

COMPANY REICHHOLD ENERGY CORP.
 AREA St. Louis
 LOCATION 604.5'N & 627.5'E of SW
 cor., Sec 21; T5S; R2W,
 W&M
 COUNTY, STATE Marion, Oregon

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

MUD DATA		SALINITY		LEGEND		LITHOLOGY SYMBOLS		REMARKS	
W WEIGHT	W VISCOSITY	S SALINITY	R RESISTIVITY	CB CORE BIT	WLCB WIRE LINE CB	CR CIRCULATE RETURNS	NR NO RETURN	WELL ELEV.	cl. 178'
F FILTRATE	FC FILTER CAKE	RF FILTRATE RESISTIVITY	RB BIT DATA	TC TAP GAS	CC CONNECTION GAS	CR DRILL STEM TEST	OST INTERVAL	SALINITY IN	kb. 189.4'
SD SAND IN %		NRB NEW BIT	RRB RERUN BIT	CC CONNECTION GAS	C CARBIDE GAS	OST INTERVAL]	FILTRATE IN	cc/30 MM.
								GAS TRAP	Agitator type
								MUD	Lignosulfonate
									(Baroid)
									Taylor Drilling Rig #5
									CASING
									7" to 1206'
									to
									to

DATE 9/25/82 to 10/8/82 DEPTH 40' to 3354' ENGINEERS Thomas Duvall

DEPTH	SAMPLE LITHOLOGY	OIL IN MUD OR CUTTINGS Tr x Fair xx Good xxx V/Gd xxxx		REMARKS
		MUD ANALYSIS	CUTTING ANALYSIS	
00				Drilling surface hole w/ 9 7/8" bit.
100	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			w 9.2 v 52 ph 10.5 f 9.2 fc 2/32 sd 600 sol 9
200	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			circ at conn. to condition hole
300	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			ream & circ. 45min
400	Interbedded mud & sand, silt, mod. sh., mod. silty, mod. calc. frags.			ream & circ. 45min
500	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			Lost circ., circ and bail volume.
600	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			Lost circ., 50+bbbls
700	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			Lith inferred in str. L.C.M. contamination. w 8.8 v 90 ph 9.0 f 3.4 fc 2/32 sd 400 sol 10%
800	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			Wipe hole
900	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			wire hole sl sloughing w 8.7 v 93
1000	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			w 8.9 v 60 ph 9.0 f 6.2 fc 2/32 sd 350 sol 1.0%
1100	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			w 8.9 v 44 ph 12.0 f 6.2 fc 2/32 sd 650 sol 9%
1200	Latentitic clays w/ mod. sh., mod. silty, mod. calc. frags.			C=12u v 60 Lag=13mm SPM 63 Dur 4.5mm set 7" casing at 1205', drilling out of shoe with 6" bit
1300	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			w 8.9 v 50 ph 10.5 f 6.2
1400	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			Full to shoe, re-air belly sock.
1500	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			C=82u v 48 Lag 9mm SPM 46 Dur 5.2mm Lost circ. 1.0%
1600	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			v 84 w 8.4
1700	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			sl or loss
1800	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			sl or loss; mid L.C.M.
1900	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			v 2.5 v 13
2000	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			w 9.4 v 46 ph 9.5 f 5.4 fc 2/32 sd 350 sol 11%
2100	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			Cont. sl loss of circ.
2200	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			C=110u v 51 Lag=9mm SPM 60 Dur=6mm sl or loss
2300	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			w 9.5 v 52
2400	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			Ream 7' into to bot- 50ft. cr loss-add L.C.M.
2500	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			Ran Schlumberger DIL, drill ahead. Milled & drilled on slip dies w/ #9RR STC P2 & #10 RR Sec MANj
2600	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			w 9.4 v 56 ph 9.5 f 4.6 fc 2/32 sd 400 sol 11%
2700	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			C=82u v 51 Lag=13mm SPM 60 Dur=52mm
2800	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			repair mud pump: 45 mm
2900	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			w 9.5 v 60
3000	Sand, calc. frags., mod. sh., mod. silty, mod. calc. frags.			Lost 6" from pits.
3100	Calc. bone. Calcareous ss. bone.			Samples poor due abndt L.C.M.
3200	Sand, calc. frags., mod. sh., mod. silty, mod. calc. frags.			w 9.2 v 55
3300	Clay, blue-gray, silt, mod. sh., mod. silty, mod. calc. frags.			Lost 10+ fr/ pits Ran Schlumberger DIL, et. al.
3400	TOTAL DRILLER'S DEPTH 3354'			