

WELL PENSON TIMBER 8-14
 COMPANY AMERICAN QUASAR PET. CO.
 AREA W1ST
 LOCATION 1045.58' E, 299.74' N
 SW 1/4 SEC. 8, T6N, R4W
 COUNTY, STATE COLUMBIA, OREGON

- W E G E -
WESTERN GEO-ENGINEERS
 "A SERVICE TO THE OIL AND GAS INDUSTRY"

LITHOLOGY SYMBOLS
 Sand, Clay, Silt, Silty Sand, Congl., Lignite, Vol., Intra. Str., Salt, Limest., Chert

REMARKS
 WELL ELEV. GL. 996.46'
 KB. 1006.86'
 SALINITY IN FILTRATE IN CC/30 MIN. FPM CL
 GAS TRAP AGITATOR TYPE LIGNOSULFONATE (BAROID)
 PAUL GRAHAM RIG #1
CASING
 7" TO 475'
 TO
 TO

MUD DATA
 W WEIGHT
 V VISCOSITY
 F FILTRATE
 FC FILTER CAKE
 SD SAND IN %

LEGEND
 S SALINITY
 R RESISTIVITY
 RF FILTRATE RESISTIVITY
BIT DATA
 NB NEW BIT
 RRB RERUN BIT

OTHER DATA
 CB CORE BIT
 WLCB WIRE LINE CB
 TRIP GAS
 CONNECTION GAS
 CARBIDE GAS

CR CIRCULATE RETURNS
NR NO RETURN
DST DRILL STEM TEST
DST DST INTERVAL
] CORE INTERVAL

DATE 11/23/81 to 11/26/81 DEPTH 34' to 2196' ENGINEERS BUTLER, CONVERSE, KING

DEPTH	LITHOLOGY	MUD ANALYSIS		CUTTING ANALYSIS	REMARKS
		TOTAL DITCH GAS	PET. VAP.		
34	CHROM=100% C1	50	100	50	SPUNDED W/ 7 7/8" BIT CONDUCTOR. MUD REL/WATER MAKE UP WATER 8.75 W 8.9 V 57
50	CHROM=100% C1	50	100	50	NOTE: DIRECTIONAL ANGLE & DIRECTION ARE REAL, 00000, ETC. AVERAGED. K.O.P. 100'
100	CHROM=100% C1	50	100	50	3940' N3E 2.01' N TVD 101' (0=11')
150	CHROM=100% C1	50	100	50	C=106u VIS 57 LAG 5 MIN 10 SPH 100cc DUR 1 MIN
200	CHROM=100% C1	50	100	50	3940' N3E 16.91' N TVD 312' (0=11')
250	CHROM=100% C1	50	100	50	LOST CIRC.
300	CHROM=100% C1	50	100	50	LOST CIRC.
350	CHROM=100% C1	50	100	50	BYPASS SHAKER CHECK W/ V HARD BOND RAYLITE BYPASS SHAKER
400	CHROM=100% C1	50	100	50	BYPASS SHAKER CHECK W/ V HARD BOND RAYLITE BYPASS SHAKER
450	CHROM=100% C1	50	100	50	BYPASS SHAKER CHECK W/ V HARD BOND RAYLITE BYPASS SHAKER
500	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
550	CHROM=100% C1	50	100	50	DRILL BIT SET SIDE W/ 5 1/2" BIT
600	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
650	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
700	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
750	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
800	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
850	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
900	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
950	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1000	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1050	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1100	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1150	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1200	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1250	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1300	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1350	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1400	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1450	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1500	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1550	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1600	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1650	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1700	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1750	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1800	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1850	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1900	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
1950	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
2000	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
2050	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
2100	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
2150	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
2200	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
2250	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
2300	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
2350	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')
2400	CHROM=100% C1	50	100	50	1600' N3E 21.01' N TVD 562' (0=11')