



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

Company Texas Oil & Gas Corp. Lease & Well No. Miller "M" #1
Elevation 1688 Kelly Bush. Formation Indian Cave Effective Pay - Ft. Ticket No. 23441
Date 2-26-78 Sec. 24 Twp. 29S Range 9W County Kingman State Kansas
Test Approved by Gary Wardeman Western Representative Rod Tritt
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 2391' to 2405' Total Depth 2405'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 2388 Ft. Size 6 3/4 Bottom Packer Depth 2391 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 14 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 2379 Ft. Clock No. 19617 Depth 2397 Ft. Clock No. 6894
Top Make Kuster Cap. 4150 No. 2604 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 2606 ~~Inside~~ Outside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ ~~Inside~~ Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ ~~Inside~~ Outside
Time Set Packer 11:55A M
Tool Open I.F.P. From 11:55A.M. to 12:25 M. - Hr. 30 Min. From (B) 137 P.S.I. To (C) 200 P.S.I.
Tool Closed I.C.I.P. From 12:25 M. to 1:25 M. - Hr. 60 Min (D) 905 P.S.I.
Tool Open F.F.P. From 1:25 M. to 2:10 M. - Hr. 45 Min. From (E) 277 P.S.I. To (F) 305 P.S.I.
Tool Closed F.C.I.P. From 2:10 M. to 3:40 M. - Hr. 90 Min. (G) 896 P.S.I.
Initial Hydrostatic Pressure (A) 1246 P.S.I. Final Hydrostatic Pressure (H) 1246 P.S.I. Maximum Temp. 90

INFORMATION

BLOW Weak blow on initial flow period. No gas. Weak blow building to strong blow on final flow period.

Did Well Flow ☒ Yes ☒ No Recovery Total Ft. 540' mud cut salt water.

Reversed Out ☐ Yes ☒ No Mud Type Jell Soda Ash Viscosity 33 Weight 9.4 Water Loss NC cc. Chlorides 45,000 ppm

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☒ Yes Jars: Size 4 1/2 OD In. Make W.T.C. Ser. No. 408

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

DRILLING CONTRACTOR H-30, Inc. Length Drill Pipe? 210 Ft. I.D. Drill Pipe 3 1/4 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 347 Ft. I.D. Drill Collars 2.8 In.

Tool Joint Size 4" H90 In. Length D.S.T. Tool 48 Ft.

Remarks: Chlorides checked: Top 110,000; Middle 110,000; Bottom 110,000.

Clock stopped 19617. Read outside chart #2606

WESTERN TESTING CO., INC.

Pressure Data

Date 2-26-78 Test Ticket No. 23441
 Recorder No. 2606 Capacity 4150 Location 2397 Ft.
 Clock No. 6894 Elevation 1688 Kelly Bushing Well Temperature 90 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1246</u> P.S.I.	Open Tool	<u>11:55A</u> M	
B First Initial Flow Pressure	<u>137</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>200</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>905</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>277</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>96</u> Mins.
F Second Final Flow Pressure	<u>305</u> P.S.I.			
G Final Closed-in Pressure	<u>896</u> P.S.I.			
H Final Hydrostatic Mud	<u>1246</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>32</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>137</u>	<u>0</u>	<u>200</u>	<u>0</u>	<u>277</u>	<u>0</u>	<u>305</u>
P 2 <u>5</u>	<u>132</u>	<u>3</u>	<u>537</u>	<u>5</u>	<u>258</u>	<u>3</u>	<u>580</u>
P 3 <u>10</u>	<u>140</u>	<u>6</u>	<u>661</u>	<u>10</u>	<u>256</u>	<u>6</u>	<u>683</u>
P 4 <u>15</u>	<u>152</u>	<u>9</u>	<u>726</u>	<u>15</u>	<u>257</u>	<u>9</u>	<u>731</u>
P 5 <u>20</u>	<u>166</u>	<u>12</u>	<u>769</u>	<u>20</u>	<u>264</u>	<u>12</u>	<u>763</u>
P 6 <u>25</u>	<u>182</u>	<u>15</u>	<u>796</u>	<u>25</u>	<u>275</u>	<u>15</u>	<u>786</u>
P 7 <u>30</u>	<u>193</u>	<u>18</u>	<u>817</u>	<u>30</u>	<u>281</u>	<u>18</u>	<u>804</u>
P 8 <u>35</u>	<u>200</u>	<u>21</u>	<u>836</u>	<u>35</u>	<u>287</u>	<u>21</u>	<u>824</u>
P 9		<u>24</u>	<u>847</u>	<u>40</u>	<u>295</u>	<u>24</u>	<u>837</u>
P10		<u>27</u>	<u>856</u>	<u>45</u>	<u>305</u>	<u>27</u>	<u>845</u>
P11		<u>30</u>	<u>865</u>			<u>30</u>	<u>852</u>
P12		<u>33</u>	<u>872</u>			<u>33</u>	<u>857</u>
P13		<u>36</u>	<u>878</u>			<u>36</u>	<u>864</u>
P14		<u>39</u>	<u>885</u>			<u>39</u>	<u>867</u>
P15		<u>42</u>	<u>889</u>			<u>42</u>	<u>871</u>
P16		<u>45</u>	<u>892</u>			<u>45</u>	<u>872</u>
P17		<u>48</u>	<u>895</u>			<u>48</u>	<u>873</u>
P18		<u>51</u>	<u>897</u>			<u>51</u>	<u>875</u>
P19		<u>54</u>	<u>900</u>			<u>54</u>	<u>877</u>
P20		<u>57</u>	<u>902</u>			<u>57</u>	<u>878</u>
		<u>60</u>	<u>905</u>				

WESTERN TESTING CO., INC.

Pressure Data

Date 2-26-78 Test Ticket No. 23441
 Recorder No. 2606 Capacity 4150 Location 2397 Ft.
 Clock No. 6894 Elevation 1688 Kelly Bushing Well Temperature 90 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1246</u> P.S.I.	Open Tool	<u>11:55A</u> M	
B First Initial Flow Pressure	<u>137</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>200</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>905</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>277</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>96</u> Mins.
F Second Final Flow Pressure	<u>305</u> P.S.I.			
G Final Closed-in Pressure	<u>896</u> P.S.I.			
H Final Hydrostatic Mud	<u>1246</u> P.S.I.			

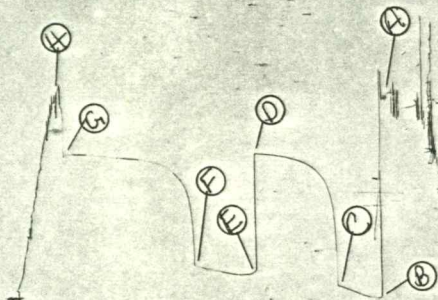
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>32</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						60	879
P 2						63	884
P 3						66	887
P 4						69	890
P 5						72	891
P 6						75	892
P 7						78	893
P 8						81	894
P 9						84	895
P10						87	895
P11						90	896
P12						93	896
P13						96	896
P14							
P15							
P16							
P17							
P18							
P19							
P20							

2606

TKT 2344

0.



2604 Clock # 19617 stopped
(New clock)

TKT # 2344
① I.



P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Company Texas Oil & Gas Corp. Lease & Well No. Miller "M" #1
Elevation 1688 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 1001
Date 3-2-78 Sec. 24 Twp 29S Range 9W County Kingman State Kansas
Test Approved by K. W. Dahlberg Western Representative Denis Wondra

Formation Test No. 2 Interval Tested from 4190 ft. to 4255 ft. Total Depth 4255 ft.

Packer Depth 4185 ft. Size 6 3/4 in. Packer Depth 4190 ft. Size 6 3/4 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4180 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 4212 ft. Recorder Number 3659 Cap. 4000

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

Drilling Contractor H-30 Rig #3 Drill Collar Length 184 I. D. 2.7 in.

Mud Type Starch Viscosity 40 Weight Pipe Length - I. D. - in.

Weight 9.4 Water Loss 9.6 cc. Drill Pipe Length 4006 I. D. 3.8 in.

Chlorides 20,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.

Jars: Make W.T.C. Serial Number 410 Anchor Length 65 ft. Size 5 1/2 OD in.

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

Main Hole Size 7 7/8 in.

Blow: Strong blow throughout test. Gas to surface in 10 minutes. See attached sheet for gas measurements.

Recovered 210 ft. of drilling mud.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Chlorides checked: top 20,000 ppm; bottom 25,000 ppm.

Time Set Packer(s) 9.40 ~~A.M.~~ P.M. Time Started Off Bottom 2:10 ~~A.M.~~ P.M. Maximum Temperature 118

Initial Hydrostatic Pressure (A) 2096 P.S.I.

Initial Flow Period Minutes 30 (B) 110 P.S.I. to (C) 130 P.S.I.

Initial Closed In Period Minutes 60 (D) 1577 P.S.I.

Final Flow Period Minutes 60 (E) 150 P.S.I. to (F) 132 P.S.I.

Final Closed In Period Minutes 120 (G) 1591 P.S.I.

Final Hydrostatic Pressure (H) 2064 P.S.I.



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

GAS FLOW REPORT

Date 3-2-78 Ticket 1001 Company Texas Oil & Gas Corp.
Well Name and No. Miller "M" #1 Dst No. 2 Interval Tested 4190' - 4255'
County Kingman State Kansas Sec. 24 Twp. 29S Rg. 9W

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						
10:00	10 min.	50" of water		1½" orifice		493,000 C.F.P.D.
10:05	15 min.	37" of water		1½" orifice		418,000 C.F.P.D.
Gas to surface in 10 minutes.						

SECOND FLOW						
11:15	5 min.	37" of water		1½" orifice		418,000 C.F.P.D.
11:20	10 min.	82" of water		1½" orifice		620,000 C.F.P.D.
11:25	15 min.	52" of water		1½" orifice		502,000 C.F.P.D.
11:30	20 min.	52" of water		1½" orifice		502,000 C.F.P.D.
11:35	25 min.	50" of water		1½" orifice		493,000 C.F.P.D.
11:40	30 min.	48" of water		1½" orifice		482,000 C.F.P.D.
11:45	35 min.	50" of water		1½" orifice		493,000 C.F.P.D.
11:50	40 min.	50" of water		1½" orifice		493,000 C.F.P.D.
11:55	45 min.	52" of water		1½" orifice		502,000 C.F.P.D.
12:00	50 min.	52" of water		1½" orifice		502,000 C.F.P.D.
12:05	55 min.	52" of water		1½" orifice		502,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced -

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 Texas Oil & Gas Corp.

Authorized by K. W. Dahlberg

WESTERN TESTING CO., INC.

Pressure Data

3-2-78

Test Ticket No. 1001

Order No. 3474 Capacity 3000 Location 4180 Ft.
 Well No. - Elevation 1688 Kelly Bushing Well Temperature 118 °F

nt	Pressure		Open Tool	Time Given	Time Computed
				9:40P.	M
Initial Hydrostatic Mud	2096	P.S.I.			
First Initial Flow Pressure	110	P.S.I.	First Flow Pressure	30	Mins. 25 Mins.
First Final Flow Pressure	130	P.S.I.	Initial Closed-in Pressure	60	Mins. 60 Mins.
Initial Closed-in Pressure	1577	P.S.I.	Second Flow Pressure	60	Mins. 60 Mins.
Second Initial Flow Pressure	150	P.S.I.	Final Closed-in Pressure	120	Mins. 120 Mins.
Second Final Flow Pressure	132	P.S.I.			
Final Closed-in Pressure	1591	P.S.I.			
Final Hydrostatic Mud	2064	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 5 Inc.		Breakdown: 20 Inc.		Breakdown: 12 Inc.		Breakdown: 40 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
int ns.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
0	110	0	130	0	150	0	132
2	123	3	770	5	150	3	786
3	126	6	1470	10	142	6	1423
4	125	9	1519	15	132	9	1502
5	129	12	1540	20	128	12	1529
5	130	15	1548	25	126	15	1545
7		18	1554	30	126	18	1555
8		21	1559	35	126	21	1562
9		24	1562	40	126	24	1568
0		27	1566	45	126	27	1572
1		30	1569	50	126	30	1574
2		33	1570	55	126	33	1578
3		36	1572	60	132	36	1580
4		39	1573			39	1581
5		42	1574			42	1584
6		45	1574			45	1584
7		48	1575			48	1585
8		51	1575			51	1585
9		54	1576			54	1585
0		57	1576			57	1585
		60	1577			60	1587

WESTERN TESTING CO., INC.

Pressure Data

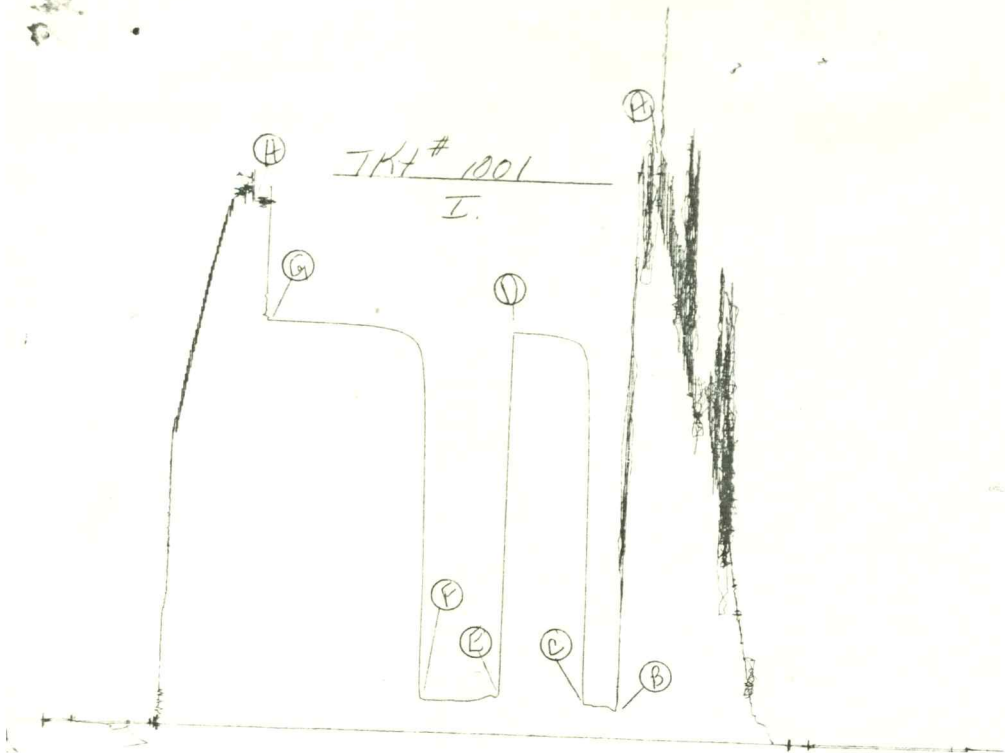
Date 3-2-78 Test Ticket No. 1001
 Recorder No. 3474 Capacity 3000 Location 4180 Ft.
 Clock No. - Elevation 1688 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2096</u>	P.S.I.	<u>9:40P.</u>	<u>M</u>
B First Initial Flow Pressure	<u>110</u>	P.S.I.	<u>30</u>	<u>25</u> Mins.
C First Final Flow Pressure	<u>130</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1577</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>150</u>	P.S.I.	<u>120</u>	<u>120</u> Mins.
F Second Final Flow Pressure	<u>132</u>	P.S.I.		
G Final Closed-in Pressure	<u>1591</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2064</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>40</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	1587
P 2						66	1587
P 3						69	1588
P 4						72	1588
P 5						75	1589
P 6						78	1589
P 7						81	1589
P 8						84	1590
P 9						87	1590
P10						90	1590
P11						93	1590
P12						96	1590
P13						99	1590
P14						102	1590
P15						105	1590
P16						108	1591
P17						111	1591
P18						114	1591
P19						117	1591
P20						120	1591

TKT # 1001
I.



59

TKT # 1001
0.

