

WELL CAVENHAM FOREST INDUSTRIES #41-4	- WEGE -	
COMPANY ARCO OIL AND GAS COMPANY	WESTERN GEO-ENGINEERS	
AREA PITTSBURG	"SERVICE TO THE OIL AND GAS INDUSTRY"	
LOCATION S3°57'09" W1095.58' & N86°02'51" W865.04' of NE CORNER SEC. 4; T5N; R4W, W8	LITHOLOGY SYMBOLS	
COUNTY, STATE COLUMBIA Co., OREGON	REMARKS	
MUD DATA W WEIGHT V VISCOSITY F FILTRATE FC FILTER CAKE SD SAND IN %	LEGEND S SALINITY R RESISTIVITY R FILTRATE NB DATA NB NEW BIT RRB RERUN BIT	CB CORE BIT WLCB WIRE LINE CB OTHER DATA TO TRIP GAS CC CONNECTION GAS C CARBIDE GAS
		CR CIRCULATE RETURNS MR MR RETURN DST DRILL STEM TEST DST INTERVAL] CORE INTERVAL
DATE 9/9/86 to 9/13/86	DEPTH 0 to 2584	ENGINEERS B. THOMAS G. SANDSTROM
		WELL ELEV. 61.886.51 KB 807.51 SALINITY IN PPM 0 FILTRATE IN CC/30 MM. GAS TRAP AGITATOR TYPE MUD LIGNOSULFONATE (MAGGOCAR) RIG #5 HUNNICUTT & CAMP
		CASING 9-5/8" TO 441' TO TO

DEPTH	SAMPLE LITHOLOGY	OIL IN MUD or CUTTINGS Tr x Fr x Gd xxx V/Gd xxx		REMARKS
		MUD ANALYSIS	CUTTING ANALYSIS	
		TOTAL DITCH GAS	TOTAL GAS	
		PET. VAP. ---	PET. VAP. ---	
		10 20 30 40 50 75 100 125 150 175	25 50 75 8	
0				
100				DRILL SURFACE w/125" BIT. SPUD W/ GEL AND WATER.
150				v 8.7 v 45
200				MOD SLOUGH
300				s 80 RMF 126
400				1°00' SET 441' OF 9-5/8" CSG @ 442'. DRILL OUT W/8 1/2" BIT.
500				PLA. TEST: 110 PSI @ 2.0 MD= 12.7 LBS/GAL
600				v 9.1 v 38 s 400 RMF 2.42 PICK UP STAB
700				ABUN SLOUGH
800				ABUN SLOUGH
900				1°45' s 370 RMF 2.86
1000				
1100				644u v 39 LAG=11MIN 58 SPM 100CC DUR=7MIN
1200				
1300				CE 210 RMF 5.2 OHMM
1400				
1500				2°45' w 9.3 v 39 v 11 v 7 FILB.8 FC 2/32 SOL 7% SD 1/4% PH 11.1 CL 90 CA 400 s 200 RMF 5.94 OHMM
1600				WIPE HOLE w 9.7 v 42
1700				s 300 RMF 5.62 s 295 RMF 5.15 C=65u v 42 LAG 14MIN 57 SPM 100CC DUR 3MIN s 700 RMF 3.62
1800				
1900				1°30' w 10.1 v 37
2000				
2100				
2200				s 620 PPM RMF 6.0 w 10.3 v 39
2300				
2400				
2500				s 650 RMF 5.58 w 10.3 v 39
2600				1°45' RUN SCHLUMBERGER