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WESTERN GEO-ENGINEERS

GEOLOGISTS

COMPANY NORTHWEST EXPLORATION CO. STATE OREGON CASING PROGRAM: 9 3/8" inch at 598' ft.

WELL WESTPORT #1 COUNTY Coos ~~694' N & 2136' W~~ inch at ft.

CONTRACTOR J & N DRILLING Co. LOCATION OF SE CRN SEC 16 TWP 26S RNG 13W inch at ft.

STOCKPOINT Coos BAY, ORE. DATE 6/7/80 COMPANY — ENGINEER NORTHERN MUD - KENNY LYNCH TOTAL DEPTH 3700 ft.

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY Sec API @ °F	VISCOSITY PV @ °F	Yp	GELS 10 sec/10 min	pH Strip/Meter	FILTRATION ml API	FILTRATION HTHP @ °F	FILTRATION Cake 32nds	FILTRATE ANALYSIS pf	FILTRATE ANALYSIS Pf/Mf	FILTRATE ANALYSIS Cl ppm	FILTRATE ANALYSIS Ca ppm	SAND %	RETORT Solids %	RETORT Oil %	RETORT Water %	CEC Mud, me/ml	REMARKS AND TREATMENT
																				SPUDDED W/ GEL/SALTWATER
6/7		8.6	40																	SWITCH SYSTEM TO GEL/BENEX
/8	660	9.0	38	19	2	2/19	8.5		10.8	2		TR	2400	40	TR	5		95		RAN CASING, SET @ 659'
/9	680	9.0	37	18	3	2/18	8.5		10.6	2		TR	2400	50	TR	5		95		
/10	680	9.0	38	20	3	2/17	8.5		10.8	2		TR	2400	50	TR	5		95		
/11	880	9.0	36	17	2	2/17	9.0		10.0	2		TR	2400	50	TR	5		95		
/12	1270	8.9	34	4	0	1/4	9.0		20	2	1.5	4.5	200	40	TR	5		95		WATER LOSS TO HIGH
/13	1270	9.0	35	8	2	5/20	9.0		14.6	2		1/3	200	40	TR	5		95		DRILL STEM TEST #1
/14	1498	9.0	37	8	4	15/50	9.0		14.0	2		1/3	800	50	TR	5		95		DST #2
/15	1663	9.0	34	8	3	2/19	9.0		15.2	2	4.3		700	50	TR	5		95		
/16	1800	9.0	36	7	3	3/21	9.0		15.0	2	4.3		700	50	TR	5		95		
/17	2153	8.9	36	6	9	9/30	9.0		18.4	2	4.7		500	50	TR	5		95		WATER LOSS TO HIGH
/18	2385	9.0	36	10	6	5/14	9.0		18.0	2	TR		450	40	TR	6		94		" " " "
/19	2585	9.0	36	10	7	4/11	9.0		15.0	2	—	—	450	50	TR	6		94		
/20	2760	9.1	36	9	2	2/14	9.0		13.8	2	TR		500	50	TR	6		94		
/21	2955	9.1	36	10	4	2/14	8.5		12.6	2	TR		350	40	TR	5		95		pH LOW
/22	3177	9.1	36	10	4	2/18	8.8		10.6	2	.2		400	50	TR	5		95		
/23	3385	9.1	36	10	5	2/17	9.0		12.0	2	.2		350	50	tr	6		94		filtrate to high
/24	3550	9.0	38	10	4	2/17	9.0		13.2	2	.2		350	50	tr	5		95		
/ 25	3700	9.1	40	11	3	2/14	9.0		12.0	2	.2		350	tr	5	-		95		run Schlumberger logs, TD-3700

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