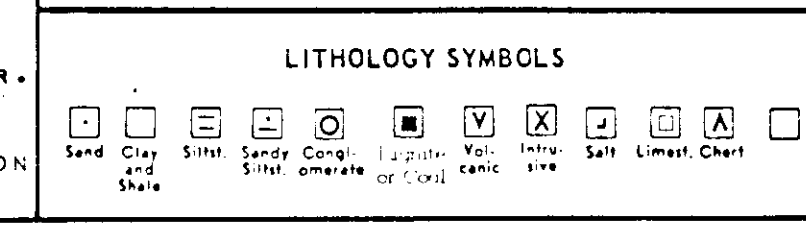


AREA NEHALEM BASIN
LOCATION 1561'S & 630' N of NE cor. of Sec 10; T6N; R5W; 18M
COUNTY, STATE COLUMBIA CO., OREGON

LITHOLOGY SYMBOLS


REMARKS
 WELL ELEV. 858.2'
 KB. 869.4'
 SALINITY IN PPM 0L
 FILTRATE IN CC/30 MIN.
 GAS TRAP AGITATOR
 MUD LIGNOSULFONATE
 TAYLOR DRILLING #4

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 RERUN BIT
 CB CORE BIT
 WLCB WIRE LINE CB
 OTHER DATA
 TG TRIP GAS
 CG CONNECTION GAS
 C CARBIDE GAS
 CR CIRCULATE RETURNS
 NR NO RETURNS
 DST DRILL STEM TEST
 DST INTERVAL
 CORE INTERVAL

CASING
 7" TO 391"
 TO
 TO

DATE 5/1/79 to 6/4/79 DEPTH 461' to 2993' ENGINEERS REAY

DEPTH	LITHOLOGY	OIL IN MUD or CUTTINGS Tr x Fair xx Good xxx V.Gd xxxx		REMARKS
		MUD ANALYSIS	CUTTING ANALYSIS	
400-500	CLAY, LT BRN, STICKY, GUMMY BRN TO YELLOW SLTSTN			DRILLING AHEAD W/ 6" BIT IN 162' NOTE: DRIFT ANGLE AND DIRECTION ARE REAL, ALL OTHER SURVEY DATA ARE AVERAGED K.J.P. RAN DYNADRILL
500-600	CLAY, LT BRN TO GRN BRN V. STICKY			BRIGHT YELLOW FLUOR OVER 1-2' SURF WASH 80MP. V. ODOR, NO
600-700	CLAY, LT BRN TO GRN BRN SLTSTN, TR F. ALGA			700' S31W 7.76'S 4.72'W VD=620' (D=4') W 68 V 37 F 6.4 FC 1/32 PH 12.5 S 225PP- SD 0' 4015' S16W 15.0'S 7.99'W VD=675' (D=1')
700-800	SILTSTN, GRN-BRYBRN- LT BRN, FIRM SOFT, W/LT BRN V GUMMY CLAY TRO MICA			11045' S19W 70.26'S 12.64'W VD=763' (D=2')
800-900	SLTSTN, GRN-BRYBRN-PRN SOL, SOFT-FIRM, FRI, W/LT BRN V GUMMY CLAY TG=550			13045' S16W 48.15'S 18.28'N VD=851' (D=4')
900-1000	SLTSTN, GRN TO GRN BRN, TO GRN, HD TO FRN, BRN MICA, MARG. MUSSEL FN.			1500' S20; 91.83'S 32.47'W VD=1039' (D=10')
1000-1100	SLTSTN, GRN TO BRN BRN, TO GRN, HD TO FRN, BRN MICA, MARG. MUSSEL FN.			15045' S21W 115.17'S 41.20'W VD=1121' (D=13')
1100-1200	SLTSTN, GRN TO BRN BRN, TO GRN, HD TO FRN, BRN MICA, MARG. MUSSEL FN.			1700' S25W 135.05'S 51.34'W VD=1209' (D=17')
1200-1300	SLTSTN, GRN TO BRN BRN, TO GRN, HD TO FRN, BRN MICA, MARG. MUSSEL FN.			17045' S28W 163.90'S 63.73'W VD=1298' (D=21')
1300-1400	SLTSTN, LT-MED GRN BRN SOL, SOFT-FIRM, OCC SDY, TRC MICA, OCC TRC FLUORES IN CUTTINGS			1800' S19W 179'S 71'N VD=1350' (D=24')
1400-1500	SLTSTN, A/A			17030' S6W 206'S 77'W VD=1836' (D=28) W 71 V 39 FC2/32 F 6.4 SAL 1050 PH 10 SD 3/4% SOL 9% 1900' S10; 223'S 30'N VD=1493' (D=31')
1500-1600	SLTSTN, GRN TO GRN BRN, TO GRN, HD TO FRN, BRN MICA, MARG. MUSSEL FN.			19045' S10W 256'S 35'N VD=1586' (D=37')
1600-1700	SLTSTN, A/A			21030' S15W 308'S 97'N VD=1726' (D=47')
1700-1800	CLAY & SILTSTN, LT-MED GRYBRN, SOL, SOFT-FIRM STONY, TRC MICA			W 71 FC 2/32 V 40 SD 1/4% F 6.4 SOL 9% PH 10 SAL 1000PPM
1800-1900	CLAY, GRN, SOFT, SOL MINOR CALC STAIN			POH LOST RIG POWER, PULLED TO SHOE
1900-2000	CLAY, LT GRN TO GRN BRN SOL, MINOR GRN BRN LAYS, FRN, MICA, F. PYR VVEN SD, IN EAQL CLAYS			21045' S16W 35'S 109'W VD=1840' (D=56') C=200u G 40 vis 56SPM 9 MIN LAG
2000-2100	CLAY, LT GRN TO GRN BRN SOL, INTERBEDDED W/FRN SD, TR MICA, FR PYR			W 72 V 44
2100-2200	CLAY, AS ABOVE, OCC THIN SILTY SDS			22015' S16W 395'S 122'W VD=1955' (D=65')
2200-2300	CLAY, AS ABOVE, OCC THIN SILTY SDS			W 71 PH 10 V 48 SAL 1000 F 3.2 SD 1/2% FC 2/32 SOL 9%
2300-2400	CLAY, GRN, SOFT, SOL MINOR CALC STAIN			22045' S19W 474'S 147'W VD=2155' (D=91')
2400-2500	SAND, VFN TO FRN BRN, CLR AND FB FRN BRN, GRN BRN, SOL CLAY MATRIX, X1			W 74 V 73
2500-2600	SAND, VFN TO FRN BRN, CLR AND FB FRN BRN, GRN BRN, SOL CLAY MATRIX, X1			W 72 V 48
2600-2700	SAND, VFN TO FRN BRN, CLR AND FB FRN BRN, GRN BRN, SOL CLAY MATRIX, X1			26015' S21W 57'S 182'W VD=2380' (D=103')
2700-2800	SAND, VFN TO FRN BRN, CLR AND FB FRN BRN, GRN BRN, SOL CLAY MATRIX, X1			27030' S24; 674'S 224'W VD=2601' (D=130')
2800-2900	SAND, VFN-FN, QZ, W/BRN- GYBRN-WHT CLAYS, TRC PYRITE BIOTITE, OCC YELL W FLUORES SPOTTING IN CUTTINGS			W 77 PH 10 V 45 SD 3% F 6.4 CL 1000 FC 2/32 SOL 12%
2900-3000	SAND, VFN-FN, QZ, W/BRN- GYBRN-WHT CLAYS, TRC PYRITE BIOTITE, OCC YELL W FLUORES SPOTTING IN CUTTINGS			27030' S25W 784'S 274'W VD=2833' (D=160')
3000	SAND, VFN-FN, QZ, W/BRN- GYBRN-WHT CLAYS, TRC PYRITE BIOTITE, OCC YELL W FLUORES SPOTTING IN CUTTINGS			W 76 V 41 RAN WELEX E-L-GS