

WELL COLUMBIA COUNTY 13-1
 (API#009-00084)
 COMPANY REICHHOLD ENERGY CORP.
 AREA MIST
 LOCATION 1399' N & 1252' E of SW CRN
 SEC 1; T6N; R5W WB&M
 COUNTY, STATE COLUMBIA, OREGON

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

LITHOLOGY SYMBOLS

REMARKS

WELL ELEV. GL. 1165.2'
 RB. 1179.6'
 SALINITY IN PPM CL-
 FILTRATE IN CC/30 MIN.
 GAS TRAP AGITATOR TYPE
 MUD LIGNOSULFONATE
 (BAROID)
 TAYLOR DRILLING CO. #5

CASING

7" TO 436'
 TO

DATE 8/4/81 to 8/11/81 DEPTH 35' to 3067' ENGINEERS THOMAS CONVERSE

DEPTH	SAMPLE LITHOLOGY	OIL IN MUD or CUTTINGS Trx Fair xx Good xxx V/Gd xxxx		REMARKS
		MUD ANALYSIS	CUTTING ANALYSIS	
00		PET. VAP. --- BLENDER . GAS	TOTAL GAS PET. VAP. ---	SPUDED w/ 9 7/8" BIT & CONDUCTOR. MUD GEL/WATER
100	SLTSTN, MED GRAY, FIRM. FINE, VFN, CL, LA, LL, GR, FIRM. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	w 8.6 (64) v 40 C=180u 40VIS LAG 2MIN 60SPM 100CC DUR 3MIN
200	CLAYSTN, MD GRAY, FRM. MED. SBLG, MIN. SBLG. SANDSTN STRGRS, CALCIC MD GR, VFN, CL, LA, LL, GR, FIRM. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	LOSS CIRC @ 180',
300	SAND, DK GRAY, VFN-FUN, QZ, SLT, MICR, CA, FOSIL SHELL FRAGS. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	SLIGHT LOSS OF RETURNS.
400	SLTSTN, MED GRAY GRN, V SDY, SOFT, VFN TO F, SBANG, HMA, AROUND SHELL FRAGS. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	LOST APPX 200BBLs, CIRC & MIX MUD.
500	SLTSTN, MED GRAY GRN, V SDY, SOFT, VFN TO F, SBANG, HMA, AROUND SHELL FRAGS. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	RUN CASING @ 455', SET @ 436', REDUCE HOLE TO 6".
600	CLAY/SLTSTN, MD GRAY, FRM. MED. SBLG, MIN. SBLG. SANDSTN STRGRS, CALCIC MD GR, VFN, CL, LA, LL, GR, FIRM. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	PACKED OFF AND LOST CIRC @ 481' & 513', REGAIN CIRC, BUILD MUD VOLUME.
700	SLTY CLAYSTONE, LY-MED, GRAY, FIRM, FRI. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	NOTE: CONTINUE LOSS OF DRG FLUID, ADD L.C.M., BYPASS WATER, NO SAMPLE RETURNS, LOW GAS READINGS, SAMPLE LITH INTERP. IN PART.
800	SLTSTN, GRAY GRN, FIRM. FRI. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	C=15u VIS 43 LAG 3MIN 60SPM 100CC DUR 1MIN
900	SLTY CLAYSTONE, LY-MED, GRAY, FIRM, FRI. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	RETURNS TO SHAKER w 8.4(64), v 35, s 45
1000	TUFF SS, TAN, FIRM, DK, BLUE GRAY, BLK, GRN, SAND, VFN, CL, LA, LL, GR, FIRM. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	C=71u VIS 39 LAG 3MIN 60SPM 100CC DUR 3MIN
1100	W/HG=19u SLTSTN, DK GRAY BRN, FIRM, FRI. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	WIPE HOLE w 8.6(64) v 37
1200	TUFF STRINGERS, TAN, MD, GRAY, FIRM, FRI. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	CONTINUE SLIGHT LOSS OF CIRC.
1300	SLTY CLAYSTONE AS ABOVE. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	C=115u VIS 33 LAG 7MIN 60SPM 100CC DUR 3MIN
1400	SLTSTN, MD-DK GRAY, SL, CALCIC, FRBL, SND, V, TR FNL LGN. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	w 8.4(63) v 33
1500	A/A W/OCC HRD CALCIC SS STRGRS, BLUE GRAY, SAND, VFN, CL, LA, LL, GR, FIRM. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	w 8.8 (70) v 37
1600	SAND, VFN, CL, LA, LL, GR, FIRM. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	w 8.7(65) v 33 PH 10 FC 2/32 S 50 SD TR
1700	SLTSTN, DK GRAY, FRM-FRM, FRBL, SBLG, VFN, CL, LA, LL, GR, FIRM. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	w 8.6(64) v 33
1800	SAND, MD GRAY, FN, SLT, CL, SBANG, QZ, MICR, CA, GUMR 50. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	w 8.6(65) v 37
1900	SAND, VFN, CL, LA, LL, GR, FIRM. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	w 8.7(66) v 46 F 10 FC 2/32 PH 10 S 50 SD TR
2000	CLAY, FN, MED GRAY, SOFT, TR MICR, LIG. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	CONTINUOUS PARTIAL LOSS OF FLUID
2100	SLTSTN/CLAY, DN-HD, FRBL, SBLG, VFN, CL, LA, LL, GR, FIRM. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	C=51u VIS 46 LAG 13MIN 56SPM 100CC DUR 4MIN
2200	SLTY CLAYSTONE AS ABOVE. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	w 8.5(63) v 37
2300	SLTY CLAYSTONE AS ABOVE. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	LITHOLOGY PARTLY INFERRED DUE TO LSF.
2400	SAND, VFN, CL, LA, LL, GR, FIRM. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	w 8.7(65) v 40
2500	TUFF, LY GRAY, LY BRN, FIRM, TR PYR. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	w 8.7(65) v 37 F 10 FC 2/32 PH 10 S 50 SA .75% SOL 2%
2600	SAND AS ABOVE. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	C=70u VIS 40 LAG 13MIN 60SPM 100CC DUR 3MIN
2700	FLYASH, BLACK CRS, SHALING GRAY. SAND, MED TO VFN, SUB. SAND, BLT, VFN, OFF, CALC, AGGR, MIN SHELL FRAGS, FIRM, FRI, CLAY SOFT, VSOL. TUFF, LT-DK BLU-GRN GRAY, TR, MED, SOFT VOLC, ABUND KAOL.	10 20 30 40 50 75 100 125 150 175	25 50 75 8	
2800	SLTSTN, MED-DK GRAY BRN, FIRM, FRI, CLAY SOFT, VSOL. TUFF, LT-DK BLU-GRN GRAY, TR, MED, SOFT VOLC, ABUND KAOL.	10 20 30 40 50 75 100 125 150 175	25 50 75 8	
2900	SAND, VFN, CL, LA, LL, GR, FIRM. CHROM=100% C1	10 20 30 40 50 75 100 125 150 175	25 50 75 8	
3000	DRILLERS TOTAL DEPTH= 3067'	10 20 30 40 50 75 100 125 150 175	25 50 75 8	RAN WELEX