

WELL PAUL 34/32 RD#1
 API #36-009-00089-01
 COMPANY REICHHOLD ENERGY CORP.

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

AREA MIST NEHALEM BASIN

LOCATION 741.73' N & 255.80' E OF
 S 2 CORN., SEC 32; T7N; R5W; W6EAM

COUNTY, STATE COLUMBIA CO., OR.

LITHOLOGY SYMBOLS

REMARKS

WELL ELEV. GL. 614.71'
 KB. 627.71'

SALINITY IN PPM 0-
 FILTRATE IN CC/30 MM.
 GAS TRAP AGITATOR TYPE
 MUD LIGNOSULFONATE (BEAVER DRILLING FLUIDS)
 TAYLOR DRILLING FLUID #4

CASING

8 5/8" TO 4 1/2"
 TO
 TO

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

SALINITY
 R RESISTIVITY
 RF FILTRATE RESISTIVITY

BIT DATA
 NB NEW BIT
 RRB RERUN BIT

LEGEND
 CB CORE BIT
 WCB WIRE LINE CB
 OTHER DATA
 TC TRIP GAS
 CG CONNECTION GAS
 C CARBIDE GAS

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

DATE 9/12/84 TO 9/18/84 DEPTH 555' TO 2915' ENGINEERS M. THOMAS
 P. LITTLETON

DEPTH	SAMPLE	OIL IN MUD or CUTTINGS Tr x Fair xx Good xxx V/Gd xxxx		REMARKS
		MUD ANALYSIS	CUTTING ANALYSIS	
		TOTAL DITCH GAS PET. VAP. --- BLENDER GAS	TOTAL GAS PET. VAP. ---	Mud Data Formation Tests Core Analysis Surveys E Logs
		10 20 30 40 50 75 100 125 150 175	25 50 75	
500				SET 8 5/8" CASING w 497' DRILL AHEAD w/ 7 7/8" BIT NOTE: ALL DRIFT ANGLES, DIRECTIONS, COORDINATES, ETC. ARE REAL. NO AVERAGES.
555				Ka.O.P. w 555' w/ 7 7/8" BIT 10°45' S12E 10°46'S 0°10'E 1VD=572' (D=0')
600	CG 3U	CLY; GRN; SFT; GUMMY; SFT; GUMMY; SLT; BRN; SLT; BRN; TRG OF MUD		3°15' S6E 1°3'S 0°21'E 1VD=602.97' (D=0.3) 4°45' W 9.3 V 38 S5E 3°94'S 0°52'E 1VD=633.89' (D=0.11)
650	CG 7U	CLY; GRN; SFT; GUMMY; SFT; GUMMY; SLT; BRN; SLT; BRN; TRG OF MUD		6°01' S5E 1°9'S 0°76'S 1VD=665.75' (D=0.25)
700	CG 24U	CLY; GRN; SFT; GUMMY; SFT; GUMMY; SLT; BRN; SLT; BRN; TRG OF MUD		7°15' S3E 10°73'S 1°05'E 1VD=698.53' (D=0.47)
750	CG 31U	CLY; GRN; SFT; GUMMY; SFT; GUMMY; SLT; BRN; SLT; BRN; TRG OF MUD		6°45' S4E 14°62'S 1°9'E 1VD=726.26' (D=0.74) W 9.3, V 40, PH 12.5, F 12.6, S 2400, S 2
800	CG 18U	CLY; BRN; SFT; GUMMY; SEMI SOL; SLT; BRN; SLT; BRN; TRG OF MUD		10°00' S4E 10°62'S 2°65'E 1VD=757.63' (D=1.17) 11°30' S4E 25°59'S 2°5'E 1VD=788.29' (D=1.7)
850	CG 25U	CLY; BRN; SFT; GUMMY; SEMI SOL; SLT; BRN; SLT; BRN; TRG OF MUD		13°00' S4E 2°15'S 2°51'E 1VD=816.56' (D=2.42)
900	CG 6U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		15°00' S2W 0°78'S 2°84'E 1VD=843.29' (D=4.72)
950	CG 45U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		15°15' S5W 67°19'S 1°84'E 1VD=894.11' (D=1.89)
1000	CG 26U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		15°15' S 79°20'S 1°29'E 1VD=1009.42' (D=2.66) 11°00' S4E 67°62'S 1°56'E 1VL= 1029.38' (D=4.12) W 9.5, V 45, PV 24 YP 11 PH 10.5, S 90L SD 12 SOL 1U C=28U VIS 47 LAG=61M 140SPM 100CC DUR 14MM 14°45' S3E 107°08'S 2°32'E 1VD=1102.63' (D=12.17) W 9.5 V 47
1100	CG 39U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		14°30' S3E 127°4'S 3°89'E 1VD=1163.79' (D=14.21) W 9.5 V 49
1200	CG 12U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		15°00' S1E 147°3'S 4°74'E 1VD=1256.63' (D=17.37) W 9.5 V 46
1300	CG 75U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		15°00' S1E 179°7'S 5°30'E 1VD=1377.37' (D=21.62) 14°45' S 195°9'S 5°41'E 1VL= 1436.26' (D=23.74) W 9.5, V 44, PV 24 YP 10 PH 9.5, S 90L SD 12 SOL 10 FC 2/32
1400	CG 10U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		14°00' S1E 165°9'S 5°02'E 1VD=1317.46' (D=19.52) W 9.5 V 48
1500	CG 15U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		14°45' S3E 211°66'S 5°56'E 1VD=1430.00' (D=22.16) C 4U LAG 10MM SPM 140 100CC DUR 14MM
1600	CG 16U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		14°00' S 254°6'S 5°16'E 1VD=1566.27' (D=28.73) C 4U LAG 10MM SPM 140 100CC DUR 14MM
1700	CG 20U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		14°15' S4E 247°7'S 5°0'E 1VD=1676.36' (D=31.64) W 9.5 V 46
1800	CG 95U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		14°15' S2E 267°32'S 5°36'E 1VD=1721.91' (D=33.69) 13°20' S7E 267°6'S 6°5'E 1VD=1797.63' (D=35.37)
1900	CG 25U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		13°20' S7E 267°6'S 6°5'E 1VD=1797.63' (D=35.37)
2000	CG 10U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		13°00' S7E 267°6'S 6°5'E 1VD=1822.11' (D=37.34) W 9.5 V 50/57
2100	CG 15U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		12°30' S4E 237°24'S 12°17'E 1VD=2006.86' (D=41.12) W 9.7, V 47, PV 24 YP 14 PH 9.5, S 90L SD 12 SOL 11
2200	CG 15U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		12°30' S4E 350°6'S 12°67'E 1VD=2069.41' (D=42.61) 12°45' S 357°43'S 12°9'E 1VD=2099.69' (D=43.1)
2300	CG 20U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		NOTE: BROKEN CHAIN ON DRAW WORKS/3HRS 11°45' S 276°23'S 4°53'E 1VD=2186.70' (D=45.30)
2400	CG 10U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		11°45' S 366°6'S 12°39'E 1VD=2249.40' (D=46.66) W 9.9 V 45 WIPE HOLE
2500	CG 15U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		11°15' S2W 407°40'S 12°17'E 1VD=2340.53' (D=48.47) W 9.9 V 47
2550	CG 10U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		11°00' S2E 425°23'S 12°04'E 1VD=2431.76' (D=50.22)
2600	CG 26U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		10°30' S3E 445°33'S 11°27'E 1VD=2525.11' (D=51.86) W 10.0 V 56
2700	CG 30U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		C 26U VIS 52 LAG 17MM 136 SPM 100CC DUR2MM 10°30' S3E 445°33'S 10°36'E 1VD=2618.52' (D=53.46)
2800	CG 40U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		W 10.2, V 52, S 250 YP 16 PH 8.5, S 90L SD 12 SOL 13
2900	CG 26U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		10°45' S2W 505°06'S 8°41'E 1VD=2673.35' (D=55.63) RAN SCHLUMBER DIL, SONIC, DIP METER.
2915	WHC 26U	SLT; BRN; GRN; BRN; BLK; SLT; BRN; GRN; BRN; SLT; BRN; TRG OF MUD		DRILLERS TOTAL DEPTH 2915'