00E	4792.3	2358.7	2393.1	N58.72E	398512.4	1799409.4	0.00	0.00	0.00
8279.0	21.00	N53.00E	4902.8	2400.0	2434.2	N58.62E	398537.6	1799442.1	0.90	0.85	0.85
8433.0	22.00	N53.00E	5046.1	2456.3	2490.4	N58.49E	398571.5	1799487.2	0.65	0.65	0.00
8576.0	23.50	N52.00E	5178.0	2511.5	2545.4	N58.36E	398605.2	1799531.1	1.08	1.05	-0.70
8731.0	26.00	N50.00E	5318.7	2576.3	2609.7	N58.18E	398646.0	1799581.5	1.70	1.61	-1.29
8886.0	27.00	N47.00E	5457.4	2645.5	2677.9	N57.93E	398691.8	1799633.2	1.08	0.65	-1.94
9041.0	28.00	N42.00E	5594.9	2716.8	2747.6	N57.58E	398742.9	1799683.5	1.62	0.65	-3.23
9196.0	27.50	N55.00E	5732.1	2788.8	2818.7	N57.35E	398790.6	1799737.4	3.91	-0.32	8.39
9441.0	25.00	N50.00E	5951.8	2896.9	2926.7	N57.17E	398856.5	1799823.4	1.36	-1.02	-2.04
9586.0	23.00	N47.00E	6084.3	2955.9	2985.0	N57.00E	398895.6	1799867.5	1.62	-1.38	-2.07
9739.0	22.75	N50.00E	6225.2	3015.4	3043.8	N56.84E	398935.0	1799912.0	0.78	-0.16	1.96
9900.0	22.00	N49.00E	6374.1	3076.6	3104.6	N56.69E	398974.8	1799958.6	0.52	-0.47	-0.62
10000.0	22.00	N49.00E	6466.8	3114.1	3141.7	N56.60E	398999.4	1799986.9	0.00	0.00	0.00

POINTS OF INTEREST

DESCRIPTION	MD	INCL	DIREC	TVD	+N / -S	+E / -W	CLOS DIST
	ft	deg	quad	ft	ft	ft	ft
FELSITE	8390.0	21.72	N53.00E	5006.2	398561.9	1799474.4	2474.4

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Surface Location

Slot
N+/-S 0.0 ft
E+/-W 0.0 ft
Latitude 0.000000 deg N
Longitude 0.000000 deg E

LAMBERT X 1797364.0 ft
LAMBERT Y 397270.0 ft
FNL 0.0 ft
FEL 0.0 ft

Location
RKB Wellhead 0.0 ft
RKB MGL 0.0 ft
RKB MSL 0.0 ft
Water Depth 0.0 ft
RKB Mudline 0.0 ft

SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)

PLANNED AZIMUTH			N55.00W								
MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft
0.0	0.00	N 0.00E	-2935.0	0.0	0.0	N 0.00E	397270.0	1797364.0	0.00	0.00	0.00
195.0	0.50	N36.00W	-2740.0	0.7	0.8	N18.00W	397270.8	1797363.7	0.26	0.26	-18.46
349.0	1.75	N38.00W	-2586.0	3.5	3.8	N32.91W	397273.2	1797361.9	0.81	0.81	-1.30
473.0	1.50	N23.00W	-2462.1	6.7	7.3	N31.76W	397276.2	1797360.1	0.40	-0.20	12.10
596.0	1.75	N30.00W	-2339.1	9.8	10.8	N30.06W	397279.3	1797358.6	0.26	0.20	-5.69
720.0	1.25	N16.00W	-2215.2	12.5	14.0	N28.44W	397282.3	1797357.4	0.50	-0.40	11.29
867.0	1.25	N20.00E	-2068.2	14.3	16.8	N22.99W	397285.5	1797357.4	0.53	0.00	24.49
898.0	1.00	N37.00E	-2037.2	14.3	17.2	N21.41W	397286.0	1797357.7	1.34	-0.81	54.84
929.0	1.75	N67.00E	-2006.2	14.1	17.4	N19.09W	397286.5	1797358.2	3.28	2.42	96.77
959.0	2.00	N73.00E	-1976.2	13.6	17.5	N15.87W	397286.8	1797359.2	1.06	0.83	20.00
989.0	2.75	N73.00E	-1946.3	12.8	17.5	N11.81W	397287.2	1797360.4	2.50	2.50	0.00
1020.0	3.25	N79.00E	-1915.3	11.7	17.7	N 6.55W	397287.6	1797362.0	1.90	1.61	19.35
1050.0	4.00	N79.00E	-1885.4	10.4	17.9	N 0.49W	397287.9	1797363.9	2.50	2.50	0.00
1080.0	4.75	N74.00E	-1855.5	8.9	18.6	N 6.40E	397288.5	1797366.1	2.80	2.50	-16.67
1171.0	7.75	N69.00E	-1765.0	3.0	24.5	N27.95E	397291.6	1797375.5	3.35	3.30	-5.49
1262.0	11.00	N63.00E	-1675.2	-4.6	37.3	N42.14E	397297.6	1797389.0	3.72	3.57	-6.59
1354.0	13.50	N61.00E	-1585.3	-13.5	56.0	N48.94E	397306.8	1797406.2	2.76	2.72	-2.17
1418.0	13.00	N62.00E	-1523.0	-20.0	70.4	N51.54E	397313.8	1797419.1	0.86	-0.78	1.56
1508.0	14.00	N67.00E	-1435.5	-30.4	91.0	N54.50E	397322.8	1797438.1	1.71	1.11	5.56
1600.0	16.50	N67.00E	-1346.8	-43.2	114.7	N57.12E	397332.3	1797460.4	2.72	2.72	0.00
1723.0	19.75	N64.00E	-1229.9	-62.6	152.7	N59.21E	397348.2	1797495.1	2.75	2.64	-2.44
1848.0	22.50	N61.00E	-1113.3	-83.4	197.7	N59.96E	397368.9	1797535.1	2.36	2.20	-2.40
1971.0	24.75	N62.00E	-1000.6	-105.4	246.9	N60.27E	397392.5	1797578.4	1.86	1.83	0.81
2134.0	25.50	N62.00E	-853.0	-136.8	316.1	N60.65E	397425.0	1797639.5	0.46	0.46	0.00
2289.0	26.00	N61.00E	-713.4	-166.9	383.5	N60.80E	397457.1	1797698.7	0.43	0.32	-0.65
2443.0	25.75	N61.00E	-574.9	-196.3	450.7	N60.83E	397489.7	1797757.5	0.16	-0.16	0.00
2598.0	25.50	N60.00E	-435.1	-225.2	517.7	N60.79E	397522.7	1797815.9	0.32	-0.16	-0.65
2753.0	24.75	N61.00E	-294.8	-253.5	583.5	N60.75E	397555.1	1797873.1	0.56	-0.48	0.65
2906.0	25.25	N61.00E	-156.1	-281.9	648.2	N60.78E	397586.4	1797929.6	0.33	0.33	0.00
3062.0	24.75	N59.00E	-14.7	-309.7	714.1	N60.71E	397619.4	1797986.7	0.63	-0.32	-1.28
3217.0	24.00	N55.00E	126.4	-333.7	777.9	N60.40E	397654.2	1798040.4	1.17	-0.48	-2.58
3273.0	23.75	N52.00E	177.6	-340.9	800.4	N60.21E	397667.7	1798058.6	2.21	-0.45	-5.36
3304.0	23.50	N53.00E	206.0	-344.6	812.7	N60.09E	397675.3	1798068.5	1.52	-0.81	3.23
3335.0	23.00	N55.00E	234.5	-348.6	824.9	N60.00E	397682.5	1798078.4	3.01	-1.61	6.45
3365.0	23.25	N55.00E	262.1	-352.6	836.6	N59.93E	397689.2	1798088.0	0.83	0.83	0.00
3428.0	24.25	N58.00E	319.8	-361.9	862.0	N59.83E	397703.2	1798109.1	2.49	1.59	4.76
3555.0	24.00	N60.00E	435.7	-383.0	913.9	N59.78E	397730.0	1798153.6	0.67	-0.20	1.57
3616.0	23.50	N61.00E	491.5	-393.6	938.4	N59.80E	397742.1	1798175.0	1.05	-0.82	1.64
3697.0	24.00	N57.00E	565.7	-406.9	971.0	N59.77E	397758.8	1798203.0	2.08	0.62	-4.94
3750.0	23.50	N61.00E	614.2	-415.6	992.4	N59.76E	397769.8	1798221.2	3.18	-0.94	7.55
3781.0	23.25	N63.00E	642.6	-421.1	1004.7	N59.78E	397775.6	1798232.1	2.68	-0.81	6.45
3812.0	23.25	N66.00E	671.1	-427.2	1016.9	N59.84E	397780.9	1798243.2	3.82	0.00	9.68
3881.0	22.75	N69.00E	734.6	-441.7	1043.6	N60.04E	397791.2	1798268.1	1.85	-0.72	4.35
3976.0	22.50	N67.00E	822.3	-461.6	1079.8	N60.31E	397804.9	1798302.0	0.85	-0.26	-2.11
4130.0	21.25	N67.00E	965.2	-492.0	1136.8	N60.64E	397827.3	1798354.7	0.81	-0.81	0.00
4284.0	20.75	N64.00E	1109.0	-520.0	1191.8	N60.87E	397850.2	1798405.0	0.77	-0.32	-1.95
4441.0	19.00	N62.00E	1256.6	-545.0	1245.1	N60.96E	397874.4	1798452.6	1.20	-1.11	-1.27
4593.0	18.25	N62.00E	1400.7	-567.1	1293.7	N61.00E	397897.2	1798495.5	0.49	-0.49	0.00
4746.0	17.00	N62.00E	1546.5	-588.1	1340.0	N61.03E	397919.0	1798536.4	0.82	-0.82	0.00
4898.0	16.00	N64.00E	1692.2	-608.4	1383.1	N61.09E	397938.6	1798574.7	0.76	-0.66	1.32
5052.0	15.25	N64.00E	1840.5	-628.5	1424.5	N61.18E	397956.7	1798612.1	0.49	-0.49	0.00
5202.0	14.75	N63.00E	1985.4	-647.0	1463.3	N61.24E	397974.1	1798646.9	0.38	-0.33	-0.67
5357.0	16.50	N61.00E	2134.7	-665.9	1505.1	N61.26E	397993.7	1798683.6	1.18	1.13	-1.29
5508.0	17.25	N62.00E	2279.2	-685.5	1548.9	N61.27E	398014.6	1798722.2	0.53	0.50	0.66
5663.0	19.00	N59.00E	2426.5	-706.3	1597.1	N61.24E	398038.3	1798764.1	1.28	1.13	-1.94

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SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)
PLANNED AZIMUTH N55.00W

MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft
5823.0	19.25	N57.00E	2577.7	-726.7	1649.5	N61.14E	398066.1	1798808.6	0.44	0.16	-1.25
5980.0	18.50	N56.00E	2726.2	-745.4	1700.1	N61.00E	398094.1	1798851.0	0.52	-0.48	-0.64
6137.0	17.25	N57.00E	2875.6	-763.0	1748.1	N60.88E	398120.7	1798891.1	0.82	-0.80	0.64
6303.0	18.00	N56.00E	3033.8	-781.4	1798.2	N60.76E	398148.5	1798933.1	0.49	0.45	-0.60
6459.0	18.00	N54.00E	3182.2	-797.9	1846.2	N60.61E	398176.1	1798972.5	0.40	0.00	-1.28
6615.0	18.25	N55.00E	3330.5	-814.1	1894.5	N60.45E	398204.3	1799012.1	0.26	0.16	0.64
6753.0	18.00	N54.00E	3461.6	-828.5	1937.2	N60.32E	398229.2	1799047.0	0.29	-0.18	-0.72
6908.0	18.25	N53.00E	3608.9	-843.8	1985.1	N60.15E	398257.9	1799085.7	0.26	0.16	-0.65
7062.0	18.50	N52.00E	3755.1	-858.4	2033.2	N59.97E	398287.5	1799124.2	0.26	0.16	-0.65
7205.0	18.25	N51.00E	3890.8	-871.2	2077.8	N59.79E	398315.5	1799159.6	0.28	-0.17	-0.70
7361.0	19.00	N51.00E	4038.6	-884.9	2127.0	N59.58E	398346.9	1799198.2	0.48	0.48	0.00
7535.0	19.00	N52.00E	4203.1	-901.0	2183.1	N59.37E	398382.1	1799242.6	0.19	0.00	0.57
7690.0	19.50	N52.00E	4349.5	-915.9	2233.8	N59.21E	398413.6	1799282.9	0.32	0.32	0.00
7838.0	20.00	N52.00E	4488.8	-930.5	2283.4	N59.05E	398444.4	1799322.2	0.34	0.34	0.00
8111.0	20.00	N52.00E	4745.3	-957.8	2376.1	N58.77E	398501.9	1799395.9	0.00	0.00	0.00
8161.0	20.00	N52.00E	4792.3	-962.8	2393.1	N58.72E	398512.4	1799409.4	0.00	0.00	0.00
8279.0	21.00	N53.00E	4902.8	-975.3	2434.2	N58.62E	398537.6	1799442.1	0.90	0.85	0.85
8433.0	22.00	N53.00E	5046.1	-992.7	2490.4	N58.49E	398571.5	1799487.2	0.65	0.65	0.00
8576.0	23.50	N52.00E	5178.0	-1009.3	2545.4	N58.36E	398605.2	1799531.1	1.08	1.05	-0.70
8731.0	26.00	N50.00E	5318.7	-1027.2	2609.7	N58.18E	398646.0	1799581.5	1.70	1.61	-1.29
8886.0	27.00	N47.00E	5457.4	-1043.4	2677.9	N57.93E	398691.8	1799633.2	1.08	0.65	-1.94
9041.0	28.00	N42.00E	5594.9	-1055.2	2747.6	N57.58E	398742.9	1799683.5	1.62	0.65	-3.23
9196.0	27.50	N55.00E	5732.1	-1072.0	2818.7	N57.35E	398790.6	1799737.4	3.91	-0.32	8.39
9441.0	25.00	N50.00E	5951.8	-1104.6	2926.7	N57.17E	398856.5	1799823.4	1.36	-1.02	-2.04
9586.0	23.00	N47.00E	6084.3	-1118.3	2985.0	N57.00E	398895.6	1799867.5	1.62	-1.38	-2.07
9739.0	22.75	N50.00E	6225.2	-1132.2	3043.8	N56.84E	398935.0	1799912.0	0.78	-0.16	1.96
9900.0	22.00	N49.00E	6374.1	-1147.5	3104.6	N56.69E	398974.8	1799958.6	0.52	-0.47	-0.62
10000.0	22.00	N49.00E	6466.8	-1156.6	3141.7	N56.60E	398999.4	1799986.9	0.00	0.00	0.00

POINTS OF INTEREST

DESCRIPTION	MD	INCL	DIREC	TVD	+N / -S	+E / -W	CLOS DIST
	ft	deg	quad	ft	ft	ft	ft
FELSITE	8390.0	21.72	N53.00E	5006.2	398561.9	1799474.4	2474.4

DRD INC.
Survey Report

Problem: Y-1RD2
Description:
Location:
Well Number:

Date: 01/13/1994

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Surface Location

Slot LAMBERT X 1796027.0 ft
N+/-S 0.0 ft LAMBERT Y 395215.0 ft
E+/-W 0.0 ft FSL 0.0 ft
Latitude 0.000000 deg N FEL 0.0 ft
Longitude 0.000000 deg E

Location ONSHORE
RKB Wellhead 0.0 ft
RKB MGL 0.0 ft
RKB MSL 0.0 ft
Water Depth 0.0 ft
RKB Mudline 0.0 ft

SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)

PLANNED AZIMUTH		N55.00W											
MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK		
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft		
0.0	0.00	N 0.00E	-3360.0	0.0	0.0	N 0.00E	395215.0	1796027.0	0.00	0.00	0.00		
497.0	5.25	N 1.00W	-2863.7	13.2	22.8	N 0.50W	395237.7	1796026.7	1.06	1.06	-0.20		
645.0	5.00	N 0.00E	-2716.3	20.9	36.0	N 0.50W	395251.0	1796026.6	0.18	-0.17	0.68		
801.0	5.25	N 0.00E	-2560.9	28.9	49.9	N 0.36W	395264.9	1796026.6	0.16	0.16	0.00		
958.0	5.25	N 2.00E	-2404.6	36.9	64.3	N 0.06W	395279.3	1796026.9	0.12	0.00	1.27		
1153.0	5.25	N 3.00W	-2210.4	47.3	82.1	N 0.15W	395297.1	1796026.7	0.23	0.00	-2.56		
1250.0	5.25	N10.00E	-2113.8	51.9	90.9	N 0.20E	395305.9	1796027.4	1.22	0.00	13.40		
1282.0	5.00	N24.00E	-2081.9	52.8	93.7	N 0.71E	395308.7	1796028.1	3.97	-0.78	43.75		
1313.0	5.00	N36.00E	-2051.0	53.0	96.0	N 1.49E	395311.0	1796029.5	3.37	0.00	38.71		
1344.0	5.25	N41.00E	-2020.2	52.8	98.3	N 2.47E	395313.2	1796031.2	1.65	0.81	16.13		
1450.0	7.50	N45.00E	-1914.8	51.2	107.5	N 6.55E	395321.8	1796039.2	2.16	2.12	3.77		
1543.0	10.25	N46.00E	-1822.9	48.6	119.0	N10.89E	395331.8	1796049.5	2.96	2.96	1.08		
1637.0	13.00	N45.00E	-1730.9	45.1	135.0	N15.46E	395345.1	1796063.0	2.93	2.93	-1.06		
1700.0	14.00	N44.00E	-1669.6	42.7	148.0	N18.23E	395355.6	1796073.2	1.63	1.59	-1.59		
1794.0	16.00	N44.00E	-1578.8	38.9	170.3	N21.79E	395373.1	1796090.2	2.13	2.13	0.00		
387.0	17.75	N42.00E	-1489.8	35.2	195.7	N24.65E	395392.8	1796108.6	1.98	1.88	-2.15		
1989.0	21.00	N42.00E	-1393.6	31.0	228.2	N27.18E	395418.0	1796131.2	3.19	3.19	0.00		
2117.0	22.00	N40.00E	-1274.5	26.1	274.0	N29.53E	395453.4	1796162.0	0.97	0.78	-1.56		
2188.0	22.50	N44.00E	-1208.8	22.9	300.3	N30.64E	395473.4	1796180.0	2.25	0.70	5.63		
2296.0	22.25	N51.00E	-1109.0	14.0	339.8	N32.65E	395501.1	1796210.2	2.48	-0.23	6.48		
2420.0	22.00	N50.00E	-994.1	1.5	384.5	N34.78E	395530.8	1796246.4	0.36	-0.20	-0.81		
2520.0	21.50	N46.00E	-901.2	-6.9	420.7	N35.93E	395555.6	1796273.9	1.56	-0.50	-4.00		
2561.0	19.75	N40.00E	-862.8	-8.9	435.0	N36.17E	395566.2	1796283.7	6.69	-4.27	-14.63		
2631.0	18.00	N32.00E	-796.6	-9.3	457.6	N36.16E	395584.5	1796297.0	4.46	-2.50	-11.43		
2745.0	15.00	N24.00E	-687.3	-5.3	489.7	N35.62E	395613.0	1796312.2	3.30	-2.63	-7.02		
2776.0	15.00	N20.00E	-657.4	-3.5	497.5	N35.40E	395620.5	1796315.2	3.34	0.00	-12.90		
2807.0	15.00	N16.00E	-627.4	-1.2	505.1	N35.13E	395628.1	1796317.6	3.34	0.00	-12.90		
2880.0	15.00	N 7.00E	-556.9	6.4	522.5	N34.30E	395646.6	1796321.5	3.19	0.00	-12.33		
3005.0	14.75	N12.00E	-436.1	20.2	551.8	N32.90E	395678.2	1796326.7	1.05	-0.20	4.00		
3150.0	14.00	N13.00E	-295.6	33.9	585.6	N31.68E	395713.4	1796334.5	0.54	-0.52	0.69		
3224.0	13.50	N 6.00E	-223.8	41.5	601.9	N31.05E	395730.7	1796337.4	2.35	-0.68	-9.46		
3334.0	13.00	N 1.00W	-116.7	55.1	624.2	N29.94E	395755.9	1796338.5	1.53	-0.45	-6.36		
3396.0	13.00	N11.00W	-56.3	64.2	635.5	N29.20E	395769.7	1796337.1	3.62	0.00	-16.13		
3490.0	11.50	N24.00W	35.6	80.0	649.3	N27.92E	395788.7	1796331.1	3.33	-1.60	-13.83		
3566.0	11.00	N32.00W	110.1	93.2	657.8	N26.86E	395801.8	1796324.1	2.15	-0.66	-10.53		
3692.0	11.00	N32.00W	233.8	115.3	670.5	N25.10E	395822.2	1796311.4	0.00	0.00	0.00		
3787.0	10.50	N33.00W	327.1	131.7	680.2	N23.84E	395837.2	1796301.9	0.56	-0.53	-1.05		
3912.0	9.75	N37.00W	450.2	152.3	691.8	N22.28E	395855.1	1796289.2	0.82	-0.60	-3.20		
4035.0	9.50	N39.00W	571.5	172.0	702.2	N20.82E	395871.3	1796276.6	0.34	-0.20	-1.63		
4158.0	9.75	N39.00W	692.7	191.8	712.8	N19.39E	395887.3	1796263.6	0.20	0.20	0.00		
4282.0	9.75	N36.00W	814.9	211.8	724.4	N18.00E	395904.0	1796250.9	0.41	0.00	2.42		
4535.0	10.00	N37.00W	1064.2	252.9	750.5	N15.30E	395938.9	1796225.1	0.12	0.10	-0.40		
4723.0	10.00	N35.00W	1249.3	283.8	771.3	N13.41E	395965.3	1796205.9	0.18	0.00	1.06		
4910.0	10.00	N33.00W	1433.5	314.1	793.6	N11.69E	395992.2	1796187.7	0.19	0.00	1.07		
5099.0	10.00	N28.00W	1619.6	344.0	818.2	N10.14E	396020.5	1796171.1	0.46	0.00	2.65		
5287.0	10.50	N26.00W	1804.6	373.5	845.2	N 8.77E	396050.3	1796155.9	0.33	0.27	1.06		
5475.0	11.00	N23.00W	1989.3	403.7	874.7	N 7.51E	396082.2	1796141.4	0.40	0.27	1.60		
5662.0	10.75	N23.00W	2173.0	433.6	905.3	N 6.38E	396114.7	1796127.6	0.13	-0.13	0.00		
5849.0	11.25	N21.00W	2356.5	463.6	936.8	N 5.34E	396147.7	1796114.2	0.34	0.27	1.07		
6037.0	11.25	N18.00W	2540.9	493.4	970.2	N 4.43E	396182.3	1796102.0	0.31	0.00	1.60		
6193.0	11.75	N16.00W	2693.8	517.9	999.2	N 3.78E	396212.0	1796092.9	0.41	0.32	1.28		
6382.0	12.00	N14.00W	2878.7	547.7	1036.1	N 3.09E	396249.6	1796082.7	0.25	0.13	1.06		
6568.0	12.75	N13.00W	3060.4	577.6	1074.4	N 2.48E	396288.4	1796073.5	0.42	0.40	0.54		
6755.0	13.00	N13.00W	3242.7	608.5	1114.6	N 1.91E	396329.0	1796064.1	0.13	0.13	0.00		
6942.0	13.75	N10.00W	3424.6	639.9	1156.7	N 1.41E	396371.3	1796055.5	0.55	0.40	1.60		

DRD INC.
Survey Report

Problem:
Description:
Location:
Well Number:

Y-1RD2

Date: 01/13/1994

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SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)
PLANNED AZIMUTH N55.00W

MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft
7161.0	15.00	N11.00W	3636.8	678.7	1209.9	N 0.88E	396424.8	1796045.6	0.58	0.57	-0.46
7421.0	16.50	N10.00W	3887.0	729.0	1279.2	N 0.26E	396494.2	1796032.7	0.59	0.58	0.38
7541.0	13.50	N11.00W	4002.9	751.2	1309.7	N 0.00E	396524.7	1796027.1	2.51	-2.50	-0.83
7696.0	15.00	N 7.00W	4153.1	777.7	1347.4	N 0.25W	396562.4	1796021.1	1.16	0.97	2.58
7821.0	15.75	N10.00W	4273.7	800.5	1380.2	N 0.45W	396595.2	1796016.2	0.87	0.60	-2.40
7974.0	15.25	N12.00W	4421.1	829.9	1420.4	N 0.75W	396635.3	1796008.4	0.48	-0.33	-1.31
8126.0	16.00	N11.00W	4567.5	859.6	1460.7	N 1.05W	396675.4	1796000.2	0.52	0.49	0.66
8279.0	17.00	N11.00W	4714.2	890.8	1503.5	N 1.34W	396718.1	1795992.0	0.65	0.65	0.00
8432.0	17.75	N10.00W	4860.2	923.4	1548.6	N 1.60W	396763.0	1795983.6	0.53	0.49	0.65
8556.0	18.00	N 9.00W	4978.2	950.1	1586.3	N 1.79W	396800.6	1795977.4	0.32	0.20	0.81
8707.0	18.75	N 9.00W	5121.5	983.2	1633.6	N 2.00W	396847.6	1795969.9	0.50	0.50	0.00
8860.0	17.75	N 6.00W	5266.8	1015.5	1681.3	N 2.16W	396895.1	1795963.6	0.90	-0.65	1.96
9010.0	17.50	N 5.00W	5409.8	1045.0	1726.6	N 2.25W	396940.3	1795959.2	0.26	-0.17	0.67
9162.0	18.00	N 3.00W	5554.5	1074.2	1772.9	N 2.29W	396986.5	1795956.1	0.52	0.33	1.32
9301.0	18.25	N 4.00W	5686.6	1101.1	1816.1	N 2.32W	397029.7	1795953.4	0.29	0.18	-0.72
9514.0	17.75	N 3.00W	5889.2	1142.1	1882.0	N 2.36W	397095.3	1795949.4	0.28	-0.23	0.47
9666.0	17.00	N 3.00W	6034.3	1170.0	1927.3	N 2.38W	397140.7	1795947.0	0.49	-0.49	0.00
9758.0	17.00	N 1.00W	6122.2	1186.2	1954.2	N 2.37W	397167.6	1795946.1	0.64	0.00	2.17
9905.0	16.25	N 3.00W	6263.1	1211.5	1996.3	N 2.36W	397209.6	1795944.6	0.64	-0.51	-1.36
10051.0	15.50	N 2.00E	6403.5	1234.7	2036.2	N 2.33W	397249.5	1795944.2	1.07	-0.51	3.42
10219.0	15.50	N 2.00E	6565.4	1259.2	2081.0	N 2.24W	397294.4	1795945.9	0.00	0.00	0.00

POINTS OF INTEREST

DESCRIPTION	MD	INCL	DIREC	TVD	+N / -S	+E / -W	CLOS DIST
	ft	deg	quad	ft	ft	ft	ft
FELSITE	8610.0	18.27	N 9.00W	5029.5	396817.2	1795974.7	1603.0

DRD INC.
Survey Report

Problem: Y-1RD2
Description:
Location:
Well Number:

Date: 01/13/1994

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Surface Location

Slot
N+/-S 0.0 ft
E+/-W 0.0 ft
Latitude 0.000000 deg N
Longitude 0.000000 deg E

LAMBERT X 1796027.0 ft
LAMBERT Y 395215.0 ft
FSL 0.0 ft
FEL 0.0 ft

Location ONSHORE
RKB Wellhead 0.0 ft
RKB MGL 0.0 ft
RKB MSL 0.0 ft
Water Depth 0.0 ft
RKB Mudline 0.0 ft

SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)

PLANNED AZIMUTH		N49.00E											
HD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK		
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft		
0.0	0.00	N 0.00E	-3360.0	0.0	0.0	N 0.00E	395215.0	1796027.0	0.00	0.00	0.00		
497.0	5.25	N 1.00W	-2863.7	14.8	22.8	N 0.50W	395237.7	1796026.7	1.06	1.06	-0.20		
645.0	5.00	N 0.00E	-2716.3	23.4	36.0	N 0.50W	395251.0	1796026.6	0.18	-0.17	0.68		
801.0	5.25	N 0.00E	-2560.9	32.5	49.9	N 0.36W	395264.9	1796026.6	0.16	0.16	0.00		
958.0	5.25	N 2.00E	-2404.6	42.1	64.3	N 0.06W	395279.3	1796026.9	0.12	0.00	1.27		
1153.0	5.25	N 3.00W	-2210.4	53.7	82.1	N 0.15W	395297.1	1796026.7	0.23	0.00	-2.56		
1250.0	5.25	N10.00E	-2113.8	59.9	90.9	N 0.20E	395305.9	1796027.4	1.22	0.00	13.40		
1282.0	5.00	N24.00E	-2081.9	62.3	93.7	N 0.71E	395308.7	1796028.1	3.97	-0.78	43.75		
1313.0	5.00	N36.00E	-2051.0	64.9	96.0	N 1.49E	395311.0	1796029.5	3.37	0.00	38.71		
1344.0	5.25	N41.00E	-2020.2	67.6	98.3	N 2.47E	395313.2	1796031.2	1.65	0.81	16.13		
1450.0	7.50	N45.00E	-1914.8	79.3	107.5	N 6.55E	395321.8	1796039.2	2.16	2.12	3.77		
1543.0	10.25	N46.00E	-1822.9	93.6	119.0	N10.89E	395331.8	1796049.5	2.96	2.96	1.08		
1637.0	13.00	N45.00E	-1730.9	112.5	135.0	N15.46E	395345.1	1796063.0	2.93	2.93	-1.06		
1700.0	14.00	N44.00E	-1669.6	127.2	148.0	N18.23E	395355.6	1796073.2	1.63	1.59	-1.59		
1794.0	16.00	N44.00E	-1578.8	151.4	170.3	N21.79E	395373.1	1796090.2	2.13	2.13	0.00		
1887.0	17.75	N42.00E	-1489.8	178.3	195.7	N24.65E	395392.8	1796108.6	1.98	1.88	-2.15		
1989.0	21.00	N42.00E	-1393.6	211.9	228.2	N27.18E	395418.0	1796131.2	3.19	3.19	0.00		
2117.0	22.00	N40.00E	-1274.5	258.3	274.0	N29.53E	395453.4	1796162.0	0.97	0.78	-1.56		
2188.0	22.50	N44.00E	-1208.8	285.0	300.3	N30.64E	395473.4	1796180.0	2.25	0.70	5.63		
2296.0	22.25	N51.00E	-1109.0	326.1	339.8	N32.65E	395501.1	1796210.2	2.48	-0.23	6.48		
2420.0	22.00	N50.00E	-994.1	372.7	384.5	N34.78E	395530.8	1796246.4	0.36	-0.20	-0.81		
2520.0	21.50	N46.00E	-901.2	409.8	420.7	N35.93E	395555.6	1796273.9	1.56	-0.50	-4.00		
2561.0	19.75	N40.00E	-862.8	424.1	435.0	N36.17E	395566.2	1796283.7	6.69	-4.27	-14.63		
2631.0	18.00	N32.00E	-796.6	446.2	457.6	N36.16E	395584.5	1796297.0	4.46	-2.50	-11.43		
2745.0	15.00	N24.00E	-687.3	476.4	489.7	N35.62E	395613.0	1796312.2	3.30	-2.63	-7.02		
2776.0	15.00	N20.00E	-657.4	483.5	497.5	N35.40E	395620.5	1796315.2	3.34	0.00	-12.90		
2807.0	15.00	N16.00E	-627.4	490.4	505.1	N35.13E	395628.1	1796317.6	3.34	0.00	-12.90		
2880.0	15.00	N 7.00E	-556.9	505.4	522.5	N34.30E	395646.6	1796321.5	3.19	0.00	-12.33		
3005.0	14.75	N12.00E	-436.1	530.1	551.8	N32.90E	395678.2	1796326.7	1.05	-0.20	4.00		
3150.0	14.00	N13.00E	-295.6	559.1	585.6	N31.68E	395713.4	1796334.5	0.54	-0.52	0.69		
3224.0	13.50	N 6.00E	-223.8	572.6	601.9	N31.05E	395730.7	1796337.4	2.35	-0.68	-9.46		
3334.0	13.00	N 1.00W	-116.7	590.0	624.2	N29.94E	395755.9	1796338.5	1.53	-0.45	-6.36		
3396.0	13.00	N11.00W	-56.3	598.0	635.5	N29.20E	395769.7	1796337.1	3.62	0.00	-16.13		
3490.0	11.50	N24.00W	35.6	605.9	649.3	N27.92E	395788.7	1796331.1	3.33	-1.60	-13.83		
3566.0	11.00	N32.00W	110.1	609.2	657.8	N26.86E	395801.8	1796324.1	2.15	-0.66	-10.53		
3692.0	11.00	N32.00W	233.8	613.0	670.5	N25.10E	395822.2	1796311.4	0.00	0.00	0.00		
3787.0	10.50	N33.00W	327.1	615.6	680.2	N23.84E	395837.2	1796301.9	0.56	-0.53	-1.05		
3912.0	9.75	N37.00W	450.2	617.9	691.8	N22.28E	395855.1	1796289.2	0.82	-0.60	-3.20		
4035.0	9.50	N39.00W	571.5	619.0	702.2	N20.82E	395871.3	1796276.6	0.34	-0.20	-1.63		
4158.0	9.75	N39.00W	692.7	619.7	712.8	N19.39E	395887.3	1796263.6	0.20	0.20	0.00		
4282.0	9.75	N36.00W	814.9	621.0	724.4	N18.00E	395904.0	1796250.9	0.41	0.00	2.42		
4535.0	10.00	N37.00W	1064.2	624.4	750.5	N15.30E	395938.9	1796225.1	0.12	0.10	-0.40		
4723.0	10.00	N35.00W	1249.3	627.2	771.3	N13.41E	395965.3	1796205.9	0.18	0.00	1.06		
4910.0	10.00	N33.00W	1433.5	631.2	793.6	N11.69E	395992.2	1796187.7	0.19	0.00	1.07		
5099.0	10.00	N28.00W	1619.6	637.2	818.2	N10.14E	396020.5	1796171.1	0.46	0.00	2.65		
5287.0	10.50	N26.00W	1804.6	645.3	845.2	N 8.77E	396050.3	1796155.9	0.33	0.27	1.06		
5475.0	11.00	N23.00W	1989.3	655.2	874.7	N 7.51E	396082.2	1796141.4	0.40	0.27	1.60		
5662.0	10.75	N23.00W	2173.0	666.1	905.3	N 6.38E	396114.7	1796127.6	0.13	-0.13	0.00		
5849.0	11.25	N21.00W	2356.5	677.7	936.8	N 5.34E	396147.7	1796114.2	0.34	0.27	1.07		
6037.0	11.25	N18.00W	2540.9	691.2	970.2	N 4.43E	396182.3	1796102.0	0.31	0.00	1.60		
6193.0	11.75	N16.00W	2693.8	703.8	999.2	N 3.78E	396212.0	1796092.9	0.41	0.32	1.28		
6382.0	12.00	N14.00W	2878.7	720.9	1036.1	N 3.09E	396249.6	1796082.7	0.25	0.13	1.06		
6568.0	12.75	N13.00W	3060.4	739.3	1074.4	N 2.48E	396288.4	1796073.5	0.42	0.40	0.54		
6755.0	13.00	N13.00W	3242.7	758.8	1114.6	N 1.91E	396329.0	1796064.1	0.13	0.13	0.00		
6942.0	13.75	N10.00W	3424.6	780.1	1156.7	N 1.41E	396371.3	1796055.5	0.55	0.40	1.60		

DRD INC.
Survey Report

Problem:
Description:
Location:
Well Number:

Y-1RD2

Date: 01/13/1994

Time: 09:55

Page: 2

SURVEY (REFERENCED TO UTM-LAMBERT COORDINATES)
PLANNED AZIMUTH N49.00E

MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft
7161.0	15.00	N11.00W	3636.8	807.7	1209.9	N 0.88E	396424.8	1796045.6	0.58	0.57	-0.46
7421.0	16.50	N10.00W	3887.0	843.6	1279.2	N 0.26E	396494.2	1796032.7	0.59	0.58	0.38
7541.0	13.50	N11.00W	4002.9	859.3	1309.7	N 0.00E	396524.7	1796027.1	2.51	-2.50	-0.83
7696.0	15.00	N 7.00W	4153.1	879.5	1347.4	N 0.25W	396562.4	1796021.1	1.16	0.97	2.58
7821.0	15.75	N10.00W	4273.7	897.3	1380.2	N 0.45W	396595.2	1796016.2	0.87	0.60	-2.40
7974.0	15.25	N12.00W	4421.1	917.8	1420.4	N 0.75W	396635.3	1796008.4	0.48	-0.33	-1.31
8126.0	16.00	N11.00W	4567.5	937.9	1460.7	N 1.05W	396675.4	1796000.2	0.52	0.49	0.66
8279.0	17.00	N11.00W	4714.2	959.7	1503.5	N 1.34W	396718.1	1795992.0	0.65	0.65	0.00
8432.0	17.75	N10.00W	4860.2	982.9	1548.6	N 1.60W	396763.0	1795983.6	0.53	0.49	0.65
8556.0	18.00	N 9.00W	4978.2	1002.7	1586.3	N 1.79W	396800.6	1795977.4	0.32	0.20	0.81
8707.0	18.75	N 9.00W	5121.5	1028.0	1633.6	N 2.00W	396847.6	1795969.9	0.50	0.50	0.00
8860.0	17.75	N 6.00W	5266.8	1054.4	1681.3	N 2.16W	396895.1	1795963.6	0.90	-0.65	1.96
9010.0	17.50	N 5.00W	5409.8	1080.8	1726.6	N 2.25W	396940.3	1795959.2	0.26	-0.17	0.67
9162.0	18.00	N 3.00W	5554.5	1108.7	1772.9	N 2.29W	396986.5	1795956.1	0.52	0.33	1.32
9301.0	18.25	N 4.00W	5686.6	1135.0	1816.1	N 2.32W	397029.7	1795953.4	0.29	0.18	-0.72
9514.0	17.75	N 3.00W	5889.2	1175.1	1882.0	N 2.36W	397095.3	1795949.4	0.28	-0.23	0.47
9666.0	17.00	N 3.00W	6034.3	1203.0	1927.3	N 2.38W	397140.7	1795947.0	0.49	-0.49	0.00
9758.0	17.00	N 1.00W	6122.2	1219.9	1954.2	N 2.37W	397167.6	1795946.1	0.64	0.00	2.17
9905.0	16.25	N 3.00W	6263.1	1246.4	1996.3	N 2.36W	397209.6	1795944.6	0.64	-0.51	-1.36
10051.0	15.50	N 2.00E	6403.5	1272.3	2036.2	N 2.33W	397249.5	1795944.2	1.07	-0.51	3.42
10219.0	15.50	N 2.00E	6565.4	1302.9	2081.0	N 2.24W	397294.4	1795945.9	0.00	0.00	0.00

POINTS OF INTEREST

DESCRIPTION	MD	INCL	DIREC	TVD	+N / -S	+E / -W	CLOS DIST
	ft	deg	quad	ft	ft	ft	ft
FELSITE	8610.0	18.27	N 9.00W	5029.5	396817.2	1795974.7	1603.0