

Company Molz Oil Company Lease & Well No. Schiff McGuire #1
 Elevation 1464 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 6301
 Date 6-25-80 Sec. 20 Twp. 32S Range 10W County Barber State Kansas
 Test Approved by Gordon W. Keen Western Representative Roger A. Mounts
 Formation Test No. 1 Interval Tested from 4386 ft. to 4411 ft. Total Depth 4411 ft.
 Packer Depth 4381 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4386 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4393 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 4396 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Sweetman Drlg. (#1) Drill Collar Length 248 I. D. 2.2 in.
 Mud Type Drispac Viscosity 56 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 10.8 cc. Drill Pipe Length 4111 I. D. 3.8 in.
 Chlorides - P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
 Jars: Make W.T.C. Serial Number 3660 Anchor Length 25 ft. Size 5 1/2 OD in.
 Did Well Flow? - Reversed Out - 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 XH in.

Blow: Weak to very weak blow on initial flow period. Flushed tool, second flow period, very weak blow slightly building to strong blow in 30 minutes.

Recovered 248 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:14 ~~A.M.~~ P.M. Time Started Off Bottom 10:49 ~~A.M.~~ P.M. Maximum Temperature -
 Initial Hydrostatic Pressure 2251 P.S.I. (A)
 Initial Flow Period 20 Minutes (B) 199 P.S.I. to (C) 153 P.S.I.
 Initial Closed In Period 42 Minutes (D) 978 P.S.I.
 Final Flow Period 45 Minutes (E) 253 P.S.I. to (F) 186 P.S.I.
 Final Closed In Period 93 Minutes (G) 1282 P.S.I.
 Final Hydrostatic Pressure 2247 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 6-25-80

Test Ticket No. 6301

Recorder No. 1566 Capacity 4300 Location 4393 Ft.

Clock No. - Elevation 1464 Kelly Bushing Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2251	P.S.I.	7:14P.	M
B First Initial Flow Pressure	199	P.S.I.	20	Mins. 20 Mins.
C First Final Flow Pressure	153	P.S.I.	45	Mins. 42 Mins.
D Initial Closed-in Pressure	978	P.S.I.	60	Mins. 45 Mins.
E Second Initial Flow Pressure	253	P.S.I.	90	Mins. 93 Mins.
F Second Final Flow Pressure	186	P.S.I.		
G Final Closed-in Pressure	1282	P.S.I.		
H Final Hydrostatic Mud	2247	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: <u>31</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	1144
P 2						66	1166
P 3						69	1180
P 4						72	1192
P 5						75	1208
P 6						78	1226
P 7						81	1239
P 8						84	1254
P 9						87	1263
P10						90	1272
P11						93	1282
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WESTERN TESTING CO., INC.

Pressure Data

Date 6-25-80 Recorder No. 1566 Capacity 4300 Test Ticket No. 6301 Location 4393 Ft.
 Clock No. - Elevation 1464 Kelly Bushing Well Temperature - °F

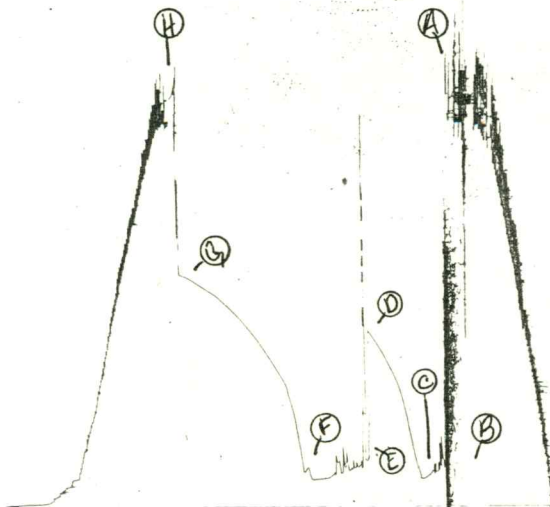
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2251	P.S.I.	7:14P.	M
B First Initial Flow Pressure	199	P.S.I.	20	Mins.
C First Final Flow Pressure	153	P.S.I.	45	Mins.
D Initial Closed-in Pressure	978	P.S.I.	60	Mins.
E Second Initial Flow Pressure	253	P.S.I.	90	Mins.
F Second Final Flow Pressure	186	P.S.I.		
G Final Closed-in Pressure	1282	P.S.I.		
H Final Hydrostatic Mud	2247	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>4</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>31</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>199</u>	<u>0</u>	<u>153</u>	<u>0</u>	<u>253</u>	<u>0</u>	<u>186</u>
P 2 <u>5</u> Plugging action		<u>3</u>	<u>238</u>	<u>5</u> Plugging Action		<u>3</u>	<u>337</u>
P 3 <u>10</u> Plugging action		<u>6</u>	<u>335</u>	<u>10</u> Plugging Action		<u>6</u>	<u>446</u>
P 4 <u>15</u>	<u>168</u>	<u>9</u>	<u>435</u>	<u>15</u> Plugging Action		<u>9</u>	<u>543</u>
P 5 <u>20</u>	<u>153</u>	<u>12</u>	<u>534</u>	<u>20</u> Plugging Action		<u>12</u>	<u>607</u>
P 6		<u>15</u>	<u>611</u>	<u>25</u> Plugging Action		<u>15</u>	<u>675</u>
P 7		<u>18</u>	<u>676</u>	<u>30</u> Plugging Action		<u>18</u>	<u>718</u>
P 8		<u>21</u>	<u>729</u>	<u>35</u> Plugging Action		<u>21</u>	<u>755</u>
P 9		<u>24</u>	<u>770</u>	<u>40</u> Plugging Action		<u>24</u>	<u>794</u>
P10		<u>27</u>	<u>812</u>	<u>45</u>	<u>186</u>	<u>27</u>	<u>826</u>
P11		<u>30</u>	<u>854</u>			<u>30</u>	<u>860</u>
P12		<u>33</u>	<u>893</u>			<u>33</u>	<u>890</u>
P13		<u>36</u>	<u>925</u>			<u>36</u>	<u>925</u>
P14		<u>39</u>	<u>956</u>			<u>39</u>	<u>955</u>
P15		<u>42</u>	<u>978</u>			<u>42</u>	<u>981</u>
P16						<u>45</u>	<u>1011</u>
P17						<u>48</u>	<u>1039</u>
P18						<u>51</u>	<u>1058</u>
P19						<u>54</u>	<u>1081</u>
P20						<u>57</u>	<u>1103</u>
						<u>60</u>	<u>1122</u>

1566

TKI# 6301
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Company Molz Oil Company Lease & Well No. Schiff McGuire #1
Elevation 1464 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 6302
Date 6-26-80 Sec. 20 Twp. 32S Range 10W County Barber State Kansas
Test Approved by Gordon W. Keen Western Representative Roger A. Mounts
Formation Test No. 2 Interval Tested from 4411 ft. to 4425 ft. Total Depth 4425 ft.
Packer Depth 4406 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4411 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4413 ft. Recorder Number 1566 Cap. 4300
Bottom Recorder Depth (Outside) 4416 ft. Recorder Number 3086 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Sweetman Drilling (#1) Drill Collar Length 248 I. D. 2.2 in.
Mud Type Driscap Viscosity 57 Weight Pipe Length - I. D. - in.
Weight 9.0 Water Loss 8.8 cc. Drill Pipe Length 4136 I. D. 3.8 in.
Chlorides 34,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 OD in.
Jars: Make W.T.C. Serial Number 3660 Anchor Length 14 ft. Size 5 1/2 OD in.
Did Well Flow? - Reversed Out - 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 XH in.

Blow: Good, strong, steady blow throughout test. (No gas)

Recovered 30 ft. of drilling mud.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:47 ~~AM~~ P.M. Time Started Off Bottom 4:31 ~~AM~~ P.M. Maximum Temperature 123
Initial Hydrostatic Pressure 2279 P.S.I.
Initial Flow Period 30 Minutes (B) 39 P.S.I. to (C) 28 P.S.I.
Initial Closed In Period 42 Minutes (D) 407 P.S.I.
Final Flow Period 60 Minutes (E) 39 P.S.I. to (F) 31 P.S.I.
Final Closed In Period 93 Minutes (G) 869 P.S.I.
Final Hydrostatic Pressure 2277 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 6-26-80 Recorder No. 1566 Capacity 4300 Test Ticket No. 6302 Location 4413 Ft.
 Clock No. - Elevation 1464 Kelly Bushing Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2279 P.S.I.	Open Tool	12:47 M	
B First Initial Flow Pressure	39 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	28 P.S.I.	Initial Closed-in Pressure	45 Mins.	42 Mins.
D Initial Closed-in Pressure	407 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	39 P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
F Second Final Flow Pressure	31 P.S.I.			
G Final Closed-in Pressure	869 P.S.I.			
H Final Hydrostatic Mud	2277 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>31</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	39	0	28	0	39	0	31
P 2 5	33	3	28	5	33	3	56
P 3 10	31	6	28	10	31	6	102
P 4 15	28	9	28	15	31	9	146
P 5 20	28	12	30	20	33	12	192
P 6 25	28	15	40	25	33	15	231
P 7 30	28	18	71	30	33	18	268
P 8		21	116	35	33	21	305
P 9		24	164	40	33	24	348
P10		27	211	45	31	27	382
P11		30	253	50	31	30	416
P12		33	295	55	31	33	448
P13		36	333	60	31	36	480
P14		39	368			39	508
P15		42	407			42	541
P16						45	565
P17						48	589
P18						51	616
P19						54	644
P20						57	669
						60	691

WESTERN TESTING CO., INC.

Pressure Data

Date 6-26-80 Test Ticket No. 6302
 Recorder No. 1566 Capacity 4300 Location 4413 Ft.
 Clock No. - Elevation 1464 Kelly Bushing Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2279</u> P.S.I.	Open Tool	<u>12:47</u> M	
B First Initial Flow Pressure	<u>39</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>28</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>407</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>39</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	<u>31</u> P.S.I.			
G Final Closed-in Pressure	<u>869</u> P.S.I.			
H Final Hydrostatic Mud	<u>2277</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>14</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>31</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	691
P 2						66	714
P 3						69	740
P 4						72	755
P 5						75	771
P 6						78	791
P 7						81	809
P 8						84	823
P 9						87	841
P10						90	854
P11						93	869
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK#6302
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