



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

Company Texas Oil & Gas Corp. Lease & Well No. Rucker #1
Elevation 1739 Kelly Bush. Formation Krider Effective Pay - Ft. Ticket No. 25688
Date 5-21-77 Sec. 20 Twp. 31S Range 10W County Barber State Kansas
Test Approved by Ronald Idom Western Representative Lonnie J. Cline
Formation Test No. 1 O.K. X Misrun - Interval Tested From 1920' to 1943' Total Depth 1943'
Size Main Hole 7 7/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No
Top Packer Depth 1915 Ft. Size 6 3/4 Bottom Packer Depth 1920 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 23 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 1935 Ft. Clock No. 4763 Depth 1938 Ft. Clock No. 9726
Top Make Kuster Cap. 4150 No. 2604 ~~Outside~~ ^{Inside} Bottom Make Kuster Cap. 4150 No. 2606 ~~Inside~~ ^{Outside}
Below Straddle: Depth - Rec. No. - Clock No. - ~~Outside~~ ^{Inside} Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ ^{Outside}
Time Set Packer 3:23P. M
Tool Open I.F.P. From 3:24P M. to 3:54P M. - Hr. 30 Min. From (B) 69 P.S.I. To (C) 76 P.S.I.
Tool Closed I.C.I.P. From 3:54P M. to 4:54P M. - Hr. 60 Min (D) 652 P.S.I.
Tool Open F.F.P. From 4:54P M. to 5:14P M. - Hr. 20 Min. From (E) 94 P.S.I. To (F) 88 P.S.I.
Tool Closed F.C.I.P. From 5:14P M. to 5:54P M. - Hr. 40 Min. (G) 468 P.S.I.
Initial Hydrostatic Pressure (A) 954 P.S.I. Final Hydrostatic Pressure (H) 935 P.S.I. Maximum Temp. 90

INFORMATION

BLOW Fair blow, decreasing to a poor blow on initial flow period. Blow died in 15 minutes on final flow period.

Did Well Flow - Yes X No Recovery Total Ft. 130' of watery mud.

Reversed Out - Yes X No Mud Type Premix Viscosity 35 Weight 9.5 Water Loss 12.0 cc. Chlorides 60,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 3 1/2 IF In. Make WTC Ser. No. 403

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

DRILLING CONTRACTOR Xplord Drlg., Inc. Length Drill Pipe 1635 Ft. I.D. Drill Pipe 3.4 In. Tool Joint Size 4 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 253 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 55 Ft.

Remarks: Slid tool 3' to bottom. Chlorides check: Top 61,000 PPM
Middle 65,000 PPM
Bottom 63,000 PPM

WESTERN TESTING CO., INC.

Pressure Data

Date 5-21-77 Test Ticket No. 25688
 Recorder No. 2604 Capacity 4150 Location 1935 Ft.
 Clock No. 4763 Elevation 1739 Kelly Bushing Well Temperature 90 °F

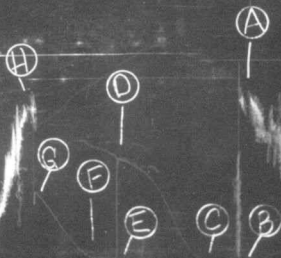
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	954 P.S.I.	Open Tool	3:23P. M	
B First Initial Flow Pressure	69 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	76 P.S.I.	Initial Closed-in Pressure	60 Mins.	63 Mins.
D Initial Closed-in Pressure	652 P.S.I.	Second Flow Pressure	20 Mins.	20 Mins.
E Second Initial Flow Pressure	94 P.S.I.	Final Closed-in Pressure	40 Mins.	45 Mins.
F Second Final Flow Pressure	88 P.S.I.			
G Final Closed-in Pressure	468 P.S.I.			
H Final Hydrostatic Mud	935 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>21</u> Inc.		Breakdown: <u>4</u> Inc.		Breakdown: <u>16</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>69</u>	<u>0</u>	<u>76</u>	<u>0</u>	<u>94</u>	<u>0</u>	<u>88</u>
P 2 <u>5</u>	<u>71</u>	<u>3</u>	<u>92</u>	<u>5</u>	<u>87</u>	<u>3</u>	<u>98</u>
P 3 <u>10</u>	<u>71</u>	<u>6</u>	<u>117</u>	<u>10</u>	<u>87</u>	<u>6</u>	<u>117</u>
P 4 <u>15</u>	<u>71</u>	<u>9</u>	<u>143</u>	<u>15</u>	<u>87</u>	<u>9</u>	<u>141</u>
P 5 <u>20</u>	<u>72</u>	<u>12</u>	<u>177</u>	<u>20</u>	<u>88</u>	<u>12</u>	<u>162</u>
P 6 <u>25</u>	<u>75</u>	<u>15</u>	<u>218</u>			<u>15</u>	<u>183</u>
P 7 <u>30</u>	<u>76</u>	<u>18</u>	<u>267</u>			<u>18</u>	<u>211</u>
P 8		<u>21</u>	<u>314</u>			<u>21</u>	<u>241</u>
P 9		<u>24</u>	<u>367</u>			<u>24</u>	<u>271</u>
P10		<u>27</u>	<u>410</u>			<u>27</u>	<u>305</u>
P11		<u>30</u>	<u>451</u>			<u>30</u>	<u>337</u>
P12		<u>33</u>	<u>489</u>			<u>33</u>	<u>372</u>
P13		<u>36</u>	<u>521</u>			<u>36</u>	<u>399</u>
P14		<u>39</u>	<u>546</u>			<u>39</u>	<u>427</u>
P15		<u>42</u>	<u>569</u>			<u>42</u>	<u>451</u>
P16		<u>45</u>	<u>590</u>			<u>45</u>	<u>468</u>
P17		<u>48</u>	<u>602</u>				
P18		<u>51</u>	<u>616</u>				
P19		<u>54</u>	<u>628</u>				
P20		<u>57</u>	<u>638</u>				
		<u>60</u>	<u>646</u>				
		<u>63</u>	<u>652</u>				

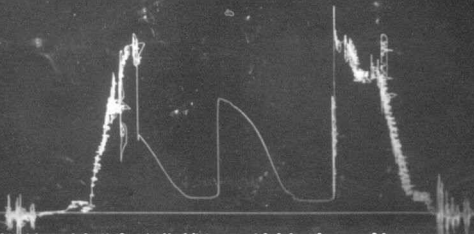
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P. O. Box 1599 (316) 838-0601

Company Texas Oil & Gas Corp. Lease & Well No. Rucker #1
Elevation 1739 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 24803
Date 5-26-77 Sec. 20 Twp. 31S Range 10W County Barber State Kansas
Test Approved by K.W. Dahlberg Western Representative Joe N. Lusk
Formation Test No. 2 O.K. X Misrun - Interval Tested From 4515' to 4525' Total Depth 4525'
Size Main Hole 77/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No
Top Packer Depth 4510 Ft. Size 63/4 Bottom Packer Depth 4515 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 10 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4517 Ft. Clock No. 6895 Depth 4520 Ft. Clock No. 6799
Top Make Kuster Cap. 4150 No. 969 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 3:12 P.M.
Tool Open I.F.P. From 3:15 P.M. to 3:45 P.M. - Hr. 30 Min. From (B) 54 P.S.I. To (C) 92 P.S.I.
Tool Closed I.C.I.P. From 3:45 P.M. to 4:45 P.M. 1 Hr. - Min (D) 809 P.S.I.
Tool Open F.F.P. From 4:45 P.M. to 5:30 P.M. - Hr. 45 Min. From (E) 110 P.S.I. To (F) 171 P.S.I.
Tool Closed F.C.I.P. From 5:30 P.M. to 7:00 P.M. 1 Hr. 30 Min. (G) 811 P.S.I.
Initial Hydrostatic Pressure (A) 2198 P.S.I. Final Hydrostatic Pressure (H) 2188 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Strong blow on initial flow period. Gas to surface in 7 minutes. Good blow on final flow period. See attached sheet for gas measurements.

Did Well Flow - Yes X No Recovery Total Ft. 465' total recovery. 65' water, 400' oil cut mud.

Reversed Out X Yes - No Mud Type premix Viscosity 46 Weight 9.2 Water Loss 8.8 cc. Chlorides 6,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. -

Dual Packer yes Did Packers Hold? yes Did Tool Plug? - Where? -

DRILLING CONTRACTOR XPLOR Drllg. Co. Length Drill Pipe? 4207 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 4 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 278 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 40 Ft.

Remarks: Fluid check - 35% mud, 50% oil, 15% water. Chlorides Check - 150,000 P.P.M. (bottom)
No chart in recorder #969. Read outside recorder #3351.

WESTERN TESTING CO., INC.

Pressure Data

Date 5-26-77 Test Ticket No. 24803
 Recorder No. 3351 Capacity 4000 Location 4520 Ft.
 Clock No. 6799 Elevation 1739 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2198</u> P.S.I.	Open Tool	<u>3:12</u> P M	
B First Initial Flow Pressure	<u>54</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>92</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>809</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>110</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>171</u> P.S.I.			
G Final Closed-in Pressure	<u>811</u> P.S.I.			
H Final Hydrostatic Mud	<u>2188</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>9</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>54</u>	<u>0</u>	<u>92</u>	<u>0</u>	<u>110</u>	<u>0</u>	<u>171</u>
P 2 <u>5</u>	<u>64</u>	<u>3</u>	<u>755</u>	<u>5</u>	<u>104</u>	<u>3</u>	<u>705</u>
P 3 <u>10</u>	<u>76</u>	<u>6</u>	<u>773</u>	<u>10</u>	<u>110</u>	<u>6</u>	<u>761</u>
P 4 <u>15</u>	<u>82</u>	<u>9</u>	<u>781</u>	<u>15</u>	<u>120</u>	<u>9</u>	<u>769</u>
P 5 <u>20</u>	<u>84</u>	<u>12</u>	<u>787</u>	<u>20</u>	<u>131</u>	<u>12</u>	<u>774</u>
P 6 <u>25</u>	<u>88</u>	<u>15</u>	<u>789</u>	<u>25</u>	<u>143</u>	<u>15</u>	<u>779</u>
P 7 <u>30</u>	<u>92</u>	<u>18</u>	<u>793</u>	<u>30</u>	<u>147</u>	<u>18</u>	<u>781</u>
P 8		<u>21</u>	<u>797</u>	<u>35</u>	<u>163</u>	<u>21</u>	<u>785</u>
P 9		<u>24</u>	<u>799</u>	<u>40</u>	<u>167</u>	<u>24</u>	<u>787</u>
P10		<u>27</u>	<u>801</u>	<u>45</u>	<u>171</u>	<u>27</u>	<u>791</u>
P11		<u>30</u>	<u>802</u>			<u>30</u>	<u>793</u>
P12		<u>33</u>	<u>803</u>			<u>33</u>	<u>795</u>
P13		<u>36</u>	<u>804</u>			<u>36</u>	<u>797</u>
P14		<u>39</u>	<u>805</u>			<u>39</u>	<u>798</u>
P15		<u>42</u>	<u>806</u>			<u>42</u>	<u>799</u>
P16		<u>45</u>	<u>807</u>			<u>45</u>	<u>800</u>
P17		<u>48</u>	<u>807</u>			<u>48</u>	<u>801</u>
P18		<u>51</u>	<u>808</u>			<u>51</u>	<u>802</u>
P19		<u>54</u>	<u>808</u>			<u>54</u>	<u>803</u>
P20		<u>57</u>	<u>809</u>			<u>57</u>	<u>804</u>
		<u>60</u>	<u>809</u>			<u>60</u>	<u>805</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 5-26-77

Test Ticket No. 24803

Recorder No. 3351

Capacity 4000

Location 4520 Ft.

Clock No. 6799

Elevation 1739 Kelly Bushing

Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2198</u> P.S.I.	Open Tool	<u>3:12</u> PM	
B First Initial Flow Pressure	<u>54</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>92</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>809</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>110</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>171</u> P.S.I.			
G Final Closed-in Pressure	<u>811</u> P.S.I.			
H Final Hydrostatic Mud	<u>2188</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>9</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>63</u>	<u>806</u>
P 2						<u>66</u>	<u>807</u>
P 3						<u>69</u>	<u>807</u>
P 4						<u>71</u>	<u>808</u>
P 5						<u>75</u>	<u>808</u>
P 6						<u>78</u>	<u>809</u>
P 7						<u>81</u>	<u>809</u>
P 8						<u>84</u>	<u>810</u>
P 9						<u>87</u>	<u>810</u>
P10						<u>90</u>	<u>811</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



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

GAS FLOW REPORT

Date 5-26-77 Ticket 24803 Company Texas Oil & Gas Corp.
Well Name and No. Rucker #1 Dst No. 2 Interval Tested 4515' - 4525'
County Barber State Kansas Sec. 20 Twp. 31S Rg. 10W

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						
3:25 PM	10 min.	80 inches	of water		1/2" choke	56,100 C.F.P.D.
3:30 PM	15 min.	74 inches	of water		1/2" choke	53,900 C.F.P.D.
3:35 PM	20 min.	50 inches	of water		1/2" choke	44,300 C.F.P.D.
3:40 PM	25 min.	40 inches	of water		1/2" choke	39,600 C.F.P.D.
3:45 PM	30 min.	36 inches	of water		1/2" choke	37,000 C.F.P.D.

SECOND FLOW

4:35 PM	05 min.	78 inches	of water		3/4"choke	125,000 C.F.P.D.
4:40 PM	10 min.	74 inches	of water		3/4"choke	122,000 C.F.P.D.
4:45 PM	15 min.	30 inches	of water		1/2"choke	34,300 C.F.P.D.
4:50 PM	20 min.	28 inches	of water		1/2"choke	33,200 C.F.P.D.
4:55 PM	25 min.	28 inches	of water		1/2"choke	33,200 C.F.P.D.
5:00 PM	30 min.	26 inches	of water		1/2"choke	31,900 C.F.P.D.
5:05 PM	35 min.	20 inches	of water		1/2"choke	28,000 C.F.P.D.
5:40 PM	40 min.	24 inches	of water		1/2"choke	30,700 C.F.P.D.
5:45 PM	45 min.	24 inches	of water		1/2"choke	30,700 C.F.P.D.

GAS BOTTLE

Serial No. _____ Date Bottle Filled 5-26-77 Date to be Invoiced 5-26-77

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