



INC.

P. O. Box 1599

Wichita, Kansas 67201

Company Robinson Oil Company & Sweetman Drilling, Inc. Lease & Well No. Mollohan A #1
Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 21638
Date 8-1-76 Sec. 34 Twp. 33S Range 7W County Harper State Kansas
Test Approved by James F. Dilts Western Representative Bill Hager
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4078' to 4129' Total Depth 4129'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Top Packer Depth 4073 Ft. Size 6 3/4 Bottom Packer Depth 4078 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 51 Ft. Size 20' 5 1/2 OD Surface Choke Size 31' - 6 1/4 DC In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4085 Ft. Clock No. 6799 Depth 4087 Ft. Clock No. 9726
Top Make Kuster Cap. 4150 No. 2606 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 5:41 P. M.
Tool Open I.F.P. From 5:42P M. to 6:12P M. - Hr. 30 Min. From (B) 59 P.S.I. To (C) 83 P.S.I.
Tool Closed I.C.I.P. From 6:12PM to 6:42P M. - Hr. 30 Min (D) 1204 P.S.I.
Tool Open F.F.P. From 6:42P M. to 7:12P M. - Hr. 30 Min. From (E) 100 P.S.I. To (F) 103 P.S.I.
Tool Closed F.C.I.P. From 7:12PM to 7:42P M. - Hr. 30 Min. (G) 1001 P.S.I.
Initial Hydrostatic Pressure (A) 2073 P.S.I. Final Hydrostatic Pressure (H) 2044 P.S.I. Maximum Temp. -

INFORMATION

BLOW Weak blow for 30 minutes.Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 130' of drilling mud.Reversed Out ☐ Yes ☒ No Mud Type Impermeable Viscosity 38 Weight 9.4 Water Loss 52.4 cc. Chlorides 14000 PPMEXTRA 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 Sweetman Drlg, Inc. Length Drill Pipe? 3811 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH InLength Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 248 Ft. I.D. Drill Collars 2 1/4 InTool Joint Size 4H-90 In. Length D.S.T. Tool 70 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 8-1-76 Test Ticket No. 21638

Recorder No. 2606 Capacity 4150 Location 4085 Ft.

Clock No. 6799 Elevation - Well Temperature - °F

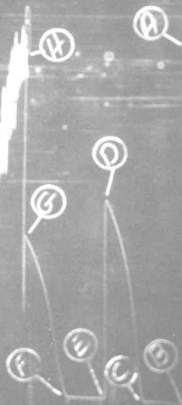
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2073</u> P.S.I.	<u>5:41P</u>	<u>M</u>
B First Initial Flow Pressure	<u>59</u> P.S.I.	<u>30</u> Mins.	<u>32</u> Mins.
C First Final Flow Pressure	<u>83</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1204</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>100</u> P.S.I.	<u>30</u> Mins.	<u>36</u> Mins.
F Second Final Flow Pressure	<u>103</u> P.S.I.		
G Final Closed-in Pressure	<u>1001</u> P.S.I.		
H Final Hydrostatic Mud	<u>2044</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>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>12</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>2</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>59</u>	<u>0</u>	<u>83</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>103</u>
P 2 <u>5</u>	<u>61</u>	<u>3</u>	<u>201</u>	<u>5</u>	<u>98</u>	<u>3</u>	<u>154</u>
P 3 <u>10</u>	<u>75</u>	<u>6</u>	<u>399</u>	<u>10</u>	<u>98</u>	<u>6</u>	<u>244</u>
P 4 <u>15</u>	<u>77</u>	<u>9</u>	<u>564</u>	<u>15</u>	<u>100</u>	<u>9</u>	<u>358</u>
P 5 <u>20</u>	<u>79</u>	<u>12</u>	<u>714</u>	<u>20</u>	<u>101</u>	<u>12</u>	<u>474</u>
P 6 <u>25</u>	<u>80</u>	<u>15</u>	<u>834</u>	<u>25</u>	<u>102</u>	<u>15</u>	<u>582</u>
P 7 <u>30</u>	<u>82</u>	<u>18</u>	<u>932</u>	<u>30</u>	<u>103</u>	<u>18</u>	<u>673</u>
P 8 <u>32</u>	<u>83</u>	<u>21</u>	<u>1018</u>			<u>21</u>	<u>753</u>
P 9		<u>24</u>	<u>1084</u>			<u>24</u>	<u>821</u>
P10		<u>27</u>	<u>1145</u>			<u>27</u>	<u>881</u>
P11		<u>30</u>	<u>1204</u>			<u>30</u>	<u>939</u>
P12						<u>33</u>	<u>984</u>
P13						<u>36</u>	<u>1001</u>
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TAT 21638

I





INC.

P. O. Box 1599

Wichita, Kansas 67201

Company Robinson Oil Company & Sweetman Drilling Co. Lease & Well No. Mollohan #1- A
Elevation 1332 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 22268
Date 8-3-76 Sec. 34 Twp. 33S Range 7W County Harper State KS
Test Approved by James F. Dilts Western Representative Bill Hager
Formation Test No. #2 O.K. ☒ Misrun ☐ Interval Tested From 4536' to 4560' Total Depth 4560'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☒ Yes ☐ No Conv. ☐ B.T. ☒ Damaged ☒ Yes ☐ No
Top Packer Depth 4531 Ft. Size - Bottom Packer Depth 4536 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 24 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4546 Ft. Clock No. 6799 Depth 4549 Ft. Clock No. 9712
Top Make Kuster Cap. 4150 No. 2604 ☐ Inside ☒ Outside Bottom Make Kuster Cap. 4000 No. 3660 ☐ Inside ☒ Outside
Below Straddle: Depth - Rec. No. - Clock No. - ☐ Inside ☒ Outside Depth - Ft. Rec. No. - Clock No. - ☐ Inside ☒ Outside
Time Set Packer 12:23 P M
Tool Open I.F.P. From 12:35P M. to 1:20P M. - Hr. 45 Min. From (B) 62 P.S.I. To (C) 60 P.S.I.
Tool Closed I.C.I.P. From 1:20P M. to 2:20P M. 1 Hr. - Min (D) 393 P.S.I.
Tool Open F.F.P. From 2:20P M. to 3:20P M. 1 Hr. - Min. From (E) 83 P.S.I. To (F) 72 P.S.I.
Tool Closed F.C.I.P. From 3:20P M. to 4:50P M. 1 Hr. 30 Min. (G) 1000 P.S.I.
Initial Hydrostatic Pressure (A) 2403 P.S.I. Final Hydrostatic Pressure (H) 2386 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Strong blow throughout testDid Well Flow ☐ Yes ☒ No Recovery Total Ft. 45' slightly oil & gas cut mud 60' heavy oil and gas cut mud 1980' of gas in pipeReversed Out ☐ Yes ☒ No Mud Type Chem Viscosity 45 Weight 9.5 Water Loss 24.0 cc. Chlorides 12,000 PPMEXTRA 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 Sweetman Drilling Co. Length Drill Pipe? 4245 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 270 Ft. I.D. Drill Collars 2 1/4 In.Tool Joint Size 4 H90 Length D.S.T. Tool 45 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 8-3-76 Test Ticket No. 22268

Recorder No. 2604 Capacity 4150 Location 4546 Ft.

Clock No. 6799 Elevation - Well Temperature 120 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2403 P.S.I.	12:33 P. M.	
B First Initial Flow Pressure	62 P.S.I.	45 Mins.	45 Mins.
C First Final Flow Pressure	60 P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	393 P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	83 P.S.I.	90 Mins.	90 Mins.
F Second Final Flow Pressure	72 P.S.I.		
G Final Closed-in Pressure	1000 P.S.I.		
H Final Hydrostatic Mud	2386 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</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	62	0	60	0	83	0	72
P 2 5	44	3	68	5	72	3	84
P 3 10	45	6	82	10	68	6	106
P 4 15	48	9	98	15	68	9	135
P 5 20	51	12	111	20	67	12	165
P 6 25	53	15	124	25	67	15	195
P 7 30	55	18	136	30	68	18	230
P 8 35	58	21	147	35	68	21	258
P 9 40	59	24	160	40	69	24	290
P10 45	60	27	176	45	69	27	322
P11		30	195	50	70	30	354
P12		33	213	55	71	33	382
P13		36	233	60	72	36	414
P14		39	254			39	447
P15		42	274			42	476
P16		45	297			45	505
P17		48	319			48	537
P18		51	342			51	571
P19		54	363			54	601
P20		57	384			57	633
		60	393			60	668

WESTERN TESTING CO., INC.

Pressure Data

Date 8-3-76 Test Ticket No. 22268
 Recorder No. 2604 Capacity 4150 Location 4546 Ft.
 Clock No. 6799 Elevation - Well Temperature 120 °F

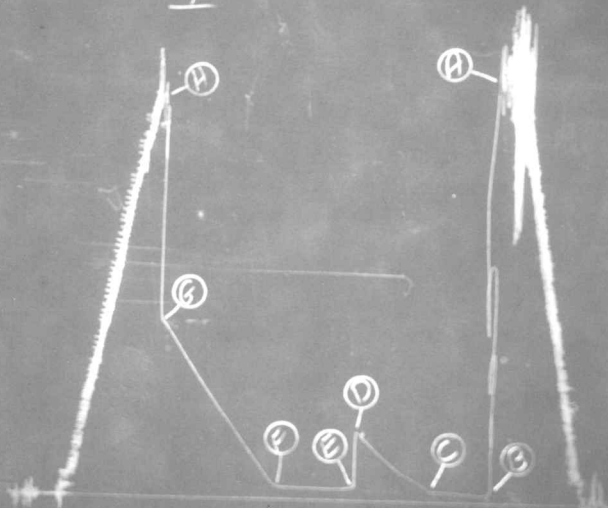
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2403</u> P.S.I.	Open Tool	<u>12:33</u> P. M.	
B First Initial Flow Pressure	<u>62</u> P.S.I.	First Flow Pressure		Mins. Mins.
C First Final Flow Pressure	<u>60</u> P.S.I.	Initial Closed-in Pressure		Mins. Mins.
D Initial Closed-in Pressure	<u>393</u> P.S.I.	Second Flow Pressure		Mins. Mins.
E Second Initial Flow Pressure	<u>83</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>72</u> P.S.I.			
G Final Closed-in Pressure	<u>1000</u> P.S.I.			
H Final Hydrostatic Mud	<u>2386</u> 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>30</u> Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of <u>3</u> mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	703
P 2						66	734
P 3						69	768
P 4						72	800
P 5						75	836
P 6						78	872
P 7						81	907
P 8						84	942
P 9						87	975
P10						90	1000
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TAT[#] 22268

I





INC.

P. O. Box 1599
Wichita, Kansas 67201

Company Robinson Oil Company & Sweetman Drilling Co. Lease & Well No. Mollohan #1
Elevation 1332 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 22269
Date 8-4-76 Sec. 34 Twp. 33S Range 7W County Harper State Kansas
Test Approved by James F. Dilts Western Representative Bill Hager
Formation Test No. 3 O.K. ☒ Misrun ☐ Interval Tested From 4560' to 4575' Total Depth 4575'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☒ Yes ☐ No
Top Packer Depth 4555' Ft. Size 6 3/4 Bottom Packer Depth 4560 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 15 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4565 Ft. Clock No. 6799 Depth 4568 Ft. Clock No. 9712
Top Make Kuster Cap. 4150 No. 2604 Inside ☐ Outside ☒ Bottom Make Kuster Cap. 4000 No. 3660 Inside ☒ Outside ☐
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ Inside ☐ Outside ☐ Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ Inside ☐ Outside ☐
Time Set Packer 5:05 A. ☐ M. ☒
Tool Open I.F.P. From 5:07A M. to 5:37A M. ☐ Hr. 30 Min. From (B) 101 P.S.I. To (C) 128 P.S.I.
Tool Closed I.C.I.P. From 5:37A M. to 6:37A M. ☐ Hr. 60 Min (D) 1756 P.S.I.
Tool Open F.F.P. From 6:37A M. to 8:07A M. 1 Hr. 30 Min. From (E) 173 P.S.I. To (F) 316 P.S.I.
Tool Closed F.C.I.P. From 8:07A M. to 9:37A M. 1 Hr. 30 Min. (G) 1718 P.S.I.
Initial Hydrostatic Pressure (A) 2342 P.S.I. Final Hydrostatic Pressure (H) 2234 P.S.I. Maximum Temp. 132

INFORMATION

BLOW Stong Blow throughout test. Gas to surface in 8 minutes, see attached sheet for gas measurements.

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 780' of total fluid recovery. 480' of clean free oil, 180' of froggy oil, 120' of salt water

Reversed Out ☐ Yes ☒ No Mud Type Qmix Viscosity 45 Weight 9.5 Water Loss 24.0 cc. Chlorides 12000 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 Sweetman Drilling Co. Length Drill Pipe? 4269 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe ☐ Ft. I.D. Weight Pipe ☐ In. Tool Joint Size ☐ In. Length Drill Collars 270 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4H-90 In. Length D.S.T. Tool 36 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 8-4-76 Test Ticket No. 22269
 Recorder No. 2604 Capacity 4150 Location 4565 Ft.
 Clock No. 6799 Elevation 1332 Kelly Bushing Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2342</u>	P.S.I.	<u>5:05</u> A M	
B First Initial Flow Pressure	<u>101</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>128</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1756</u>	P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>173</u>	P.S.I.	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	<u>316</u>	P.S.I.		
G Final Closed-in Pressure	<u>1718</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2234</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>18</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>101</u>	<u>0</u>	<u>128</u>	<u>0</u>	<u>173</u>	<u>0</u>	<u>316</u>
P 2 <u>5</u>	<u>94</u>	<u>3</u>	<u>367</u>	<u>5</u>	<u>153</u>	<u>3</u>	<u>533</u>
P 3 <u>10</u>	<u>95</u>	<u>6</u>	<u>843</u>	<u>10</u>	<u>155</u>	<u>6</u>	<u>1017</u>
P 4 <u>15</u>	<u>98</u>	<u>9</u>	<u>1576</u>	<u>15</u>	<u>162</u>	<u>9</u>	<u>1376</u>
P 5 <u>20</u>	<u>107</u>	<u>12</u>	<u>1627</u>	<u>20</u>	<u>176</u>	<u>12</u>	<u>1473</u>
P 6 <u>25</u>	<u>118</u>	<u>15</u>	<u>1652</u>	<u>25</u>	<u>191</u>	<u>15</u>	<u>1520</u>
P 7 <u>30</u>	<u>128</u>	<u>18</u>	<u>1670</u>	<u>30</u>	<u>204</u>	<u>18</u>	<u>1548</u>
P 8		<u>21</u>	<u>1684</u>	<u>35</u>	<u>215</u>	<u>21</u>	<u>1569</u>
P 9		<u>24</u>	<u>1694</u>	<u>40</u>	<u>228</u>	<u>24</u>	<u>1589</u>
P10		<u>27</u>	<u>1704</u>	<u>45</u>	<u>239</u>	<u>27</u>	<u>1605</u>
P11		<u>30</u>	<u>1712</u>	<u>50</u>	<u>252</u>	<u>30</u>	<u>1618</u>
P12		<u>33</u>	<u>1721</u>	<u>55</u>	<u>262</u>	<u>33</u>	<u>1629</u>
P13		<u>36</u>	<u>1727</u>	<u>60</u>	<u>271</u>	<u>36</u>	<u>1639</u>
P14		<u>39</u>	<u>1732</u>	<u>65</u>	<u>280</u>	<u>39</u>	<u>1647</u>
P15		<u>42</u>	<u>1737</u>	<u>70</u>	<u>288</u>	<u>42</u>	<u>1653</u>
P16		<u>45</u>	<u>1742</u>	<u>75</u>	<u>297</u>	<u>45</u>	<u>1661</u>
P17		<u>48</u>	<u>1746</u>	<u>80</u>	<u>304</u>	<u>48</u>	<u>1666</u>
P18		<u>51</u>	<u>1749</u>	<u>85</u>	<u>311</u>	<u>51</u>	<u>1671</u>
P19		<u>54</u>	<u>1752</u>	<u>90</u>	<u>316</u>	<u>54</u>	<u>1676</u>
P20		<u>57</u>	<u>1754</u>			<u>57</u>	<u>1681</u>
		<u>60</u>	<u>1756</u>			<u>60</u>	<u>1685</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 8-4-76 Test Ticket No. 22269
 Recorder No. 2604 Capacity 4150 Location 4565 Ft.
 Clock No. 6799 Elevation 1332 Kelly Bushing Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	<u>5:05</u> A M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	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 _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of <u>3</u> mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ 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>1689</u>
P 2						<u>66</u>	<u>1692</u>
P 3						<u>69</u>	<u>1696</u>
P 4						<u>72</u>	<u>1700</u>
P 5						<u>75</u>	<u>1704</u>
P 6						<u>78</u>	<u>1707</u>
P 7						<u>81</u>	<u>1710</u>
P 8						<u>84</u>	<u>1712</u>
P 9						<u>87</u>	<u>1714</u>
P10						<u>90</u>	<u>1716</u>
P11						<u>93</u>	<u>1718</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



INC.

P. O. Box 1599

Wichita, Kansas 67201

GAS FLOW REPORT

Date 8-4-76 Ticket 22269 Company Robinson Oil Company & Sweetman Drilling Co.
Well Name and No. Mollohan #1 Dst No. 3 Interval Tested 4560' - 4575'
County Harper State Kansas Sec. 34 Twp. 33S Rg. 7W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
5:20AM	5 min.	20" of water	3/4" Choke			63,500 C.F.P.D.
5:30AM	15 min.	18" of water	3/4" Choke			60,200 C.F.P.D.
5:37AM	22 min.	15" of water	3/4" Choke			55,200 C.F.P.D.
Gas to	surface	at 5:15AM.				

SECOND FLOW

6:47AM	10 min.	20" of water	3/4" Choke			63,500 C.F.P.D.
6:57AM	20 min.	8" of water	3/4" Choke			40,000 C.F.P.D.
7:07AM	30 min.	4" of water	3/4" Choke			28,300 C.F.P.D.
7:17AM	40 min.	96" of water	1/4" Choke			16,400 C.F.P.D.
7:27AM	50 min.	No reading, sprayed oil				
7:37AM	60 min.	14" of water	1/2" Choke			23,700 C.F.P.D.
7:47AM	70 min.	12" of water	1/2" Choke			21,900 C.F.P.D.
7:57AM	80 min.	60" of water	1/4" Choke			13,000 C.F.P.D.
8:07AM	90 min.	60" of water	1/4" Choke			13,000 C.F.P.D.
All measurements were taken with a 2" merla orifice well tester.						

GAS BOTTLE

Serial No. 304 Date Bottle Filled 8-4-76 Date to be Invoiced 8-4-76

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

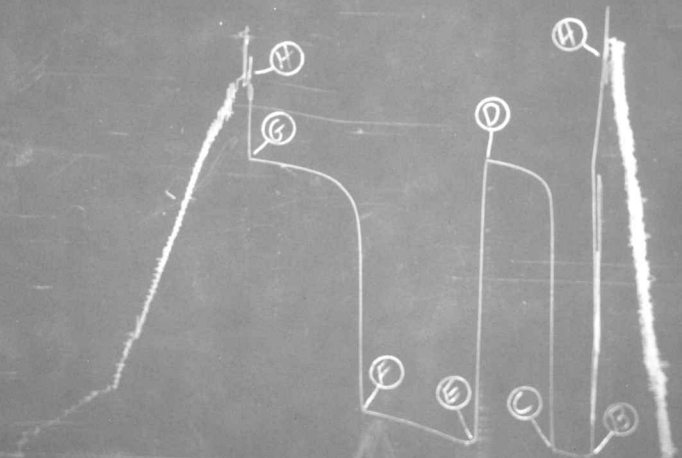
All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Robinson Oil Company & Sweetman Drlg

Authorized by James F. Dilts

TAT # 22269

I





INC.

P. O. Box 1599
Wichita, Kansas 67201

Company Robinson Oil Company & Sweetman Drilling Co. Lease & Well No. Mollohan #1
Elevation - Formation Simpson Effective Pay - Ft. Ticket No. 22270
Date 8-6-76 Sec. 34 Twp. 33S Range 7W County Harper State Kansas
Test Approved by James F. Dilts Western Representative Bill Hager
Formation Test No. 4 O.K. X Misrun - Interval Tested From 4984' to 4996' Total Depth 4996'
Size Main Hole 7 7/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged X Yes - No
Top Packer Depth 4979 Ft. Size 6 3/4 Bottom Packer Depth 4984 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 12 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4987 Ft. Clock No. 4763 Depth 4990 Ft. Clock No. 9712
Top Make Kuster Cap. 4150 No. 2604 Inside Outside Bottom Make Kuster Cap. 4000 No. 3660 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 4:05 P. M.
Tool Open I.F.P. From 4:06P M. to 4:36P M. - Hr. 30 Min. From (B) 6 P.S.I. To (C) 14 P.S.I.
Tool Closed I.C.I.P. From 4:36P M. to 5:06P M. - Hr. 30 Min (D) 25 P.S.I.
Tool Open F.F.P. From 5:06P M. to 5:36P M. - Hr. 30 Min. From (E) 20 P.S.I. To (F) 15 P.S.I.
Tool Closed F.C.I.P. From 5:36P M. to 6:06P M. - Hr. 30 Min. (G) 23 P.S.I.
Initial Hydrostatic Pressure (A) 2454 P.S.I. Final Hydrostatic Pressure (H) 2382 P.S.I. Maximum Temp. 136

INFORMATION

BLOW Weak blow for 10 minutes.

Did Well Flow - Yes X No - Recovery Total Ft. 5' of drilling mud.

Reversed Out - Yes X No - Mud Type Qmin Viscosity 45 Weight 9.1 Water Loss 16.0 cc. Chlorides 12,000 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 Sweetman Drlg. Co. Length Drill Pipe? 4724 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 240 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4H-9Q In. Length D.S.T. Tool 32 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 8-6-76 Test Ticket No. 22270
 Recorder No. 2604 Capacity 4150 Location 4987 Ft.
 Clock No. 4763 Elevation ----- Well Temperature 136 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2454</u> P.S.I.	Open Tool	<u>4:05</u> P M	
B First Initial Flow Pressure	<u>6</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>14</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>25</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>20</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>15</u> P.S.I.			
G Final Closed-in Pressure	<u>23</u> P.S.I.			
H Final Hydrostatic Mud	<u>2382</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>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>11</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>6</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>15</u>
P 2 <u>5</u>	<u>9</u>	<u>3</u>	<u>15</u>	<u>5</u>	<u>16</u>	<u>3</u>	<u>15</u>
P 3 <u>10</u>	<u>10</u>	<u>6</u>	<u>15</u>	<u>10</u>	<u>14</u>	<u>6</u>	<u>16</u>
P 4 <u>15</u>	<u>12</u>	<u>9</u>	<u>17</u>	<u>15</u>	<u>14</u>	<u>9</u>	<u>17</u>
P 5 <u>20</u>	<u>13</u>	<u>12</u>	<u>18</u>	<u>20</u>	<u>14</u>	<u>12</u>	<u>18</u>
P 6 <u>25</u>	<u>13</u>	<u>15</u>	<u>19</u>	<u>25</u>	<u>15</u>	<u>15</u>	<u>19</u>
P 7 <u>30</u>	<u>14</u>	<u>18</u>	<u>20</u>	<u>30</u>	<u>15</u>	<u>18</u>	<u>20</u>
P 8		<u>21</u>	<u>21</u>			<u>21</u>	<u>21</u>
P 9		<u>24</u>	<u>23</u>			<u>24</u>	<u>21</u>
P10		<u>27</u>	<u>24</u>			<u>27</u>	<u>22</u>
P11		<u>30</u>	<u>25</u>			<u>30</u>	<u>22</u>
P12						<u>33</u>	<u>23</u>
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

T-17 # 22270

I

(X)

(H)

(4)

(F)

(E)

(Q)

(L)

(B)