

AREA: MIST NEHALEM BASIN
 LOCATION: 1026'N. & 629'E. OF S.W. CO. SEC. 2; T6N; R5W, W. B & N
 COUNTY, STATE: COLUMBIA COUNTY, ORE.

LITHOLOGY SYMBOLS
 Sand, Clay, Shale, Silt, Gravel, Lignite, Vol. Frag., etc.

REMARKS
 WELL ELEV. GL. 1020.43'
 SALINITY IN PPM CL-
 FILTRATE IN CC/30MIN.
 GAS TRAPAGITATION TYPE
 MUD FLUAGEL/WATER (CARBID)
 PAUL GRAY W. FIG. 21

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

LEGEND
 S SALINITY
 R RESISTIVITY
 RF FILTRATE RESISTIVITY
 BIT DATA
 NB NEW BIT
 RRB RETURN BIT

CASING
 7" TO 405'
 TO
 TO

DATE: 8/4/80 TO 8/9/80 DEPTH: 210' TO 3223' ENGINEERS: IRWIN THOMAS

REICHHOLD ENERGY CORP., COLUMBIA COUNTY #17 2 RDT1, Sec. 2/6N/5W, MIST NEHALEM BASIN, COLUMBIA CO., OREGON

DEPTH	LITHOLOGY	OIL IN MUD OR CUTTINGS Tr. Fair xx Good xxx V/Gd xxxx		REMARKS
		TOTAL DITCH GAS	CUTTING ANALYSIS	
400	SILTSTN, GRAY BRN SLT GRY BRN SOL CLAY.	50	VD 400	NOTE: ANGLE AND DIRECTION ARE REAL COORDINATES; ETC. ARE AVERAGED. K.O.P. AT 410 FT.
500	AS ABOVE, W/ TR SHEL FRAGS.	50	VD 500	5°00' S65W 1°16'S 1.62'W VD 480' (d=03')
550	FIRM, FRI, SOY, NEB, GRAY BRN SLTSTN W/ ABUNDANT GLAUC.	50	VD 550	4°15' N66W 3°33'N 3.72'W VD 511' (d=09)
600	CHROMATOGRAPH=100%CI	50	VD 600	6°00' N56W 1°70'N 6'W VD 540.6' (d=2')
650	SILTSTN, SOFT TO FIRM, SOY MED GRAY BRN, W/ SOFT, SLTY CLAY.	50	VD 650	7°15' N47W 4'N 9'W VD 570.6' (d=4')
700	CLAY, MED GRY, STICKY, INSOL, W/ ABUND GLAUC, MIN SILTSTN	50	VD 700	C=128U @ 40 VIS 52 SPW, LAG=31MIN 13°N 1c-6'N VD 673.1' (d=11) 7°45' N45W
800	CLAY, MED GRY, SOFT CLAY, INSOL, FIRM, GRN, BRN SILTSTN, FIRM, VOL, LIGN, TUFF, FOSSIL FRAGS, LIGN.	50	VD 800	NOTE: CLEANED AROUND GAS TRAP 7°45' N40W 51°N 38'W VD 856' (d=21)
900	SILTSTN, MED GRY BRN, FIRM, FIRM, FRI, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 900	W 69 V 40
1000	SILTSTN AND CLAY AS ABOVE.	50	VD 1000	NOTE: CLEANED AROUND GAS TRAP 8°15' N36W 51°N 52'W VD 1040' (d=5')
1100	SILTSTN, GRN GRY, FIRM, FIRM, FRI, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 1100	10°00' N34W 55°N 69'W VD 1243' (d=7')
1200	SILTSTN AND CLAY AS ABOVE.	50	VD 1200	W 72 V 39 F 8.4 FC 2/32 PH 10.0 S 870 SD 7% SOL 8%
1300	SILTSTN, GRY BRN, FIRM, FIRM, FRI, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 1300	10°00' N34W 102°N VD 1546' (d=13')
1400	SILTSTN, MED GRY BRN, FIRM, GRY SHALE, TR TAN TUFF.	50	VD 1400	12°15' N35W 105°N 69'W VD 1406' (d=11')
1500	AS ABOVE W/ TR LIGNITE.	50	VD 1500	6°45' N39W 132°N 112'W VD 1640' (d=14')
1600	SILTSTN, MED GRY BRN, FIRM, FIRM, FRI, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 1600	NOTE: CLEANED AROUND GAS TRAP 6°00' N35W 152°N 123.5'W VD 1803' (d=15')
1700	SOFT, SOY, STY, TR FIRM, FRI, SLTY SHALE, W/ SILTSTN, A/A.	50	VD 1700	W 72 V 40
1800	SILTSTN, GRY BRN, GRN, FIRM, FRI, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 1800	5°25' N36W 161.5°N 130°N VD 1925' (d=16')
1900	MED GRY BRN, GRN, CLAY, FIRM, FRI, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 1900	PACKED OFF
2000	CLAY AND SILTSTN AS ABOVE.	50	VD 2000	5°45' N41W 171°N 137°W VD 2047' (d=16')
2100	CLAY, SHALE, GRY BRN, FIRM, FRI, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 2100	5°45' N33W 179°N 142°W VD 2138' (d=17')
2200	CLAY, V. SOFT, SLT, W/ SOY, MED GRY BRN, GRN, SILTSTN, SLTY, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 2200	5°45' N31W 191°N 150°N VD 2292' (d=17')
2300	CLAY, GRY BRN, SOFT, SLT, SLTY, W/ MED GRY BRN, GRN, SILTSTN, SLTY, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 2300	6°15' N26W 214°N 112.5'W VD 2536' (d=19')
2400	CLAY, SILTSTN, W/ MIN SD AS ABOVE.	50	VD 2400	W 72 V 42 F 5.2 FC 2/32 PH 9.8 S 950 SD 1% SOL 8%
2500	GRN GRY CLAY, SOFT, SOY, SLTY, W/ LIGN, FRI, GRN, TR TAN TUFF, FOSSIL FRAGS, VARIG VOLCS.	50	VD 2500	5°45' N26W 231°N 171°W VD 2723' (d=20')
2600	CLAY, SILTSTN, AND SOY AS ABOVE.	50	VD 2600	W 74 V 40 F 5.0 FC 2/32 PH 9.7 S 950 SD 1.8% SOL 11%
2700	CLAY, V. SOFT, SLT, W/ SOY, MED GRY BRN, GRN, SILTSTN, SLTY, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 2700	3°00' N21W 266°N 201°W VD 3339' (d=22')
2800	CLAY, GRY BRN, SOFT, SOY, SLTY, W/ MED GRY BRN, GRN, SILTSTN, SLTY, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 2800	W 74 V 40 F 5.0 FC 2/32 PH 9.7 S 950 SD 1.8% SOL 11%
2900	CLAY AND SILTSTN AS ABOVE.	50	VD 2900	3°15' N37W 266°N 201°W VD 3601' (d=22')
3000	CLAY, V. SOFT, SLT, W/ SOY, MED GRY BRN, GRN, SILTSTN, SLTY, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 3000	DRILLER'S TOTAL DEPTH 3223'
3100	CLAY, LI GRY TO GRAY GRN, SOFT, MED GRAY BRN, GRN, W/ TR CALGITE, LIGN.	50	VD 3100	
3200	SILTSTN, MED TO LT BRN GRN, SOFT, MED GRAY BRN, GRN, W/ TR CALGITE, LIGN.	50	VD 3200	
3300	CLAY & SILTSTN AS ABOVE, W/ SOY, MED GRAY BRN, GRN, W/ TR CALGITE, LIGN.	50	VD 3300	
3400	SAND, V. TO MED, MED GRN, SLTY, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 3400	
3500	SAND, V. TO MED, MED GRN, SLTY, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 3500	
3600	SAND, V. TO MED, MED GRN, SLTY, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 3600	
3700	SAND, V. TO MED, MED GRN, SLTY, W/ CLAY, GRAY VAN, SOFT, LIGN, GLAUC, SL SOY.	50	VD 3700	
3800	LT BLUE GRY VOLC TUFF, W/ GRN BRN SILTSTN, TR KADL, BLUE GRAY, W/ WELDED TUFF.	50	VD 3800	
3900	LT BLUE GRY VOLC TUFF, W/ GRN BRN SILTSTN, TR KADL, BLUE GRAY, W/ WELDED TUFF.	50	VD 3900	
4000	LT BLUE GRY VOLC TUFF, W/ GRN BRN SILTSTN, TR KADL, BLUE GRAY, W/ WELDED TUFF.	50	VD 4000	