

Schlumberger
DIRECTIONAL LOG
COMPILED

WHIRLWIND VALLEY
CHEVRON-ATR-GINN #1-13
CHEVRON OIL CO.

COMPANY: CHEVRON OIL COMPANY
WELL: CHEVRON-ATR-GINN NO. 1-13
FIELD: WHIRLWIND VALLEY AREA
COUNTY: LANDER STATE: NEVADA
LOCATION: CENTER OF THE SE-1/4 OF SE-1/4 OF

Sec. 13 Twp. 31N Rge. 47E

Permit No. 5-22-74
Log Measured from KB
Drilling Measured from KB

Elev. 4946.9
Elev. K.R. 4960.4
DF CL 4946.9

Depth-Logger 8492
Borehole Interval 840

Depth-Logger 8492
Borehole Interval 840

Depth Interval 1001

Coring Driller 13-S/26812
Coring Driller 13-S/26812

Bit Size 12-1/4
Type Fluid (If Hole) F.G.M.

Temp. 66
Yield 90
PH 9.5
Fluid Loss 9.1
Sources of Sample 1.55 @ 82 F.
Time @ BHT 53 @ 862 F.
Time Spent Circ. 14 HRS.
Time Spent Tripping 7:53
Time Spent Logging 1:00
Time Spent Coring 0:00
Time Spent Cementing 0:00
Time Spent Other 0:00
Time Spent Total 14:07
Time Spent Logging 1:00
Time Spent Coring 0:00
Time Spent Cementing 0:00
Time Spent Other 0:00
Time Spent Total 14:07

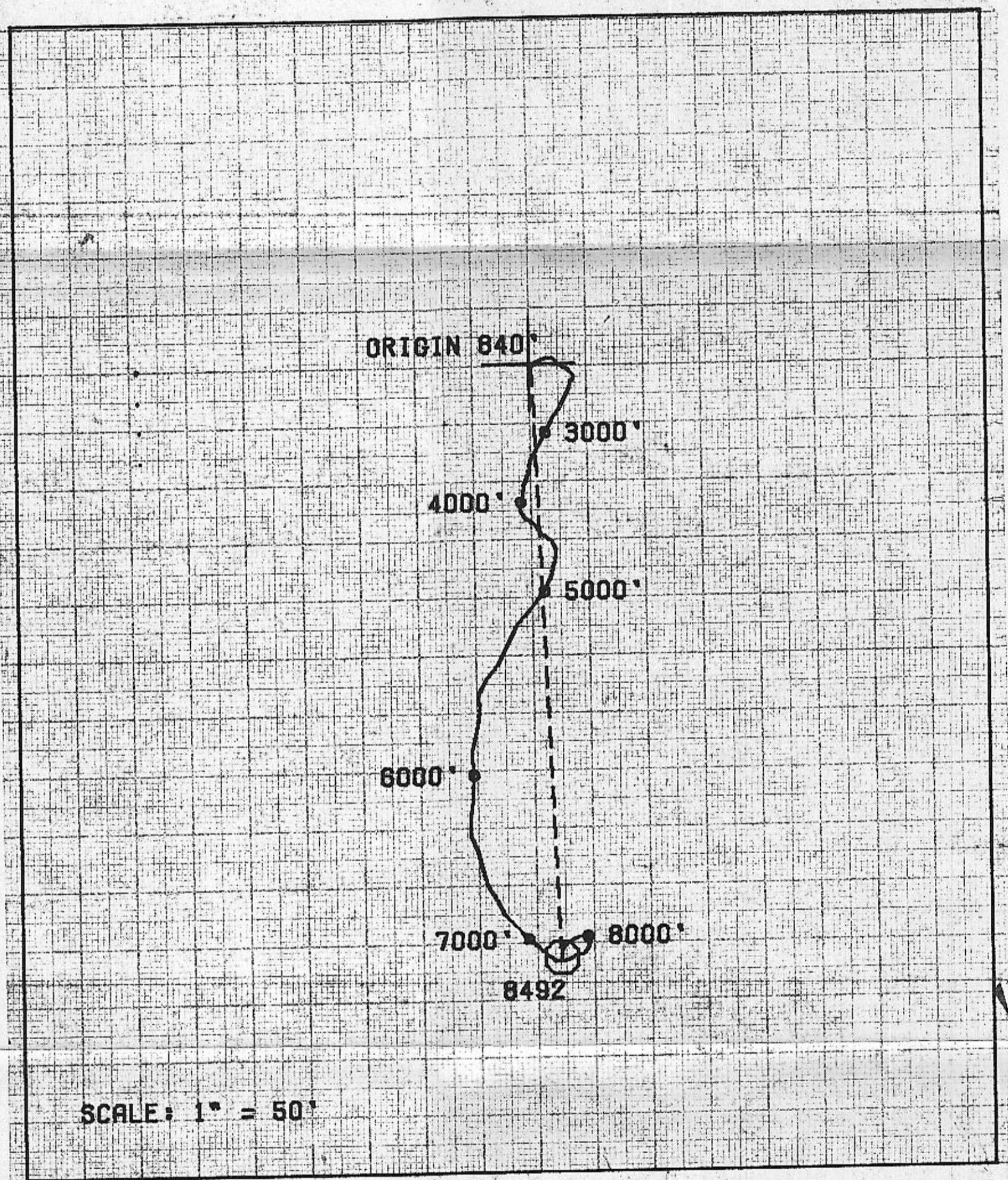
MAGNETIC DECLINATION = 17 EAST
N-S COORDINATES - NORTH IS PLUS AND SOUTH IS MINUS
E-W COORDINATES - EAST IS PLUS AND WEST IS MINUS

DEPTH	HOLE DEV. °	AZM	HORIZ DRIFT	VERT. DEPTH	N-S DEV	E-W DEV	SUM N-S	SUM E-W
840				840				
900	1.8	92	1.9	900	-1.1	1.9	-1.1	1.9
1000	-1.8	65	3.1	999.9	1.3	2.8	1.3	4.7
1100	1.6	67	2.8	1099.9	1.1	2.6	2.4	7.3
1200	1.2	82	2.1	1199.9	.3	2.1	2.6	9.4
1300	.8	127	1.4	1299.9	-1.8	1.1	1.8	10.5
1400	.8	130	1.4	1399.8	-1.9	1.1	.9	11.6
1500	.9	132	1.6	1499.8	-1.1	1.2	-1.1	12.7
1600	1	122	1.7	1599.8	-1.9	1.5	-1.1	14.2
1700	1	127	1.7	1699.8	-1.1	1.4	-2.1	15.6
1800	.9	112	1.6	1799.8	-1.6	1.5	-2.7	17.1
1900	1	137	1.7	1899.8	-1.3	1.2	-4	18.2
2000	1.1	139	1.9	1999.8	-1.4	1.3	-5.4	19.5
2100	.9	187	1.6	2099.7	-1.6	-1.2	-7	19.3
2200	.7	242	1.2	2199.7	-1.1	-1.1	-7.6	18.2
2300	.8	192	1.4	2299.7	-1.4	-1.3	-8.9	17.9
2400	1	198	1.7	2399.7	-1.7	-1.5	-10.6	17.4
2500	1.1	201	1.9	2499.7	-1.8	-1.7	-12.4	16.7
2600	2	210	3.5	2599.6	-3	-1.7	-15.4	15
2700	2.8	204	4.9	2699.5	-4.5	-2	-19.9	13
2800	2.7	219	4.7	2799.4	-3.7	-3	-23.5	10
2900	2.1	208	3.7	2899.3	-3.2	-1.7	-26.8	8.3
3000	2.1	207	3.7	2999.3	-3.3	-1.7	-30	6.6
3100	2.1	207	3.7	3099.2	-3.3	-1.7	-33.3	5
3200	2.1	209	3.7	3199.1	-3.2	-1.8	-36.5	3.2
3300	2	212	3.5	3299.1	-3	-1.8	-39.5	1.3
3400	1.7	212	3	3399	-2.5	-1.6	-42	-2
3500	1.7	182	3	3499	-3	-1	-44.9	-3
3600	1.6	197	2.8	3598.9	-2.7	-1.8	-47.6	-1.1
3700	1.6	197	2.8	3698.9	-2.7	-1.8	-50.3	-2
3800	1.7	202	3	3798.9	-2.8	-1.1	-53	-3.1
3900	1.9	187	3.3	3898.8	-3.3	-1.4	-56.3	-3.5
4000	2	192	3.5	3998.7	-3.4	-1.7	-59.7	-4.2
4100	2.1	188	3.7	4098.7	-3.6	-1.5	-63.4	-4.7
4200	2.2	147	3.8	4198.6	-3.2	2.1	-66.6	-2.6
4300	2.8	127	4.9	4298.5	-2.9	3.9	-69.5	1.3
4400	3.1	137	5.4	4398.3	-4	3.7	-73.5	5
4500	3	127	5.2	4498.2	-3.1	4.2	-76.6	9.1
4600	2.2	147	3.8	4598.1	-3.2	2.1	-79.8	11.2
4700	1.7	187	3	4698.1	-2.9	-1.4	-82.8	10.9
4800	2.3	192	4	4798	-3.9	-1.8	-86.7	10
4900	3.2	197	5.6	4897.8	-5.3	-1.6	-92.1	8.4
5000	3.8	205	6.6	4997.6	-6	-2.8	-98.1	5.6
5100	4.4	217	7.7	5097.3	-6.1	-4.6	-104.2	1
5200	6.8	222	11.8	5196.6	-8.8	-7.9	-113	-6.9
5300	6.7	205	10.5	5296.1	-9.5	-4.4	-122.5	-11.3
5400	5	209	8.7	5395.7	-7.6	-4.2	-130.1	-15.6
5500	4	222	7	5495.5	-5.2	-4.7	-135.3	-20.2
5600	4.7	207	6.2	5595.1	-7.3	-3.7	-142.6	-24
5700	4.4	177	7.7	5694.8	-7.7	1.4	-150.2	-28.6
5800	4.5	191	7.8	5794.5	-7.7	-1.5	-157.9	-25.1
5900	5.2	192	9.1	5894.1	-8.9	-1.9	-166.8	-26.9
6000	6	177	10.5	5993.6	-10.4	.5	-177.2	-26.4
6100	5.8	184	10.1	6093	-10.1	-1.7	-187.3	-27.1
6200	5.1	187	8.9	6192.6	-8.8	-1.1	-196.1	-28.2
6300	4.3	177	7.5	6292.4	-7.5	1.4	-203.6	-27.8
6400	4.3	157	7.5	6392.1	-6.9	2.9	-210.5	-24.9
6500	4.3	167	7.5	6491.8	-7.3	1.7	-217.8	-23.2
6600	4.3	162	7.5	6591.5	-7.1	2.3	-225	-20.9
6700	4.3	147	7.5	6691.2	-6.3	4.1	-231.3	-16.8
6800	4.3	152	7.5	6791	-6.6	3.5	-237.9	-13.3
6900	4.3	137	7.5	6890.7	-5.5	5.1	-243.4	-8.1
7000	4	137	7	6990.4	-5.1	4.8	-248.5	-3.4
7100	3.3	127	5.8	7090.3	-3.5	4.6	-251.9	1.2
7200	2.9	135	5.1	7190.1	-3.6	3.6	-255.5	4.8
7300	2.6	127	4.5	7290	-2.7	3.6	-258.2	8.4
7400	2	87	3.5	7390	.2	3.5	-258	11.9
7500	1.8	67	3.1	7489.9	1.2	2.9	-256.8	14.8
7600	2	62	3.5	7589.9	1.6	3.1	-255.2	17.9
7700	1.6	82	2.8	7689.8	.4	2.8	-254.8	20.6
7800	1.7	42	3	7789.8	2.2	2	-252.6	22.6
7900	1.9	17	3.3	7889.7	3.2	1	-249.4	23.6
8000	1.4	337	2.4	7989.7	2.2	-1	-247.2	22.6
8100	2.1	267	3.7	8089.6	-1.2	-3.7	-247.4	19
8200	2.5	242	4.4	8189.5	-2	-3.9	-249.4	15.1
8300	2.2	237	3.8	8289.5	-2.1	-3.2	-251.5	11.9
8400	1.5	197	2.6	8389.4	-2.5	-1.8	-254	11.1
8492	1.5	187	2.4	8481.4	-2.4	-1.3	-256.4	10.9

BOTTOM OF HOLE LOCATED 256.6 FEET AT 177.6 DEG AZM FROM ORIG
OR 256.4 FEET S AND 10.9 FEET E OF ORIGIN
ORIGIN IS 840 FT.

NO. COMPUTED LEVELS = 77

ANY DIRECTIONAL COMPUTATIONS MADE FROM THE DIRMETER LOG MUST BE
REGARDED AS APPROXIMATED ONLY. THIS IS BECAUSE THE DIRMETER LOG
INDICATES THE ORIENTATION OF THE INSTRUMENT ITSELF, RATHER THAN
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RESULT FROM ANY SUCH COMPUTATIONS.



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SD-1026-D