GL 04463_5

Schlumberger

DIRECTIONAL LOG

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, SE-1/4 OF

Sec. 13 Twp. 31N Rge. 47E

Other Services:

Permanent Datum: GL Elev.: 4946.9

Log Measured From: KB 13.5 Ft. Above Perm. Datum

Drilling Measured From: KB

Elev.: K.B. 4960.4 D.F. ---- G.L. 4946.9

Date	5-22-74				
Run No.	ONE				
Depth—Driller	8500				
Depth—Logger	8493				
Btm. Log Interval	8492				
Top Log Interval	840				
Depth intervals between shots	100'				
Casing—Driller	13-3/8@812	@			
Casing—Logger	----				
Bit Size	12-1/4				
Type Fluid in Hole	F.W.G.M.				
	FULL				
Dens. / Visc.	66 / 60				
pH / Fluid Loss	8.5 / -- ml	ml	ml	ml	ml
Source of Sample	PIT				
Rm @ Meas. Temp.	1.55 @ 82 °F	@ °F	@ °F	@ °F	@ °F
Rm @ BHT	.53 @ 262 °F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	14 HRS.				
Max. Rec. Temp.	262 °F		°F	°F	°F
Equip. / Location	7883 / VERNAL				
Recorded by	KNIGAARD-EMYEART				
Witnessed By	LANE-DOLLER				

The well name, location and borehole relevant data were furnished by the customer.

Reproduced By

Electrical Log Services

MIDLAND, Texas 79701

REFERENCE K 2637S

3 COMPLETION RECORD

MADE FROM BEST COPY AVAILABLE

SPUD DATE

COMP DATE

DST RECORD

API NO.

CASING RECORD

PERFORATING RECORD

ACID, FRAC SHOT

IP

GOR GR

TP CP

REMARKS:

REPRODUCTION FOR RESALE PROHIBITED

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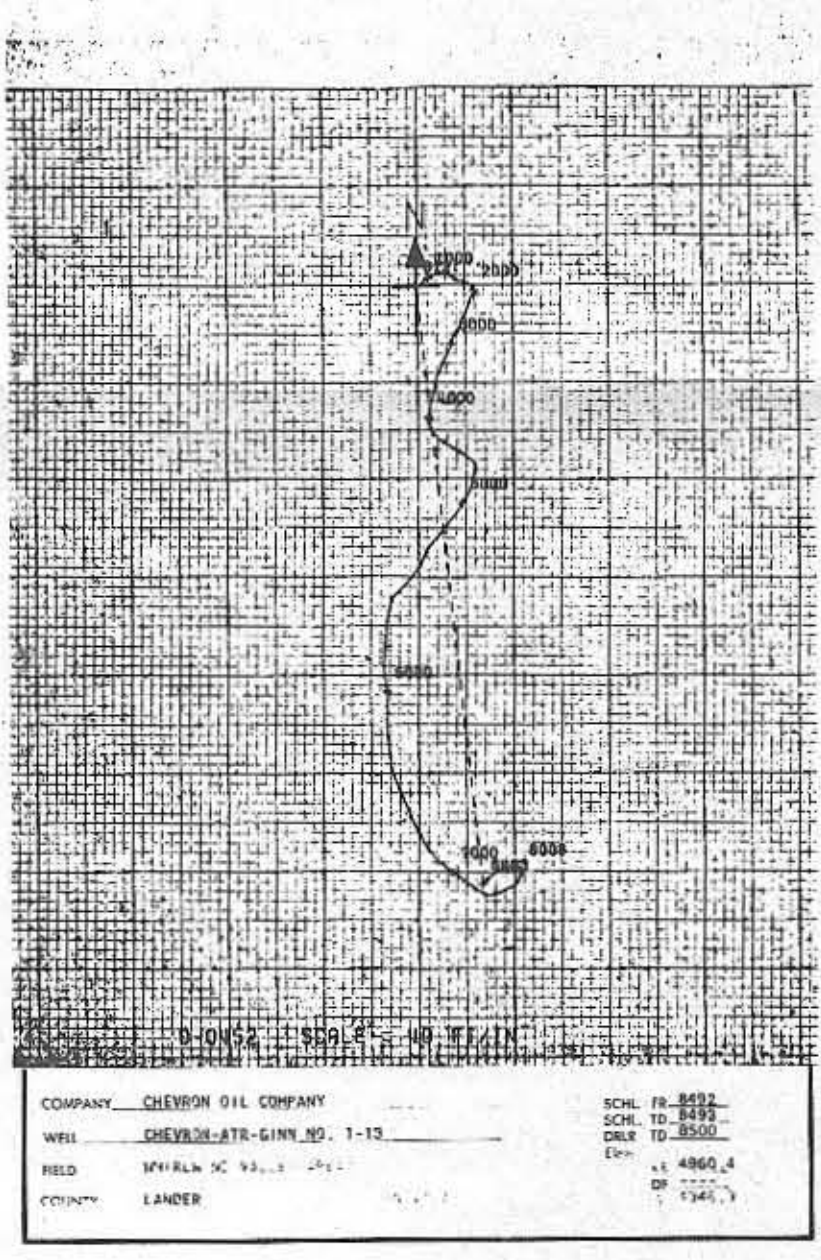


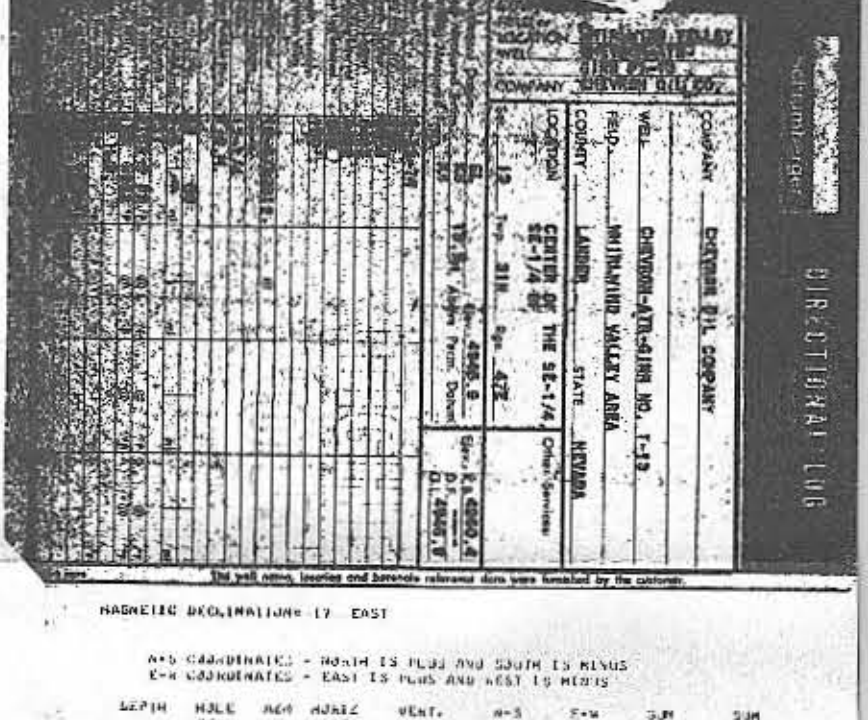
COMPANY CHEVRON OIL COMPANY

WELL CHEVRON-ATR-GINN NO. 1-13

FIELD WHIRLWIND VALLEY AREA

COUNTY LANDER

SCHL. TD 8492
SCHL. TD 8493
DRLR TD 8500
Elev.
K.B. 4960.4
D.F. ----
G.L. 4946.9



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	HOLE AZIMUTH	VERT. DEPTH	N-S DEV	E-W DEV	SUM N-S	SUM E-W
840				840				
900	1.8	92	1.9	900	-.1	1.9	-.1	1.9
1000	1.8	93	3.1	999.9	1.3	2.8	1.2	4.7
1100	1.6	87	2.8	1099.9	1.1	2.5	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	-.8	1.1	1.8	10.5
1400	.8	130	1.4	1399.8	-.9	1.1	.9	11.6
1500	.9	132	1.6	1499.8	-1.1	1.2	-.1	12.7
1600	1	122	1.7	1599.8	-1.1	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	167	1.6	2099.7	-1.6	-.2	-7	19.3
2200	.7	248	1.2	2199.7	-.6	-1.1	-7.6	18.2
2300	.6	192	1.4	2299.7	-1.4	-.3	-8.9	17.9
2400	1	196	1.7	2399.7	-1.7	-.5	-10.6	17.4
2500	1.1	201	1.9	2499.7	-1.8	-.7	-12.4	16.7
2600	2	210	3.5	2599.6	-3	-1.7	-15.4	15
2700	2.6	204	4.9	2699.5	-4.3	-2	-19.7	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	-1.1	-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	-.8	-47.6	-1.1
3700	1.6	197	2.8	3698.9	-2.7	-.9	-50.3	-2
3800	1.7	198	3	3798.9	-2.8	-1.1	-53	-3.1
3900	1.9	187	3.3	3898.8	-3.3	-.4	-56.3	-3.5
4000	2	192	3.5	3998.7	-3.4	-.7	-59.7	-4.2
4100	2.1	189	3.7	4098.7	-3.6	-.5	-63.4	-4.7
4200	2.2	187	3.8	4198.6	-3.8	-.1	-67.2	-4.8
4300	2.6	187	4.4	4298.5	-4.5	-.9	-71.7	-5.7
4400	3.1	187	5.4	4398.3	-5.4	-1.2	-77.1	-6.9
4500	3	187	5.2	4498.2	-5.1	-1.1	-82.2	-8
4600	2.8	187	4.8	4598.1	-4.9	-1	-87.1	-9
4700	1.7	187	3	4698.1	-2.9	-.4	-90.8	-9.4
4800	2.3	192	4	4798	-3.9	-.8	-94.7	-10.2
4900	3.2	197	5.6	4897.9	-5.3	-1.6	-100	-11.8
5000	3.3	205	5.6	4997.8	-5	-2.1	-105	-13.9
5100	4.4	217	7.7	5097.6	-6.1	-3.6	-111.1	-17.5
5200	6.8	222	11.8	5196.6	-8.4	-5.9	-119.5	-23.4
5300	6	205	10.5	5296.1	-9.5	-4.4	-129	-27.8
5400	5	209	8.7	5395.7	-7.6	-4.2	-136.6	-32
5500	4	205	7	5495.5	-6.2	-3.1	-142.8	-35.1
5600	4.1	207	7.2	5595.3	-7.3	-3.7	-150.2	-38.8
5700	4.4	211	7.7	5695.0	-7.7	-4	-157.9	-42.8
5800	4.3	211	7.6	5794.8	-7.7	-3.9	-165.6	-46.7
5900	5.2	212	9.1	5894.6	-9.2	-4.9	-174.8	-51.6
6000	6	211	10.5	5994.3	-10.4	-5	-185.2	-56.6
6100	5.6	214	10.1	6093	-10.1	-4.7	-195.3	-61.3
6200	5.1	217	8.9	6192.8	-8.8	-4.1	-204.1	-65.4
6300	4.3	217	7.5	6292.4	-7.4	-3.4	-211.5	-68.8
6400	4.3	217	7.5	6392.1	-7.4	-3.4	-218.9	-72.2
6500	4.3	217	7.5	6491.8	-7.4	-3.4	-226.3	-75.6
6600	4.3	218	7.5	6591.5	-7.4	-3.4	-233.7	-79
6700	4.3	217	7.5	6691.2	-7.4	-3.4	-241.1	-82.4
6800	4.3	218	7.5	6791	-7.4	-3.4	-248.5	-85.8
6900	4.3	217	7.5	6890.7	-7.4	-3.4	-255.9	-89.2
7000	4	217	7	6990.4	-6.9	-3.2	-262.8	-92.4
7100	3.3	217	5.8	7090.2	-5.7	-2.6	-268.5	-95
7200	2.9	215	5.1	7190.1	-5.1	-2.3	-273.6	-97.3
7300	2.6	217	4.5	7290	-4.5	-2.1	-278.1	-99.4
7400	2	217	3.5	7390	-3.5	-1.6	-281.6	-101
7500	1.6	217	2.8	7489.9	-2.8	-1.3	-284.4	-102.3
7600	1.5	217	2.6	7589.9	-2.6	-1.2	-287	-103.5
7700	1.4	215	2.4	7689.8	-2.4	-1.1	-289.4	-104.6
7800	1.4	214	2.4	7789.8	-2.4	-1.1	-291.8	-105.7
7900	1.3	217	2.3	7889.7	-2.2	-1	-294	-106.7
8000	1.4	339	2.4	7989.7	-2.2	-.9	-296.2	-107.6
8100	2.1	267	3.7	8089.6	-2.8	-3.7	-299	-111.3
8200	2.5	242	4.4	8189.5	-2	-3.9	-301	-115.2
8300	2.2	227	3.8	8289.5	-1.6	-3.2	-302.6	-118.4
8400	1.5	197	2.6	8389.4	-1.2	-.8	-303.8	-119.2
8492	1.5	197	2.4	8481.4	-1.2	-.7	-305	-119.9

UNITS OF HOLE LOCATED 254.4 FEET AT 177.6 DEG AZM FROM BHG
@ N 256.4 FEET S AND 10.9 FEET E OF ORIGIN
BHG@ IS 840 FT.

NO. COMPUTED LEVELS = 77

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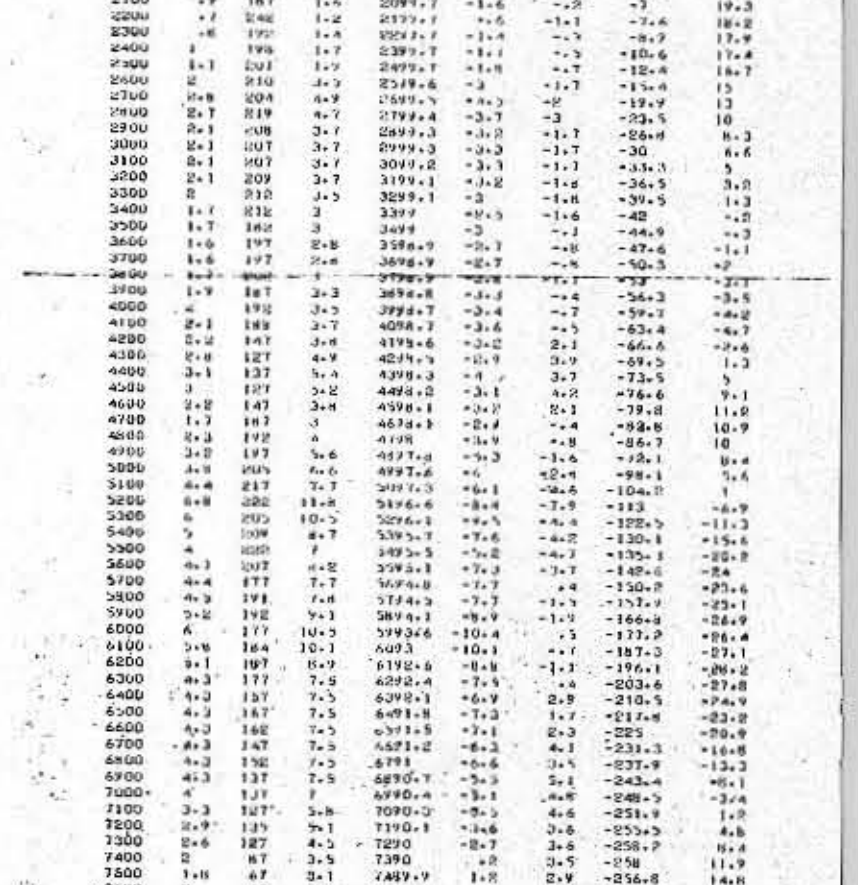

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