

- W E O E -
WESTERN GEO-ENGINEERS
 GEOLOGISTS

COMPANY: NORTHWEST EXPLORATION CO. STATE: Oregon
 WELL: Coos County #1 COUNTY: Coos
 CONTRACTOR: J & N Drilling Co. Rig #1 LOCATION: 1717' N & 1902' E
 STOCKPOINT: Coos Bay DATE: _____

CASING PROGRAM:
 9 5/8" inch at 675' ft.
 _____ inch at _____ ft.
 _____ inch at _____ ft.
 _____ inch at _____ ft.

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY		YP 10 sec/10 min	GELS 10 sec/10 min	pH	FILTRATION		FILTRATE ANALYSIS			SAND %	RETORT		CEC Mud, me/ml	REMARKS AND TREATMENT
			Sec API	PV of				ml API	ml of 12.5% CuSO ₄	CF/Ml	Cl ppm	Ca ppm		Soln %	Oil %		
8/1/80	spu	l mud															
/2	spu	l mud															
/3	spu	l mud															
/4	spu	l mud															
/5	675	8.9	36	10	6	6/21	9.0	18	2	tr	250	40	tr	5	95		run casing to 675'
/6	870	8.9	37	11	5	5/19	9.8	17	2	tr	250	40	tr	5	95		
/7	1109	9.0	40	13	8	5/19	10	6	2	tr	550	40	tr	5	95		
/8	1435	9.7	41	14	2	2/6	10	6.5	2	2	700	50	tr	5	95		
/9	1717	9.7	40	13	3	2/5	10	6	2	2	700	50	tr	4	96		
/10	1717	9.9	41	14	4	3/6	10	5.6	2	2	700	60	tr	4	96		DST#1- packers didn't seat
/11	2000	9.9	40	17	8	5/10	10	4	2	2	800	50	tr	4	96		
/12	2206	10.2	44	19	7	5/11	10	4.5	2	2	750	60	tr	5	95		
/13	2280	10.2	44	19	6	2/9	10	4.2	2	2	850	50	tr	4	96		
/14	2499	10.6	45	15	25	4/12	10	4.2	2	3	950	60	tr	5	95		
/15	2745	10.5	45	23	14	6/13	10.2	4.8	2	2	650	40	tr	5	95		
/16	2920	10.5	44	17	6	5/12	10	4	2	2	650	50	1	5	92		
/17	3100	10.5	43	17	7	6/13	10	4	2	2	650	50	1	5	95		
/18	3250	10.5	45	16	10	4/11	10	4	2	2	1200	60	tr	5	95		
/19	3250	10.5	45	17	9	3/12	10	4	2	2	1200	50	tr	5	95		Rig repair
/20	3250	10.5	45	19	8	4/14	9.8	5	2	2	1100	50	tr	5	95		Rig repair
/21	3295	10.4	41	20	5	5/8	9.8	4.2	2	2	1200	60	tr	5	95		
/22	3503	10.5	44	21	5	4/11	10.2	4	2	4	1200	50	tr	5	95		
/23	3566	10.5	43	20	7	5/8	10.3	4	2	3	1200	60	tr	5	95		
/24	3756	10.6	43	25	7	4/12	10.2	4.2	2	2	1200	60	tr	5	95		
/25	3800	10.6	43	26	7	3/7	10.7	4	2	3	1300	60	tr	5	95		
/26	4006	10.7	45	27	6	3/9	10	4	2	3	1250	60	tr	5	95		
/27	3640	10.7	44	28	5	3/8	10.2	4	2	3	1250	60	tr	5	95		ream to 3640 run Schlumberger logs.
/28	3854	11.0	46	26	8	4/8	11	3.8	2	3	1450	60	tr	5	95		reaming
/29	4220	11.1	48	29	11	5/11	11	3.7	2	3	1400	70	1	7	4	93	
/3031	4347	11.1	48	29	19	6/10	11	4.2	3	2	500	60	1	7	4	93	100bbls gain in pit
9/1	4560	11.1	44	21	10	4/12	11.4	3.9	2	1.9	1200	40	3/4	7	4	93	
/2	4617	11.3	44	21	11	4/11	11	3.9	2	1.8	1200	40	1/2	7	4	93	
/3	4793	11.5	42	20	12	4/6	10.9	3.4	2	2.1	1000	40	1/2	7	4	93	
/4	4909	11.5	42	18	8	2/5	11.1	3.6	2	2.2	900	40	1/2	10	3	87	
/5	5000	11.5	40	10	7	2/6	11.2	3.6	2	2.2	900	40	1/2	10	3	87	

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COMPANY NORTHWEST EXPLORATION CO. STATE Oregon COUNTY Coos Coos
 WELL Coos County #1
 CONTRACTOR J & N Drilling Co. Rig #1
 STOCKPILE Coos Bay

CASING PROGRAM: 9 5/8" inch at 6'5" ft.
 inch at _____ ft.
 inch at _____ ft.
 inch at _____ ft.

LOCATION 1717'N & 1902'E sec 14 TWP 27S RIG 13W
 of SE crn Northern Mud - Kenny Lynch
 COMPANY - ENGINEER

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY		Yp	GELS 10 sec/ 10 min	pH	FILTRATION		FILTRATE ANALYSIS			SAID %	RETORTI			CEC Mud, me/ml	REMARKS AND TREATMENT
			Sec API	PV of				ml API	HTHP of	API	API	API		API	API	API		
/6	5100	11.5	42	19	6	2/7	11.1	2.8	2	2.5	0.6	1220	40	LI	10	3	87	
/7	5210	11.5	43	20	5	2/6	11.3	3	2	2.6	0.5	1200	50	LI	10	3	87	
/8	5331	11.5	43	19	6	2/5	11.2	3.6	2	3/6		1250	50	TR	10	3	87	
/9	5488	11.5	43	20	6	3/6	11.0	4	2	3/6		1200	50	TR	10	3	87	
/10	5688	11.5	45	21	5	3/7	11.0	6.6	2	3/6		1100	50	TR	10	3	87	
/11	5835	11.5	44	22	6	2/5	11.0	8	2	3/6		1100	50	1	9	3	87	
/12	5995	11.5	44	21	7	2/4	11.0	8.6	2	3/6	1.5	6	50	1	9	3	87	
/13	5128	11.5	44	22	6	2/5	11.0	8.8	2	3/6	1.5	6	50	TR	9	3	88	
/14	5200	11.5	44	20	6	2/6	10.7	3.6	2	3/6		1250	50	RR	9	3	88	
/15	5384	11.5	45	22	6	3/8	10.8	3.6	2	3/6		1200	50	TR	9	3	88	
/16	5557	11.5	44	21	7	2/6	10.8	4	2	3/6		1200	60	TR	9	3	88	
/17	5889	11.5	44	19	5	3/8	10.5	3.8	2	3/7		1150	50	TR	9	3	88	
/18	6746	11.5	45	20	7	3/6	10.5	3.8	2	3/7		1250	50	TR	9	3	88	
/19	6809	11.5	42	19	7	2/6	11.2	3.6	2	2.6	5.8	900	40	1/2	10	3	87	TD @ 6821', RUN SCHLUMBERGER