

WELL Columbia County 13-1 RD#1
 COMPANY Reichhold Energy Corp.
 AREA Mist
 LOCATION 1393'N & 1252'E of SW crn
 Sec 1; T6N; R5W WB&M
 COUNTY, STATE Columbia, Oregon

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

RECEIVED-PTLD
 JUN 25 1982

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

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

LEGEND
 CB CORE BIT
 WLCB WIRE LINE CB
 OTHER DATA
 TG TRIP GAS
 CG CONNECTION GAS
 C CARBIDE GAS

LITHOLOGY SYMBOLS
 Sand
 Clay
 Silty
 Gravel
 Cement
 Organic
 Coal
 Lignite
 Vol. frac
 Iron ore
 Lead
 Limest. Chert

REMARKS
 WELL ELEV. GL. 1163.2'
 KA. 1174.6'
 SALINITY IN ppm Cl
 FILTRATE IN cc/30 MN.
 GAS TRAP Agitator type
 MUD Lignosulfate
 (Baroid)
 Taylor Drilling Rig # 5

DATE 5/5/82 to 5/9/82 DEPTH 1306 to 3028 ENGINEERS J. Kolarik, B. Thomas, R. Butler

DEPTH	LITHOLOGY	MUD ANALYSIS		CUTTING ANALYSIS	REMARKS
		TOTAL DITCH GAS	BLENDER GAS		
1300	Siltstn, med to dk gry, firm.	chrom=100%Cl			
1400	Siltstn, med gry, blk specs, occ. silty, blk. spec.	chrom=100%Cl			1°30' N23W 13.61'N 2.89'W VD 1379.9 (d=1ft) Lost circulation.
1500	Sand, varig, qtz, mafics, conc. med. v. fr. to med. a/a, silty, blk. spec. silty, blk. spec.	chrom=100%Cl	TG=5U		6°30' N18W 20.26'N 4.88'W VD 1481' (d=2ft) Lith. part. inferred, samples cont. w/LCM.
1600	Siltstn, med olive gry, firm, friable.	chrom=100%Cl			6°45' N13W 34.16'N 8.73'W VD 1605 (d=1ft)
1700	Sand, med-vfr, subang qtz, mafics, blk. spec. pyrite, lig. clay, med gry, soft, silty.	chrom=100%Cl			6°45' N13W 48.36'N 12.0'W VD 1728 (d=2ft.)
1800	Sand, fn-vfn, subang qtz, mafics, blk. spec. med. v. fr. blk. spec. silty, blk. spec.	chrom=100%Cl	sg=30u		6°30' N13W 60.3'N 14.8'W VD 1833 (d=3ft)
1900	Sand, gry, qtz, subang v. fr. blk. spec. silty, blk. spec.	sg=13u	cg=6U		
2000	Clay, med gry, soft sticky, blk. spec. blk. spec.	chrom=100%Cl	TG=16u		6°15' N13W 71.5'N 17.4'W VD 1937 (d=3ft.)
2100	Clay, lt gry, silt, silty, blk. spec. blk. spec. blk. spec.	chrom=100%Cl	cg=7U		2°15' N18W 84.7'N 21'W VD 2121 (d=4ft.)
2200	Clay, gry, silty, blk. spec. blk. spec. blk. spec.	chrom=100%Cl	cg=6U		
2300	Siltstn, lt gry, speck blk. spec. blk. spec. blk. spec.	chrom=100%Cl	sg=17U cg=8U cg=18U		2°75' N 88.2'N 22.9'W VD 2246 (d=4ft.) C=60u vis 45 Lag=17min 40SPM 100cc Dur 4min Samples heavily contaminated w/LCM
2400	Siltstn as above occ. blk. spec. blk. spec. blk. spec.	chrom=100%Cl			
2500	Sand, vfn-med, sub ang mafics, blk. spec. blk. spec. blk. spec.	chrom=100%Cl			W 86 f 45 v 6.5 fc 2/32 pH 9.5 s 250 sd trc sol 2
2600	Sand, vfn-fn, sub ang blk. spec. blk. spec. blk. spec.	chrom=100%Cl			
2700	Sand, vfn-fn, sub ang blk. spec. blk. spec. blk. spec.	chrom=100%Cl			
2800	Lig seam	chrom=100%Cl			
2900	Tuff, med to lt blue blk. spec. blk. spec. blk. spec.	chrom=100%Cl			Samples contaminated w/LCM. Lith. largely interp.
3000	Sand, fn-med or clay blk. spec. blk. spec. blk. spec.	chrom=100%Cl			