

COMPANY OREGON NATURAL GAS CORP. WESTERN GEO-ENGINEERS
 AREA Mist (north) "A SERVICE TO THE OIL AND GAS INDUSTRY"

LOCATION 1239'NE 267'NW fr/ SB crnr, sec 3; t6N; r5W; WB&M
 COUNTY, STATE Columbia County, OR

MUD DATA W WEIGHT V VISCOSITY F FILTRATE FC FILTER CAKE SD SAND IN %	S SALINITY R RESISTIVITY RF FILTRATE RESISTIVITY	LEGEND BIT DATA NB NEW BIT RRB REGRIND BIT	CB CORE BIT WCB WIRE LINE CB OTHER DATA TC TAP GAS CG CONNECTION GAS C CARBIDE GAS	CR CIRCULATE RETURNS NR NO RETURN DST DIST TEST DST INT DST INTERVAL CORE INTERVAL	REMARKS
					WELL ELEV. 61.1171, 73' KB. 1184.23' FILTRATE IN cc/30 MIN. SALINITY IN ppm Cl GAS TRAP agitator type MUD gel/H2O/LCM(BEAVER) TAYLOR DRING CO. RIG#4 CASING 8 5/8" JO 432'

DATE 12/1/86 to 12/12/86 DEPTH 00' to 3655' ENGINEERS J. Duvall M. McGrath

DEPTH	LITHOLOGY	OIL IN MUD OR CUTTINGS		MUD ANALYSIS		CUTTING ANALYSIS		REMARKS
		Trx	Fair	xxx	V/Gd	xxxx		
00								Dril surface w/ 12" bit. spu w/ gel/water mud.
100								w 8.7 v 41 mod slough
200								lc @ 214'
300								cont sl lc poh 2 stds; pump gel pill; add lcm
400								1 bit com in sample c @ 380'
500								set cong @ 432'; pump 2 top jobs; drl out w/ 7-7/8" bit.
600								lc @ 620'; 00 bbls poh to shoe; pump lcm
700								lc 740'; drl shd w/ part. rets.
800								set plug @ 635'; change bit jets to 12/12/13 set & polish four; sft/dropped plugs; install 15 jets; drl shd w/ part to full rets; bypass shkr to 915'.
900								c=3u 136 spm lag 6m 38 vis 100cc dur 2m
1000								0°30' cont. sl lc
1100								w 8.3 v 44 cont. loss of vol
1200								poh to bld vol cont loss vol occ slough
1300								6=45u 140 spm lag 9m 45 vis 100cc dur 4m
1400								w 8.7 v 45
1500								sl-mod slough
1600								w 8.7 v 44 f 7.8 fc 2/32 ph 11.0 sd 1/2 sol 8%
1700								cont. v sl lc w 8.5 v 46
1800								0=66u 42 vis lag 13m 140 spm 100cc dur 4m
1900								pack off; pump away 30-40 bbls; add lcm
2000								wipe hole; poh-unplug jet
2100								lc @ 1982'; 100bbls; poh to shoe; pump lcm slug bypass shkr, 1982'-2060'
2200								w 8.8 v 61 f 7.4 fc 3/32 ph 9.5 sd 1/2 sol 9%
2300								w 8.6 v 55
2400								0=71u 54 vis lag 14m 110 spm 100cc dur 4m
2500								bridge 2 stds ob
2600								cont sl vol loss 0=23u 45 vis lag 16m 120 spm 100cc dur 3m
2700								w 8.7 v 45 mod slough
2800								w 8.6 v 55 f 4.2 fc 2/32 ph 9.5 sd 1/2 sol 9%
2900								wipe hole
3000								cont. sl lc cont. mod slough
3100								w 8.4 v 48
3200								w 9.1 v 53 f 6.8 fc 2/32 ph 10.0 sd 1/2 sol 11%
3300								cont sl vol loss
3400								occ slough
3500								w 9.1 v 47
3600								run DRESSER/ATLAS 30-30'