



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Mack Oil Co. Lease & Well No. Freeland #1
Elevation 1631 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticket No. 22652
Date 10-11-77 Sec. 24 Twp. 27S Range 8W County Kingman State Kansas
Test Approved by L.E. Moore Western Representative Norman Allen
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 3614' to 3631' Total Depth 3631'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Top Packer Depth 3609 Ft. Size 6 3/4 Bottom Packer Depth 3614 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth - Ft. Size -
Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 17 Ft. Size 4 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3624 Ft. Clock No. 8474 Depth 3627 Ft. Clock No. 6800
Top Make Kuster Cap. 3150 No. 1564 Inside Outside Bottom Make Kuster Cap. 4500 No. 3085 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 4:58P. M
Tool Open I.F.P. From 5:00P M. to 5:30P M. - Hr. 30 Min. From (B) 34 P.S.I. To (C) 74 P.S.I.
Tool Closed I.C.I.P. From 5:30PM to 6:30P M. - Hr. 60 Min (D) 1442 P.S.I.
Tool Open F.F.P. From 6:30P M. to 7:30P M. - Hr. 60 Min. From (E) 97 P.S.I. To (F) 164 P.S.I.
Tool Closed F.C.I.P. From 7:30PM to 9:00P M. - Hr. 90 Min. (G) 1430 P.S.I.
Initial Hydrostatic Pressure (A) 1860 P.S.I. Final Hydrostatic Pressure (H) 1817 P.S.I. Maximum Temp. 118

INFORMATION

BLOW Weak, steady blow throughout test.

Did Well Flow - ☒ Yes ☐ No Recovery Total Ft. 300' slightly muddy salt water.

Reversed Out - ☒ Yes ☐ No Mud Type Starch Viscosity 35 Weight 10.0 Water Loss 16.8 cc. Chlorides 76,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Rains & Williamson Drlg. Length Drill Pipe? 2901 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 690 Ft. I.D. Weight Pipe 3. In. Tool Joint Size 4 1/2 IF In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 40 Ft.

Remarks: Pressures from outside recorder # 3085.

WESTERN TESTING CO., INC.

Pressure Data

Date 10-11-77 Test Ticket No. 22652
 Recorder No. 3085 Capacity 4500 Location 3627 Ft.
 Clock No. 6800 Elevation 1631 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1860 P.S.I.	Open Tool	4:58 P.M.	
B First Initial Flow Pressure	34 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	74 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1442 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	97 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	164 P.S.I.			
G Final Closed-in Pressure	1430 P.S.I.			
H Final Hydrostatic Mud	1817 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	34	0	74	0	97	0	164
P 2 5	30	3	904	5	91	3	880
P 3 10	39	6	1321	10	98	6	1181
P 4 15	48	9	1359	15	105	9	1335
P 5 20	56	12	1377	20	111	12	1356
P 6 25	67	15	1390	25	117	15	1366
P 7 30	74	18	1400	30	124	18	1377
P 8		21	1410	35	131	21	1383
P 9		24	1414	40	139	24	1389
P 10		27	1419	45	146	27	1394
P 11		30	1423	50	152	30	1399
P 12		33	1427	55	159	33	1403
P 13		36	1429	60	164	36	1404
P 14		39	1431			39	1407
P 15		42	1434			42	1410
P 16		45	1436			45	1412
P 17		48	1438			48	1414
P 18		51	1440			51	1415
P 19		54	1442			54	1417
P 20		57	1442			57	1419
		60	1442			60	1420

WESTERN TESTING CO., INC.

Pressure Data

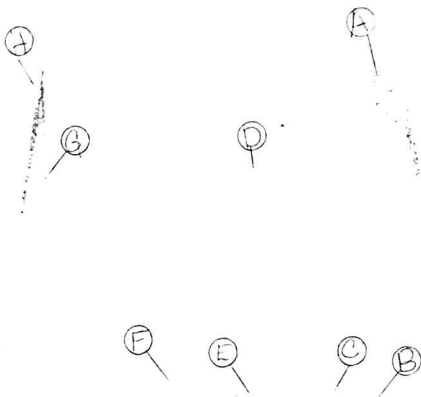
Date 10-11-77 Test Ticket No. 22652
 Recorder No. 3085 Capacity 4500 Location 3627 Ft.
 Clock No. 6800 Elevation 1631 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1860 P.S.I.	Open Tool	4:58P.M.	
B First Initial Flow Pressure	34 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	74 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1442 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	97 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	164 P.S.I.			
G Final Closed-in Pressure	1430 P.S.I.			
H Final Hydrostatic Mud	1817 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1421
P 2						66	1422
P 3						69	1423
P 4						72	1424
P 5						75	1425
P 6						78	1426
P 7						81	1427
P 8						84	1428
P 9						87	1429
P10						90	1430
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK-# 22653
O.



~~15-21~~ 3085



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Mack Oil Co. Lease & Well No. Freeland #1
Elevation 1631 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticket No. 21677
Date 10-12-77 Sec. 24 Twp. 27S Range 8W County Kingman State Kansas
Test Approved by L. E. Moore Western Representative Sam McClune
Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 3700' to 3725' Total Depth 3725'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Top Packer Depth 3700 Ft. Size 6 3/4 Bottom Packer Depth - Ft. Size -
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 25 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3703 Ft. Clock No. 6799 Depth 3706 Ft. Clock No. 6866
Top Make Kuster Cap. 4000 No. 3660 ~~Inside~~ Outside Bottom Make Kuster Cap. 4000 No. 3351 ~~Inside~~ Outside
Below Straddle: Depth - Rec. No. - Clock No. - ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside
Time Set Packer 9:47P M
Tool Open I.F.P. From 9:50 M. to 10:20 M. - Hr. 30 Min. From (B) 48 P.S.I. To (C) 61 P.S.I.
Tool Closed I.C.I.P. From 10:20 M. to 11:20 M. - Hr. 60 Min (D) 1337 P.S.I.
Tool Open F.F.P. From 11:20 M. to 12:20 M. - Hr. 60 Min. From (E) 109 P.S.I. To (F) 150 P.S.I.
Tool Closed F.C.I.P. From 12:20 M. to 1:50 M. - Hr. 90 Min. (G) 1323 P.S.I.
Initial Hydrostatic Pressure (A) 1941 P.S.I. Final Hydrostatic Pressure (H) 1903 P.S.I. Maximum Temp. 128

INFORMATION

BLOW Strong blow throughout test.

Did Well Flow -Yes X No Recovery Total Ft. 200' gas in pipe, 330' gas cut muddy salt water.

Reversed Out ☐ Yes ☒ No Mud Type Starch Viscosity 47 Weight 10. Water Loss 12.8 cc. Chlorides 67,000 p.p.m.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size - In. Make - Ser. No. -

Dual Packer No Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR R. W. #7 Length Drill Pipe? 3201 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 480 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 IF In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 44 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-12-77 Test Ticket No. 21677
 Recorder No. 3660 Capacity 4000 Location 3703 Ft.
 Clock No. 6794 Elevation 1631 Kelley Bushing Well Temperature 128 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1941 P.S.I. Open Tool 9:47 P M
 B First Initial Flow Pressure 48 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 61 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 1337 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 109 P.S.I. Final Closed-in Pressure 90 Mins. 90 Mins.
 F Second Final Flow Pressure 150 P.S.I.
 G Final Closed-in Pressure 1323 P.S.I.
 H Final Hydrostatic Mud 1903 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>48</u>	<u>0</u>	<u>61</u>	<u>0</u>	<u>109</u>	<u>0</u>	<u>150</u>
P 2 <u>5</u>	<u>45</u>	<u>3</u>	<u>275</u>	<u>5</u>	<u>103</u>	<u>3</u>	<u>320</u>
P 3 <u>10</u>	<u>45</u>	<u>6</u>	<u>615</u>	<u>10</u>	<u>103</u>	<u>6</u>	<u>613</u>
P 4 <u>15</u>	<u>45</u>	<u>9</u>	<u>1004</u>	<u>15</u>	<u>103</u>	<u>9</u>	<u>885</u>
P 5 <u>20</u>	<u>47</u>	<u>12</u>	<u>1167</u>	<u>20</u>	<u>105</u>	<u>12</u>	<u>1092</u>
P 6 <u>25</u>	<u>56</u>	<u>15</u>	<u>1233</u>	<u>25</u>	<u>109</u>	<u>15</u>	<u>1211</u>
P 7 <u>30</u>	<u>61</u>	<u>18</u>	<u>1267</u>	<u>30</u>	<u>114</u>	<u>18</u>	<u>1243</u>
P 8		<u>21</u>	<u>1288</u>	<u>35</u>	<u>120</u>	<u>21</u>	<u>1261</u>
P 9		<u>24</u>	<u>1299</u>	<u>40</u>	<u>128</u>	<u>24</u>	<u>1270</u>
P10		<u>27</u>	<u>1309</u>	<u>45</u>	<u>133</u>	<u>27</u>	<u>1279</u>
P11		<u>30</u>	<u>1316</u>	<u>50</u>	<u>138</u>	<u>30</u>	<u>1281</u>
P12		<u>33</u>	<u>1320</u>	<u>55</u>	<u>143</u>	<u>33</u>	<u>1284</u>
P13		<u>36</u>	<u>1323</u>	<u>60</u>	<u>150</u>	<u>36</u>	<u>1286</u>
P14		<u>39</u>	<u>1326</u>			<u>39</u>	<u>1289</u>
P15		<u>42</u>	<u>1329</u>			<u>42</u>	<u>1297</u>
P16		<u>45</u>	<u>1332</u>			<u>45</u>	<u>1299</u>
P17		<u>48</u>	<u>1333</u>			<u>48</u>	<u>1302</u>
P18		<u>51</u>	<u>1335</u>			<u>51</u>	<u>1303</u>
P19		<u>54</u>	<u>1337</u>			<u>54</u>	<u>1305</u>
P20		<u>57</u>	<u>1337</u>			<u>57</u>	<u>1306</u>
		<u>60</u>	<u>1337</u>			<u>60</u>	<u>1312</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 10-12-77

Test Ticket No. 21677

Recorder No. 3660 Capacity 4000 Location 3703 Ft.

Clock No. 6794 Elevation 1631 Kelley Bushing Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1941</u> P.S.I.	Open Tool	<u>9:47</u> P M	
B First Initial Flow Pressure	<u>48</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>61</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1337</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>109</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>150</u> P.S.I.			
G Final Closed-in Pressure	<u>1323</u> P.S.I.			
H Final Hydrostatic Mud	<u>1903</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

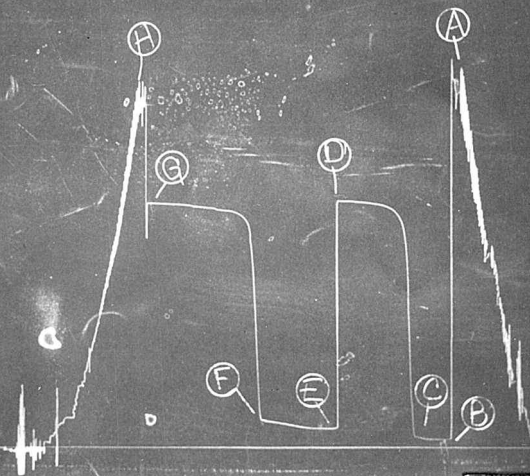
Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1316
P 2						66	1317
P 3						69	1319
P 4						72	1320
P 5						75	1321
P 6						78	1321
P 7						81	1322
P 8						84	1323
P 9						87	1323
P10						90	1323
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK#21677

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Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Mack Oil Co. Lease & Well No. Freeland #1
Elevation 1631 Kelly Bush Formation Mississippi Effective Pay - Ft. Ticket No. 22577
Date 10-15-77 Sec. 24 Twp. 27S Range 8W County Kingman State Kansas
Test Approved by L. Earl Moore Western Representative Tim Wilson
Formation Test No. 3 O.K. ☒ Misrun ☐ Interval Tested From 3925' to 4020' Total Depth 4020'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 3920 Ft. Size 6 3/4 Bottom Packer Depth 3925 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 95 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3951 Ft. Clock No. 9102 Depth 3954 Ft. Clock No. 9727
Top Make Kuster Cap. 3150 No. 1562 Inside Outside Bottom Make Kuster Cap. 3200 No. 1561 == Inside Outside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ Inside Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ Inside Outside
Time Set Packer 7:27A. M
Tool Open I.F.P. From 7:30A M. to 8:00A M. - Hr. 30 Min. From (B) 100 P.S.I. To (C) 192 P.S.I.
Tool Closed I.C.I.P. From 8:00A M. to 9:00A M. - Hr. 60 Min (D) 1210 P.S.I.
Tool Open F.F.P. From 9:00A M. to 10:00A M. - Hr. 60 Min. From (E) 220 P.S.I. To (F) 266 P.S.I.
Tool Closed F.C.I.P. From 10:00A M. to 11:30A M. - Hr. 90 Min. (G) 1241 P.S.I.
Initial Hydrostatic Pressure (A) 2076 P.S.I. Final Hydrostatic Pressure (H) 1937 P.S.I. Maximum Temp. 129

INFORMATION

BLOW Very strong blow throughout test. Gas to surface in 15 minutes. See attached sheet for gas measurements.

Did Well Flow - Yes ☒ No ☐ Recovery Total Ft. 660' of froggy muddy salt water.

Reversed Out - Yes ☒ No ☐ Mud Type Starch Viscosity 46 Weight 9.8 Water Loss 14.0 cc. Chlorides 66,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☐ Jars: Size ☐ In. Make ☐ Ser. No. ☐

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? ☐

DRILLING CONTRACTOR Rains & Williamson (#7) Length Drill Pipe? 3474 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 631 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars ☐ Ft. I.D. Drill Collars ☐ In.

Tool Joint Size ☐ In. Length D.S.T. Tool 115 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-15-77 Test Ticket No. 22577
 Recorder No. 1562 Capacity 3150 Location 3951 Ft.
 Clock No. 9102 Elevation 1631 Kelly Bushing Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2076 P.S.I.	Open Tool	7:27 A M	
B First Initial Flow Pressure	100 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	192 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1210 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	220 P.S.I.	Final Closed-in Pressure	90 Mins.	87 Mins.
F Second Final Flow Pressure	266 P.S.I.			
G Final Closed-in Pressure	1241 P.S.I.			
H Final Hydrostatic Mud	1937 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>29</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>100</u>	<u>0</u>	<u>192</u>	<u>0</u>	<u>220</u>	<u>0</u>	<u>266</u>
P 2 <u>5</u>	<u>257</u>	<u>3</u>	<u>301</u>	<u>5</u>	<u>207</u>	<u>3</u>	<u>348</u>
P 3 <u>10</u>	<u>302</u>	<u>5</u>	<u>419</u>	<u>10</u>	<u>207</u>	<u>6</u>	<u>442</u>
P 4 <u>15</u>	<u>461</u>	<u>9</u>	<u>533</u>	<u>15</u>	<u>207</u>	<u>9</u>	<u>525</u>
P 5 <u>20</u>	<u>192</u>	<u>12</u>	<u>619</u>	<u>20</u>	<u>213</u>	<u>12</u>	<u>602</u>
P 6 <u>25</u>	<u>184</u>	<u>15</u>	<u>702</u>	<u>25</u>	<u>223</u>	<u>15</u>	<u>666</u>
P 7 <u>30</u>	<u>192</u>	<u>18</u>	<u>772</u>	<u>30</u>	<u>234</u>	<u>18</u>	<u>726</u>
P 8		<u>21</u>	<u>835</u>	<u>35</u>	<u>242</u>	<u>21</u>	<u>784</u>
P 9		<u>24</u>	<u>886</u>	<u>40</u>	<u>250</u>	<u>24</u>	<u>832</u>
P10		<u>27</u>	<u>935</u>	<u>45</u>	<u>256</u>	<u>27</u>	<u>875</u>
P11		<u>30</u>	<u>978</u>	<u>50</u>	<u>261</u>	<u>30</u>	<u>914</u>
P12		<u>33</u>	<u>1015</u>	<u>55</u>	<u>265</u>	<u>33</u>	<u>949</u>
P13		<u>36</u>	<u>1050</u>	<u>60</u>	<u>266</u>	<u>36</u>	<u>978</u>
P14		<u>39</u>	<u>1079</u>			<u>39</u>	<u>1006</u>
P15		<u>42</u>	<u>1107</u>			<u>42</u>	<u>1032</u>
P16		<u>45</u>	<u>1129</u>			<u>45</u>	<u>1055</u>
P17		<u>48</u>	<u>1151</u>			<u>48</u>	<u>1077</u>
P18		<u>51</u>	<u>1169</u>			<u>51</u>	<u>1094</u>
P19		<u>54</u>	<u>1186</u>			<u>54</u>	<u>1113</u>
P20		<u>57</u>	<u>1201</u>			<u>58</u>	<u>1129</u>
		<u>60</u>	<u>1210</u>			<u>60</u>	<u>1146</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 10-15-77

Test Ticket No. 22577

Recorder No. 1562

Capacity 3150

Location 3951 Ft.

Clock No. 9102

Elevation 1631 Kelly Bushing

Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2076</u> P.S.I.	Open Tool	<u>7:27</u> A M	
B First Initial Flow Pressure	<u>100</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>192</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1210</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>220</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>87</u> Mins.
F Second Final Flow Pressure	<u>266</u> P.S.I.			
G Final Closed-in Pressure	<u>1241</u> P.S.I.			
H Final Hydrostatic Mud	<u>1937</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>29</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						<u>63</u>	<u>1160</u>
P 2						<u>66</u>	<u>1172</u>
P 3						<u>69</u>	<u>1185</u>
P 4						<u>72</u>	<u>1195</u>
P 5						<u>75</u>	<u>1206</u>
P 6						<u>78</u>	<u>1216</u>
P 7						<u>81</u>	<u>1225</u>
P 8						<u>84</u>	<u>1234</u>
P 9						<u>87</u>	<u>1241</u>
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Trt# 22577I