

Computer Inventoried

ORIGINAL

DST REPORT

15-077-21325

GENERAL INFORMATION

DATE	: 5/22/97	TICKET	: 22317		
CUSTOMER	: MTM PETROLEUM INC	LEASE	: BURKHOLDER		
WELL	: #1-22	TEST: 1	GEOLOGIST:		
ELEVATION	: 1548 KB	FORMATION	: KANSAS CITY HERTHA		
SECTION	: 22	TOWNSHIP	: 31S		
RANGE	: 7W	COUNTY: HARPER	STATE	: KS	
GAUGE SN#	: 13400	RANGE	: 3950	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4027.00 ft	TO:	4038.00 ft	TVD:	4038.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4030.0 ft	4033.0 ft			
TEMPERATURE:	116.0				
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:	4005.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH:	22.0 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:	4022.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	4027.0 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 RIG 1	VISCOSITY:	52.00 cp
MUD TYPE:	CHEMICAL	WATER LOSS:	11.200 cc
WEIGHT:	9.100 ppg	SERIAL NUMBER:	
CHLORIDES:	8700 ppm	REVERSED OUT?:	NO
JARS-MAKE:			
DID WELL FLOW?:	NO		

COMMENTS

Comment

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

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	0.0	0.0	85.0	15.0	SLIGHTLY MUDDY SALTWATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 36500 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF	TOTAL FLOW TIME:	60.0000 min.
MUD VOLUME:	0.2525	STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	1.4307	STB	AVERAGE WATER RATE:	40.3959 STB/D
TOTAL FLUID :	1.6832	STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2025.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	9.00	48.00
INITIAL SHUT-IN	60.00		1610.00
FINAL FLOW	30.00	96.00	106.00
FINAL SHUT-IN	60.00		1610.00

FINAL HYDROSTATIC PRESSURE: 1986.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2041.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	5.78	42.83
INITIAL SHUT-IN	60.00		1613.34
FINAL FLOW	30.00	103.90	96.64
FINAL SHUT-IN	60.00		1608.01

FINAL HYDROSTATIC PRESSURE: 1975.00

Company: MTM PETROLEUM INC
Well: #1-22 BURKHOLDER
Field: TKT 22317 DST 1

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

START FLOW 1				
1	0	19:25: 0	0.0000	5.78
10	0	19:26: 5	0.0180	5.75
19	0	19:27:10	0.0360	7.33
28	0	19:28:14	0.0540	8.91
37	0	19:29:19	0.0720	10.49
46	0	19:30:24	0.0900	12.88
55	0	19:31:29	0.1080	14.47
64	0	19:32:34	0.1260	16.05
73	0	19:33:39	0.1440	16.82
82	0	19:34:43	0.1620	18.41
91	0	19:35:48	0.1800	19.99
100	0	19:36:53	0.1980	21.57
109	0	19:37:58	0.2160	23.15
118	0	19:39: 3	0.2340	24.74
127	0	19:40: 7	0.2520	26.32
136	0	19:41:12	0.2700	27.10
145	0	19:42:17	0.2880	28.68
154	0	19:43:22	0.3060	29.45
163	0	19:44:27	0.3240	31.04
172	0	19:45:31	0.3420	32.62
181	0	19:46:36	0.3600	33.39
190	0	19:47:41	0.3780	34.98
199	0	19:48:46	0.3960	35.75
208	0	19:49:51	0.4140	37.33
217	0	19:50:55	0.4320	38.11
226	0	19:52: 0	0.4500	39.69
235	0	19:53: 5	0.4680	41.28
244	0	19:54:10	0.4860	41.24
253	0	19:55:14	0.5040	42.83
END FLOW 1				
START SHUTIN 1				
262	0	19:56:21	0.5224	81.52
270	0	19:57:27	0.5408	309.82
277	0	19:58:30	0.5583	642.25
284	0	19:59:36	0.5766	1054.24
292	0	20: 0:42	0.5949	1274.57
300	0	20: 1:42	0.6117	1347.72
309	0	20: 2:49	0.6302	1394.85
318	0	20: 3:54	0.6484	1420.84
327	0	20: 5: 0	0.6666	1440.32
336	0	20: 6: 5	0.6848	1458.18
345	0	20: 7:11	0.7029	1471.97
354	0	20: 8:16	0.7210	1483.33
363	0	20: 9:21	0.7391	1494.68
372	0	20:10:26	0.7572	1502.81
381	0	20:11:31	0.7753	1511.83
390	0	20:12:36	0.7933	1519.20
399	0	20:13:41	0.8114	1526.58
408	0	20:14:46	0.8295	1533.95
417	0	20:15:51	0.8475	1538.03
426	0	20:16:56	0.8655	1543.76
435	0	20:18: 1	0.8836	1548.66
444	0	20:19: 6	0.9016	1551.92
453	0	20:20:11	0.9196	1555.18

WESTERN TESTING CO., INC.

Company: MTM PETROLEUM INC
 Well: #1-22 BURKHOLDER
 Field: TKT 22317 DST 1

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
462	0	20:21:16	0.9376	1560.09
471	0	20:22:20	0.9557	1563.35
480	0	20:23:25	0.9737	1566.60
489	0	20:24:30	0.9917	1569.04
498	0	20:25:35	1.0097	1572.30
507	0	20:26:40	1.0277	1575.56
516	0	20:27:45	1.0457	1578.00
525	0	20:28:50	1.0637	1580.43
534	0	20:29:54	1.0818	1583.69
543	0	20:30:59	1.0998	1585.31
552	0	20:32: 4	1.1178	1587.74
561	0	20:33: 9	1.1358	1588.53
570	0	20:34:14	1.1538	1590.15
579	0	20:35:18	1.1718	1591.76
588	0	20:36:23	1.1898	1593.38
597	0	20:37:28	1.2078	1594.99
606	0	20:38:33	1.2258	1596.60
615	0	20:39:38	1.2438	1597.39
624	0	20:40:42	1.2618	1599.01
633	0	20:41:47	1.2798	1599.80
642	0	20:42:52	1.2978	1601.41
651	0	20:43:57	1.3158	1602.20
660	0	20:45: 2	1.3338	1603.82
669	0	20:46: 6	1.3518	1604.61
678	0	20:47:11	1.3697	1605.40
687	0	20:48:16	1.3877	1606.19
696	0	20:49:21	1.4057	1607.80
705	0	20:50:26	1.4237	1607.77
714	0	20:51:30	1.4417	1609.39
723	0	20:52:35	1.4597	1610.18
732	0	20:53:40	1.4777	1610.97
741	0	20:54:45	1.4957	1611.76
750	0	20:55:49	1.5137	1612.55
759	0	20:56:54	1.5317	1613.34
END SHUTIN 1				
START FLOW 2				
765	0	20:59:33	1.5757	103.90
774	0	21: 0:38	1.5937	103.87
783	0	21: 1:42	1.6117	103.04
792	0	21: 2:47	1.6297	101.39
801	0	21: 3:52	1.6476	98.94
810	0	21: 4:56	1.6656	96.49
819	0	21: 6: 1	1.6836	95.65
828	0	21: 7: 6	1.7015	93.20
837	0	21: 8:10	1.7195	91.55
846	0	21: 9:15	1.7375	91.52
855	0	21:10:20	1.7555	91.49
864	0	21:11:25	1.7735	91.46
873	0	21:12:29	1.7914	89.81
882	0	21:13:34	1.8094	89.78
891	0	21:14:39	1.8274	89.75
900	0	21:15:43	1.8454	89.72
909	0	21:16:48	1.8634	89.69
918	0	21:17:53	1.8813	90.47
927	0	21:18:58	1.8993	90.44

WESTERN TESTING CO., INC.

Company: MTM PETROLEUM INC
Well: #1-22 BURKHOLDER
Field: TKT 22317 DST 1

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
936	0	21:20: 2	1.9173	91.21
945	0	21:21: 7	1.9353	91.99
954	0	21:22:12	1.9533	91.96
963	0	21:23:17	1.9713	92.73
972	0	21:24:22	1.9893	93.51
981	0	21:25:26	2.0073	93.48
990	0	21:26:31	2.0253	94.25
999	0	21:27:36	2.0433	96.64
		END FLOW 2		
		START SHUTIN 2		
1003	0	21:28: 5	2.0515	115.18
1007	0	21:28:37	2.0601	179.71
1015	0	21:29:43	2.0786	412.05
1022	0	21:30:43	2.0954	676.29
1029	0	21:31:45	2.1126	981.56
1036	0	21:32:46	2.1295	1262.95
1044	0	21:33:48	2.1465	1361.31
1053	0	21:34:54	2.1649	1398.68
1062	0	21:36: 0	2.1832	1427.92
1071	0	21:37: 5	2.2014	1449.03
1080	0	21:38:11	2.2196	1464.45
1089	0	21:39:16	2.2377	1478.24
1098	0	21:40:21	2.2558	1489.59
1107	0	21:41:26	2.2739	1499.21
1116	0	21:42:31	2.2920	1506.68
1125	0	21:43:36	2.3100	1514.05
1134	0	21:44:41	2.3281	1521.24
1143	0	21:45:46	2.3461	1527.96
1152	0	21:46:51	2.3642	1533.98
1161	0	21:47:56	2.3822	1539.34
1170	0	21:49: 1	2.4003	1543.98
1179	0	21:50: 6	2.4183	1547.94
1188	0	21:51:11	2.4363	1551.41
1197	0	21:52:16	2.4543	1554.56
1206	0	21:53:21	2.4723	1557.52
1215	0	21:54:25	2.4904	1560.34
1224	0	21:55:30	2.5084	1563.04
1233	0	21:56:35	2.5264	1565.61
1242	0	21:57:40	2.5444	1568.08
1251	0	21:58:45	2.5624	1570.46
1260	0	21:59:50	2.5804	1572.78
1269	0	22: 0:54	2.5984	1575.06
1278	0	22: 1:59	2.6164	1576.87
1287	0	22: 3: 4	2.6344	1579.31
1296	0	22: 4: 9	2.6524	1580.92
1305	0	22: 5:14	2.6704	1582.53
1314	0	22: 6:19	2.6884	1584.97
1323	0	22: 7:23	2.7064	1585.76
1332	0	22: 8:28	2.7244	1587.38
1341	0	22: 9:33	2.7424	1588.99
1350	0	22:10:38	2.7604	1590.60
1359	0	22:11:42	2.7784	1591.39
1368	0	22:12:47	2.7964	1593.01
1377	0	22:13:52	2.8145	1594.62
1386	0	22:14:57	2.8324	1595.41

WESTERN TESTING CO., INC.

Company: MTM PETROLEUM INC
Well: #1-22 BURKHOLDER
Field: TKT 22317 DST 1

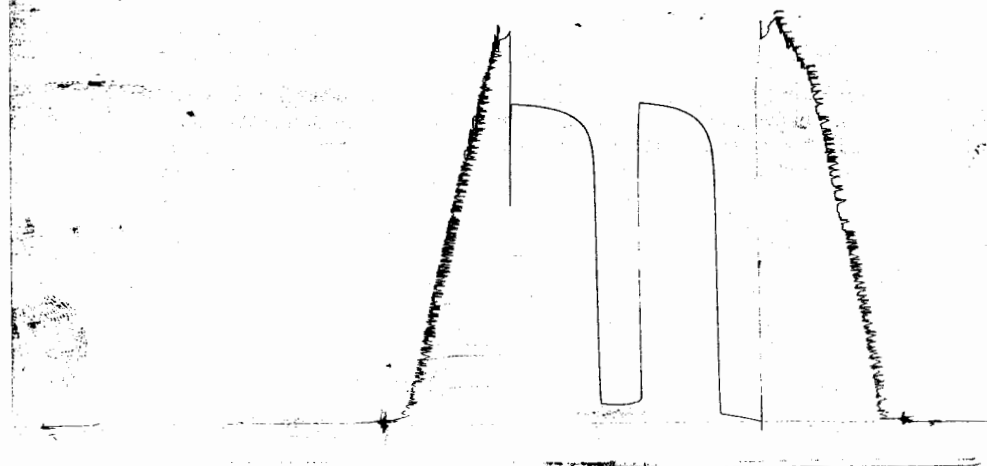
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1395	0	22:16: 2	2.8505	1597.03
1404	0	22:17: 6	2.8685	1597.82
1413	0	22:18:11	2.8865	1598.61
1422	0	22:19:16	2.9044	1599.40
1431	0	22:20:21	2.9224	1600.19
1440	0	22:21:26	2.9404	1600.98
1449	0	22:22:30	2.9584	1601.77
1458	0	22:23:35	2.9764	1602.56
1467	0	22:24:40	2.9944	1602.53
1476	0	22:25:45	3.0124	1602.50
1485	0	22:26:49	3.0304	1603.29
1494	0	22:27:54	3.0484	1604.08
1503	0	22:28:59	3.0664	1604.05
1512	0	22:30: 4	3.0844	1604.84
1521	0	22:31: 8	3.1023	1605.63
1530	0	22:32:13	3.1203	1606.42
1539	0	22:33:18	3.1383	1607.21
1548	0	22:34:23	3.1563	1607.97
1557	0	22:35:28	3.1743	1608.01

WESTERN TESTING CO., INC.

1340^D
DS #1
Top

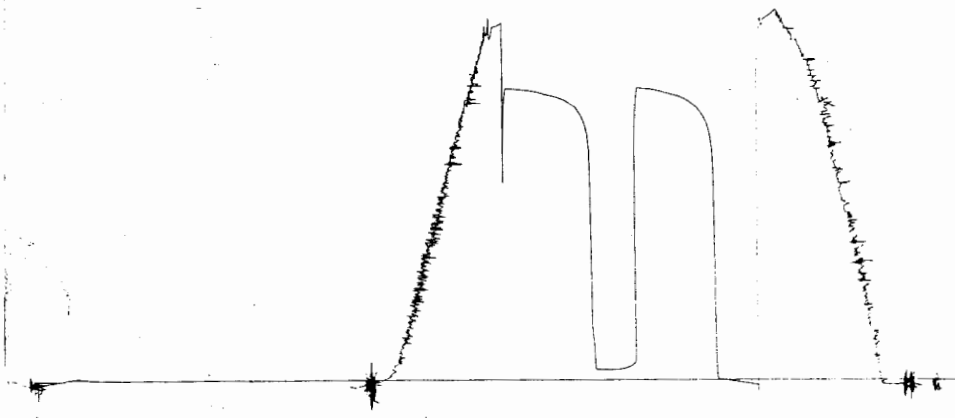
KT 22317



Inside Recorder

2604
DS #1
Bottom

KT 22317



Outside Recorder



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 22317

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1540 KB Formation KC Heathwa Eff. Pay Ft.

District PRAT Date 5-22-97 Customer Order No. -

COMPANY NAME MTM Petroleum Inc

ADDRESS Box 82 Spivey, KS

LEASE AND WELL NO. Burkholder #1-22 COUNTY HARPER STATE KS Sec. 22 Twp. 31S Rge. 7W

Mail Invoice To Turn Key No. Copies Requested Reg

Co. Name #1-22 Burkholder Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 4027 ft. to 4038 ft. Total Depth 4038 ft.

Packer Depth 4022 ft. Size 6 5/8 in. Packer Depth = ft. Size = in.

Packer Depth 4027 ft. Size 6 5/8 in. Packer Depth = ft. Size = in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4030 ft. Recorder Number 13400 Cap. 3930

Bottom Recorder Depth (Outside) 4033 ft. Recorder Number 2604 Cap. 4150

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Duke #1 Drill Collar Length - I. D. - in.

Mud Type Chemical Viscosity 52 Weight Pipe Length - I. D. - in.

Weight 9.1 Water Loss 11.2 cc. Drill Pipe Length 4005 I. D. 3.8 in.

Chlorides 8700 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 11 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: weak low slushy building to pin blow 4 1/2" submerged on 1st flow period
weak 2" blow on 2nd flow period

Recovered 120 ft. of slightly muddy salt water 15% mud 85% water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides 36,500 P.P.M. Sample Jars used 3 Remarks:

Time On Location 4:45 A.M. Time Pick Up Tool 5:35 A.M. Time Off Location 1:15 A.M.

Time Set Packer(s) 7:25 P.M. Time Started Off Bottom 10:25 A.M. Maximum Temperature 116° F

Initial Hydrostatic Pressure (A) 2025 P.S.I. 2041

Initial Flow Period Minutes 30 (B) 9 P.S.I. to (C) 48 P.S.I.

Initial Closed In Period Minutes 60 (D) 1610 P.S.I.

Final Flow Period Minutes 30 (E) 96 P.S.I. to (F) 106 P.S.I.

Final Closed In Period Minutes 60 (G) 1610 P.S.I.

Final Hydrostatic Pressure (H) 1986 P.S.I. 1975

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 18% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative WK Hager Thank You!

FIELD INVOICE

Open Hole Test \$☒
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$☒
Standby \$
Shale Packer \$
Extra Packer \$
Circ. Sub. \$
Milcage \$
Fluid Sampler \$
Extra Charts \$

DST REPORT

GENERAL INFORMATION

DATE	: 5/25/97	TICKET	: 22318		
CUSTOMER	: MTM PETROLEUM INC	LEASE	: BURKHOLDER		
WELL	: #1-22	TEST: 2	GEOLOGIST:		
ELEVATION	: 1548 KB	FORMATION	: SIMPSON		
SECTION	: 22	TOWNSHIP	: 31S		
RANGE	: 7W	COUNTY: HARPER	STATE	: KS	
GAUGE SN#	: 13400	RANGE	: 3950	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4789.00 ft TO: 4793.00 ft TVD: 4793.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS
DEPTH OF RECORDERS: 4780.0 ft 0.0 ft
TEMPERATURE: 122.0

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 :	4763.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	26.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	4.0 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:	4784.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4789.0 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 RIG 1	VISCOSITY :	55.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	15.200 cc
WEIGHT :	9.600 ppg	SERIAL NUMBER:	
CHLORIDES :	10800 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - OFF BOTTOM OF
BUCKET IN 2 MINUTES. FINAL FLOW PERIOD STRONG
BLOW - OFF BOTTOM OF BUCKET IN 5 MINUTES.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

RAN A/P HANGER/GAS TO SURFACE 3 MINUTES INTO
FINAL SHUTIN.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
135.0	1.0	15.0	30.0	54.0	SL OIL & GAS C/WTRY MUD
840.0	0.5	3.0	96.5	0.0	CHLORIDES 36500 PPM

RATE INFORMATION

OIL VOLUME: 0.0778 STB
GAS VOLUME: 3.5796 SCF
MUD VOLUME: 1.0225 STB
WATER VOLUME: 11.9378 STB
TOTAL FLUID : 13.0382 STB

TOTAL FLOW TIME: 60.0000 min.
AVERAGE OIL RATE: 2.6599 STB/D
AVERAGE WATER RATE: 310.2568 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2587.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	67.00	222.00
INITIAL SHUT-IN	45.00		1788.00
FINAL FLOW	30.00	290.00	406.00
FINAL SHUT-IN	60.00		1788.00

FINAL HYDROSTATIC PRESSURE: 2456.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2522.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	65.09	233.35
INITIAL SHUT-IN	45.00		1797.20
FINAL FLOW	30.00	307.85	430.34
FINAL SHUT-IN	60.00		1798.83

FINAL HYDROSTATIC PRESSURE: 2440.00

Company: MTM PETROLEUM INC
Well: #1-22 BURKHOLDER
Field: TKT 22318 DST 2

[Sunday: May. 25, 1997]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
START FLOW 1				
1	0	6:40:20	0.0000	65.09
3	0	6:40:34	0.0038	72.37
8	0	6:41:10	0.0138	72.42
13	0	6:41:46	0.0237	72.48
18	0	6:42:22	0.0338	70.11
23	0	6:42:58	0.0438	69.35
28	0	6:43:34	0.0538	69.40
33	0	6:44:10	0.0639	67.84
38	0	6:44:46	0.0739	67.89
43	0	6:45:22	0.0839	67.95
48	0	6:45:58	0.0938	68.80
53	0	6:46:34	0.1038	68.86
58	0	6:47:10	0.1138	69.71
63	0	6:47:46	0.1237	70.57
68	0	6:48:21	0.1337	71.43
73	0	6:48:57	0.1436	73.10
78	0	6:49:33	0.1536	74.76
83	0	6:50: 9	0.1635	77.23
88	0	6:50:45	0.1734	78.90
93	0	6:51:20	0.1834	80.57
98	0	6:51:56	0.1933	83.84
103	0	6:52:32	0.2032	86.32
108	0	6:53: 7	0.2131	89.60
113	0	6:53:43	0.2229	93.68
118	0	6:54:18	0.2328	97.77
123	0	6:54:54	0.2426	101.85
128	0	6:55:29	0.2525	105.94
133	0	6:56: 5	0.2624	110.02
138	0	6:56:40	0.2722	114.92
143	0	6:57:16	0.2821	119.00
148	0	6:57:51	0.2919	123.09
153	0	6:58:27	0.3018	127.17
158	0	6:59: 2	0.3117	131.26
163	0	6:59:38	0.3215	135.34
168	0	7: 0:13	0.3314	139.43
173	0	7: 0:49	0.3413	143.52
178	0	7: 1:24	0.3511	147.60
183	0	7: 2: 0	0.3610	151.69
188	0	7: 2:35	0.3708	156.58
193	0	7: 3:10	0.3806	161.47
198	0	7: 3:46	0.3905	166.36
203	0	7: 4:21	0.4004	170.45
208	0	7: 4:57	0.4102	174.53
213	0	7: 5:32	0.4201	178.62
218	0	7: 6: 8	0.4299	182.71
223	0	7: 6:43	0.4398	187.60
228	0	7: 7:19	0.4496	192.49
233	0	7: 7:54	0.4595	196.58
238	0	7: 8:30	0.4693	201.47
243	0	7: 9: 5	0.4792	205.55
248	0	7: 9:41	0.4890	209.64
253	0	7:10:16	0.4989	213.73
258	0	7:10:52	0.5088	217.00
263	0	7:11:27	0.5186	221.09

WESTERN TESTING CO., INC.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

RAN A/P HANGER/GAS TO SURFACE 3 MINUTES INTO
FINAL SHUTIN.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
135.0	1.0	15.0	30.0	54.0	SL OIL & GAS C/WTRY MUD
840.0	0.5	3.0	96.5	0.0	CHLORIDES 36500 PPM

RATE INFORMATION

OIL VOLUME: 0.0778 STB
 GAS VOLUME: 3.5796 SCF
 MUD VOLUME: 1.0225 STB
 WATER VOLUME: 11.9378 STB
 TOTAL FLUID : 13.0382 STB

TOTAL FLOW TIME: 60.0000 min.
 AVERAGE OIL RATE: 2.6599 STB/D
 AVERAGE WATER RATE: 310.2568 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2587.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	67.00	222.00
INITIAL SHUT-IN	45.00		1788.00
FINAL FLOW	30.00	290.00	406.00
FINAL SHUT-IN	60.00		1788.00

FINAL HYDROSTATIC PRESSURE: 2456.00

DST REPORT

GENERAL INFORMATION

DATE	: 5/25/97	TICKET	: 22318		
CUSTOMER	: MTM PETROLEUM INC	LEASE	: BURKHOLDER		
WELL	: #1-22	TEST: 2	GEOLOGIST:		
ELEVATION	: 1548 KB	FORMATION	: SIMPSON		
SECTION	: 22	TOWNSHIP	: 31S		
RANGE	: 7W	COUNTY: HARPER	STATE	: KS	
GAUGE SN#	: 13400	RANGE	: 3950	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4789.00 ft TO: 4793.00 ft TVD: 4793.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS
DEPTH OF RECORDERS: 4780.0 ft 0.0 ft
TEMPERATURE: 122.0

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 :	4763.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	26.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	4.0 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:	4784.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4789.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

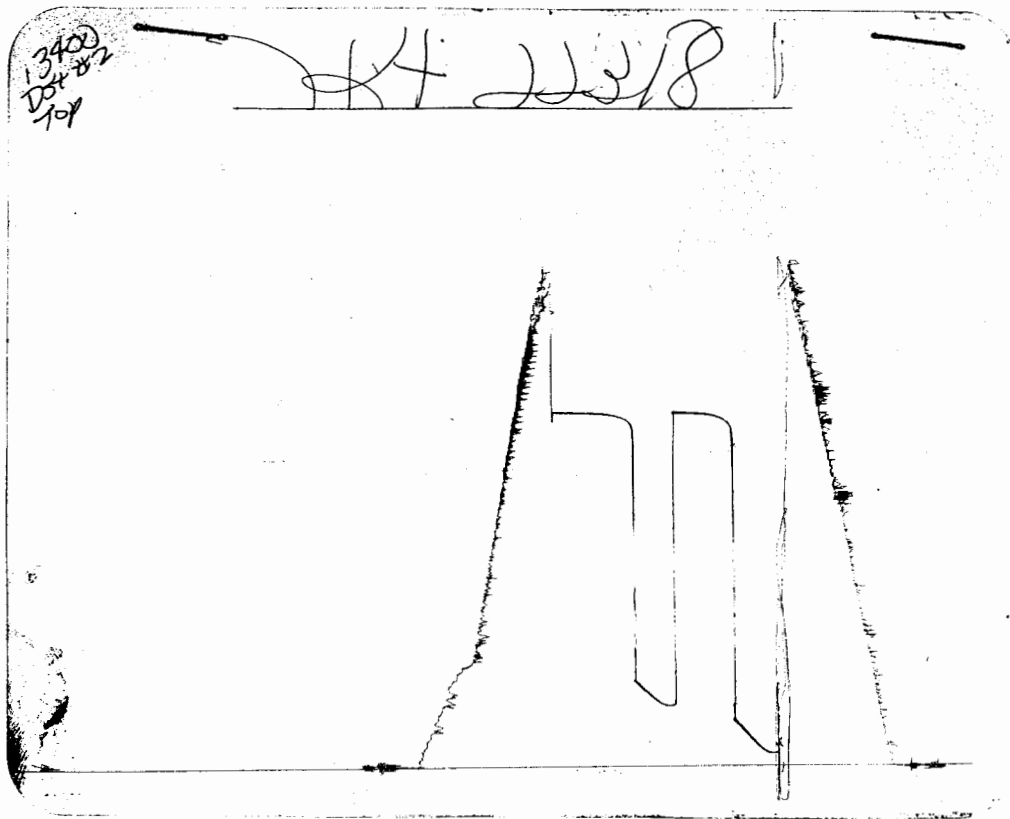
MUD INFORMATION

DRILLING CON. :	DUKE RIG 1	VISCOSITY :	55.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	15.200 cc
WEIGHT :	9.600 ppg	SERIAL NUMBER:	
CHLORIDES :	10800 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

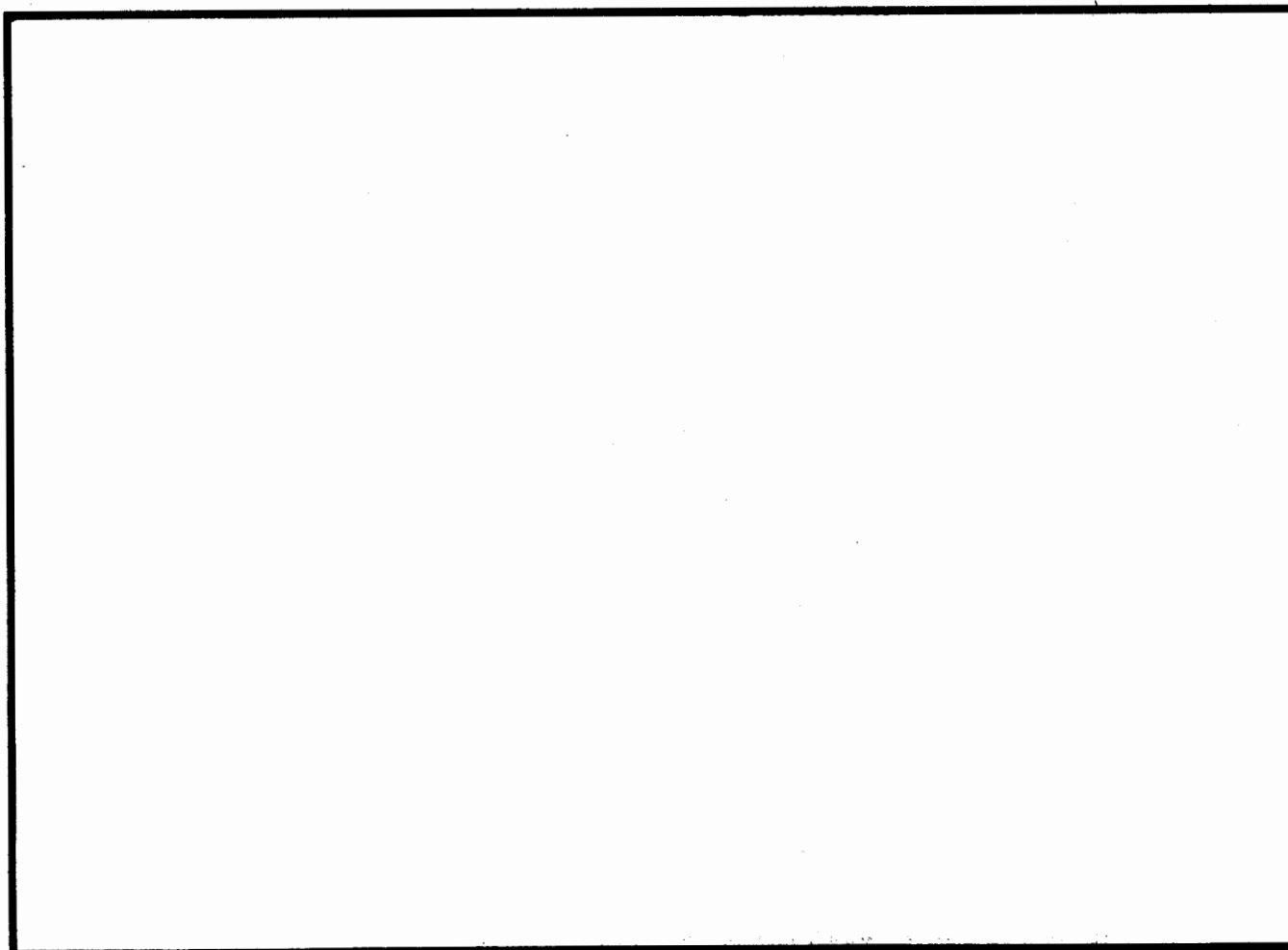
COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - OFF BOTTOM OF
BUCKET IN 2 MINUTES. FINAL FLOW PERIOD STRONG
BLOW - OFF BOTTOM OF BUCKET IN 5 MINUTES.



Inside Recorder



Outside Recorder



WESTERN TESTING CO., INC. FORMATION TESTING

TICKET No. 22318

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1548 KB Formation Simpson Eff. Pay _____ Ft.

District Pratt Date 5-25-97 Customer Order No. -

COMPANY NAME MTM Petroleum Inc

ADDRESS Box 82 Spivey Ks

LEASE AND WELL NO. Burkholder 1-22 COUNTY HARPER STATE Ks Sec. 22 Twp. 31S Rge. 7W

Mail Invoice To Turn Key No. Copies Requested Reg

Co. Name _____ Address _____

Mail Charts To _____ No. Copies Requested Reg

Address _____

Formation Test No. 2 Interval Tested From 4789 ft. to 4793 ft. Total Depth 4793 ft.

Packer Depth 4784 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4789 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4780 ft. Recorder Number 13400 Cap. 3950

Bottom Recorder Depth (Outside) - ft. Recorder Number - Cap. -

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Duke #1 Drill Collar Length - I. D. - in.

Mud Type Chemical Viscosity 55 Weight Pipe Length - I. D. - in.

Weight 9.6 Water Loss 15.2 cc. Drill Pipe Length 4763' I. D. 3.8 in.

Chlorides 10,800 P.P.M. Test Tool Length 26 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 4 ft. Size 5 1/2 in.

Did Well Flow? - Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 x 1 1/2 in.

Blow: Strong flow off bottom of bucket in 2 minutes on 1st flow period //

Strong flow off bottom of bucket in 5 minutes on 2nd flow period

Recovered 135 ft. of slightly oil & gas cut water mud 1" oil 158 gao 308 water

Recovered 840 ft. of slightly oil & gas cut water less than 1" oil 32 gao 963 water

Recovered _____ ft. of _____

Recovered _____ ft. of _____ 54% mud

Recovered _____ ft. of _____

Chlorides 78,000 P.P.M. Sample Jars used 30 Remarks: Ran A/P Hanger // gas in surface

30 minutes into fluid shut in

Time On Location 4:30 A.M. Time Pick Up Tool 5:00 A.M. Time Off Location 12:30 A.M.

Time Set Packer(s) 6:40 P.M. Time Started Off Bottom 9:25 A.M. Maximum Temperature 122 °F

Initial Hydrostatic Pressure (A) 2587 P.S.I. 2525

Initial Flow Period Minutes 30 (B) 67 P.S.I. to (C) 222 P.S.I.

Initial Closed In Period Minutes 45 (D) 1788 P.S.I.

Final Flow Period Minutes 30 (E) 290 P.S.I. to (F) 406 P.S.I.

Final Closed In Period Minutes 60 (G) 1788 P.S.I.

Final Hydrostatic Pressure (H) 2456 P.S.I. 2440

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 18% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By _____
Signature of Customer or his authorized representative

Western Representative WK Hagen Thanks You!

FIELD INVOICE

Open Hole Test \$ ☒
Misrun \$ _____
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ ☒
Safety Joint \$ ☒
Standby \$ _____
Shale Packer \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____
Test Fee \$ _____

Company: MTM PETROLEUM INC
Well: #1-22 BURKHOLDER
Field: TKT 22318 DST 2

[Sunday: May. 25, 1997]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1367	0	9:20:51	2.6753	1796.95
1372	0	9:21:27	2.6853	1797.00
1377	0	9:22: 3	2.6953	1797.06
1382	0	9:22:39	2.7053	1797.11
1387	0	9:23:15	2.7153	1797.16
1392	0	9:23:51	2.7253	1797.22
1397	0	9:24:27	2.7353	1797.27
1402	0	9:25: 3	2.7452	1798.14
1407	0	9:25:39	2.7552	1798.20
1412	0	9:26:15	2.7652	1798.25
1417	0	9:26:51	2.7752	1798.30
1422	0	9:27:27	2.7852	1798.36
1427	0	9:28: 3	2.7952	1798.41
1432	0	9:28:39	2.8052	1798.46
1437	0	9:29:15	2.8152	1798.51
1442	0	9:29:51	2.8252	1798.57
1447	0	9:30:27	2.8351	1798.62
1452	0	9:31: 3	2.8451	1798.67
1457	0	9:31:39	2.8551	1798.73
1462	0	9:32:15	2.8651	1798.78
1467	0	9:32:51	2.8751	1798.83

WESTERN TESTING CO., INC.

Company: MTM PETROLEUM INC
Well: #1-22 BURKHOLDER
Field: TKT 22318 DST 2

[Sunday: May. 25, 1997]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1092	0	8:47:54	2.1261	1783.82
1097	0	8:48:30	2.1361	1784.65
1102	0	8:49: 6	2.1461	1785.46
1107	0	8:49:42	2.1560	1786.23
1112	0	8:50:18	2.1660	1786.99
1117	0	8:50:54	2.1760	1787.73
1122	0	8:51:30	2.1859	1788.46
1127	0	8:52: 6	2.1960	1787.83
1132	0	8:52:41	2.2059	1788.71
1137	0	8:53:17	2.2159	1789.58
1142	0	8:53:53	2.2259	1790.46
1147	0	8:54:29	2.2358	1790.51
1152	0	8:55: 5	2.2458	1790.56
1157	0	8:55:41	2.2558	1790.62
1162	0	8:56:17	2.2658	1790.67
1167	0	8:56:53	2.2758	1790.72
1172	0	8:57:29	2.2858	1790.78
1177	0	8:58: 5	2.2958	1790.83
1182	0	8:58:41	2.3058	1790.88
1187	0	8:59:17	2.3158	1790.93
1192	0	8:59:53	2.3257	1791.81
1197	0	9: 0:29	2.3357	1792.69
1202	0	9: 1: 5	2.3457	1792.74
1207	0	9: 1:41	2.3557	1792.79
1212	0	9: 2:17	2.3657	1792.84
1217	0	9: 2:53	2.3757	1792.90
1222	0	9: 3:28	2.3856	1792.95
1227	0	9: 4: 5	2.3956	1793.00
1232	0	9: 4:40	2.4056	1793.06
1237	0	9: 5:16	2.4156	1793.11
1242	0	9: 5:52	2.4256	1793.16
1247	0	9: 6:28	2.4356	1793.21
1252	0	9: 7: 4	2.4456	1793.27
1257	0	9: 7:40	2.4556	1793.32
1262	0	9: 8:16	2.4656	1793.37
1267	0	9: 8:52	2.4756	1793.43
1272	0	9: 9:28	2.4856	1793.48
1277	0	9:10: 4	2.4955	1793.53
1282	0	9:10:40	2.5055	1794.41
1287	0	9:11:16	2.5155	1794.46
1292	0	9:11:52	2.5255	1794.51
1297	0	9:12:28	2.5355	1794.57
1302	0	9:13: 4	2.5455	1794.62
1307	0	9:13:40	2.5555	1794.67
1312	0	9:14:16	2.5655	1794.72
1317	0	9:14:52	2.5754	1794.78
1322	0	9:15:28	2.5854	1794.83
1327	0	9:16: 4	2.5954	1795.71
1332	0	9:16:40	2.6054	1795.76
1337	0	9:17:15	2.6154	1796.63
1342	0	9:17:51	2.6254	1796.69
1347	0	9:18:27	2.6353	1796.74
1352	0	9:19: 3	2.6453	1796.79
1357	0	9:19:39	2.6553	1796.85
1362	0	9:20:15	2.6653	1796.90

WESTERN TESTING CO., INC.

Company: MTM PETROLEUM INC
Well: #1-22 BURKHOLDER
Field: TKT 22318 DST 2

[Sunday: May. 25, 1997]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
814	0	8:17:16	1.6155	358.30
819	0	8:17:51	1.6253	362.39
824	0	8:18:27	1.6352	364.86
829	0	8:19: 3	1.6451	368.14
834	0	8:19:38	1.6550	372.23
839	0	8:20:14	1.6649	375.51
844	0	8:20:49	1.6747	378.78
849	0	8:21:25	1.6846	382.06
854	0	8:22: 1	1.6946	384.54
859	0	8:22:36	1.7044	388.62
864	0	8:23:12	1.7143	392.71
869	0	8:23:47	1.7241	396.79
874	0	8:24:23	1.7340	400.88
879	0	8:24:58	1.7439	404.96
884	0	8:25:34	1.7538	408.24
889	0	8:26: 9	1.7636	412.33
894	0	8:26:45	1.7735	416.41
899	0	8:27:20	1.7834	419.69
904	0	8:27:56	1.7932	423.78
909	0	8:28:31	1.8031	427.06
914	0	8:29: 7	1.8130	430.34
		END FLOW 2		
		START SHUTIN 2		
917	0	8:29:24	1.8178	467.48
922	0	8:29:40	1.8223	643.46
932	0	8:30:11	1.8307	1009.20
947	0	8:30:41	1.8392	1691.32
952	0	8:31:15	1.8486	1710.29
957	0	8:31:50	1.8583	1722.69
962	0	8:32:25	1.8680	1730.59
967	0	8:33: 0	1.8778	1735.30
972	0	8:33:36	1.8877	1740.48
977	0	8:34:11	1.8975	1745.15
982	0	8:34:47	1.9074	1749.28
987	0	8:35:22	1.9173	1752.87
992	0	8:35:58	1.9272	1755.97
997	0	8:36:34	1.9371	1758.67
1002	0	8:37: 9	1.9470	1761.05
1007	0	8:37:45	1.9569	1763.19
1012	0	8:38:21	1.9668	1765.11
1017	0	8:38:57	1.9768	1766.87
1022	0	8:39:32	1.9867	1768.50
1027	0	8:40: 8	1.9967	1770.01
1032	0	8:40:44	2.0066	1771.45
1037	0	8:41:20	2.0166	1772.81
1042	0	8:41:56	2.0265	1774.13
1047	0	8:42:31	2.0365	1775.40
1052	0	8:43: 7	2.0464	1776.63
1057	0	8:43:43	2.0564	1777.85
1062	0	8:44:19	2.0663	1779.05
1067	0	8:44:55	2.0763	1779.04
1072	0	8:45:31	2.0863	1780.09
1077	0	8:46: 7	2.0962	1781.09
1082	0	8:46:43	2.1062	1782.05
1087	0	8:47:18	2.1162	1782.95

WESTERN TESTING CO., INC.

Company: MTM PETROLEUM INC
Well: #1-22 BURKHOLDER
Field: TKT 22318 DST 2

[Sunday: May. 25, 1997]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
550	0	7:42:54	1.0427	1790.78
555	0	7:43:30	1.0527	1790.83
560	0	7:44: 6	1.0627	1790.89
565	0	7:44:42	1.0727	1792.58
570	0	7:45:18	1.0826	1792.64
575	0	7:45:54	1.0926	1792.69
580	0	7:46:30	1.1026	1792.74
585	0	7:47: 6	1.1126	1792.80
590	0	7:47:42	1.1226	1792.85
595	0	7:48:18	1.1326	1792.90
600	0	7:48:53	1.1426	1792.95
605	0	7:49:29	1.1525	1793.83
610	0	7:50: 5	1.1625	1793.88
615	0	7:50:41	1.1725	1793.94
620	0	7:51:17	1.1825	1793.99
625	0	7:51:53	1.1925	1794.04
630	0	7:52:29	1.2025	1795.74
635	0	7:53: 5	1.2125	1795.79
640	0	7:53:41	1.2224	1795.85
645	0	7:54:17	1.2324	1795.90
650	0	7:54:53	1.2424	1795.95
655	0	7:55:29	1.2524	1796.00
660	0	7:56: 5	1.2624	1796.06
665	0	7:56:41	1.2724	1796.11
670	0	7:57:17	1.2824	1796.16
675	0	7:57:53	1.2924	1796.22
680	0	7:58:29	1.3024	1796.27
685	0	7:59: 5	1.3123	1797.14
690	0	7:59:41	1.3223	1797.20
		END SHUTIN 1		
		START FLOW 2		
694	0	8: 2:58	1.3772	307.85
699	0	8: 3:34	1.3872	307.90
704	0	8: 4:10	1.3972	307.95
709	0	8: 4:46	1.4072	308.00
714	0	8: 5:22	1.4172	308.06
719	0	8: 5:58	1.4272	308.91
724	0	8: 6:34	1.4371	309.77
729	0	8: 7:10	1.4471	310.63
734	0	8: 7:45	1.4570	313.10
739	0	8: 8:21	1.4670	314.77
744	0	8: 8:57	1.4769	317.24
749	0	8: 9:33	1.4868	318.91
754	0	8:10: 8	1.4967	320.57
759	0	8:10:44	1.5067	322.24
764	0	8:11:20	1.5166	325.52
769	0	8:11:55	1.5265	327.99
774	0	8:12:31	1.5364	330.46
779	0	8:13: 7	1.5463	333.74
784	0	8:13:42	1.5562	337.82
789	0	8:14:18	1.5660	341.91
794	0	8:14:53	1.5759	345.19
799	0	8:15:29	1.5858	347.66
804	0	8:16: 5	1.5957	351.75
809	0	8:16:40	1.6056	355.03

WESTERN TESTING CO., INC.

Company: MTM PETROLEUM INC
Well: #1-22 BURKHOLDER
Field: TKT 22318 DST 2

[Sunday: May. 25, 1997]
Page 2

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
268	0	7:12: 3	0.5285	225.18
273	0	7:12:38	0.5384	229.26
278	0	7:13:14	0.5482	233.35
END FLOW 1				
START SHUTIN 1				
281	0	7:13:29	0.5524	292.27
287	0	7:13:45	0.5569	527.42
303	0	7:14:19	0.5663	1242.48
315	0	7:14:55	0.5765	1682.17
320	0	7:15:28	0.5856	1709.06
325	0	7:16: 4	0.5954	1716.62
330	0	7:16:39	0.6052	1723.63
335	0	7:17:14	0.6150	1729.87
340	0	7:17:49	0.6248	1735.21
345	0	7:18:25	0.6346	1739.72
350	0	7:19: 0	0.6445	1743.55
355	0	7:19:36	0.6544	1746.85
360	0	7:20:12	0.6643	1749.78
365	0	7:20:47	0.6742	1752.47
370	0	7:21:23	0.6841	1755.01
375	0	7:21:59	0.6940	1757.43
380	0	7:22:35	0.7040	1758.03
385	0	7:23:10	0.7139	1760.45
390	0	7:23:46	0.7239	1762.74
395	0	7:24:22	0.7338	1764.87
400	0	7:24:57	0.7437	1766.84
405	0	7:25:33	0.7536	1768.67
410	0	7:26: 9	0.7636	1770.37
415	0	7:26:45	0.7735	1771.97
420	0	7:27:21	0.7835	1773.46
425	0	7:27:56	0.7934	1774.86
430	0	7:28:32	0.8034	1776.17
435	0	7:29: 8	0.8133	1777.41
440	0	7:29:44	0.8233	1778.58
445	0	7:30:20	0.8332	1779.67
450	0	7:30:56	0.8432	1780.71
455	0	7:31:32	0.8532	1781.70
460	0	7:32: 7	0.8631	1782.63
465	0	7:32:43	0.8731	1783.52
470	0	7:33:19	0.8831	1784.38
475	0	7:33:55	0.8930	1785.20
480	0	7:34:31	0.9030	1786.00
485	0	7:35: 7	0.9130	1786.80
490	0	7:35:43	0.9229	1786.86
495	0	7:36:19	0.9329	1786.91
500	0	7:36:55	0.9429	1787.78
505	0	7:37:30	0.9529	1788.66
510	0	7:38: 6	0.9629	1788.71
515	0	7:38:42	0.9729	1788.76
520	0	7:39:18	0.9828	1788.82
525	0	7:39:54	0.9928	1788.87
530	0	7:40:30	1.0028	1789.75
535	0	7:41: 6	1.0128	1790.62
540	0	7:41:42	1.0228	1790.67
545	0	7:42:18	1.0327	1790.73

WESTERN TESTING CO., INC.