

DST REPORT

GENERAL INFORMATION

DATE : 1-27-1996
CUSTOMER : NOBLE PETROLEUM INC.
WELL : #1 TEST: 1
ELEVATION: 2400 K.B.
SECTION : 35
RANGE : 25W COUNTY: NESS
GAUGE SN#: 10270 RANGE : 4150
TICKET : 21617
LEASE : KRUG
GEOLOGIST: HONAS
FORMATION: MARMATON
TOWNSHIP : 17S
STATE : KS
CLOCK : 12HR

WELL INFORMATION

PERFORATION INTERVAL FROM: 4037.00 ft TO: 4150.00 ft TVD: 4150.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4142.0 ft 4145.0 ft
TEMPERATURE: 111.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4017.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 113.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE :
PACKER DEPTH: 4032.0 ft SIZE: 6.630 in
PACKER DEPTH: 4037.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : DUKE DRLG. RIG #4
MUD TYPE : CHEMICAL
WEIGHT : 9.000 ppg VISCOSITY : 48.00 cp
CHLORIDES : 8500 ppm WATER LOSS: 11.200 cc
JARS-MAKE : NONE
DID WELL FLOW?: NO SERIAL NUMBER: NONE
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BUILDING TO A STRONG
IN 12 MINUTES
FINAL FLFLOW PERIOD WEAK BUILDING TO STRONG IN 12

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

MINUTES

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	465' GAS IN PIPE
135.0	15.0	15.0	0.0	30.0	OIL & GAS CUT MUD
60.0	7.0	11.0	0.0	82.0	OIL & GAS CUT MUD

RATE INFORMATION

OIL VOLUME: 0.3429 STB
 GAS VOLUME: 2.1147 SCF
 MUD VOLUME: 1.2582 STB
 WATER VOLUME: 0.0000 STB
 TOTAL FLUID : 1.6011 STB

TOTAL FLOW TIME: 75.0000 min.
 AVERAGE OIL RATE: 30.7413 STB/D
 AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2045.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	83.00	93.00
INITIAL SHUT-IN	45.00		1423.00
FINAL FLOW	45.00	124.00	135.00
FINAL SHUT-IN	45.00		1257.00

FINAL HYDROSTATIC PRESSURE: 2025.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2031.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	109.00	124.00
INITIAL SHUT-IN	45.00		1421.00
FINAL FLOW	45.00	151.00	161.00
FINAL SHUT-IN	45.00		1267.00

FINAL HYDROSTATIC PRESSURE: 2017.00

Company: NOBEL PETROLEUM INC.
Well: KRUG # 1 DST # 1
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)

INITIAL FLOW PERIOD				
1	0	2: 1:40	0.0000	109.75
2	0	2: 1:47	0.0020	109.75
3	0	2: 1:55	0.0040	109.75
4	0	2: 2: 2	0.0060	109.75
5	0	2: 2: 9	0.0080	109.75
6	0	2: 2:16	0.0100	109.76
7	0	2: 2:23	0.0120	109.76
8	0	2: 2:31	0.0140	109.76
9	0	2: 2:38	0.0160	109.76
10	0	2: 2:45	0.0180	109.76
11	0	2: 2:52	0.0200	108.89
12	0	2: 2:59	0.0220	108.89
13	0	2: 3: 7	0.0240	108.02
14	0	2: 3:14	0.0260	108.02
15	0	2: 3:21	0.0280	107.16
16	0	2: 3:28	0.0300	107.16
17	0	2: 3:35	0.0320	107.16
18	0	2: 3:43	0.0340	106.29
19	0	2: 3:50	0.0360	106.29
20	0	2: 3:57	0.0380	105.42
21	0	2: 4: 4	0.0400	105.43
22	0	2: 4:11	0.0420	104.56
23	0	2: 4:19	0.0440	104.56
24	0	2: 4:26	0.0460	103.69
25	0	2: 4:33	0.0480	103.69
26	0	2: 4:40	0.0500	102.83
27	0	2: 4:47	0.0520	102.83
28	0	2: 4:55	0.0540	102.83
29	0	2: 5: 2	0.0560	102.83
30	0	2: 5: 9	0.0580	102.83
31	0	2: 5:16	0.0600	102.83
32	0	2: 5:23	0.0620	102.83
33	0	2: 5:30	0.0639	102.83
34	0	2: 5:38	0.0659	102.83
35	0	2: 5:45	0.0679	102.83
36	0	2: 5:52	0.0699	102.83
37	0	2: 5:59	0.0719	101.96
38	0	2: 6: 6	0.0740	101.96
39	0	2: 6:14	0.0759	101.96
40	0	2: 6:21	0.0779	101.96
41	0	2: 6:28	0.0799	101.10
42	0	2: 6:35	0.0819	101.10
43	0	2: 6:42	0.0839	101.10
44	0	2: 6:50	0.0859	101.10
45	0	2: 6:57	0.0879	100.23
46	0	2: 7: 4	0.0899	100.23
47	0	2: 7:11	0.0919	100.23
48	0	2: 7:18	0.0939	100.23
49	0	2: 7:26	0.0959	100.23
50	0	2: 7:33	0.0979	100.23
51	0	2: 7:40	0.0999	100.23
52	0	2: 7:47	0.1019	100.23
53	0	2: 7:54	0.1039	100.23
54	0	2: 8: 2	0.1059	100.24

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
55	0	2: 8: 9	0.1079	101.10
56	0	2: 8:16	0.1099	101.10
57	0	2: 8:23	0.1119	100.24
58	0	2: 8:30	0.1139	101.10
59	0	2: 8:38	0.1159	101.10
60	0	2: 8:45	0.1179	101.11
61	0	2: 8:52	0.1199	101.11
62	0	2: 8:59	0.1219	101.11
63	0	2: 9: 6	0.1239	101.11
64	0	2: 9:14	0.1259	101.11
65	0	2: 9:21	0.1279	101.11
66	0	2: 9:28	0.1299	101.11
67	0	2: 9:35	0.1319	101.11
68	0	2: 9:42	0.1339	101.11
69	0	2: 9:49	0.1359	101.11
70	0	2: 9:57	0.1379	101.11
71	0	2:10: 4	0.1399	101.11
72	0	2:10:11	0.1419	101.11
73	0	2:10:18	0.1439	101.11
74	0	2:10:25	0.1459	101.11
75	0	2:10:33	0.1479	101.11
76	0	2:10:40	0.1499	101.11
77	0	2:10:47	0.1519	101.11
78	0	2:10:54	0.1539	101.11
79	0	2:11: 1	0.1559	101.11
80	0	2:11: 9	0.1579	101.11
81	0	2:11:16	0.1599	101.11
82	0	2:11:23	0.1619	101.11
83	0	2:11:30	0.1639	101.12
84	0	2:11:37	0.1659	101.12
85	0	2:11:45	0.1679	101.98
86	0	2:11:52	0.1699	101.98
87	0	2:11:59	0.1719	101.98
88	0	2:12: 6	0.1739	101.98
89	0	2:12:13	0.1759	101.99
90	0	2:12:21	0.1779	101.99
91	0	2:12:28	0.1799	101.99
92	0	2:12:35	0.1819	101.99
93	0	2:12:42	0.1839	101.99
94	0	2:12:49	0.1858	101.99
95	0	2:12:57	0.1878	101.99
96	0	2:13: 4	0.1899	102.86
97	0	2:13:11	0.1918	102.86
98	0	2:13:18	0.1938	102.86
99	0	2:13:25	0.1958	102.86
100	0	2:13:32	0.1978	102.86
101	0	2:13:40	0.1998	102.86
102	0	2:13:47	0.2018	102.86
103	0	2:13:54	0.2038	102.86
104	0	2:14: 1	0.2058	102.86
105	0	2:14: 8	0.2078	102.86
106	0	2:14:16	0.2098	102.86
107	0	2:14:23	0.2118	102.86
108	0	2:14:30	0.2138	102.86
109	0	2:14:37	0.2158	102.86

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
110	0	2:14:44	0.2178	103.73
111	0	2:14:52	0.2198	103.73
112	0	2:14:59	0.2218	103.73
113	0	2:15: 6	0.2238	103.73
114	0	2:15:13	0.2258	103.73
115	0	2:15:20	0.2278	103.73
116	0	2:15:28	0.2298	103.73
117	0	2:15:35	0.2318	103.73
118	0	2:15:42	0.2338	104.60
119	0	2:15:49	0.2358	104.60
120	0	2:15:56	0.2378	104.60
121	0	2:16: 4	0.2398	104.60
122	0	2:16:11	0.2418	104.60
123	0	2:16:18	0.2438	104.60
124	0	2:16:25	0.2458	104.60
125	0	2:16:32	0.2478	103.74
126	0	2:16:40	0.2498	104.60
127	0	2:16:47	0.2518	104.60
128	0	2:16:54	0.2538	104.60
129	0	2:17: 1	0.2558	104.60
130	0	2:17: 8	0.2578	104.60
131	0	2:17:16	0.2598	104.61
132	0	2:17:23	0.2618	105.47
133	0	2:17:30	0.2638	105.47
134	0	2:17:37	0.2658	105.47
135	0	2:17:44	0.2678	105.47
136	0	2:17:51	0.2698	105.47
137	0	2:17:59	0.2718	105.48
138	0	2:18: 6	0.2738	105.48
139	0	2:18:13	0.2758	105.48
140	0	2:18:20	0.2778	105.48
141	0	2:18:27	0.2798	105.48
142	0	2:18:35	0.2818	105.48
143	0	2:18:42	0.2838	106.35
144	0	2:18:49	0.2858	106.35
145	0	2:18:56	0.2878	106.35
146	0	2:19: 3	0.2898	106.35
147	0	2:19:11	0.2918	106.35
148	0	2:19:18	0.2938	106.35
149	0	2:19:25	0.2958	106.35
150	0	2:19:32	0.2978	106.35
151	0	2:19:39	0.2998	106.35
152	0	2:19:47	0.3018	106.35
153	0	2:19:54	0.3038	106.35
154	0	2:20: 1	0.3058	107.22
155	0	2:20: 8	0.3077	107.22
156	0	2:20:15	0.3097	107.22
157	0	2:20:23	0.3117	107.22
158	0	2:20:30	0.3137	107.22
159	0	2:20:37	0.3157	106.35
160	0	2:20:44	0.3177	106.35
161	0	2:20:51	0.3197	106.35
162	0	2:20:59	0.3217	106.35
163	0	2:21: 6	0.3237	107.22
164	0	2:21:13	0.3257	106.35

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
165	0	2:21:20	0.3277	106.35
166	0	2:21:27	0.3297	106.36
167	0	2:21:34	0.3317	107.22
168	0	2:21:42	0.3337	106.36
169	0	2:21:49	0.3357	106.36
170	0	2:21:56	0.3377	106.36
171	0	2:22: 3	0.3397	106.36
172	0	2:22:10	0.3417	107.23
173	0	2:22:18	0.3437	107.23
174	0	2:22:25	0.3457	107.23
175	0	2:22:32	0.3477	107.23
176	0	2:22:39	0.3497	107.23
177	0	2:22:46	0.3517	107.23
178	0	2:22:54	0.3537	107.23
179	0	2:23: 1	0.3557	107.23
180	0	2:23: 8	0.3577	107.23
181	0	2:23:15	0.3597	108.10
182	0	2:23:22	0.3617	108.10
183	0	2:23:30	0.3637	108.10
184	0	2:23:37	0.3657	108.10
185	0	2:23:44	0.3677	108.10
186	0	2:23:51	0.3697	108.10
187	0	2:23:58	0.3717	108.10
188	0	2:24: 6	0.3737	108.10
189	0	2:24:13	0.3757	108.10
190	0	2:24:20	0.3777	108.10
191	0	2:24:27	0.3797	108.10
192	0	2:24:34	0.3817	108.10
193	0	2:24:42	0.3837	108.10
194	0	2:24:49	0.3857	108.10
195	0	2:24:56	0.3877	108.97
196	0	2:25: 3	0.3897	108.97
197	0	2:25:10	0.3917	108.97
198	0	2:25:17	0.3937	108.97
199	0	2:25:25	0.3957	109.84
200	0	2:25:32	0.3977	109.84
201	0	2:25:39	0.3997	109.84
202	0	2:25:46	0.4017	109.84
203	0	2:25:53	0.4037	109.84
204	0	2:26: 1	0.4057	109.84
205	0	2:26: 8	0.4077	109.84
206	0	2:26:15	0.4097	109.84
207	0	2:26:22	0.4117	109.84
208	0	2:26:29	0.4137	109.84
209	0	2:26:37	0.4157	109.84
210	0	2:26:44	0.4176	109.84
211	0	2:26:51	0.4196	110.71
212	0	2:26:58	0.4216	110.71
213	0	2:27: 5	0.4236	110.71
214	0	2:27:13	0.4256	110.71
215	0	2:27:20	0.4276	110.71
216	0	2:27:27	0.4296	110.71
217	0	2:27:34	0.4316	110.71
218	0	2:27:41	0.4336	110.71
219	0	2:27:49	0.4356	111.58

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220	0	2:27:56	0.4376	111.58
221	0	2:28: 3	0.4396	111.58
222	0	2:28:10	0.4416	112.45
223	0	2:28:17	0.4436	112.45
224	0	2:28:25	0.4456	112.45
225	0	2:28:32	0.4476	112.45
226	0	2:28:39	0.4496	112.45
227	0	2:28:46	0.4516	112.45
228	0	2:28:53	0.4536	112.45
229	0	2:29: 0	0.4556	112.45
230	0	2:29: 8	0.4576	113.32
231	0	2:29:15	0.4596	113.32
232	0	2:29:22	0.4616	113.32
233	0	2:29:29	0.4636	113.32
234	0	2:29:36	0.4656	113.32
235	0	2:29:44	0.4676	113.32
236	0	2:29:51	0.4696	114.19
237	0	2:29:58	0.4716	114.19
238	0	2:30: 5	0.4736	115.06
239	0	2:30:12	0.4756	115.06
240	0	2:30:20	0.4776	115.06
241	0	2:30:27	0.4796	115.06
242	0	2:30:34	0.4816	115.06
243	0	2:30:41	0.4836	115.06
244	0	2:30:48	0.4856	115.93
245	0	2:30:56	0.4876	115.93
246	0	2:31: 3	0.4896	115.93
247	0	2:31:10	0.4916	115.93
248	0	2:31:17	0.4936	116.80
249	0	2:31:24	0.4956	117.67
250	0	2:31:32	0.4976	118.53
251	0	2:31:39	0.4996	119.40
252	0	2:31:46	0.5016	121.14
253	0	2:31:53	0.5036	122.00
254	0	2:32: 0	0.5056	124.61
INITIAL SHUT IN PERIOD				
255	0	2:32: 7	0.5076	126.34
256	0	2:32:15	0.5096	128.94
257	0	2:32:22	0.5116	130.68
258	0	2:32:29	0.5136	132.41
259	0	2:32:36	0.5155	134.15
260	0	2:32:43	0.5175	138.49
261	0	2:32:51	0.5195	139.35
262	0	2:32:58	0.5215	142.82
263	0	2:33: 5	0.5235	143.69
264	0	2:33:12	0.5255	148.03
265	0	2:33:19	0.5275	149.76
266	0	2:33:26	0.5295	154.97
267	0	2:33:34	0.5315	157.57
268	0	2:33:41	0.5335	163.64
269	0	2:33:48	0.5355	164.51
270	0	2:33:55	0.5375	167.98
271	0	2:34: 2	0.5395	169.72
272	0	2:34:10	0.5415	172.32
273	0	2:34:17	0.5435	174.05

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274	0	2:34:24	0.5455	177.52
275	0	2:34:31	0.5475	180.13
276	0	2:34:38	0.5495	189.67
277	0	2:34:45	0.5515	191.40
278	0	2:34:53	0.5534	196.61
279	0	2:35: 0	0.5554	200.94
280	0	2:35: 7	0.5574	207.01
281	0	2:35:14	0.5594	215.69
282	0	2:35:21	0.5614	222.63
283	0	2:35:28	0.5634	226.10
284	0	2:35:36	0.5654	236.51
285	0	2:35:43	0.5674	243.45
286	0	2:35:50	0.5694	247.78
287	0	2:35:57	0.5714	258.19
288	0	2:36: 4	0.5733	265.13
289	0	2:36:11	0.5753	274.67
290	0	2:36:19	0.5773	291.15
291	0	2:36:26	0.5793	297.22
292	0	2:36:33	0.5813	308.50
293	0	2:36:40	0.5833	319.77
294	0	2:36:47	0.5853	331.05
295	0	2:36:54	0.5873	337.99
296	0	2:37: 1	0.5892	368.35
297	0	2:37: 9	0.5912	375.28
298	0	2:37:16	0.5932	390.03
299	0	2:37:23	0.5952	403.04
300	0	2:37:30	0.5971	424.72
301	0	2:37:37	0.5991	430.80
302	0	2:37:44	0.6011	455.08
303	0	2:37:51	0.6031	467.22
304	0	2:37:59	0.6051	482.84
305	0	2:38: 6	0.6071	492.38
306	0	2:38:13	0.6090	519.27
307	0	2:38:20	0.6110	534.88
308	0	2:38:27	0.6130	560.03
309	0	2:38:34	0.6150	566.10
310	0	2:38:41	0.6169	588.65
311	0	2:38:48	0.6189	599.93
312	0	2:38:55	0.6209	626.82
313	0	2:39: 3	0.6229	638.09
314	0	2:39:10	0.6249	653.71
315	0	2:39:17	0.6268	665.85
316	0	2:39:24	0.6288	689.27
317	0	2:39:31	0.6308	692.74
318	0	2:39:38	0.6328	717.02
319	0	2:39:45	0.6348	724.83
320	0	2:39:53	0.6367	743.91
321	0	2:40: 0	0.6387	753.45
322	0	2:40: 7	0.6407	776.87
323	0	2:40:14	0.6427	794.22
324	0	2:40:21	0.6447	801.16
325	0	2:40:28	0.6467	811.57
326	0	2:40:35	0.6486	832.38
327	0	2:40:42	0.6506	836.72
328	0	2:40:50	0.6526	862.74

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
329	0	2:40:57	0.6546	867.08
330	0	2:41: 4	0.6566	880.95
331	0	2:41:11	0.6586	887.89
332	0	2:41:18	0.6605	906.11
333	0	2:41:25	0.6625	909.58
334	0	2:41:32	0.6645	923.46
335	0	2:41:40	0.6665	927.79
336	0	2:41:47	0.6685	942.54
337	0	2:41:54	0.6705	946.01
338	0	2:42: 1	0.6725	959.88
339	0	2:42: 8	0.6745	961.62
340	0	2:42:15	0.6764	978.10
341	0	2:42:23	0.6784	984.17
342	0	2:42:30	0.6804	991.11
343	0	2:42:37	0.6824	997.18
344	0	2:42:44	0.6844	1010.19
345	0	2:42:51	0.6864	1012.80
346	0	2:42:58	0.6884	1021.47
347	0	2:43: 6	0.6904	1026.67
348	0	2:43:13	0.6924	1037.08
349	0	2:43:20	0.6944	1041.42
350	0	2:43:27	0.6963	1049.23
351	0	2:43:34	0.6983	1055.30
352	0	2:43:41	0.7003	1059.63
353	0	2:43:49	0.7023	1065.71
354	0	2:43:56	0.7043	1073.51
355	0	2:44: 3	0.7063	1076.98
356	0	2:44:10	0.7083	1083.05
357	0	2:44:17	0.7103	1086.52
358	0	2:44:24	0.7123	1095.20
359	0	2:44:32	0.7143	1100.40
360	0	2:44:39	0.7163	1107.34
361	0	2:44:46	0.7183	1111.68
362	0	2:44:53	0.7202	1116.01
363	0	2:45: 0	0.7222	1117.75
364	0	2:45: 7	0.7242	1124.69
365	0	2:45:15	0.7262	1128.16
366	0	2:45:22	0.7282	1134.23
367	0	2:45:29	0.7302	1136.83
368	0	2:45:36	0.7322	1141.17
369	0	2:45:43	0.7342	1147.24
370	0	2:45:51	0.7362	1149.84
371	0	2:45:58	0.7382	1151.58
372	0	2:46: 5	0.7402	1157.65
373	0	2:46:12	0.7422	1160.25
374	0	2:46:19	0.7442	1166.33
375	0	2:46:26	0.7462	1168.93
376	0	2:46:34	0.7482	1175.00
377	0	2:46:41	0.7502	1176.73
378	0	2:46:48	0.7521	1181.94
379	0	2:46:55	0.7541	1184.54
380	0	2:47: 2	0.7561	1188.88
381	0	2:47:10	0.7581	1190.61
382	0	2:47:17	0.7601	1194.08
383	0	2:47:24	0.7621	1197.55

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
384	0	2:47:31	0.7641	1200.16
385	0	2:47:38	0.7661	1201.02
386	0	2:47:45	0.7681	1207.10
387	0	2:47:53	0.7701	1207.96
388	0	2:48: 0	0.7721	1212.30
389	0	2:48: 7	0.7741	1214.04
390	0	2:48:14	0.7761	1216.64
391	0	2:48:21	0.7781	1217.51
392	0	2:48:29	0.7801	1220.11
393	0	2:48:36	0.7821	1222.71
394	0	2:48:43	0.7841	1227.05
395	0	2:48:50	0.7861	1228.78
396	0	2:48:57	0.7881	1233.99
397	0	2:49: 4	0.7901	1234.85
398	0	2:49:12	0.7921	1236.59
399	0	2:49:19	0.7940	1238.32
400	0	2:49:26	0.7960	1240.93
401	0	2:49:33	0.7980	1242.66
402	0	2:49:40	0.8000	1246.13
403	0	2:49:48	0.8020	1247.00
404	0	2:49:55	0.8040	1249.60
405	0	2:50: 2	0.8060	1251.34
406	0	2:50: 9	0.8080	1255.67
407	0	2:50:16	0.8100	1258.28
408	0	2:50:23	0.8120	1259.14
409	0	2:50:31	0.8140	1260.01
410	0	2:50:38	0.8160	1263.48
411	0	2:50:45	0.8180	1264.35
412	0	2:50:52	0.8200	1266.95
413	0	2:50:59	0.8220	1267.82
414	0	2:51: 7	0.8240	1271.29
415	0	2:51:14	0.8260	1273.03
416	0	2:51:21	0.8280	1275.63
417	0	2:51:28	0.8300	1276.50
418	0	2:51:35	0.8320	1278.23
419	0	2:51:43	0.8340	1279.10
420	0	2:51:50	0.8360	1281.70
421	0	2:51:57	0.8380	1281.70
422	0	2:52: 4	0.8400	1286.91
423	0	2:52:11	0.8419	1287.77
424	0	2:52:18	0.8439	1288.64
425	0	2:52:26	0.8459	1289.51
426	0	2:52:33	0.8479	1291.24
427	0	2:52:40	0.8499	1292.11
428	0	2:52:47	0.8519	1293.85
429	0	2:52:54	0.8539	1295.58
430	0	2:53: 2	0.8559	1297.32
431	0	2:53: 9	0.8579	1298.18
432	0	2:53:16	0.8599	1299.92
433	0	2:53:23	0.8619	1300.79
434	0	2:53:30	0.8639	1302.52
435	0	2:53:38	0.8659	1304.26
436	0	2:53:45	0.8679	1305.99
437	0	2:53:52	0.8699	1306.86
438	0	2:53:59	0.8719	1308.60

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
439	0	2:54: 6	0.8739	1308.60
440	0	2:54:13	0.8759	1310.33
441	0	2:54:21	0.8779	1311.20
442	0	2:54:28	0.8799	1313.80
443	0	2:54:35	0.8819	1314.67
444	0	2:54:42	0.8839	1315.54
445	0	2:54:49	0.8859	1317.27
446	0	2:54:57	0.8879	1317.27
447	0	2:55: 4	0.8899	1318.14
448	0	2:55:11	0.8919	1319.01
449	0	2:55:18	0.8939	1319.88
450	0	2:55:25	0.8959	1320.74
451	0	2:55:33	0.8979	1321.61
452	0	2:55:40	0.8999	1323.35
453	0	2:55:47	0.9019	1324.21
454	0	2:55:54	0.9039	1325.95
455	0	2:56: 1	0.9059	1327.68
456	0	2:56: 8	0.9078	1329.42
457	0	2:56:16	0.9098	1329.42
458	0	2:56:23	0.9118	1331.15
459	0	2:56:30	0.9138	1332.02
460	0	2:56:37	0.9158	1334.63
461	0	2:56:44	0.9178	1335.49
462	0	2:56:52	0.9198	1336.36
463	0	2:56:59	0.9218	1337.23
464	0	2:57: 6	0.9238	1338.10
465	0	2:57:13	0.9258	1338.96
466	0	2:57:20	0.9278	1339.83
467	0	2:57:28	0.9298	1340.70
468	0	2:57:35	0.9318	1341.57
469	0	2:57:42	0.9338	1342.44
470	0	2:57:49	0.9358	1343.30
471	0	2:57:56	0.9378	1344.17
472	0	2:58: 4	0.9398	1345.04
473	0	2:58:11	0.9418	1345.04
474	0	2:58:18	0.9438	1346.77
475	0	2:58:25	0.9458	1347.64
476	0	2:58:32	0.9478	1348.51
477	0	2:58:39	0.9498	1349.38
478	0	2:58:47	0.9518	1350.24
479	0	2:58:54	0.9538	1351.11
480	0	2:59: 1	0.9558	1352.85
481	0	2:59: 8	0.9578	1353.72
482	0	2:59:15	0.9598	1354.58
483	0	2:59:23	0.9618	1355.45
484	0	2:59:30	0.9638	1356.32
485	0	2:59:37	0.9658	1357.19
486	0	2:59:44	0.9678	1358.05
487	0	2:59:51	0.9698	1358.92
488	0	2:59:59	0.9718	1359.79
489	0	3: 0: 6	0.9738	1359.79
490	0	3: 0:13	0.9758	1361.53
491	0	3: 0:20	0.9778	1361.53
492	0	3: 0:27	0.9797	1363.26
493	0	3: 0:35	0.9817	1363.26

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
494	0	3: 0:42	0.9837	1365.00
495	0	3: 0:49	0.9857	1365.00
496	0	3: 0:56	0.9877	1365.86
497	0	3: 1: 3	0.9897	1366.73
498	0	3: 1:10	0.9917	1366.73
499	0	3: 1:18	0.9937	1367.60
500	0	3: 1:25	0.9957	1368.47
501	0	3: 1:32	0.9977	1369.34
502	0	3: 1:39	0.9997	1370.20
503	0	3: 1:46	1.0017	1371.07
504	0	3: 1:54	1.0037	1371.94
505	0	3: 2: 1	1.0057	1372.81
506	0	3: 2: 8	1.0077	1373.68
507	0	3: 2:15	1.0097	1373.68
508	0	3: 2:22	1.0117	1374.54
509	0	3: 2:30	1.0137	1375.41
510	0	3: 2:37	1.0157	1376.28
511	0	3: 2:44	1.0177	1377.15
512	0	3: 2:51	1.0197	1377.15
513	0	3: 2:58	1.0217	1378.01
514	0	3: 3: 6	1.0237	1378.88
515	0	3: 3:13	1.0257	1379.75
516	0	3: 3:20	1.0277	1380.62
517	0	3: 3:27	1.0297	1380.62
518	0	3: 3:34	1.0317	1381.49
519	0	3: 3:42	1.0337	1381.49
520	0	3: 3:49	1.0357	1382.35
521	0	3: 3:56	1.0377	1382.35
522	0	3: 4: 3	1.0397	1383.22
523	0	3: 4:10	1.0417	1383.22
524	0	3: 4:17	1.0437	1384.09
525	0	3: 4:25	1.0457	1384.09
526	0	3: 4:32	1.0477	1384.96
527	0	3: 4:39	1.0497	1385.83
528	0	3: 4:46	1.0517	1386.69
529	0	3: 4:53	1.0537	1386.69
530	0	3: 5: 1	1.0556	1388.43
531	0	3: 5: 8	1.0576	1388.43
532	0	3: 5:15	1.0596	1389.30
533	0	3: 5:22	1.0616	1390.17
534	0	3: 5:29	1.0636	1390.17
535	0	3: 5:37	1.0656	1391.03
536	0	3: 5:44	1.0676	1391.90
537	0	3: 5:51	1.0696	1392.77
538	0	3: 5:58	1.0716	1392.77
539	0	3: 6: 5	1.0736	1393.64
540	0	3: 6:13	1.0756	1394.51
541	0	3: 6:20	1.0776	1394.51
542	0	3: 6:27	1.0796	1395.37
543	0	3: 6:34	1.0816	1395.37
544	0	3: 6:41	1.0836	1396.24
545	0	3: 6:48	1.0856	1396.24
546	0	3: 6:56	1.0876	1397.11
547	0	3: 7: 3	1.0896	1397.11
548	0	3: 7:10	1.0916	1397.98

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
549	0	3: 7:17	1.0936	1398.85
550	0	3: 7:24	1.0956	1399.71
551	0	3: 7:32	1.0976	1400.58
552	0	3: 7:39	1.0996	1400.58
553	0	3: 7:46	1.1016	1401.45
554	0	3: 7:53	1.1036	1402.32
555	0	3: 8: 0	1.1056	1402.32
556	0	3: 8: 8	1.1076	1403.19
557	0	3: 8:15	1.1096	1403.19
558	0	3: 8:22	1.1116	1403.19
559	0	3: 8:29	1.1136	1404.05
560	0	3: 8:36	1.1156	1404.05
561	0	3: 8:44	1.1176	1404.92
562	0	3: 8:51	1.1196	1404.92
563	0	3: 8:58	1.1216	1405.79
564	0	3: 9: 5	1.1236	1406.66
565	0	3: 9:12	1.1256	1406.66
566	0	3: 9:20	1.1276	1407.53
567	0	3: 9:27	1.1296	1407.53
568	0	3: 9:34	1.1316	1408.40
569	0	3: 9:41	1.1336	1408.40
570	0	3: 9:48	1.1356	1409.26
571	0	3: 9:55	1.1376	1409.26
572	0	3:10: 3	1.1396	1410.13
573	0	3:10:10	1.1416	1410.13
574	0	3:10:17	1.1435	1410.13
575	0	3:10:24	1.1456	1411.00
576	0	3:10:31	1.1475	1411.00
577	0	3:10:39	1.1495	1411.87
578	0	3:10:46	1.1515	1411.87
579	0	3:10:53	1.1535	1412.74
580	0	3:11: 0	1.1555	1412.74
581	0	3:11: 7	1.1575	1412.74
582	0	3:11:15	1.1595	1413.61
583	0	3:11:22	1.1615	1413.61
584	0	3:11:29	1.1635	1414.47
585	0	3:11:36	1.1655	1414.47
586	0	3:11:43	1.1675	1415.34
587	0	3:11:51	1.1695	1415.34
588	0	3:11:58	1.1715	1416.21
589	0	3:12: 5	1.1735	1416.21
590	0	3:12:12	1.1755	1417.08
591	0	3:12:19	1.1775	1417.95
592	0	3:12:26	1.1795	1417.95
593	0	3:12:34	1.1815	1418.81
594	0	3:12:41	1.1835	1418.81
595	0	3:12:48	1.1855	1419.68
596	0	3:12:55	1.1875	1420.55
597	0	3:13: 2	1.1895	1420.55
598	0	3:13:10	1.1915	1421.42
599	0	3:13:17	1.1935	1421.42
600	0	3:13:24	1.1955	1421.42
601	0	3:13:31	1.1975	1422.29
602	0	3:13:38	1.1995	1422.29
603	0	3:13:46	1.2015	1422.29

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
604	0	3:13:53	1.2035	1423.16
605	0	3:14: 0	1.2055	1423.16
606	0	3:14: 7	1.2075	1423.16
607	0	3:14:14	1.2095	1424.02
608	0	3:14:22	1.2115	1423.16
609	0	3:14:29	1.2135	1422.29
610	0	3:14:36	1.2155	1421.42
FINAL FLOW PERIOD				
611	0	3:14:48	1.2189	151.65
612	0	3:14:56	1.2209	151.65
613	0	3:15: 3	1.2229	151.65
614	0	3:15:10	1.2249	151.65
615	0	3:15:17	1.2269	151.65
616	0	3:15:24	1.2289	151.65
617	0	3:15:32	1.2309	151.65
618	0	3:15:39	1.2329	151.65
619	0	3:15:46	1.2349	149.92
620	0	3:15:53	1.2369	149.05
621	0	3:16: 0	1.2389	147.32
622	0	3:16: 8	1.2409	146.45
623	0	3:16:15	1.2429	146.45
624	0	3:16:22	1.2449	145.58
625	0	3:16:29	1.2469	145.58
626	0	3:16:36	1.2489	144.72
627	0	3:16:44	1.2509	144.72
628	0	3:16:51	1.2529	143.85
629	0	3:16:58	1.2549	143.85
630	0	3:17: 5	1.2569	143.85
631	0	3:17:12	1.2589	142.98
632	0	3:17:20	1.2609	142.98
633	0	3:17:27	1.2629	142.98
634	0	3:17:34	1.2649	142.99
635	0	3:17:41	1.2669	142.99
636	0	3:17:48	1.2689	142.12
637	0	3:17:55	1.2709	142.12
638	0	3:18: 3	1.2729	142.12
639	0	3:18:10	1.2749	142.12
640	0	3:18:17	1.2769	142.12
641	0	3:18:24	1.2789	142.12
642	0	3:18:32	1.2809	141.25
643	0	3:18:39	1.2829	141.25
644	0	3:18:46	1.2849	141.25
645	0	3:18:53	1.2869	141.26
646	0	3:19: 0	1.2889	141.26
647	0	3:19: 7	1.2909	141.26
648	0	3:19:15	1.2929	141.26
649	0	3:19:22	1.2949	140.39
650	0	3:19:29	1.2969	140.39
651	0	3:19:36	1.2989	140.39
652	0	3:19:43	1.3009	140.39
653	0	3:19:51	1.3029	140.39
654	0	3:19:58	1.3049	140.39
655	0	3:20: 5	1.3069	140.39
656	0	3:20:12	1.3089	140.39
657	0	3:20:19	1.3109	140.39

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
658	0	3:20:27	1.3129	140.39
659	0	3:20:34	1.3149	140.39
660	0	3:20:41	1.3169	140.39
661	0	3:20:48	1.3189	140.39
662	0	3:20:55	1.3209	140.40
663	0	3:21: 3	1.3229	139.53
664	0	3:21:10	1.3249	140.40
665	0	3:21:17	1.3269	140.40
666	0	3:21:24	1.3289	140.40
667	0	3:21:31	1.3309	140.40
668	0	3:21:39	1.3328	140.40
669	0	3:21:46	1.3348	139.53
670	0	3:21:53	1.3368	140.40
671	0	3:22: 0	1.3389	140.40
672	0	3:22: 7	1.3408	140.40
673	0	3:22:15	1.3428	140.40
674	0	3:22:22	1.3448	140.40
675	0	3:22:29	1.3468	140.40
676	0	3:22:36	1.3488	140.40
677	0	3:22:43	1.3508	140.40
678	0	3:22:50	1.3528	140.40
679	0	3:22:58	1.3548	140.40
680	0	3:23: 5	1.3568	140.40
681	0	3:23:12	1.3588	140.40
682	0	3:23:19	1.3608	140.40
683	0	3:23:26	1.3628	140.40
684	0	3:23:34	1.3648	140.40
685	0	3:23:41	1.3668	140.41
686	0	3:23:48	1.3688	140.41
687	0	3:23:55	1.3708	140.41
688	0	3:24: 2	1.3728	140.41
689	0	3:24:10	1.3748	140.41
690	0	3:24:17	1.3768	140.41
691	0	3:24:24	1.3788	140.41
692	0	3:24:31	1.3808	140.41
693	0	3:24:38	1.3828	140.41
694	0	3:24:46	1.3848	140.41
695	0	3:24:53	1.3868	140.41
696	0	3:25: 0	1.3888	141.28
697	0	3:25: 7	1.3908	142.15
698	0	3:25:14	1.3928	142.15
699	0	3:25:22	1.3948	142.15
700	0	3:25:29	1.3968	141.28
701	0	3:25:36	1.3988	141.28
702	0	3:25:43	1.4008	141.28
703	0	3:25:50	1.4028	141.28
704	0	3:25:58	1.4048	140.41
705	0	3:26: 5	1.4068	140.41
706	0	3:26:12	1.4088	140.41
707	0	3:26:19	1.4108	140.41
708	0	3:26:26	1.4128	140.42
709	0	3:26:34	1.4148	140.42
710	0	3:26:41	1.4168	140.42
711	0	3:26:48	1.4188	140.42
712	0	3:26:55	1.4208	140.42

WESTERN TESTING CO., INC.

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
713	0	3:27: 2	1.4228	140.42
714	0	3:27: 9	1.4248	140.42
715	0	3:27:17	1.4268	140.42
716	0	3:27:24	1.4288	140.42
717	0	3:27:31	1.4308	141.29
718	0	3:27:38	1.4328	141.29
719	0	3:27:45	1.4348	141.29
720	0	3:27:53	1.4368	141.29
721	0	3:28: 0	1.4388	141.29
722	0	3:28: 7	1.4408	141.29
723	0	3:28:14	1.4428	141.29
724	0	3:28:21	1.4448	141.29
725	0	3:28:29	1.4468	141.29
726	0	3:28:36	1.4488	141.29
727	0	3:28:43	1.4508	141.29
728	0	3:28:50	1.4527	141.29
729	0	3:28:57	1.4547	141.29
730	0	3:29: 5	1.4567	141.29
731	0	3:29:12	1.4588	141.29
732	0	3:29:19	1.4607	141.29
733	0	3:29:26	1.4627	141.29
734	0	3:29:33	1.4647	141.29
735	0	3:29:41	1.4667	142.16
736	0	3:29:48	1.4687	142.16
737	0	3:29:55	1.4707	142.16
738	0	3:30: 2	1.4727	142.16
739	0	3:30: 9	1.4747	142.16
740	0	3:30:16	1.4767	142.16
741	0	3:30:24	1.4787	142.16
742	0	3:30:31	1.4807	142.16
743	0	3:30:38	1.4827	142.17
744	0	3:30:45	1.4847	142.17
745	0	3:30:52	1.4867	142.17
746	0	3:31: 0	1.4887	142.17
747	0	3:31: 7	1.4907	143.03
748	0	3:31:14	1.4927	142.17
749	0	3:31:21	1.4947	142.17
750	0	3:31:28	1.4967	142.17
751	0	3:31:36	1.4987	142.17
752	0	3:31:43	1.5007	142.17
753	0	3:31:50	1.5027	142.17
754	0	3:31:57	1.5047	142.17
755	0	3:32: 4	1.5067	142.17
756	0	3:32:12	1.5087	142.17
757	0	3:32:19	1.5107	142.17
758	0	3:32:26	1.5127	142.17
759	0	3:32:33	1.5147	142.17
760	0	3:32:40	1.5167	142.17
761	0	3:32:48	1.5187	142.17
762	0	3:32:55	1.5207	142.17
763	0	3:33: 2	1.5227	142.17
764	0	3:33: 9	1.5247	143.04
765	0	3:33:16	1.5267	143.04
766	0	3:33:24	1.5287	143.04
767	0	3:33:31	1.5307	143.04

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
768	0	3:33:38	1.5327	143.04
769	0	3:33:45	1.5347	143.91
770	0	3:33:52	1.5367	143.91
771	0	3:34: 0	1.5387	143.91
772	0	3:34: 7	1.5407	143.91
773	0	3:34:14	1.5427	143.91
774	0	3:34:21	1.5447	143.91
775	0	3:34:28	1.5467	143.91
776	0	3:34:35	1.5487	143.91
777	0	3:34:43	1.5507	143.91
778	0	3:34:50	1.5527	143.91
779	0	3:34:57	1.5547	143.92
780	0	3:35: 4	1.5567	143.92
781	0	3:35:11	1.5587	143.92
782	0	3:35:19	1.5607	143.92
783	0	3:35:26	1.5627	143.92
784	0	3:35:33	1.5647	143.92
785	0	3:35:40	1.5667	143.92
786	0	3:35:47	1.5687	143.92
787	0	3:35:55	1.5706	143.92
788	0	3:36: 2	1.5726	143.92
789	0	3:36: 9	1.5746	143.92
790	0	3:36:16	1.5767	143.92
791	0	3:36:23	1.5786	144.79
792	0	3:36:31	1.5806	144.79
793	0	3:36:38	1.5826	144.79
794	0	3:36:45	1.5846	144.79
795	0	3:36:52	1.5866	144.79
796	0	3:36:59	1.5886	144.79
797	0	3:37: 7	1.5906	144.79
798	0	3:37:14	1.5926	144.79
799	0	3:37:21	1.5946	144.79
800	0	3:37:28	1.5966	144.79
801	0	3:37:35	1.5986	144.79
802	0	3:37:43	1.6006	144.79
803	0	3:37:50	1.6026	144.79
804	0	3:37:57	1.6046	144.79
805	0	3:38: 4	1.6066	144.79
806	0	3:38:11	1.6086	144.79
807	0	3:38:18	1.6106	144.79
808	0	3:38:26	1.6126	144.80
809	0	3:38:33	1.6146	145.66
810	0	3:38:40	1.6166	145.66
811	0	3:38:47	1.6186	145.66
812	0	3:38:54	1.6206	145.66
813	0	3:39: 2	1.6226	144.80
814	0	3:39: 9	1.6246	145.67
815	0	3:39:16	1.6266	145.67
816	0	3:39:23	1.6286	145.67
817	0	3:39:30	1.6306	145.67
818	0	3:39:38	1.6326	145.67
819	0	3:39:45	1.6346	145.67
820	0	3:39:52	1.6366	145.67
821	0	3:39:59	1.6386	145.67
822	0	3:40: 6	1.6406	145.67

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
823	0	3:40:14	1.6426	145.67
824	0	3:40:21	1.6446	145.67
825	0	3:40:28	1.6466	145.67
826	0	3:40:35	1.6486	145.67
827	0	3:40:42	1.6506	145.67
828	0	3:40:50	1.6526	146.54
829	0	3:40:57	1.6546	146.54
830	0	3:41: 4	1.6566	146.54
831	0	3:41:11	1.6586	146.54
832	0	3:41:18	1.6606	147.41
833	0	3:41:26	1.6626	147.41
834	0	3:41:33	1.6646	146.54
835	0	3:41:40	1.6666	146.54
836	0	3:41:47	1.6686	146.54
837	0	3:41:54	1.6706	146.54
838	0	3:42: 1	1.6726	146.54
839	0	3:42: 9	1.6746	146.54
840	0	3:42:16	1.6766	146.54
841	0	3:42:23	1.6786	147.41
842	0	3:42:30	1.6806	147.41
843	0	3:42:37	1.6826	147.41
844	0	3:42:45	1.6845	147.41
845	0	3:42:52	1.6866	147.41
846	0	3:42:59	1.6885	147.41
847	0	3:43: 6	1.6905	147.41
848	0	3:43:13	1.6925	147.41
849	0	3:43:21	1.6945	147.41
850	0	3:43:28	1.6965	147.42
851	0	3:43:35	1.6985	147.42
852	0	3:43:42	1.7005	147.42
853	0	3:43:49	1.7025	147.42
854	0	3:43:57	1.7045	147.42
855	0	3:44: 4	1.7065	147.42
856	0	3:44:11	1.7085	147.42
857	0	3:44:18	1.7105	147.42
858	0	3:44:25	1.7125	147.42
859	0	3:44:33	1.7145	147.42
860	0	3:44:40	1.7165	147.42
861	0	3:44:47	1.7185	147.42
862	0	3:44:54	1.7205	147.42
863	0	3:45: 1	1.7225	147.42
864	0	3:45: 9	1.7245	147.42
865	0	3:45:16	1.7265	147.42
866	0	3:45:23	1.7285	147.42
867	0	3:45:30	1.7305	147.42
868	0	3:45:37	1.7325	147.42
869	0	3:45:44	1.7345	147.42
870	0	3:45:52	1.7365	147.42
871	0	3:45:59	1.7385	147.42
872	0	3:46: 6	1.7405	147.42
873	0	3:46:13	1.7425	147.43
874	0	3:46:20	1.7445	147.43
875	0	3:46:28	1.7465	147.43
876	0	3:46:35	1.7485	148.29
877	0	3:46:42	1.7505	148.29

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
878	0	3:46:49	1.7525	148.29
879	0	3:46:56	1.7545	148.30
880	0	3:47: 4	1.7565	148.30
881	0	3:47:11	1.7585	148.30
882	0	3:47:18	1.7605	148.30
883	0	3:47:25	1.7625	148.30
884	0	3:47:32	1.7645	148.30
885	0	3:47:40	1.7665	148.30
886	0	3:47:47	1.7685	148.30
887	0	3:47:54	1.7705	148.30
888	0	3:48: 1	1.7725	148.30
889	0	3:48: 8	1.7745	148.30
890	0	3:48:16	1.7765	148.30
891	0	3:48:23	1.7785	148.30
892	0	3:48:30	1.7805	148.30
893	0	3:48:37	1.7825	149.17
894	0	3:48:44	1.7845	149.17
895	0	3:48:52	1.7865	149.17
896	0	3:48:59	1.7885	149.17
897	0	3:49: 6	1.7905	149.17
898	0	3:49:13	1.7925	149.17
899	0	3:49:20	1.7945	149.17
900	0	3:49:28	1.7965	149.17
901	0	3:49:35	1.7985	149.17
902	0	3:49:42	1.8004	149.17
903	0	3:49:49	1.8024	149.17
904	0	3:49:56	1.8044	149.17
905	0	3:50: 3	1.8065	149.17
906	0	3:50:11	1.8084	150.04
907	0	3:50:18	1.8104	150.04
908	0	3:50:25	1.8124	150.04
909	0	3:50:32	1.8144	149.18
910	0	3:50:39	1.8164	149.18
911	0	3:50:47	1.8184	149.18
912	0	3:50:54	1.8204	149.18
913	0	3:51: 1	1.8224	149.18
914	0	3:51: 8	1.8244	150.04
915	0	3:51:15	1.8264	150.05
916	0	3:51:23	1.8284	150.05
917	0	3:51:30	1.8304	150.05
918	0	3:51:37	1.8324	150.05
919	0	3:51:44	1.8344	150.05
920	0	3:51:51	1.8364	150.05
921	0	3:51:59	1.8384	150.05
922	0	3:52: 6	1.8404	150.05
923	0	3:52:13	1.8424	150.05
924	0	3:52:20	1.8444	150.05
925	0	3:52:27	1.8464	150.05
926	0	3:52:35	1.8484	150.05
927	0	3:52:42	1.8504	150.05
928	0	3:52:49	1.8524	150.05
929	0	3:52:56	1.8544	150.05
930	0	3:53: 3	1.8564	150.05
931	0	3:53:11	1.8584	150.05
932	0	3:53:18	1.8604	150.05

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
933	0	3:53:25	1.8624	150.05
934	0	3:53:32	1.8644	150.05
935	0	3:53:39	1.8664	150.05
936	0	3:53:47	1.8684	150.05
937	0	3:53:54	1.8704	150.05
938	0	3:54: 1	1.8724	150.06
939	0	3:54: 8	1.8744	150.06
940	0	3:54:15	1.8764	150.92
941	0	3:54:22	1.8784	150.92
942	0	3:54:30	1.8804	150.92
943	0	3:54:37	1.8824	150.92
944	0	3:54:44	1.8844	150.93
945	0	3:54:51	1.8864	150.93
946	0	3:54:58	1.8884	150.93
947	0	3:55: 6	1.8904	150.93
948	0	3:55:13	1.8924	150.93
949	0	3:55:20	1.8944	150.93
950	0	3:55:27	1.8964	150.93
951	0	3:55:34	1.8984	150.93
952	0	3:55:42	1.9004	150.93
953	0	3:55:49	1.9024	150.93
954	0	3:55:56	1.9044	150.93
955	0	3:56: 3	1.9064	150.93
956	0	3:56:10	1.9084	150.93
957	0	3:56:18	1.9104	150.93
958	0	3:56:25	1.9124	151.80
959	0	3:56:32	1.9144	151.80
960	0	3:56:39	1.9164	151.80
961	0	3:56:46	1.9183	151.80
962	0	3:56:54	1.9203	151.80
963	0	3:57: 1	1.9223	151.80
964	0	3:57: 8	1.9244	151.80
965	0	3:57:15	1.9263	150.93
966	0	3:57:22	1.9283	151.80
967	0	3:57:29	1.9303	151.80
968	0	3:57:37	1.9323	151.80
969	0	3:57:44	1.9343	152.67
970	0	3:57:51	1.9363	152.67
971	0	3:57:58	1.9383	152.67
972	0	3:58: 5	1.9403	152.67
973	0	3:58:13	1.9423	152.67
974	0	3:58:20	1.9443	152.67
975	0	3:58:27	1.9463	152.67
976	0	3:58:34	1.9483	152.67
977	0	3:58:41	1.9503	152.67
978	0	3:58:49	1.9523	152.67
979	0	3:58:56	1.9543	152.67
980	0	3:59: 3	1.9563	152.68
981	0	3:59:10	1.9583	153.54
982	0	3:59:17	1.9603	153.54
983	0	3:59:25	1.9623	153.54
984	0	3:59:32	1.9643	153.54
985	0	3:59:39	1.9663	153.54
986	0	3:59:46	1.9683	153.55
987	0	3:59:53	1.9703	154.41

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
988	0	4: 0: 1	1.9723	154.41
989	0	4: 0: 8	1.9743	154.41
990	0	4: 0:15	1.9763	154.41
991	0	4: 0:22	1.9783	154.41
992	0	4: 0:29	1.9803	154.42
993	0	4: 0:37	1.9823	154.42
994	0	4: 0:44	1.9843	154.42
995	0	4: 0:51	1.9863	154.42
996	0	4: 0:58	1.9883	154.42
997	0	4: 1: 5	1.9903	154.42
998	0	4: 1:13	1.9923	154.42
999	0	4: 1:20	1.9943	154.42
1000	0	4: 1:27	1.9963	155.29
1001	0	4: 1:34	1.9983	155.29
1002	0	4: 1:41	2.0003	155.29
1003	0	4: 1:48	2.0023	155.29
1004	0	4: 1:56	2.0043	155.29
1005	0	4: 2: 3	2.0063	154.42
1006	0	4: 2:10	2.0083	155.29
1007	0	4: 2:17	2.0103	155.29
1008	0	4: 2:24	2.0123	156.16
1009	0	4: 2:32	2.0143	156.16
1010	0	4: 2:39	2.0163	157.03
1011	0	4: 2:46	2.0183	157.89
1012	0	4: 2:53	2.0203	158.76
1013	0	4: 3: 0	2.0223	159.63
1014	0	4: 3: 8	2.0243	161.36
FINAL SHUT IN PERIOD				
1015	0	4: 3:15	2.0263	162.23
1016	0	4: 3:22	2.0282	165.70
1017	0	4: 3:29	2.0302	167.44
1018	0	4: 3:36	2.0322	171.77
1019	0	4: 3:43	2.0342	173.51
1020	0	4: 3:51	2.0362	175.24
1021	0	4: 3:58	2.0382	176.11
1022	0	4: 4: 5	2.0402	176.98
1023	0	4: 4:12	2.0422	178.71
1024	0	4: 4:19	2.0442	183.05
1025	0	4: 4:27	2.0462	184.79
1026	0	4: 4:34	2.0482	189.99
1027	0	4: 4:41	2.0502	192.59
1028	0	4: 4:48	2.0522	202.13
1029	0	4: 4:55	2.0542	203.87
1030	0	4: 5: 2	2.0562	207.34
1031	0	4: 5:10	2.0582	209.94
1032	0	4: 5:17	2.0602	218.62
1033	0	4: 5:24	2.0622	222.08
1034	0	4: 5:31	2.0641	228.16
1035	0	4: 5:38	2.0661	232.49
1036	0	4: 5:46	2.0681	242.03
1037	0	4: 5:53	2.0701	250.71
1038	0	4: 6: 0	2.0721	255.91
1039	0	4: 6: 7	2.0741	261.98
1040	0	4: 6:14	2.0761	272.39
1041	0	4: 6:21	2.0781	275.86

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1042	0	4: 6:28	2.0801	290.61
1043	0	4: 6:36	2.0821	294.08
1044	0	4: 6:43	2.0840	303.62
1045	0	4: 6:50	2.0860	308.82
1046	0	4: 6:57	2.0880	324.44
1047	0	4: 7: 4	2.0900	343.52
1048	0	4: 7:11	2.0920	350.46
1049	0	4: 7:19	2.0940	355.66
1050	0	4: 7:26	2.0959	379.95
1051	0	4: 7:33	2.0979	389.49
1052	0	4: 7:40	2.0999	399.03
1053	0	4: 7:47	2.1019	410.30
1054	0	4: 7:54	2.1039	427.65
1055	0	4: 8: 1	2.1059	433.72
1056	0	4: 8: 9	2.1079	452.81
1057	0	4: 8:16	2.1098	468.42
1058	0	4: 8:23	2.1118	477.96
1059	0	4: 8:30	2.1138	487.50
1060	0	4: 8:37	2.1158	509.18
1061	0	4: 8:44	2.1178	515.26
1062	0	4: 8:51	2.1198	526.53
1063	0	4: 8:59	2.1217	540.41
1064	0	4: 9: 6	2.1237	557.76
1065	0	4: 9:13	2.1257	562.96
1066	0	4: 9:20	2.1277	580.31
1067	0	4: 9:27	2.1297	582.04
1068	0	4: 9:34	2.1317	602.86
1069	0	4: 9:41	2.1337	605.46
1070	0	4: 9:49	2.1356	622.81
1071	0	4: 9:56	2.1376	638.42
1072	0	4:10: 3	2.1396	645.36
1073	0	4:10:10	2.1416	653.17
1074	0	4:10:17	2.1436	669.65
1075	0	4:10:24	2.1456	675.72
1076	0	4:10:31	2.1475	692.20
1077	0	4:10:39	2.1495	693.93
1078	0	4:10:46	2.1515	718.22
1079	0	4:10:53	2.1535	719.95
1080	0	4:11: 0	2.1555	733.83
1081	0	4:11: 7	2.1575	736.43
1082	0	4:11:14	2.1595	748.58
1083	0	4:11:22	2.1615	757.25
1084	0	4:11:29	2.1634	765.92
1085	0	4:11:36	2.1654	772.00
1086	0	4:11:43	2.1674	785.87
1087	0	4:11:50	2.1694	787.61
1088	0	4:11:57	2.1714	798.88
1089	0	4:12: 4	2.1734	804.09
1090	0	4:12:12	2.1754	812.76
1091	0	4:12:19	2.1774	817.97
1092	0	4:12:26	2.1794	832.71
1093	0	4:12:33	2.1813	838.78
1094	0	4:12:40	2.1833	843.99
1095	0	4:12:47	2.1853	849.19
1096	0	4:12:55	2.1873	857.00

WESTERN TESTING CO., INC.

Company: NOBEL PETROLEUM INC.
Well: KRUG # 1 DST # 1
Field: Field Name

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1097	0	4:13: 2	2.1893	867.41
1098	0	4:13: 9	2.1913	869.14
1099	0	4:13:16	2.1933	871.75
1100	0	4:13:23	2.1953	881.29
1101	0	4:13:30	2.1973	886.49
1102	0	4:13:38	2.1993	896.03
1103	0	4:13:45	2.2013	897.77
1104	0	4:13:52	2.2033	906.44
1105	0	4:13:59	2.2052	909.91
1106	0	4:14: 6	2.2072	915.98
1107	0	4:14:13	2.2092	918.59
1108	0	4:14:21	2.2112	925.52
1109	0	4:14:28	2.2132	928.99
1110	0	4:14:35	2.2152	932.46
1111	0	4:14:42	2.2172	934.20
1112	0	4:14:49	2.2192	939.40
1113	0	4:14:57	2.2212	945.47
1114	0	4:15: 4	2.2232	951.55
1115	0	4:15:11	2.2252	963.69
1116	0	4:15:18	2.2272	964.56
1117	0	4:15:25	2.2292	964.56
1118	0	4:15:32	2.2312	966.29
1119	0	4:15:40	2.2332	968.90
1120	0	4:15:47	2.2352	973.23
1121	0	4:15:54	2.2371	976.70
1122	0	4:16: 1	2.2391	984.51
1123	0	4:16: 8	2.2411	986.24
1124	0	4:16:15	2.2431	990.58
1125	0	4:16:23	2.2451	993.18
1126	0	4:16:30	2.2471	998.39
1127	0	4:16:37	2.2491	1000.99
1128	0	4:16:44	2.2511	1007.93
1129	0	4:16:51	2.2531	1008.80
1130	0	4:16:59	2.2551	1011.40
1131	0	4:17: 6	2.2571	1013.13
1132	0	4:17:13	2.2591	1019.21
1133	0	4:17:20	2.2611	1022.68
1134	0	4:17:27	2.2631	1024.41
1135	0	4:17:34	2.2651	1026.15
1136	0	4:17:42	2.2671	1032.22
1137	0	4:17:49	2.2691	1033.95
1138	0	4:17:56	2.2710	1038.29
1139	0	4:18: 3	2.2730	1040.03
1140	0	4:18:10	2.2750	1042.63
1141	0	4:18:18	2.2770	1044.36
1142	0	4:18:25	2.2790	1046.97
1143	0	4:18:32	2.2810	1048.70
1144	0	4:18:39	2.2830	1052.17
1145	0	4:18:46	2.2850	1053.91
1146	0	4:18:53	2.2870	1058.24
1147	0	4:19: 1	2.2890	1059.98
1148	0	4:19: 8	2.2910	1061.71
1149	0	4:19:15	2.2930	1063.45
1150	0	4:19:22	2.2950	1066.05
1151	0	4:19:29	2.2970	1067.79

WESTERN TESTING CO., INC.

Company: NOBEL PETROLEUM INC.
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1152	0	4:19:37	2.2990	1070.39
1153	0	4:19:44	2.3010	1071.26
1154	0	4:19:51	2.3030	1072.99
1155	0	4:19:58	2.3050	1073.86
1156	0	4:20: 5	2.3070	1078.20
1157	0	4:20:13	2.3090	1079.93
1158	0	4:20:20	2.3110	1082.53
1159	0	4:20:27	2.3130	1084.27
1160	0	4:20:34	2.3149	1086.87
1161	0	4:20:41	2.3170	1087.74
1162	0	4:20:48	2.3189	1089.47
1163	0	4:20:56	2.3209	1090.34
1164	0	4:21: 3	2.3229	1092.08
1165	0	4:21:10	2.3249	1093.81
1166	0	4:21:17	2.3269	1096.41
1167	0	4:21:24	2.3289	1098.15
1168	0	4:21:32	2.3309	1100.75
1169	0	4:21:39	2.3329	1101.62
1170	0	4:21:46	2.3349	1104.22
1171	0	4:21:53	2.3369	1105.09
1172	0	4:22: 0	2.3389	1106.82
1173	0	4:22: 8	2.3409	1107.69
1174	0	4:22:15	2.3429	1110.29
1175	0	4:22:22	2.3449	1111.16
1176	0	4:22:29	2.3469	1113.76
1177	0	4:22:36	2.3489	1115.50
1178	0	4:22:43	2.3509	1117.23
1179	0	4:22:51	2.3529	1118.10
1180	0	4:22:58	2.3549	1119.84
1181	0	4:23: 5	2.3569	1120.71
1182	0	4:23:12	2.3589	1122.44
1183	0	4:23:19	2.3609	1124.18
1184	0	4:23:27	2.3629	1125.91
1185	0	4:23:34	2.3649	1126.78
1186	0	4:23:41	2.3669	1128.51
1187	0	4:23:48	2.3689	1129.38
1188	0	4:23:55	2.3709	1131.12
1189	0	4:24: 3	2.3729	1132.85
1190	0	4:24:10	2.3748	1135.45
1191	0	4:24:17	2.3768	1136.32
1192	0	4:24:24	2.3788	1137.19
1193	0	4:24:31	2.3808	1138.06
1194	0	4:24:38	2.3828	1139.79
1195	0	4:24:46	2.3848	1140.66
1196	0	4:24:53	2.3868	1142.40
1197	0	4:25: 0	2.3888	1144.13
1198	0	4:25: 7	2.3908	1145.00
1199	0	4:25:14	2.3928	1145.87
1200	0	4:25:22	2.3948	1147.60
1201	0	4:25:29	2.3968	1148.47
1202	0	4:25:36	2.3988	1150.20
1203	0	4:25:43	2.4008	1151.07
1204	0	4:25:50	2.4028	1152.81
1205	0	4:25:58	2.4048	1154.54
1206	0	4:26: 5	2.4068	1156.28

WESTERN TESTING CO., INC.

Company: NOBEL PETROLEUM INC.
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1207	0	4:26:12	2.4088	1157.14
1208	0	4:26:19	2.4108	1158.88
1209	0	4:26:26	2.4128	1159.75
1210	0	4:26:33	2.4148	1162.35
1211	0	4:26:41	2.4168	1163.22
1212	0	4:26:48	2.4188	1164.09
1213	0	4:26:55	2.4208	1164.95
1214	0	4:27: 2	2.4228	1165.82
1215	0	4:27: 9	2.4248	1166.69
1216	0	4:27:17	2.4268	1169.29
1217	0	4:27:24	2.4288	1170.16
1218	0	4:27:31	2.4308	1171.03
1219	0	4:27:38	2.4327	1171.89
1220	0	4:27:45	2.4348	1173.63
1221	0	4:27:53	2.4368	1174.50
1222	0	4:28: 0	2.4387	1175.37
1223	0	4:28: 7	2.4407	1176.23
1224	0	4:28:14	2.4427	1177.10
1225	0	4:28:21	2.4447	1177.10
1226	0	4:28:28	2.4467	1178.84
1227	0	4:28:36	2.4487	1179.70
1228	0	4:28:43	2.4507	1180.57
1229	0	4:28:50	2.4527	1181.44
1230	0	4:28:57	2.4547	1182.31
1231	0	4:29: 4	2.4567	1183.18
1232	0	4:29:12	2.4587	1184.04
1233	0	4:29:19	2.4607	1184.04
1234	0	4:29:26	2.4627	1184.91
1235	0	4:29:33	2.4647	1185.78
1236	0	4:29:40	2.4667	1186.65
1237	0	4:29:48	2.4687	1187.51
1238	0	4:29:55	2.4707	1189.25
1239	0	4:30: 2	2.4727	1190.12
1240	0	4:30: 9	2.4747	1190.98
1241	0	4:30:16	2.4767	1191.85
1242	0	4:30:24	2.4787	1192.72
1243	0	4:30:31	2.4807	1193.59
1244	0	4:30:38	2.4827	1194.46
1245	0	4:30:45	2.4847	1194.46
1246	0	4:30:52	2.4867	1196.19
1247	0	4:31: 0	2.4887	1196.19
1248	0	4:31: 7	2.4907	1197.93
1249	0	4:31:14	2.4927	1197.93
1250	0	4:31:21	2.4947	1198.80
1251	0	4:31:28	2.4967	1199.66
1252	0	4:31:35	2.4987	1200.53
1253	0	4:31:43	2.5007	1201.40
1254	0	4:31:50	2.5027	1202.27
1255	0	4:31:57	2.5047	1202.27
1256	0	4:32: 4	2.5067	1203.13
1257	0	4:32:11	2.5087	1204.00
1258	0	4:32:19	2.5107	1205.74
1259	0	4:32:26	2.5127	1206.61
1260	0	4:32:33	2.5146	1207.47
1261	0	4:32:40	2.5166	1207.47

WESTERN TESTING CO., INC.

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1262	0	4:32:47	2.5186	1208.34
1263	0	4:32:55	2.5206	1209.21
1264	0	4:33: 2	2.5226	1210.08
1265	0	4:33: 9	2.5246	1210.94
1266	0	4:33:16	2.5266	1211.81
1267	0	4:33:23	2.5286	1212.68
1268	0	4:33:30	2.5306	1213.55
1269	0	4:33:38	2.5326	1214.42
1270	0	4:33:45	2.5346	1215.28
1271	0	4:33:52	2.5366	1215.28
1272	0	4:33:59	2.5386	1216.15
1273	0	4:34: 6	2.5406	1217.02
1274	0	4:34:14	2.5426	1217.89
1275	0	4:34:21	2.5446	1218.75
1276	0	4:34:28	2.5466	1218.76
1277	0	4:34:35	2.5486	1219.62
1278	0	4:34:42	2.5506	1220.49
1279	0	4:34:50	2.5526	1221.36
1280	0	4:34:57	2.5546	1221.36
1281	0	4:35: 4	2.5566	1222.23
1282	0	4:35:11	2.5586	1223.09
1283	0	4:35:18	2.5606	1223.09
1284	0	4:35:26	2.5626	1223.96
1285	0	4:35:33	2.5646	1224.83
1286	0	4:35:40	2.5666	1225.70
1287	0	4:35:47	2.5686	1226.57
1288	0	4:35:54	2.5706	1227.43
1289	0	4:36: 2	2.5726	1228.30
1290	0	4:36: 9	2.5746	1229.17
1291	0	4:36:16	2.5766	1230.04
1292	0	4:36:23	2.5786	1230.90
1293	0	4:36:30	2.5806	1230.91
1294	0	4:36:37	2.5826	1231.77
1295	0	4:36:45	2.5846	1231.77
1296	0	4:36:52	2.5866	1232.64
1297	0	4:36:59	2.5886	1232.64
1298	0	4:37: 6	2.5906	1233.51
1299	0	4:37:13	2.5926	1234.38
1300	0	4:37:21	2.5946	1234.38
1301	0	4:37:28	2.5965	1235.25
1302	0	4:37:35	2.5985	1236.11
1303	0	4:37:42	2.6005	1236.11
1304	0	4:37:49	2.6025	1236.98
1305	0	4:37:57	2.6045	1237.85
1306	0	4:38: 4	2.6065	1238.72
1307	0	4:38:11	2.6085	1239.58
1308	0	4:38:18	2.6105	1240.45
1309	0	4:38:25	2.6125	1240.45
1310	0	4:38:33	2.6145	1241.32
1311	0	4:38:40	2.6165	1242.19
1312	0	4:38:47	2.6185	1242.19
1313	0	4:38:54	2.6205	1242.19
1314	0	4:39: 1	2.6225	1243.06
1315	0	4:39: 8	2.6245	1243.92
1316	0	4:39:16	2.6265	1243.93

WESTERN TESTING CO., INC.

Company: NOBEL PETROLEUM INC.
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Field: Field Name

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1317	0	4:39:23	2.6285	1244.79
1318	0	4:39:30	2.6305	1245.66
1319	0	4:39:37	2.6325	1245.66
1320	0	4:39:44	2.6345	1246.53
1321	0	4:39:52	2.6365	1246.53
1322	0	4:39:59	2.6385	1247.40
1323	0	4:40: 6	2.6405	1247.40
1324	0	4:40:13	2.6425	1247.40
1325	0	4:40:20	2.6445	1248.27
1326	0	4:40:28	2.6465	1249.13
1327	0	4:40:35	2.6485	1249.13
1328	0	4:40:42	2.6505	1250.00
1329	0	4:40:49	2.6525	1250.00
1330	0	4:40:56	2.6545	1250.87
1331	0	4:41: 4	2.6565	1250.87
1332	0	4:41:11	2.6585	1251.74
1333	0	4:41:18	2.6605	1251.74
1334	0	4:41:25	2.6625	1252.61
1335	0	4:41:32	2.6645	1253.47
1336	0	4:41:40	2.6665	1253.47
1337	0	4:41:47	2.6685	1254.34
1338	0	4:41:54	2.6705	1254.34
1339	0	4:42: 1	2.6725	1255.21
1340	0	4:42: 8	2.6745	1255.21
1341	0	4:42:15	2.6765	1256.08
1342	0	4:42:23	2.6785	1256.08
1343	0	4:42:30	2.6805	1256.95
1344	0	4:42:37	2.6825	1257.81
1345	0	4:42:44	2.6844	1257.81
1346	0	4:42:51	2.6864	1258.68
1347	0	4:42:59	2.6884	1259.55
1348	0	4:43: 6	2.6904	1259.55
1349	0	4:43:13	2.6924	1259.55
1350	0	4:43:20	2.6944	1260.42
1351	0	4:43:27	2.6964	1260.42
1352	0	4:43:35	2.6984	1261.29
1353	0	4:43:42	2.7004	1261.29
1354	0	4:43:49	2.7024	1262.16
1355	0	4:43:56	2.7044	1262.16
1356	0	4:44: 3	2.7064	1263.02
1357	0	4:44:11	2.7084	1263.02
1358	0	4:44:18	2.7104	1263.02
1359	0	4:44:25	2.7124	1263.89
1360	0	4:44:32	2.7144	1264.76
1361	0	4:44:39	2.7164	1264.76
1362	0	4:44:47	2.7184	1265.63
1363	0	4:44:54	2.7204	1265.63
1364	0	4:45: 1	2.7224	1265.63
1365	0	4:45: 8	2.7244	1266.50
1366	0	4:45:15	2.7264	1266.50
1367	0	4:45:22	2.7284	1266.50
1368	0	4:45:30	2.7304	1267.37
1369	0	4:45:37	2.7324	1267.37
1370	0	4:45:44	2.7344	1267.37
1371	0	4:45:51	2.7364	1267.37

WESTERN TESTING CO., INC.

Company: NOBEL PETROLEUM INC.
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Field: Field Name

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1372	0	4:45:58	2.7384	1267.37
1373	0	4:46: 6	2.7404	1267.37
1374	0	4:46:13	2.7424	1267.37

WESTERN TESTING CO., INC.

Company: NOBLE PETROLEUM INC.

Well: KRUG # 1 DST # 1

Field: Field Name

01/27/1996

Gauge Depth 4142.0 feet

[INPUT PARAMETERS]
(Build-Up Analysis)

Well Type - OIL

Reservoir Pressure	psia	P	1561
Reservoir Temperature	Deg F	T	111
Final Shut-in Pressure	psia	Psi	1267
Final Flowing Pressure	psia	Pwf	161
Oil Flow Rate	STB/D	Qo	31
Sand Thickness	feet	hnet	4
Wellbore Radius	feet	rw	0.3280
Formation Porosity	%	POR	11
Extrapolated Pressure	psia	P*	1561
Extrapolated Press @ 1hr	psia	Plhr	1325
Semi-Log Slope	psi/cycle	M	-494.670
Production Time	hrs	tp	45.00
Shut-in Time	hrs	tsi	45.00

Uo (cp) 3.9597E+00

Co (1/psi) 3.7929E-06

Bo (RB/STB) 1.0711E+00

Ct (1/psi) 7.1111E-06

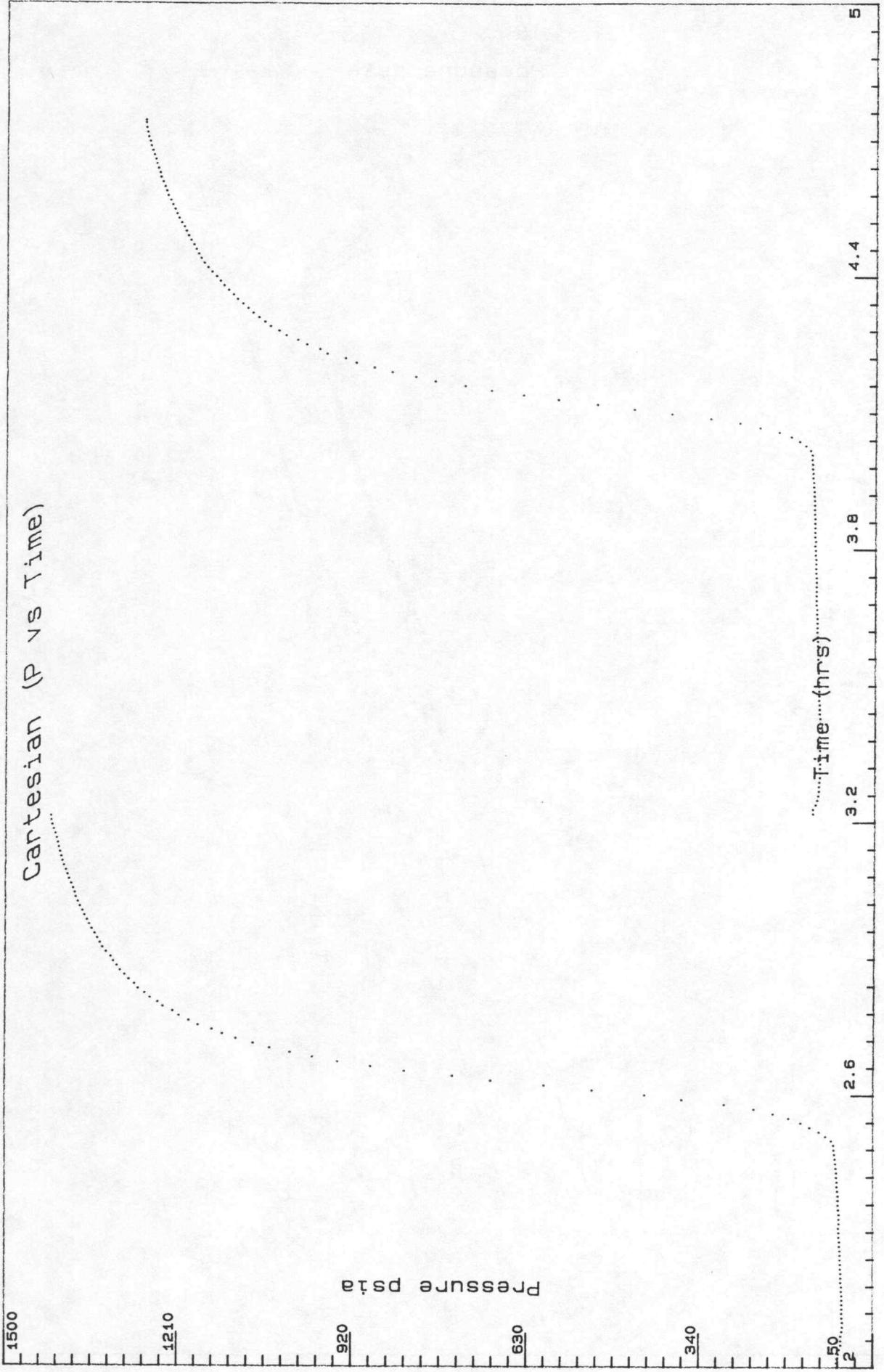
[CALCULATED RESULTS]

(Semi-Log) Analysis

Pressure Method

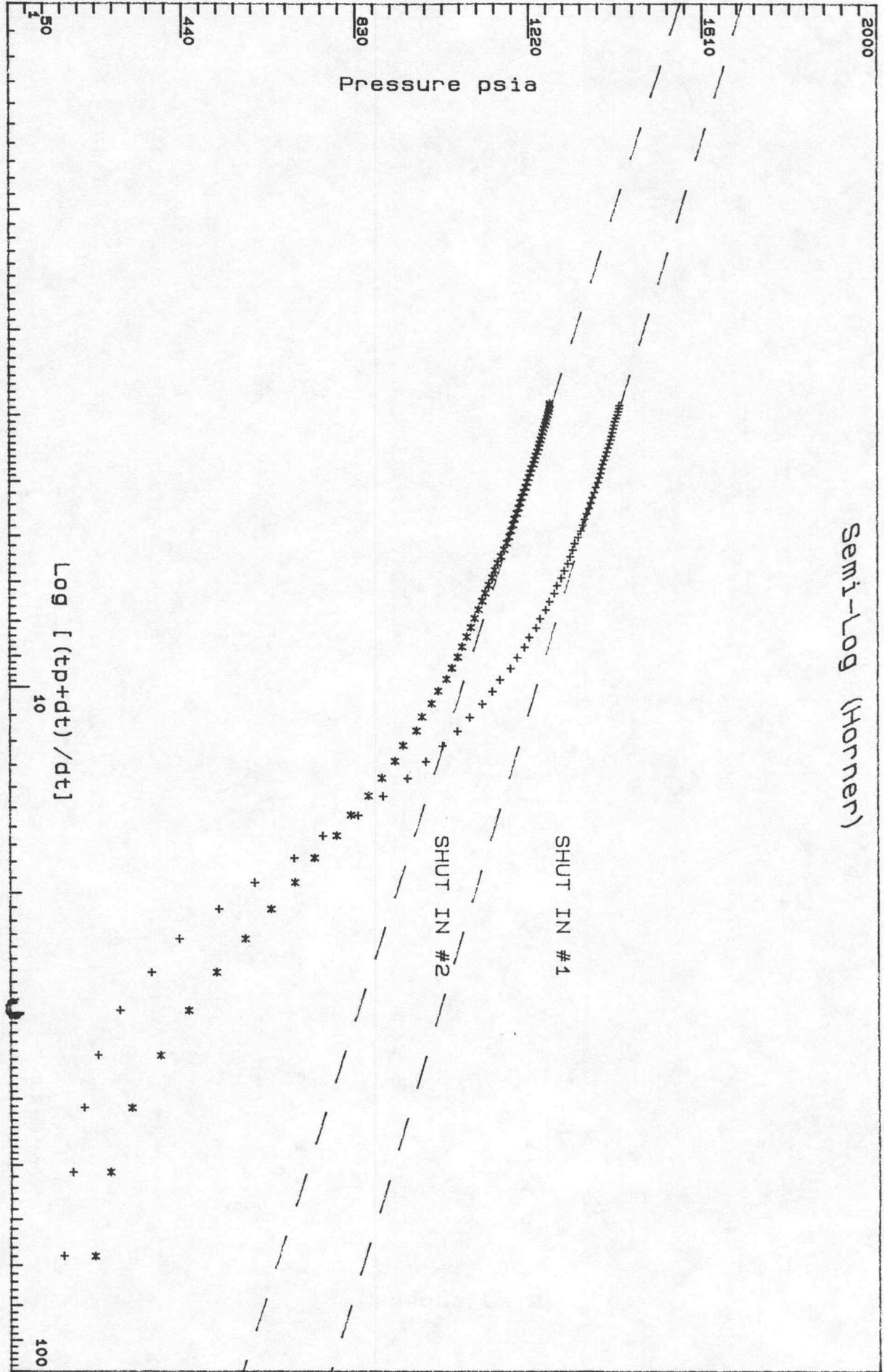
Transmissibility	md-ft/cp	kh/u	10.823
Flow Capacity	md-ft	kh	42.854
Permeability	md	k	10.714
Skin Damage	total	S	-2.22
Pressure Drop due to Skin	psia	dP	+0.00
Flow Efficiency	%	FE	+100.00
Drainage Radius	feet	rd	362

WESTERN TESTING CO., INC.



Company: NOBLE PETROLEUM INC.
 Well: KRUG # 1 DST # 1
 Field: Field Name
 Date: 01/27/1996

Semi-Log (Horner)



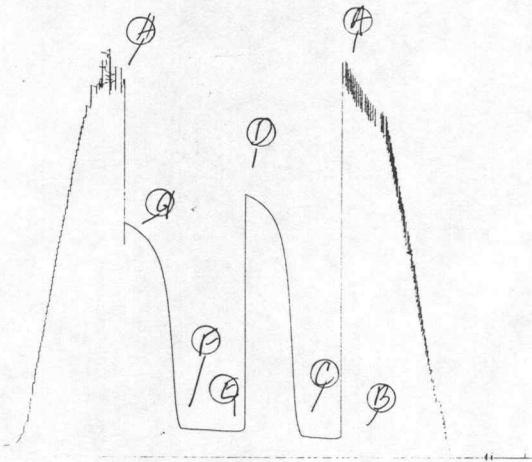
Company: NOBLE PETROLEUM INC.
 Well: KRUG # 1 DST # 1
 Field: Field Name
 Date: 01/27/1996

+ = INITIAL SHUT IN * = FINAL SHUT IN
 M = -464.974 M = -496.670
 P1HR = 1477 P1HR = 1325
 P* = 1698 P* = 1561

TK# 21617

I.

OST# 1
10270

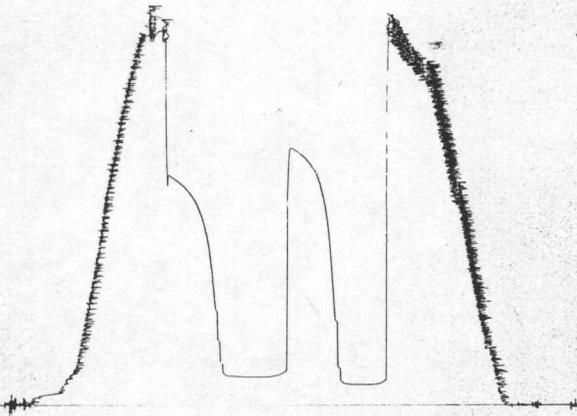


Inside Recorder

TK# 21617

O.

OST# 1
13530



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 1-28-96
CUSTOMER : NOBLE PETROLEUM INC.
WELL : #1 TEST: 2
ELEVATION: 2400 K.B.
SECTION : 35
RANGE : 25W COUNTY: NESS
GAUGE SN#: 10270 RANGE : 4150
TICKET : 21618
LEASE : KRUG
GEOLOGIST: JERRY HONAS
FORMATION: FORT SCOTT
TOWNSHIP : 17S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4235.00 ft TO: 4295.00 ft TVD: 4295.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4287.0 ft 4290.0 ft
TEMPERATURE: 114.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4215.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 60.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 4230.0 ft SIZE: 6.630 in
PACKER DEPTH: 4235.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : DUKE #4
MUD TYPE : CHEMICAL VISCOSITY : 52.00 cp
WEIGHT : 8.900 ppg WATER LOSS: 10.500 cc
CHLORIDES : 9000 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

WEAK BLOW THROUGHOUT .25" TO 1.5" BLOW ON INITIAL
FLOW PERIOD. WEAK BLOW THROUGHOUT 1.5" BLOW ON
FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	%	%	%	%	Comments
Oil	Gas	Water	Mud		
25.0	1.0	0.0	0.0	99.0	SLI. OIL CUT MUD

RATE INFORMATION

OIL VOLUME: 0.0035 STB	TOTAL FLOW TIME: 75.0000 min.
GAS VOLUME: 0.0000 SCF	AVERAGE OIL RATE: 6.7327 STB/D
MUD VOLUME: 0.3472 STB	AVERAGE WATER RATE: 0.0000 STB/D
WATER VOLUME: 0.0000 STB	
TOTAL FLUID : 0.3507 STB	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2139.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	62.00	52.00
INITIAL SHUT-IN	45.00		593.00
FINAL FLOW	45.00	62.00	52.00
FINAL SHUT-IN	45.00		541.00

FINAL HYDROSTATIC PRESSURE: 2097.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2148.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	101.44	70.95
INITIAL SHUT-IN	45.00		576.82
FINAL FLOW	45.00	112.89	72.06
FINAL SHUT-IN	45.00		489.04

FINAL HYDROSTATIC PRESSURE: 2126.00

Company: NOBLE PETROLEUM INC.
 Well: KRUG # 1 DST # 2
 Field: Field Name

[Sunday: Jan. 28, 1996]
 Page 1

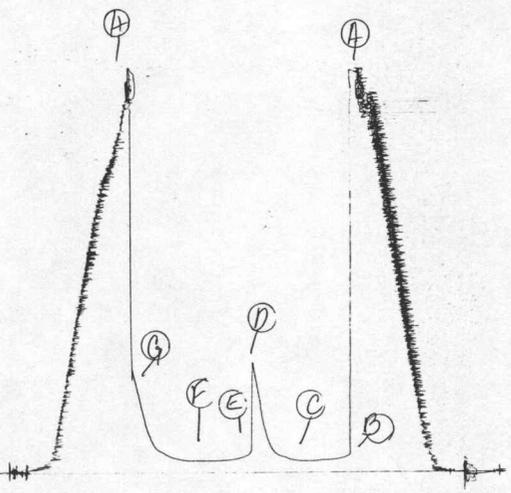
REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)

INITIAL FLOW PERIOD				
1	0	12: 0: 0	0.0000	101.44
34	0	12: 0:30	0.0083	87.70
68	0	12: 1: 1	0.0168	80.05
102	0	12: 1:31	0.0253	74.99
136	0	12: 2: 2	0.0338	72.54
170	0	12: 2:32	0.0423	70.95
INITIAL SHUT IN PERIOD				
197	0	12: 2:57	0.0490	70.21
204	0	12: 3: 3	0.0507	69.37
238	0	12: 3:34	0.0592	66.92
272	0	12: 4: 4	0.0677	67.07
306	0	12: 4:35	0.0762	67.22
340	0	12: 5: 5	0.0847	69.97
374	0	12: 5:36	0.0932	74.45
408	0	12: 6: 6	0.1017	85.88
442	0	12: 6:37	0.1102	94.70
476	0	12: 7: 7	0.1186	112.20
510	0	12: 7:38	0.1271	153.98
544	0	12: 8: 8	0.1354	245.20
579	0	12: 8:38	0.1439	413.61
614	0	12: 9: 9	0.1524	576.82
FINAL FLOW PERIOD				
624	0	12: 9:29	0.1578	112.89
636	0	12: 9:39	0.1609	108.60
670	0	12:10:10	0.1694	90.54
704	0	12:10:41	0.1779	82.88
738	0	12:11:11	0.1864	76.96
772	0	12:11:42	0.1949	72.77
806	0	12:12:12	0.2034	72.06
FINAL SHUT IN PERIOD				
821	0	12:12:26	0.2071	71.25
840	0	12:12:43	0.2119	70.47
874	0	12:13:14	0.2204	68.89
908	0	12:13:44	0.2289	69.03
942	0	12:14:15	0.2374	69.18
976	0	12:14:45	0.2458	69.33
1010	0	12:15:16	0.2543	69.48
1044	0	12:15:47	0.2628	72.23
1078	0	12:16:17	0.2713	77.59
1112	0	12:16:48	0.2798	83.81
1146	0	12:17:18	0.2883	95.23
1180	0	12:17:49	0.2967	112.73
1214	0	12:18:19	0.3052	128.49
1248	0	12:18:49	0.3136	167.67
1282	0	12:19:20	0.3220	238.94
1317	0	12:19:51	0.3306	352.71
1352	0	12:20:21	0.3392	489.04

WESTERN TESTING CO., INC.

TK# 21618
I

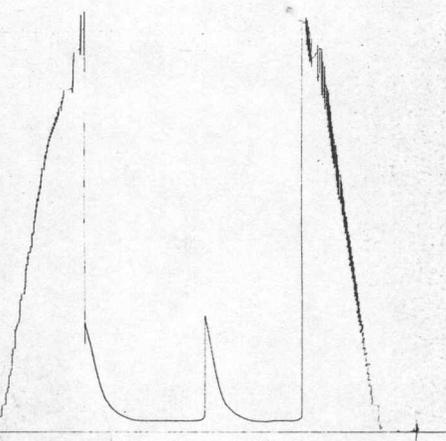
OST# 2
10270



Inside Recorder

TK# 21618
O₁

OST# 2
13550



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 1-29-96
CUSTOMER : NOBLE PETROLEUM INC.
WELL : #1 TEST: 3
ELEVATION: 2400 K.B.
SECTION : 35
RANGE : 25W COUNTY: NESS
GAUGE SN#: 10270 RANGE : 4150
TICKET : 21619
LEASE : KRUG
GEOLOGIST: JERRY HONAS
FORMATION: MISSISSIPPI
TOWNSHIP : 17S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4314.00 ft TO: 4357.00 ft TVD: 4357.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4318.0 ft 4321.0 ft
TEMPERATURE: 114.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4294.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 43.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 4309.0 ft SIZE: 6.630 in
PACKER DEPTH: 4314.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : DUKE #4
MUD TYPE : CHEMICAL
WEIGHT : 9.000 ppg
CHLORIDES : 9000 ppm
JARS-MAKE :
DID WELL FLOW?: NO
VISCOSITY : 57.00 cp
WATER LOSS: 12.800 cc
SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

WEAK BLOW THOROUGHOUT .25" TO .50" BLOW ON INITIAL
FLOW PERIOD. NO BLOW ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	0.5	0.0	0.0	99.5	MUD W/SHOW OF OIL LESS THAN 1% OIL
0.0	0.0	0.0	0.0	0.0	

RATE INFORMATION

OIL VOLUME:	0.0004	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.0698	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	0.0701	STB		
			TOTAL FLOW TIME:	35.0000 min.
			AVERAGE OIL RATE:	2.8854 STB/D
			AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2129.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	10.00	10.00
INITIAL SHUT-IN	30.00		20.00
FINAL FLOW	5.00	10.00	10.00
FINAL SHUT-IN	30.00		10.00

FINAL HYDROSTATIC PRESSURE: 2118.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2125.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	42.92	14.66
INITIAL SHUT-IN	30.00		19.27
FINAL FLOW	5.00	17.46	15.46
FINAL SHUT-IN	30.00		24.49

FINAL HYDROSTATIC PRESSURE: 2112.00

Company: NOBLE PETROLEUM INC.
 Well: KRUG # 1 DST # 3
 Field: Field Name

[Monday: Jan. 29, 1996]
 Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)

INITIAL FLOW PERIOD				
1	0	15:45: 4	0.0000	42.92
9	0	15:46: 0	0.0158	35.04
18	0	15:47: 5	0.0336	28.89
27	0	15:48: 9	0.0515	25.33
36	0	15:49:14	0.0695	22.65
45	0	15:50:18	0.0874	20.83
54	0	15:51:23	0.1054	19.88
63	0	15:52:27	0.1233	17.20
72	0	15:53:32	0.1413	17.98
81	0	15:54:37	0.1593	17.90
90	0	15:55:42	0.1772	16.95
99	0	15:56:46	0.1952	16.86
108	0	15:57:51	0.2132	16.78
117	0	15:58:56	0.2312	16.69
126	0	16: 0: 0	0.2491	15.74
135	0	16: 1: 5	0.2671	15.66
144	0	16: 2:10	0.2851	15.58
153	0	16: 3:15	0.3031	15.49
162	0	16: 4:19	0.3211	14.54
171	0	16: 5:24	0.3390	14.46
180	0	16: 6:29	0.3570	15.24
189	0	16: 7:34	0.3750	15.16
198	0	16: 8:38	0.3930	15.08
207	0	16: 9:43	0.4110	14.99
216	0	16:10:48	0.4290	14.91
225	0	16:11:53	0.4470	14.83
234	0	16:12:57	0.4650	14.74
243	0	16:14: 2	0.4829	14.66
INITIAL SHUT IN PERIOD				
252	0	16:15: 7	0.5009	14.58
261	0	16:16:12	0.5189	14.49
270	0	16:17:16	0.5369	15.28
279	0	16:18:21	0.5549	16.06
288	0	16:19:26	0.5729	15.98
297	0	16:20:31	0.5909	15.90
306	0	16:21:35	0.6089	15.81
315	0	16:22:40	0.6269	15.73
324	0	16:23:45	0.6449	17.38
333	0	16:24:50	0.6629	18.16
342	0	16:25:55	0.6809	18.08
351	0	16:26:59	0.6988	18.00
360	0	16:28: 4	0.7169	19.65
369	0	16:29: 9	0.7349	21.30
378	0	16:30:14	0.7529	22.08
387	0	16:31:19	0.7709	22.87
396	0	16:32:24	0.7889	23.65
405	0	16:33:29	0.8069	25.30
414	0	16:34:33	0.8249	26.09
423	0	16:35:38	0.8429	26.87
432	0	16:36:43	0.8609	26.79
441	0	16:37:48	0.8789	27.57
450	0	16:38:53	0.8970	30.09
459	0	16:39:58	0.9150	31.74
468	0	16:41: 2	0.9329	27.32

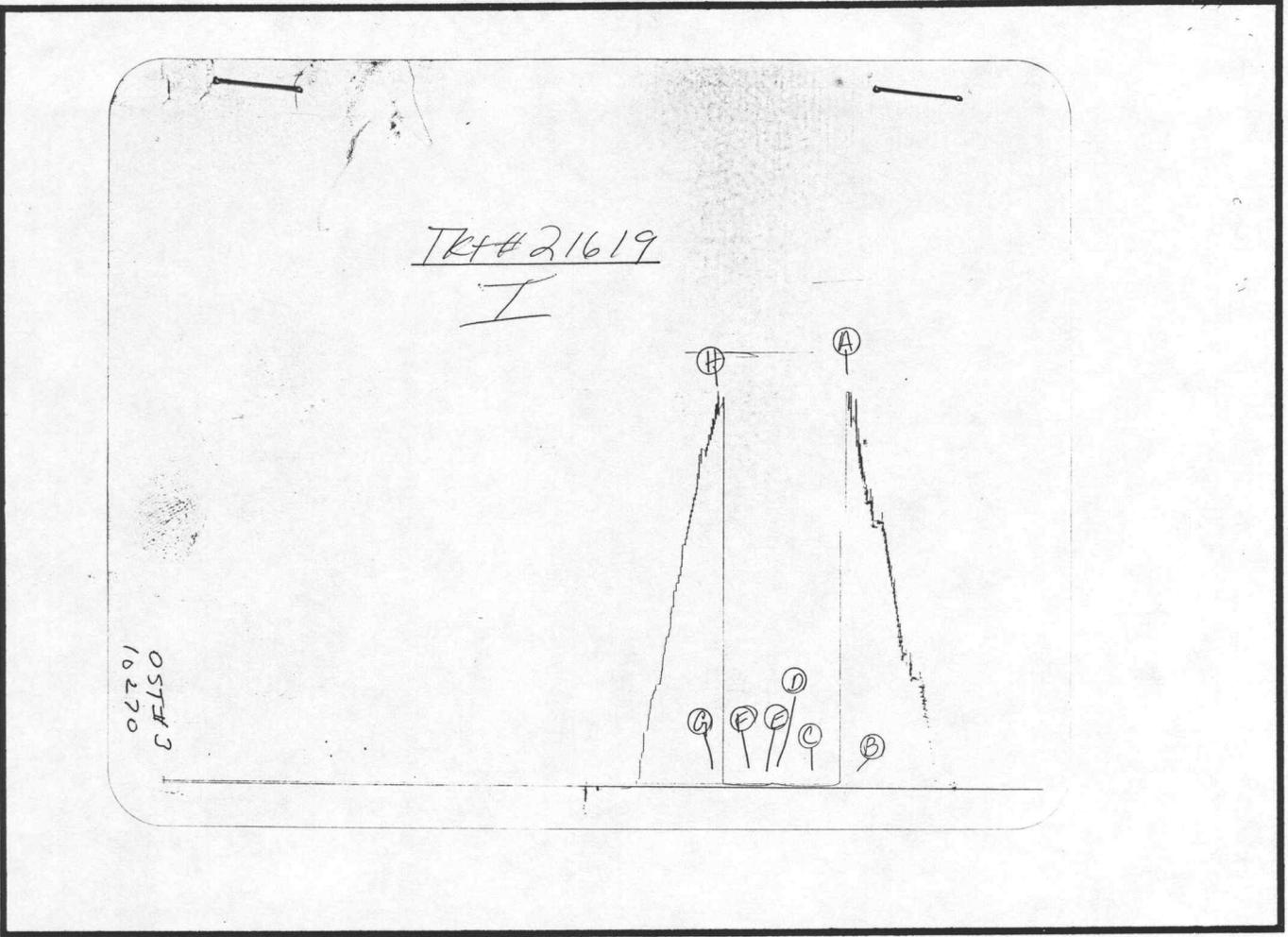
WESTERN TESTING CO., INC.

Company: NOBLE PETROLEUM INC.
Well: KRUG # 1 DST # 3
Field: Field Name

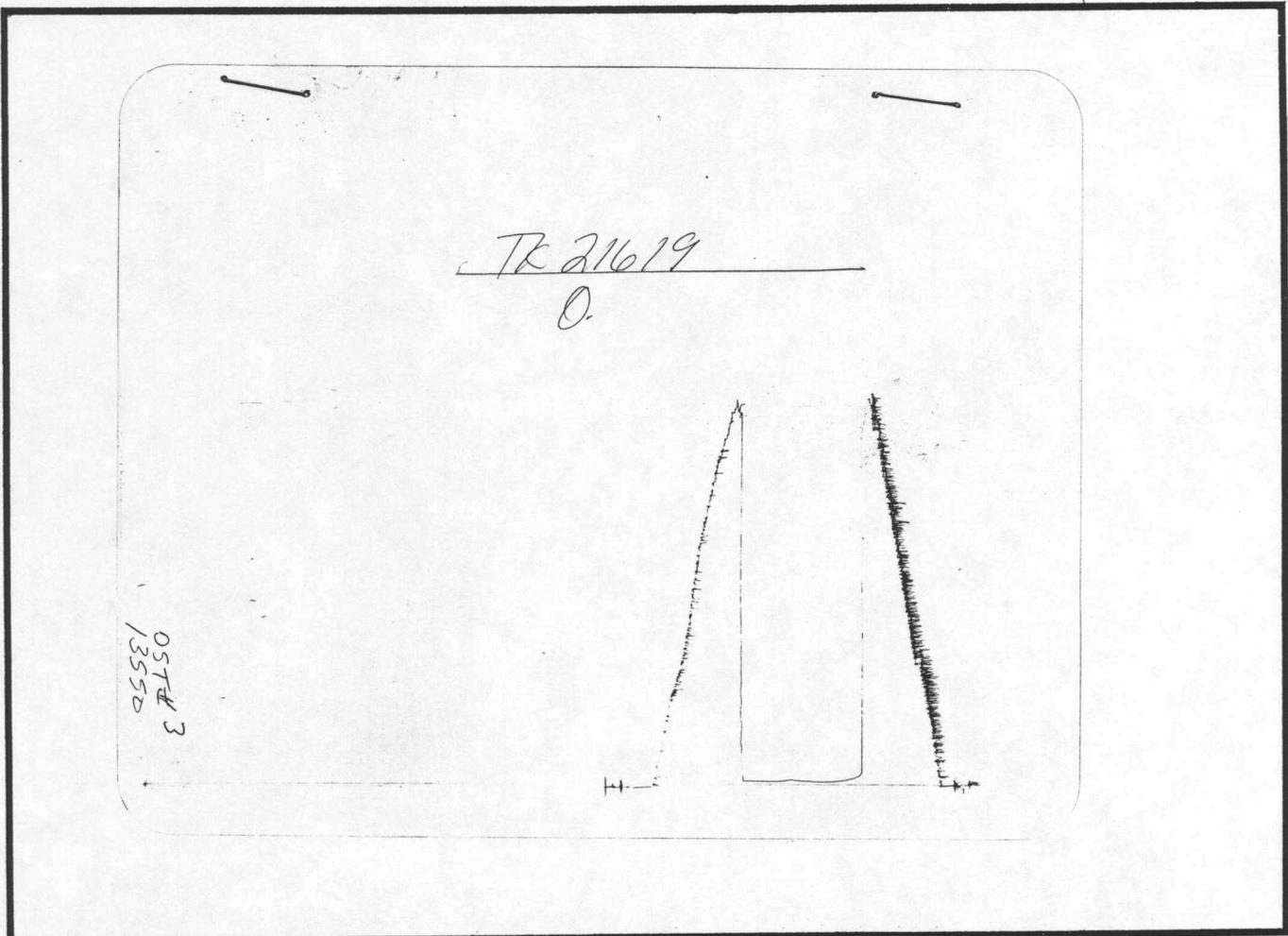
[Monday: Jan. 29, 1996]
Page 2

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
477	0	16:42: 6	0.9508	23.77
486	0	16:43:11	0.9687	20.22
495	0	16:44:15	0.9866	19.27
FINAL FLOW PERIOD				
503	0	16:45:13	1.0026	17.46
504	0	16:45:20	1.0046	17.45
513	0	16:46:25	1.0226	16.50
522	0	16:47:29	1.0405	16.41
531	0	16:48:34	1.0585	15.46
FINAL SHUT IN PERIOD				
535	0	16:49: 3	1.0665	15.43
540	0	16:49:39	1.0765	15.38
549	0	16:50:44	1.0945	15.30
558	0	16:51:48	1.1125	15.21
567	0	16:52:53	1.1305	16.00
576	0	16:53:58	1.1485	15.91
585	0	16:55: 3	1.1664	15.83
594	0	16:56: 7	1.1844	15.75
603	0	16:57:12	1.2024	15.66
612	0	16:58:17	1.2204	16.45
621	0	16:59:22	1.2384	16.36
630	0	17: 0:26	1.2564	16.28
639	0	17: 1:31	1.2744	17.93
648	0	17: 2:36	1.2924	17.85
657	0	17: 3:41	1.3104	18.63
666	0	17: 4:46	1.3284	19.42
675	0	17: 5:51	1.3464	20.20
684	0	17: 6:55	1.3644	20.12
693	0	17: 8: 0	1.3824	20.03
702	0	17: 9: 5	1.4004	20.82
711	0	17:10:10	1.4183	20.73
720	0	17:11:14	1.4364	21.52
729	0	17:12:19	1.4543	21.43
738	0	17:13:24	1.4724	22.22
747	0	17:14:29	1.4903	22.13
756	0	17:15:33	1.5083	22.05
765	0	17:16:38	1.5263	23.70
774	0	17:17:43	1.5444	24.49

WESTERN TESTING CO., INC.



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 1-30-96	TICKET : 21620
CUSTOMER : NOBLE PETROLEUM INC.	LEASE : KRUG
WELL : #1 TEST: 4	GEOLOGIST: JERRY HONAS
ELEVATION: 2400 K.B.	FORMATION: MISSISSIPPI
SECTION : 35	TOWNSHIP : 17S
RANGE : 25W COUNTY: NESS	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4314.00 ft	TO: 4366.00 ft	TVD: 4366.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 4358.0 ft	4361.0 ft	
TEMPERATURE: 114.0		

DRILL COLLAR LENGTH: 0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 4294.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 52.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 4309.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4314.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : DUKE #4	VISCOSITY : 65.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 11.800 cc
WEIGHT : 8.900 ppg	
CHLORIDES : 9000 ppm	SERIAL NUMBER:
JARS-MAKE :	REVERSED OUT?: NO
DID WELL FLOW?: NO	

COMMENTS

Comment

WEAK BLOW THROUGHOUT .5" TO 1.5" ON INITIAL FLOW PERIOD. WEAK BLOW THROUGHOUT 1.5" BLOW ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	%	%	%	%	Comments
Oil	Gas	Water	Mud		
55.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	
GAS VOLUME:	0.0000	SCF	
MUD VOLUME:	0.7714	STB	TOTAL FLOW TIME: 60.0000 min.
WATER VOLUME:	0.0000	STB	AVERAGE OIL RATE: 0.0000 STB/D
TOTAL FLUID :	0.7714	STB	AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2172.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	32.00	34.00
INITIAL SHUT-IN	60.00		1124.00
FINAL FLOW	60.00	46.00	46.00
FINAL SHUT-IN	90.00		1082.00

FINAL HYDROSTATIC PRESSURE: 2140.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2190.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	85.87	65.05
INITIAL SHUT-IN	30.00		644.43
FINAL FLOW	30.00	88.47	73.72
FINAL SHUT-IN	30.00		526.47

FINAL HYDROSTATIC PRESSURE: 2138.00

Company: NOBLE PETROLEUM INC.
 Well: KRUG # 1 DST # 4
 Field: Field Name

[Tuesday: Jan. 30, 1996]
 Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)

INITIAL FLOW PERIOD				
1	0	3:45: 0	0.0000	85.87
10	0	3:46: 5	0.0180	76.33
19	0	3:47: 9	0.0360	71.99
28	0	3:48:14	0.0540	69.39
37	0	3:49:19	0.0719	66.78
46	0	3:50:24	0.0899	65.05
55	0	3:51:28	0.1079	63.32
64	0	3:52:33	0.1259	62.45
73	0	3:53:38	0.1439	62.45
82	0	3:54:43	0.1619	62.45
91	0	3:55:47	0.1798	61.58
100	0	3:56:52	0.1978	61.58
109	0	3:57:57	0.2158	61.58
118	0	3:59: 2	0.2338	61.58
127	0	4: 0: 6	0.2518	61.58
136	0	4: 1:11	0.2698	61.58
145	0	4: 2:16	0.2878	61.58
154	0	4: 3:21	0.3058	61.58
163	0	4: 4:25	0.3237	61.58
172	0	4: 5:30	0.3417	61.58
181	0	4: 6:35	0.3597	62.45
190	0	4: 7:40	0.3777	63.32
199	0	4: 8:44	0.3957	63.32
208	0	4: 9:49	0.4137	63.32
217	0	4:10:54	0.4316	63.32
226	0	4:11:59	0.4496	63.32
235	0	4:13: 3	0.4676	63.32
244	0	4:14: 8	0.4856	63.32
253	0	4:15:13	0.5036	63.32
262	0	4:16:18	0.5216	64.18
271	0	4:17:22	0.5396	64.18
280	0	4:18:27	0.5575	65.05
INITIAL SHUT IN PERIOD				
285	0	4:19: 3	0.5675	66.78
289	0	4:19:32	0.5755	70.25
298	0	4:20:37	0.5935	89.34
307	0	4:21:41	0.6115	127.50
316	0	4:22:46	0.6295	170.86
325	0	4:23:51	0.6475	204.69
334	0	4:24:56	0.6654	240.25
343	0	4:26: 0	0.6834	268.87
352	0	4:27: 5	0.7014	304.43
361	0	4:28:10	0.7194	333.92
370	0	4:29:15	0.7374	360.81
379	0	4:30:19	0.7554	388.57
388	0	4:31:24	0.7734	411.12
397	0	4:32:29	0.7913	432.80
406	0	4:33:34	0.8093	455.35
415	0	4:34:38	0.8273	477.03
424	0	4:35:43	0.8453	495.25
433	0	4:36:48	0.8633	515.20
442	0	4:37:53	0.8813	531.67
451	0	4:38:57	0.8992	549.89
460	0	4:40: 2	0.9172	564.63

WESTERN TESTING CO., INC.

Company: NOBLE PETROLEUM INC.
 Well: KRUG # 1 DST # 4
 Field: Field Name

[Tuesday: Jan. 30, 1996]
 Page 2

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
469	0	4:41: 7	0.9352	578.51
478	0	4:42:12	0.9532	593.26
487	0	4:43:16	0.9712	607.13
496	0	4:44:21	0.9892	620.14
505	0	4:45:26	1.0072	634.89
514	0	4:46:31	1.0251	644.43
FINAL FLOW PERIOD				
521	0	4:47:21	1.0391	88.47
523	0	4:47:35	1.0431	86.73
532	0	4:48:40	1.0611	82.40
541	0	4:49:45	1.0791	78.93
550	0	4:50:50	1.0971	77.19
559	0	4:51:54	1.1151	77.19
568	0	4:52:59	1.1331	75.46
577	0	4:54: 4	1.1510	74.59
586	0	4:55: 9	1.1690	73.72
595	0	4:56:13	1.1870	73.72
604	0	4:57:18	1.2050	73.72
613	0	4:58:23	1.2230	72.86
622	0	4:59:27	1.2410	72.86
631	0	5: 0:32	1.2589	72.86
640	0	5: 1:37	1.2769	72.86
649	0	5: 2:42	1.2949	72.86
658	0	5: 3:46	1.3129	72.86
667	0	5: 4:51	1.3309	72.86
676	0	5: 5:56	1.3489	72.86
685	0	5: 7: 1	1.3669	71.99
694	0	5: 8: 5	1.3849	71.99
703	0	5: 9:10	1.4028	71.99
712	0	5:10:15	1.4208	71.99
721	0	5:11:20	1.4388	72.86
730	0	5:12:24	1.4568	72.86
739	0	5:13:29	1.4748	73.72
748	0	5:14:34	1.4928	73.72
757	0	5:15:39	1.5107	73.72
766	0	5:16:43	1.5287	73.72
775	0	5:17:48	1.5467	73.72
FINAL SHUT IN PERIOD				
784	0	5:18:53	1.5647	77.19
793	0	5:19:58	1.5827	95.41
802	0	5:21: 2	1.6007	123.16
811	0	5:22: 7	1.6186	146.58
820	0	5:23:12	1.6366	171.73
829	0	5:24:17	1.6546	191.68
838	0	5:25:21	1.6726	213.36
847	0	5:26:26	1.6906	235.91
856	0	5:27:31	1.7086	259.33
865	0	5:28:36	1.7266	274.94
874	0	5:29:40	1.7445	293.16
883	0	5:30:45	1.7625	310.51
892	0	5:31:50	1.7805	328.72
901	0	5:32:55	1.7985	342.60
910	0	5:33:59	1.8165	359.94
919	0	5:35: 4	1.8345	373.82
928	0	5:36: 9	1.8525	387.70

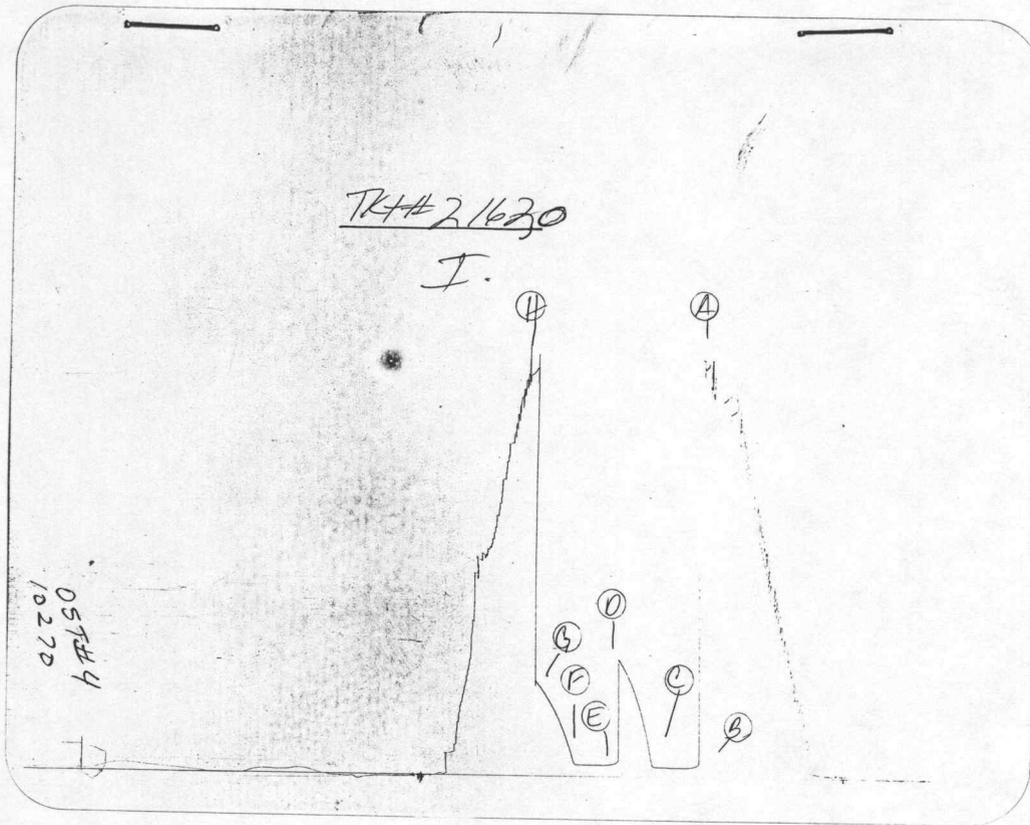
WESTERN TESTING CO., INC.

Company: NOBLE PETROLEUM INC.
Well: KRUG # 1 DST # 4
Field: Field Name

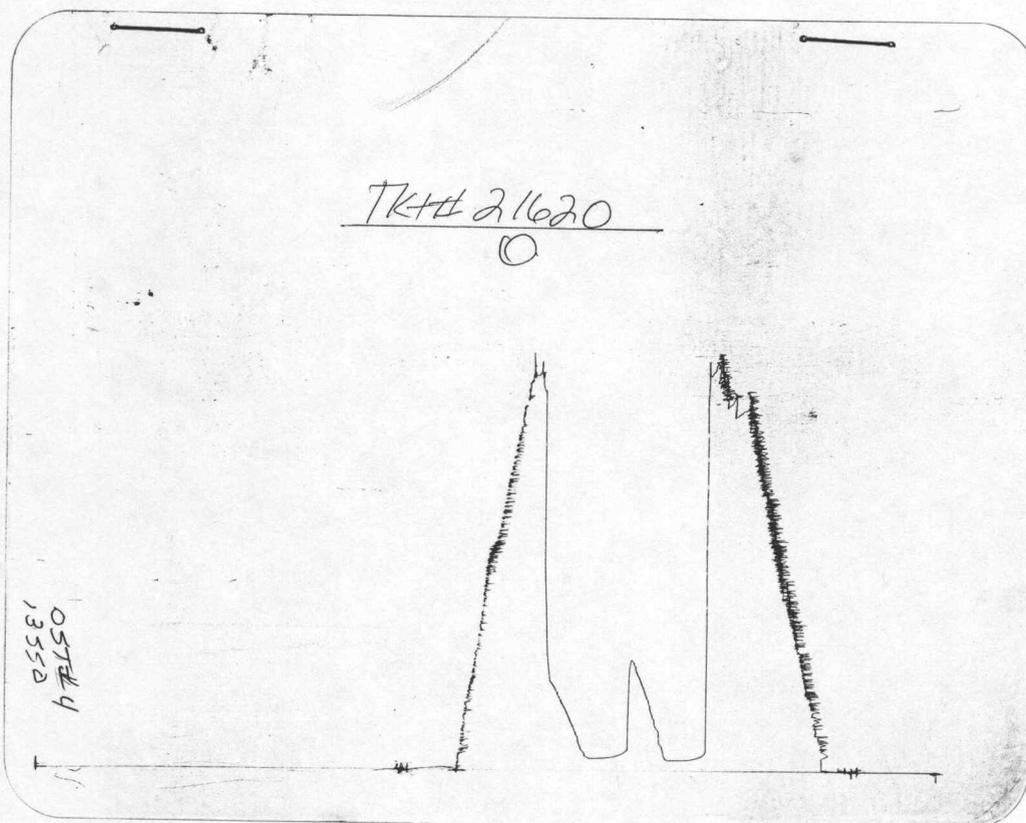
[Tuesday: Jan. 30, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
937	0	5:37:14	1.8704	400.71
946	0	5:38:18	1.8884	415.45
955	0	5:39:23	1.9064	425.86
964	0	5:40:28	1.9244	439.74
973	0	5:41:33	1.9424	453.62
982	0	5:42:37	1.9604	463.16
991	0	5:43:42	1.9784	474.43
1000	0	5:44:47	1.9963	486.57
1009	0	5:45:52	2.0143	496.11
1018	0	5:46:56	2.0323	505.66
1027	0	5:48: 1	2.0503	516.06
1036	0	5:49: 6	2.0683	526.47

WESTERN TESTING CO., INC.



Inside Recorder



Outside Recorder