

LEASE NAME _____ FEDERAL PP _____ 1 _____ *Carlbad south (morrow)*
 OPERATOR MOBIL OIL CORPORATION 1980' FNL & 198' FWL, Section 25, T23S, R26E,
 Eddy County, New Mexico

Depth	Time	Rate	Time	Rate	Time	Rate
0						
536	5.36	1	1.75	9.38	9.38	
878	3.42	1/2	.87	2.98	12.36	
1059	1.81	1-1/2	2.62	4.74	17.10	
1184	1.25	2	3.49	4.36	21.46	
1216	.32	2	3.49	1.12	22.58	
1405	1.89	2	3.49	6.60	29.18	
1530	1.25	2-1/4	3.93	4.91	34.09	
1560	.30	2-3/4	4.80	1.44	35.53	
1656	.96	2-1/4	3.93	3.77	39.30	
1718	.62	2-1/4	3.93	2.44	41.74	
1780	.62	1-3/4	3.05	1.89	43.63	
1970	1.90	1-1/2	2.62	4.98	48.61	
2449	4.79	1/2	.87	4.17	52.78	
2930	4.81	1/2	.87	4.18	56.96	
3368	4.38	1/2	.87	3.81	60.77	
3870	5.02	1/2	.87	4.37	65.14	
4366	4.96	1/2	.87	4.32	69.46	
4847	4.81	1/2	.87	4.18	73.64	
5050	2.03	1/4	.44	.89	74.53	
6081	10.31	1/2	.87	8.97	83.50	
6572	4.91	3/4	1.31	6.43	89.93	
7168	5.96	1/2	.87	5.19	95.12	
7641	4.73	1/2	.87	4.12	99.24	
8143	5.02	1/2	.87	4.37	103.61	
8600	4.57	1-1/4	2.18	9.96	113.57	
9080	4.80	1-1/4	2.18	10.46	124.03	
9575	4.95	1-1/4	2.18	10.79	134.82	
10,045	4.70	1	1.75	8.23	143.05	
10,515	4.70	1-1/4	2.18	10.25	153.30	
11,052	5.37	1	1.75	9.40	162.70	
11,590	5.38	1-1/2	2.62	14.10	176.80	

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 OCT 17 1973
 U. S. GEOLOGICAL SURVEY
 ARTESIA, NEW MEXICO

INCLINATION DATA CERTIFICATION

I declare that I am authorized to make this certification, that I have personal knowledge of the inclination data and that such data and facts are true, correct and complete to the best of my knowledge.

B. E. Burton
 STATE OF TEXAS
 COUNTY OF ECTOR
 B. E. BURTON, CONTRACT MANAGER
 WARTON DRILLING COMPANY

STATE OF TEXAS
 COUNTY OF ECTOR

Sworn and subscribed to before me this 26th day of Sept., 1973.

Marilyn Neatherton
 Marilyn Neatherton, Notary Public in