

DST REPORT

GENERAL INFORMATION

DATE : 7/14/97
CUSTOMER : RANGE OIL COMPANY INC
WELL : #6 TEST: 1
ELEVATION: 1201 GL
SECTION : 22
RANGE : 4E COUNTY: COWLEY
GAUGE SN#: 1562 RANGE : 3900
TICKET : 22331
LEASE : MEADOWS B
GEOLOGIST: BLAIR
FORMATION: MISSISSIPPI
TOWNSHIP : 33S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3198.00 ft TO: 3211.00 ft TVD: 3211.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3200.0 ft 3203.0 ft
TEMPERATURE: 108.0
DRILL COLLAR LENGTH: 210.0 ft I.D.: 2.250 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 2968.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 13.0 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: 3193.0 ft SIZE: 6.630 in
PACKER DEPTH: 3198.0 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. : GLAVES
MUD TYPE : CHEMICAL VISCOSITY : 45.00 cp
WEIGHT : 10.000 ppg WATER LOSS: 11.600 cc
CHLORIDES : 2200 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK TO FAIR BLOW - 5 INCHES
IN BUCKET. FINAL FLOW PERIOD FAIR BLOW - DECREAS-
ING TO WEAK 1 INCH BLOW.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	405 FT GAS ABOVE FLUID
75.0	8.0	2.0	32.0	58.0	OIL & GAS CUT WATERY MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 7000 PPM

RATE INFORMATION

OIL VOLUME:	0.0295 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0414 SCF	AVERAGE OIL RATE:	1.1566 STB/D
MUD VOLUME:	0.2139 STB	AVERAGE WATER RATE:	4.6264 STB/D
WATER VOLUME:	0.1180 STB		
TOTAL FLUID :	0.3614 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1747.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	70.00	70.00
INITIAL SHUT-IN	30.00		200.00
FINAL FLOW	60.00	90.00	90.00
FINAL SHUT-IN	60.00		240.00

FINAL HYDROSTATIC PRESSURE: 1687.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1735.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	60.35	49.68
INITIAL SHUT-IN	30.00		198.03
FINAL FLOW	60.00	71.90	80.18
FINAL SHUT-IN	60.00		247.60

FINAL HYDROSTATIC PRESSURE: 1656.00

Company: RANGE OIL COMPANY INC
 Well: #6 MEADOWS B
 Field: TKT 22331 DST 1

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
		START FLOW 1		
1	0	14:50: 2	0.0000	60.35
5	0	14:50:31	0.0080	60.38
10	0	14:51: 7	0.0180	58.75
15	0	14:51:43	0.0280	57.12
20	0	14:52:19	0.0381	54.66
25	0	14:52:55	0.0481	53.87
30	0	14:53:31	0.0581	53.91
35	0	14:54: 7	0.0681	52.28
40	0	14:54:43	0.0781	50.65
45	0	14:55:19	0.0882	49.86
50	0	14:55:55	0.0981	50.73
55	0	14:56:31	0.1082	49.10
60	0	14:57: 7	0.1182	48.31
65	0	14:57:43	0.1282	47.51
70	0	14:58:19	0.1382	47.55
75	0	14:58:55	0.1482	47.59
80	0	14:59:31	0.1582	46.79
85	0	15: 0: 7	0.1682	46.00
90	0	15: 0:43	0.1782	46.04
95	0	15: 1:19	0.1882	46.07
100	0	15: 1:55	0.1981	46.11
105	0	15: 2:31	0.2082	44.48
110	0	15: 3: 7	0.2182	44.52
115	0	15: 3:43	0.2282	44.56
120	0	15: 4:19	0.2381	44.60
125	0	15: 4:55	0.2481	44.52
130	0	15: 5:31	0.2581	43.96
135	0	15: 6: 7	0.2682	43.40
140	0	15: 6:43	0.2781	43.08
145	0	15: 7:19	0.2881	43.12
150	0	15: 7:55	0.2981	43.16
155	0	15: 8:31	0.3081	43.20
160	0	15: 9: 7	0.3181	43.24
165	0	15: 9:43	0.3281	43.27
170	0	15:10:19	0.3381	43.27
175	0	15:10:55	0.3481	43.31
180	0	15:11:31	0.3581	43.35
185	0	15:12: 7	0.3681	43.39
190	0	15:12:43	0.3781	43.42
195	0	15:13:19	0.3881	43.46
200	0	15:13:55	0.3980	43.50
205	0	15:14:31	0.4080	43.54
210	0	15:15: 7	0.4180	43.58
215	0	15:15:43	0.4280	43.61
220	0	15:16:19	0.4380	43.65
225	0	15:16:55	0.4480	43.69
230	0	15:17:30	0.4580	43.73
235	0	15:18: 6	0.4679	45.43
240	0	15:18:42	0.4779	45.47
245	0	15:19:18	0.4879	45.51
250	0	15:19:54	0.4979	46.38
255	0	15:20:30	0.5078	46.74
		END FLOW 1		
		START SHUTIN 1		
260	0	15:21: 6	0.5178	49.68
				52.61

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
265	0	15:21:41	0.5277	55.54
270	0	15:22:17	0.5376	58.48
275	0	15:22:53	0.5475	61.41
280	0	15:23:29	0.5575	64.34
285	0	15:24: 4	0.5674	67.28
290	0	15:24:40	0.5773	70.21
295	0	15:25:16	0.5872	73.40
300	0	15:25:52	0.5972	77.60
305	0	15:26:27	0.6071	81.80
310	0	15:27: 3	0.6170	86.00
315	0	15:27:38	0.6269	90.20
320	0	15:28:14	0.6368	94.40
325	0	15:28:50	0.6467	98.61
330	0	15:29:25	0.6566	102.81
335	0	15:30: 1	0.6665	106.63
340	0	15:30:37	0.6764	110.45
345	0	15:31:12	0.6863	114.27
350	0	15:31:48	0.6962	118.10
355	0	15:32:24	0.7061	121.92
360	0	15:32:59	0.7160	125.74
365	0	15:33:35	0.7259	129.56
370	0	15:34:11	0.7358	133.39
375	0	15:34:46	0.7457	137.05
380	0	15:35:22	0.7557	140.10
385	0	15:35:58	0.7656	143.14
390	0	15:36:34	0.7755	146.19
395	0	15:37: 9	0.7854	149.23
400	0	15:37:45	0.7954	152.28
405	0	15:38:21	0.8053	155.32
410	0	15:38:57	0.8152	158.37
415	0	15:39:32	0.8251	161.27
420	0	15:40: 8	0.8351	164.17
425	0	15:40:44	0.8450	167.07
430	0	15:41:20	0.8549	169.97
435	0	15:41:55	0.8649	172.87
440	0	15:42:31	0.8748	175.77
445	0	15:43: 7	0.8847	178.61
450	0	15:43:43	0.8946	181.43
455	0	15:44:18	0.9046	184.24
460	0	15:44:54	0.9145	187.05
465	0	15:45:30	0.9244	189.87
470	0	15:46: 6	0.9344	192.68
475	0	15:46:41	0.9443	195.49
480	0	15:47:17	0.9542	198.03
		END SHUTIN 1		
		START FLOW 2		
481	0	15:54:17	1.0709	71.90
486	0	15:54:53	1.0809	71.94
491	0	15:55:29	1.0909	71.98
496	0	15:56: 5	1.1009	72.02
501	0	15:56:41	1.1109	72.06
506	0	15:57:17	1.1209	69.60
511	0	15:57:53	1.1309	68.80
516	0	15:58:29	1.1409	68.01
521	0	15:59: 5	1.1509	67.21

WESTERN TESTING CO., INC.

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
526	0	15:59:41	1.1609	66.42
531	0	16: 0:17	1.1710	65.62
536	0	16: 0:53	1.1810	64.83
541	0	16: 1:29	1.1910	64.03
546	0	16: 2: 5	1.2010	64.07
551	0	16: 2:41	1.2110	64.11
556	0	16: 3:17	1.2210	64.15
561	0	16: 3:53	1.2310	63.35
566	0	16: 4:29	1.2409	63.39
571	0	16: 5: 5	1.2509	63.43
576	0	16: 5:41	1.2609	63.47
581	0	16: 6:17	1.2709	63.50
586	0	16: 6:53	1.2809	62.71
591	0	16: 7:29	1.2909	62.75
596	0	16: 8: 5	1.3009	62.79
601	0	16: 8:41	1.3109	61.99
606	0	16: 9:17	1.3209	62.03
611	0	16: 9:53	1.3309	62.07
616	0	16:10:29	1.3409	62.10
621	0	16:11: 5	1.3509	62.14
626	0	16:11:41	1.3609	62.18
631	0	16:12:17	1.3709	62.22
636	0	16:12:53	1.3809	62.26
641	0	16:13:29	1.3909	62.29
646	0	16:14: 5	1.4008	62.33
651	0	16:14:41	1.4108	62.37
656	0	16:15:17	1.4208	61.99
661	0	16:15:53	1.4309	59.95
666	0	16:16:29	1.4409	59.15
671	0	16:17: 5	1.4509	59.19
676	0	16:17:41	1.4609	59.23
681	0	16:18:17	1.4709	59.27
686	0	16:18:53	1.4808	59.30
691	0	16:19:29	1.4908	59.34
696	0	16:20: 5	1.5008	59.38
701	0	16:20:41	1.5108	59.42
706	0	16:21:17	1.5208	59.46
711	0	16:21:53	1.5308	59.49
716	0	16:22:29	1.5408	59.61
721	0	16:23: 5	1.5508	59.77
726	0	16:23:41	1.5608	59.93
731	0	16:24:17	1.5708	60.09
736	0	16:24:53	1.5807	60.25
741	0	16:25:29	1.5907	60.41
746	0	16:26: 4	1.6007	60.57
751	0	16:26:40	1.6107	60.73
756	0	16:27:16	1.6207	60.89
761	0	16:27:52	1.6307	61.05
766	0	16:28:28	1.6407	61.21
771	0	16:29: 4	1.6507	61.37
776	0	16:29:40	1.6607	61.53
781	0	16:30:16	1.6706	61.69
786	0	16:30:52	1.6806	62.56
791	0	16:31:28	1.6906	62.60
796	0	16:32: 4	1.7006	62.64

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
801	0	16:32:40	1.7106	62.67
806	0	16:33:16	1.7206	62.71
811	0	16:33:52	1.7306	62.75
816	0	16:34:28	1.7406	62.79
821	0	16:35: 4	1.7506	62.83
826	0	16:35:40	1.7606	62.86
831	0	16:36:16	1.7705	62.90
836	0	16:36:52	1.7805	62.94
841	0	16:37:28	1.7905	62.15
846	0	16:38: 4	1.8005	62.18
851	0	16:38:40	1.8105	62.22
856	0	16:39:16	1.8205	63.09
861	0	16:39:52	1.8305	63.13
866	0	16:40:28	1.8405	62.33
871	0	16:41: 4	1.8505	62.37
876	0	16:41:39	1.8605	63.24
881	0	16:42:15	1.8705	63.28
886	0	16:42:51	1.8804	63.32
891	0	16:43:27	1.8904	63.36
896	0	16:44: 3	1.9004	63.39
901	0	16:44:39	1.9104	63.43
906	0	16:45:15	1.9204	63.47
911	0	16:45:51	1.9304	63.51
916	0	16:46:27	1.9404	63.55
921	0	16:47: 3	1.9504	63.58
926	0	16:47:39	1.9604	63.62
931	0	16:48:15	1.9704	64.49
936	0	16:48:51	1.9803	64.53
941	0	16:49:27	1.9903	64.57
946	0	16:50: 3	2.0003	65.44
951	0	16:50:39	2.0103	66.31
956	0	16:51:15	2.0203	64.68
961	0	16:51:51	2.0302	67.27
966	0	16:52:26	2.0402	69.86
971	0	16:53: 2	2.0501	72.44
976	0	16:53:38	2.0600	75.03
981	0	16:54:14	2.0700	77.61
986	0	16:54:50	2.0799	80.18
		END FLOW 2		
		START SHUTIN 2		
990	0	16:55:18	2.0879	82.24
991	0	16:55:25	2.0898	82.75
996	0	16:56: 1	2.0998	85.31
1001	0	16:56:37	2.1097	87.85
1006	0	16:57:13	2.1197	90.39
1011	0	16:57:48	2.1296	92.91
1016	0	16:58:24	2.1395	95.43
1021	0	16:59: 0	2.1495	97.93
1026	0	16:59:36	2.1594	100.42
1031	0	17: 0:11	2.1693	102.90
1036	0	17: 0:47	2.1793	105.37
1041	0	17: 1:23	2.1892	107.83
1046	0	17: 1:59	2.1992	110.28
1051	0	17: 2:35	2.2091	112.71
1056	0	17: 3:10	2.2190	115.13

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1061	0	17: 3:46	2.2290	117.54
1066	0	17: 4:22	2.2389	119.93
1071	0	17: 4:58	2.2489	122.31
1076	0	17: 5:34	2.2588	124.68
1081	0	17: 6: 9	2.2687	127.03
1086	0	17: 6:45	2.2787	129.37
1091	0	17: 7:21	2.2886	131.70
1096	0	17: 7:57	2.2986	134.01
1101	0	17: 8:32	2.3085	136.30
1106	0	17: 9: 8	2.3184	138.59
1111	0	17: 9:44	2.3284	140.85
1116	0	17:10:20	2.3383	143.10
1121	0	17:10:56	2.3483	145.33
1126	0	17:11:31	2.3582	147.55
1131	0	17:12: 7	2.3682	149.74
1136	0	17:12:43	2.3781	151.92
1141	0	17:13:19	2.3881	154.08
1146	0	17:13:55	2.3980	156.22
1151	0	17:14:30	2.4079	158.34
1156	0	17:15: 6	2.4179	160.44
1161	0	17:15:42	2.4278	162.51
1166	0	17:16:18	2.4378	164.57
1171	0	17:16:54	2.4477	166.60
1176	0	17:17:29	2.4577	168.60
1181	0	17:18: 5	2.4676	170.57
1186	0	17:18:41	2.4776	172.52
1191	0	17:19:17	2.4875	174.44
1196	0	17:19:53	2.4975	176.33
1201	0	17:20:29	2.5074	178.18
1206	0	17:21: 4	2.5174	180.01
1211	0	17:21:40	2.5273	181.81
1216	0	17:22:16	2.5373	183.58
1221	0	17:22:52	2.5473	185.32
1226	0	17:23:28	2.5572	187.03
1231	0	17:24: 4	2.5672	188.71
1236	0	17:24:39	2.5771	190.36
1241	0	17:25:15	2.5871	191.98
1246	0	17:25:51	2.5970	193.58
1251	0	17:26:27	2.6070	195.15
1256	0	17:27: 3	2.6169	196.69
1261	0	17:27:39	2.6269	198.20
1266	0	17:28:15	2.6369	199.69
1271	0	17:28:50	2.6468	201.16
1276	0	17:29:26	2.6568	202.60
1281	0	17:30: 2	2.6667	204.01
1286	0	17:30:38	2.6767	205.41
1291	0	17:31:14	2.6867	206.78
1296	0	17:31:50	2.6966	208.13
1301	0	17:32:26	2.7066	209.46
1306	0	17:33: 1	2.7166	210.77
1311	0	17:33:37	2.7265	212.07
1316	0	17:34:13	2.7365	213.34
1321	0	17:34:49	2.7464	214.60
1326	0	17:35:25	2.7564	215.85
1331	0	17:36: 1	2.7664	217.08

WESTERN TESTING CO., INC.

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Field: TKT 22331 DST 1

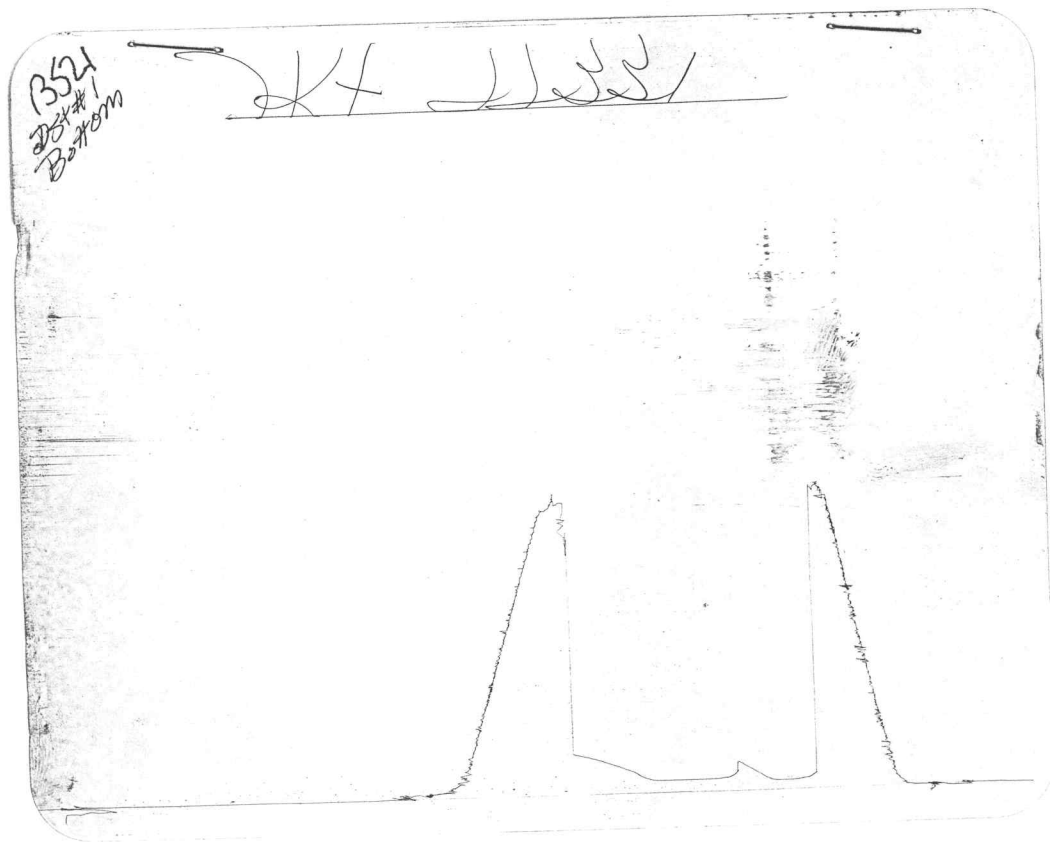
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1336	0	17:36:37	2.7763	218.30
1341	0	17:37:13	2.7863	219.50
1346	0	17:37:48	2.7963	220.69
1351	0	17:38:24	2.8062	221.86
1356	0	17:39:00	2.8162	223.03
1361	0	17:39:36	2.8262	224.18
1366	0	17:40:12	2.8361	225.32
1371	0	17:40:48	2.8461	226.45
1376	0	17:41:24	2.8561	227.58
1381	0	17:42:00	2.8661	228.69
1386	0	17:42:35	2.8760	229.79
1391	0	17:43:11	2.8860	230.89
1396	0	17:43:47	2.8960	231.99
1401	0	17:44:23	2.9059	233.09
1406	0	17:44:59	2.9159	234.19
1411	0	17:45:35	2.9258	237.15
1416	0	17:46:11	2.9358	237.19
1421	0	17:46:47	2.9458	238.89
1426	0	17:47:22	2.9557	239.76
1431	0	17:47:58	2.9657	240.63
1436	0	17:48:34	2.9757	241.50
1441	0	17:49:10	2.9857	242.37
1446	0	17:49:46	2.9956	244.08
1451	0	17:50:22	3.0056	244.95
1456	0	17:50:58	3.0155	246.65
1461	0	17:51:34	3.0255	247.52
1466	0	17:52:10	3.0355	247.56
1471	0	17:52:46	3.0455	247.60

WESTERN TESTING CO., INC.



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE	: 7/15/97	TICKET	: 22332
CUSTOMER	: RANGE OIL COMPANY INC	LEASE	: MEADOWS B
WELL	: #6	GEOLOGIST	: BLAIR
ELEVATION	: 1201 GL	FORMATION	: MISSISSIPPI
SECTION	: 22	TOWNSHIP	: 33S
RANGE	: 4E	STATE	: KS
Gauge SN#	: 1562	CLOCK	: 12
	COUNTY: COWLEY		
	RANGE : 3900		

WELL INFORMATION

PERFORATION INTERVAL FROM:	3213.00 ft	TO:	3224.00 ft	TVD:	3224.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	3217.0 ft		3220.0 ft		
TEMPERATURE:	108.0				
DRILL COLLAR LENGTH:	210.0 ft	I.D.:	2.250 in		
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in		
DRILL PIPE LENGTH :	2983.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in		
ANCHOR LENGTH :	11.0 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:	3208.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	3213.0 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. :	GLAVES	VISCOSITY :	45.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	11.600 cc
WEIGHT :	10.000 ppg	SERIAL NUMBER:	
CHLORIDES :	2200 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK TO FAIR BLOW - 4 1/2 INCHES IN BUCKET. FINAL FLOW PERIOD FAIR TO WEAK 1 INCH BLOW.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	660 FT GAS ABOVE FLUID
60.0	8.0	2.0	40.0	50.0	OIL & GAS CUT WATERY MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 7500 PPM

RATE INFORMATION

OIL VOLUME:	0.0236 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0331 SCF	AVERAGE OIL RATE:	0.7711 STB/D
MUD VOLUME:	0.1475 STB	AVERAGE WATER RATE:	3.8553 STB/D
WATER VOLUME:	0.1180 STB		
TOTAL FLUID :	0.2891 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1737.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	50.00	50.00
INITIAL SHUT-IN	30.00		230.00
FINAL FLOW	60.00	70.00	70.00
FINAL SHUT-IN	60.00		300.00
FINAL HYDROSTATIC PRESSURE:	1687.00		

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1726.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	79.16	60.41
INITIAL SHUT-IN	30.00		229.78
FINAL FLOW	60.00	78.30	72.40
FINAL SHUT-IN	60.00		301.43

FINAL HYDROSTATIC PRESSURE: 1676.00

Company: RANGE OIL COMPANY INC
Well: #6 MEADOWS B
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
START FLOW 1				
1	0	2:35:20	0.0000	79.16
3	0	2:35:35	0.0040	79.16
8	0	2:36:11	0.0140	79.17
13	0	2:36:47	0.0240	79.18
18	0	2:37:22	0.0340	78.35
23	0	2:37:59	0.0440	74.20
28	0	2:38:35	0.0540	71.71
33	0	2:39:11	0.0640	70.05
38	0	2:39:47	0.0740	67.56
43	0	2:40:23	0.0840	65.90
48	0	2:40:59	0.0940	63.41
53	0	2:41:35	0.1040	62.59
58	0	2:42:11	0.1140	60.93
63	0	2:42:47	0.1240	60.11
68	0	2:43:23	0.1340	59.28
73	0	2:43:59	0.1440	57.63
78	0	2:44:34	0.1540	57.63
83	0	2:45:10	0.1640	56.81
88	0	2:45:46	0.1740	55.99
93	0	2:46:22	0.1840	55.16
98	0	2:46:58	0.1939	54.34
103	0	2:47:34	0.2040	54.35
108	0	2:48:10	0.2139	54.20
113	0	2:48:46	0.2239	54.01
118	0	2:49:22	0.2339	53.82
123	0	2:49:58	0.2439	53.63
128	0	2:50:34	0.2539	53.44
133	0	2:51:10	0.2639	53.25
138	0	2:51:46	0.2739	51.65
143	0	2:52:22	0.2839	51.34
148	0	2:52:58	0.2939	51.09
153	0	2:53:34	0.3039	51.10
158	0	2:54:10	0.3139	51.11
163	0	2:54:46	0.3239	51.12
168	0	2:55:22	0.3338	51.12
173	0	2:55:58	0.3439	50.89
178	0	2:56:34	0.3538	50.65
183	0	2:57:10	0.3638	50.41
188	0	2:57:46	0.3738	50.32
193	0	2:58:22	0.3838	50.33
198	0	2:58:58	0.3938	50.34
203	0	2:59:34	0.4038	50.35
208	0	3: 0:10	0.4138	50.36
213	0	3: 0:46	0.4238	50.63
218	0	3: 1:22	0.4338	50.89
223	0	3: 1:58	0.4438	51.16
228	0	3: 2:34	0.4538	52.89
233	0	3: 3:10	0.4637	54.56
238	0	3: 3:46	0.4737	57.07
243	0	3: 4:21	0.4837	60.41
END FLOW 1				
START SHUTIN 1				
244	0	3: 4:29	0.4857	60.41
248	0	3: 4:57	0.4937	64.58

WESTERN TESTING CO., INC.

Company: RANGE OIL COMPANY INC
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
253	0	3: 5:33	0.5036	68.75
258	0	3: 6: 9	0.5136	72.92
263	0	3: 6:45	0.5236	77.93
268	0	3: 7:21	0.5335	82.93
273	0	3: 7:57	0.5435	87.93
278	0	3: 8:33	0.5535	93.77
283	0	3: 9: 9	0.5634	98.78
288	0	3: 9:44	0.5734	103.78
293	0	3:10:20	0.5834	109.62
298	0	3:10:56	0.5933	115.45
303	0	3:11:32	0.6033	120.46
308	0	3:12: 8	0.6133	125.46
313	0	3:12:44	0.6232	130.47
318	0	3:13:20	0.6332	135.47
323	0	3:13:56	0.6432	140.47
328	0	3:14:31	0.6531	145.48
333	0	3:15: 7	0.6631	150.10
338	0	3:15:43	0.6731	154.72
343	0	3:16:19	0.6830	159.29
348	0	3:16:55	0.6930	163.80
353	0	3:17:31	0.7030	168.24
358	0	3:18: 7	0.7129	172.61
363	0	3:18:43	0.7229	176.88
368	0	3:19:19	0.7329	181.06
373	0	3:19:55	0.7429	185.13
378	0	3:20:30	0.7528	189.10
383	0	3:21: 6	0.7628	192.97
388	0	3:21:42	0.7728	196.72
393	0	3:22:18	0.7828	200.36
398	0	3:22:54	0.7927	203.89
403	0	3:23:30	0.8027	207.28
408	0	3:24: 6	0.8127	210.52
413	0	3:24:42	0.8227	213.62
418	0	3:25:18	0.8326	216.59
423	0	3:25:54	0.8426	219.43
428	0	3:26:30	0.8526	222.16
433	0	3:27: 5	0.8626	224.80
438	0	3:27:41	0.8726	227.38
443	0	3:28:17	0.8825	229.77
448	0	3:28:53	0.8925	229.78
		END SHUTIN 1		
		START FLOW 2		
452	0	3:33:22	0.9672	78.30
457	0	3:33:58	0.9772	78.31
462	0	3:34:34	0.9872	78.31
467	0	3:35:10	0.9972	78.32
472	0	3:35:46	1.0072	78.33
477	0	3:36:22	1.0172	77.51
482	0	3:36:58	1.0272	75.85
487	0	3:37:34	1.0372	74.19
492	0	3:38:10	1.0472	73.37
497	0	3:38:46	1.0572	72.54
502	0	3:39:22	1.0671	71.72
507	0	3:39:58	1.0771	70.06
512	0	3:40:34	1.0871	69.24

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
517	0	3:41:10	1.0971	68.41
522	0	3:41:46	1.1071	68.42
527	0	3:42:22	1.1171	67.60
532	0	3:42:58	1.1271	66.77
537	0	3:43:34	1.1371	65.95
542	0	3:44:10	1.1471	65.96
547	0	3:44:46	1.1571	65.97
552	0	3:45:22	1.1671	65.14
557	0	3:45:58	1.1771	65.15
562	0	3:46:34	1.1871	64.33
567	0	3:47:10	1.1971	64.33
572	0	3:47:46	1.2071	64.34
577	0	3:48:22	1.2171	63.52
582	0	3:48:58	1.2271	63.53
587	0	3:49:34	1.2370	63.53
592	0	3:50:10	1.2470	62.71
597	0	3:50:46	1.2570	62.58
602	0	3:51:21	1.2670	62.36
607	0	3:51:57	1.2770	62.13
612	0	3:52:33	1.2870	61.91
617	0	3:53: 9	1.2970	61.92
622	0	3:53:45	1.3070	61.93
627	0	3:54:21	1.3170	61.94
632	0	3:54:57	1.3270	61.94
637	0	3:55:33	1.3370	61.95
642	0	3:56: 9	1.3470	61.96
647	0	3:56:45	1.3570	61.97
652	0	3:57:21	1.3669	61.98
657	0	3:57:57	1.3769	61.99
662	0	3:58:33	1.3869	61.99
667	0	3:59: 9	1.3969	62.00
672	0	3:59:45	1.4069	62.01
677	0	4: 0:21	1.4169	62.02
682	0	4: 0:57	1.4269	62.03
687	0	4: 1:33	1.4369	62.10
692	0	4: 2: 9	1.4469	62.04
697	0	4: 2:45	1.4569	62.05
702	0	4: 3:21	1.4669	62.06
707	0	4: 3:57	1.4769	62.07
712	0	4: 4:33	1.4868	62.08
717	0	4: 5: 9	1.4968	62.09
722	0	4: 5:45	1.5068	62.09
727	0	4: 6:21	1.5168	62.10
732	0	4: 6:57	1.5268	62.11
737	0	4: 7:33	1.5368	62.12
742	0	4: 8: 9	1.5468	62.13
747	0	4: 8:45	1.5568	62.14
752	0	4: 9:21	1.5668	62.14
757	0	4: 9:57	1.5768	62.15
762	0	4:10:33	1.5868	62.16
767	0	4:11: 8	1.5968	62.17
772	0	4:11:44	1.6067	62.18
777	0	4:12:20	1.6167	62.30
782	0	4:12:56	1.6267	62.21
787	0	4:13:32	1.6367	62.25

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
792	0	4:14: 8	1.6467	62.33
797	0	4:14:44	1.6567	62.40
802	0	4:15:20	1.6667	62.47
807	0	4:15:56	1.6767	62.55
812	0	4:16:32	1.6867	62.62
817	0	4:17: 8	1.6967	62.69
822	0	4:17:44	1.7067	62.77
827	0	4:18:20	1.7167	62.84
832	0	4:18:56	1.7266	62.91
837	0	4:19:32	1.7366	62.99
842	0	4:20: 8	1.7466	63.06
847	0	4:20:44	1.7566	63.14
852	0	4:21:20	1.7666	63.22
857	0	4:21:56	1.7766	63.30
862	0	4:22:32	1.7866	63.39
867	0	4:23: 8	1.7966	63.47
872	0	4:23:44	1.8066	63.56
877	0	4:24:20	1.8166	63.64
882	0	4:24:56	1.8266	63.72
887	0	4:25:32	1.8365	63.81
892	0	4:26: 8	1.8465	63.89
897	0	4:26:44	1.8565	63.98
902	0	4:27:20	1.8665	64.06
907	0	4:27:56	1.8765	64.07
912	0	4:28:32	1.8865	64.08
917	0	4:29: 8	1.8965	64.92
922	0	4:29:43	1.9065	66.59
927	0	4:30:19	1.9165	69.10
932	0	4:30:55	1.9264	72.44
		END FLOW 2		
		START SHUTIN 2		
934	0	4:31:10	1.9304	74.10
937	0	4:31:31	1.9364	76.86
942	0	4:32: 7	1.9464	81.65
947	0	4:32:43	1.9563	86.45
952	0	4:33:19	1.9663	91.24
957	0	4:33:55	1.9763	96.03
962	0	4:34:31	1.9862	100.81
967	0	4:35: 7	1.9962	105.59
972	0	4:35:42	2.0062	110.37
977	0	4:36:18	2.0161	115.13
982	0	4:36:54	2.0261	119.89
987	0	4:37:30	2.0361	124.61
992	0	4:38: 6	2.0461	129.28
997	0	4:38:42	2.0560	133.86
1002	0	4:39:18	2.0660	138.34
1007	0	4:39:54	2.0760	142.72
1012	0	4:40:30	2.0859	146.98
1017	0	4:41: 5	2.0959	151.10
1022	0	4:41:41	2.1059	155.09
1027	0	4:42:17	2.1158	158.94
1032	0	4:42:53	2.1258	162.65
1037	0	4:43:29	2.1358	166.22
1042	0	4:44: 5	2.1458	169.67
1047	0	4:44:41	2.1558	173.02

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1052	0	4:45:17	2.1657	176.27
1057	0	4:45:53	2.1757	179.43
1062	0	4:46:29	2.1857	182.51
1067	0	4:47: 5	2.1957	185.52
1072	0	4:47:40	2.2056	188.46
1077	0	4:48:16	2.2156	191.34
1082	0	4:48:52	2.2256	194.15
1087	0	4:49:28	2.2356	196.92
1092	0	4:50: 4	2.2455	199.63
1097	0	4:50:40	2.2555	202.30
1102	0	4:51:16	2.2655	204.92
1107	0	4:51:52	2.2755	207.50
1112	0	4:52:28	2.2855	210.05
1117	0	4:53: 4	2.2954	212.56
1122	0	4:53:40	2.3054	215.04
1127	0	4:54:16	2.3154	217.49
1132	0	4:54:52	2.3254	219.91
1137	0	4:55:28	2.3354	222.31
1142	0	4:56: 3	2.3454	224.68
1147	0	4:56:39	2.3553	227.04
1152	0	4:57:15	2.3653	229.39
1157	0	4:57:51	2.3753	231.74
1162	0	4:58:27	2.3853	233.52
1167	0	4:59: 3	2.3953	236.02
1172	0	4:59:39	2.4052	237.70
1177	0	5: 0:15	2.4152	239.31
1182	0	5: 0:51	2.4252	240.93
1187	0	5: 1:27	2.4352	242.54
1192	0	5: 2: 3	2.4452	244.15
1197	0	5: 2:39	2.4552	245.74
1202	0	5: 3:15	2.4651	247.33
1207	0	5: 3:51	2.4751	248.90
1212	0	5: 4:27	2.4851	250.45
1217	0	5: 5: 3	2.4951	251.99
1222	0	5: 5:38	2.5051	253.52
1227	0	5: 6:14	2.5151	255.02
1232	0	5: 6:50	2.5250	256.50
1237	0	5: 7:26	2.5350	257.97
1242	0	5: 8: 2	2.5450	259.41
1247	0	5: 8:38	2.5550	260.83
1252	0	5: 9:14	2.5650	262.22
1257	0	5: 9:50	2.5750	263.59
1262	0	5:10:26	2.5849	264.94
1267	0	5:11: 2	2.5949	266.27
1272	0	5:11:38	2.6049	267.58
1277	0	5:12:14	2.6149	268.86
1282	0	5:12:50	2.6249	270.13
1287	0	5:13:26	2.6349	271.38
1292	0	5:14: 2	2.6449	272.62
1297	0	5:14:38	2.6549	273.83
1302	0	5:15:14	2.6648	275.03
1307	0	5:15:50	2.6748	276.21
1312	0	5:16:26	2.6848	277.38
1317	0	5:17: 1	2.6948	278.53
1322	0	5:17:37	2.7048	279.66

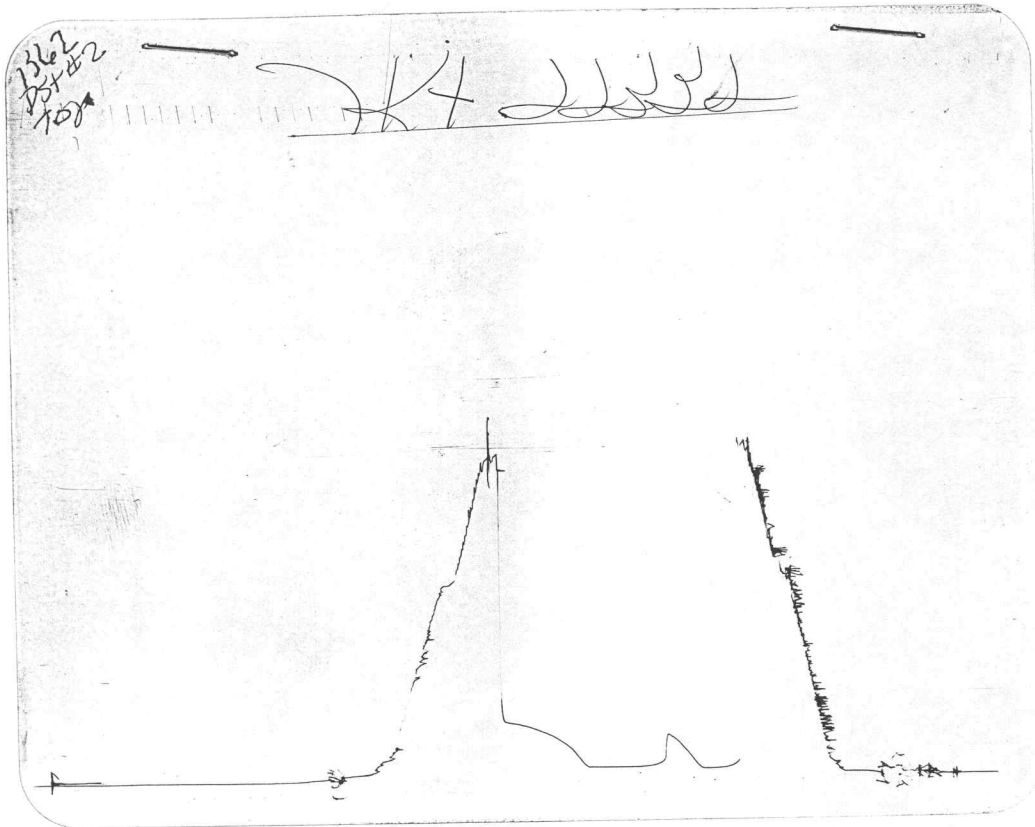
WESTERN TESTING CO., INC.

Company: RANGE OIL COMPANY INC
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1327	0	5:18:13	2.7148	280.78
1332	0	5:18:49	2.7248	281.89
1337	0	5:19:25	2.7347	282.98
1342	0	5:20: 1	2.7447	284.06
1347	0	5:20:37	2.7547	285.13
1352	0	5:21:13	2.7647	286.18
1357	0	5:21:49	2.7747	287.21
1362	0	5:22:25	2.7847	288.23
1367	0	5:23: 1	2.7947	289.24
1372	0	5:23:37	2.8047	290.23
1377	0	5:24:13	2.8146	291.20
1382	0	5:24:49	2.8246	292.16
1387	0	5:25:25	2.8346	293.09
1392	0	5:26: 1	2.8446	294.00
1397	0	5:26:37	2.8546	294.89
1402	0	5:27:13	2.8646	295.75
1407	0	5:27:49	2.8746	296.58
1412	0	5:28:25	2.8846	297.38
1417	0	5:29: 1	2.8945	298.16
1422	0	5:29:37	2.9045	298.91
1427	0	5:30:12	2.9145	299.63
1432	0	5:30:48	2.9245	300.33
1437	0	5:31:24	2.9345	301.01
1442	0	5:32: 0	2.9445	301.43

WESTERN TESTING CO., INC.



Inside Recorder



Outside Recorder