



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

Company Texas Oil & Gas Corp. Lease & Well No. Findley #1
Elevation 1444 Kelly Bushing Formation Indian Cave Effective Pay - Ft. Ticket No. 25682
Date 5-14-77 Sec. 29 Twp. 32S Range 8W County Harper State Kansas
Test Approved by K.W. Dahlberg Western Representative Lonnie J. Cline

Formation Test No. 1 O.K. Misrun Interval Tested From 2381' to 2440' Total Depth 2440'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 2376 Ft. Size 6 3/4 Bottom Packer Depth 2381 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&XH Anchor Length 59 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 2399 Ft. Clock No. 4763 Depth 2402 Ft. Clock No. 9726
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 1:46 A M
Tool Open I.F.P. From 1:47 A M. to 2:17 A M. - Hr. 30 Min. From (B) 254 P.S.I. To (C) 910 P.S.I.
Tool Closed I.C.I.P. From 2:17 M. to 3:17 A M. 1 Hr. - Min (D) 1059 P.S.I.
Tool Open F.F.P. From 3:17 A M. to 4:02 A M. - Hr. 45 Min. From (E) 941 P.S.I. To (F) 1058 P.S.I.
Tool Closed F.C.I.P. From 4:02 M. to 5:32 A M. 1 Hr. 30 Min. (G) 1072 P.S.I.
Initial Hydrostatic Pressure (A) 1152 P.S.I. Final Hydrostatic Pressure (H) 1140 P.S.I. Maximum Temp. 98

INFORMATION

BLOW Strong blow on initial flow period, blow weaker on final flow period.

Did Well Flow Yes No Recovery Total Ft. 2140' saltwater.

Reversed Out Yes No Mud Type premix Viscosity 30 Weight 9.5 Water Loss cc. Chlorides 42,000 P.P.M.

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 XPLOR Drlg. Co. Length Drill Pipe? 2138 Ft. I.D. Drill Pipe 244 In. Tool Joint Size 2 1/4 In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 244 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 58 Ft.

Remarks: Chlorides check - 35,000 P.P.M. (top)
" " - 63,000 P.P.M. (middle)
" " - 135,000 P.P.M. (bottom)

WESTERN TESTING CO., INC.
Pressure Data

Date 5-14-77 Test Ticket No. 25682
 Recorder No. 2604 Capacity 4150 Location 2399 Ft.
 Clock No. 4763 Elevation 1444 Kelly Bushing Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1152	P.S.I.	1:46 A M	
B First Initial Flow Pressure	254	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	910	P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1059	P.S.I.	45 Mins.	45 Mins.
E Second Initial Flow Pressure	941	P.S.I.	90 Mins.	105 Mins.
F Second Final Flow Pressure	1058	P.S.I.		
G Final Closed-in Pressure	1072	P.S.I.		
H Final Hydrostatic Mud	1140	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>35</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	254	0	910	0	941	0	1058
P 2	5	451	3	1015	5	971	3	1065
P 3	10	615	6	1029	10	998	6	1067
P 4	15	728	9	1033	15	1017	9	1067
P 5	20	816	12	1040	20	1029	12	1067
P 6	25	866	15	1042	25	1038	15	1067
P 7	30	910	18	1046	30	1044	18	1068
P 8			21	1048	35	1050	21	1068
P 9			24	1050	40	1054	24	1068
P10			27	1052	45	1058	27	1068
P11			30	1054			30	1068
P12			33	1054			33	1069
P13			36	1055			36	1069
P14			39	1056			39	1069
P15			42	1057			42	1069
P16			45	1057			45	1069
P17			48	1058			48	1070
P18			51	1058			51	1070
P19			54	1059			54	1070
P20			57	1059			57	1070
			60	1059			60	1070

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WESTERN TESTING CO., INC.
Pressure Data

Date 5-14-77 Test Ticket No. 25682
 Recorder No. 2604 Capacity 4150 Location 2399 Ft.
 Clock No. 4763 Elevation 1444 Kelly Bushing Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1152</u> P.S.I.	Open Tool	<u>1:46 AM</u>	
B First Initial Flow Pressure	<u>254</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>910</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1059</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>941</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>105</u> Mins.
F Second Final Flow Pressure	<u>1058</u> P.S.I.			
G Final Closed-in Pressure	<u>1072</u> P.S.I.			
H Final Hydrostatic Mud	<u>1140</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.

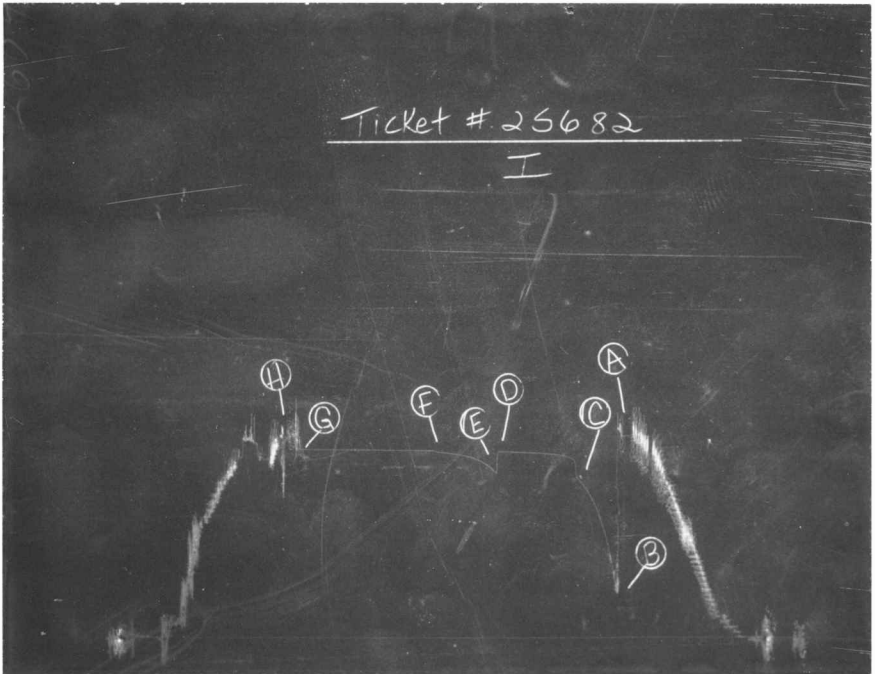
Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 35 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						<u>63</u>	<u>1071</u>
P 2						<u>66</u>	<u>1071</u>
P 3						<u>69</u>	<u>1071</u>
P 4						<u>72</u>	<u>1071</u>
P 5						<u>75</u>	<u>1071</u>
P 6						<u>78</u>	<u>1071</u>
P 7						<u>81</u>	<u>1071</u>
P 8						<u>84</u>	<u>1071</u>
P 9						<u>87</u>	<u>1071</u>
P10						<u>90</u>	<u>1071</u>
P11						<u>93</u>	<u>1072</u>
P12						<u>96</u>	<u>1072</u>
P13						<u>99</u>	<u>1072</u>
P14						<u>102</u>	<u>1072</u>
P15						<u>105</u>	<u>1072</u>
P16							
P17							
P18							
P19							
P20							

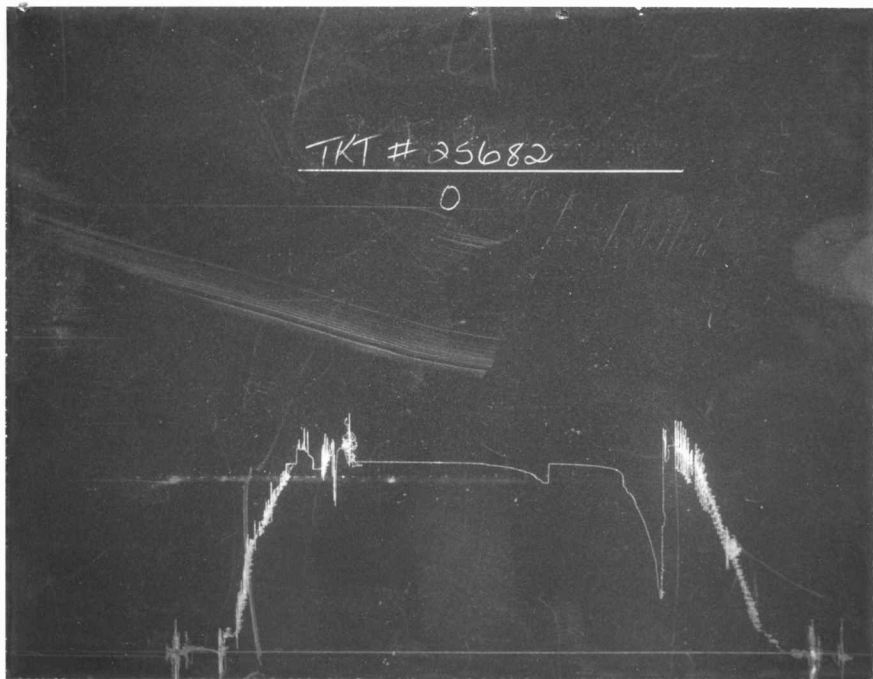
Ticket # 25682

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TKT # 25682

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P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 25682

Formation Ind. core Elevation 1444 KB Eff. Pay _____ Ft.

District Pratt Date 5-14-77 Customer Order No. _____

COMPANY NAME Texas Oil & Gas Corp.
ADDRESS see att. sheet 200 W. Douglas ~~300~~ Suite 300
LEASE AND WELL NO. Findley #1 COUNTY Harper STATE Kansas Sec 29 Twp 32 S Rge B W
Mail Inv. To see att. sheet No. Copies Requested _____
Co. Name _____ Address _____
Mail Charts To _____ No. Copies Requested _____

Formation Test No. #1 O.K. Misrun _____ Interval Tested From 2381 to 2440 Total Depth 2440
Size Main Hole 7 7/8 Rat Hole _____ Conv. B.T. _____ Damaged Yes No Conv. B.T. _____ Damaged Yes No
Top Packer Depth 2376 Ft. Size 6 3/4 Bottom Packer Depth 2381 Ft. Size 6 3/4
Straddle _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____ Packer Depth _____ Ft. Size _____
Tool Size 5 1/2 00 Tool Joint Size 4 1/2 FH Anchor Length 59 Ft. Size 5 1/2 00 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2399 Ft. Clock No. 4763 Inside _____ Outside _____
Top Make Kuster Cap. 4150 No. 2604 Inside _____ Outside _____
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____

Time Set Packer 1:46 AM
Tool Open I.F.P. From 1:47 AM. to 2:17 AM. Hr. 30 Min. From (B) 245 254 P.S.I. To (C) 909 910 P.S.I.
Tool Closed I.C.I.P. From 2:17 AM. to 3:17 AM. 1 Hr. Min. (D) 1045 1059 P.S.I.
Tool Open F.F.P. From 3:17 AM. to 4:02 AM. Hr. 45 Min. From (E) 920 941 P.S.I. To (F) 1045 1058 P.S.I.
Tool Closed F.C.I.P. From 4:02 AM. to 5:32 AM. 1 Hr. 30 Min. (G) 1066 1072 P.S.I.
Initial Hydrostatic Pressure (A) 1119 1152 P.S.I. Final Hydrostatic Pressure (H) 1119 1140 P.S.I. Maximum Temp. 90

INFORMATION

BLOW Strong blow on 1st opening is a little weaker on 2nd opening.
Did Well Flow Yes No _____ Recovery Total Ft. 2140 ft. salt water

Reversed Out Yes _____ No _____ Mud Type Premix Viscosity 30 Weight 95 Water Loss _____ cc. Chlorides 42,000
EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint yes Jars: Size 7 1/2 IF In. Make WTC Ser. No. 403
Dual Packers yes Did Packers Hold? yes Did Tool Plug? no Where? _____
DRILLING CONTRACTOR Xplor Drilling Co. Length Drill Pipe 2138 ft. I.D. Drill Pipe 8.4 In. Tool Joint Size 4 FH In.
Length Weight Pipe _____ ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars 244 ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 58 ft.

Remarks chlorides check Top. 35,000 Mid. 63000 Bottom 135,000

INVOICE SECTION

Open Hole Test	\$ 380.00
Straddle Test	\$
Jars	\$ 175.00
Selective Zone	\$
Safety Joint	\$ 30.00
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$ 20.00
Total	\$ 605.00

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By R. W. Dahlberg Western Representative Lennie J. Davis
Signature of Customer or his Authorized Representative Operator's Time 12.10 Hrs. I thank you

WESTERN TESTING CO., INC.
Pressure Data

Date 5-14-77 Test Ticket No. 25682
 Recorder No. 2604 Capacity 4150 Location 2399 Ft.
 Clock No. 4763 Elevation 1444 K.B. Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1152</u>	P.S.I.	<u>1:46 A</u> M	
B First Initial Flow Pressure	<u>254</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>910</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1059</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>941</u>	P.S.I.	<u>90</u> Mins.	<u>105</u> Mins.
F Second Final Flow Pressure	<u>1058</u>	P.S.I.		
G Final Closed-in Pressure	<u>1072</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1140</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>35</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>254</u>	<u>0</u>	<u>910</u>	<u>0</u>	<u>941</u>	<u>0</u>	<u>1058</u>
P 2	<u>451</u>	<u>3</u>	<u>1015</u>	<u>5</u>	<u>971</u>	<u>3</u>	<u>1065</u>
P 3	<u>615</u>	<u>6</u>	<u>1029</u>	<u>10</u>	<u>998</u>	<u>6</u>	<u>1067</u>
P 4	<u>728</u>	<u>9</u>	<u>1033</u>	<u>15</u>	<u>1017</u>	<u>9</u>	<u>1067</u>
P 5	<u>816</u>	<u>12</u>	<u>1040</u>	<u>20</u>	<u>1029</u>	<u>12</u>	<u>1067</u>
P 6	<u>866</u>	<u>15</u>	<u>1042</u>	<u>25</u>	<u>1038</u>	<u>15</u>	<u>1067</u>
P 7	<u>910</u>	<u>18</u>	<u>1046</u>	<u>30</u>	<u>1044</u>	<u>18</u>	<u>1068</u>
P 8		<u>21</u>	<u>1048</u>	<u>35</u>	<u>1050</u>	<u>21</u>	<u>1068</u>
P 9		<u>24</u>	<u>1050</u>	<u>40</u>	<u>1054</u>	<u>24</u>	<u>1068</u>
P10		<u>27</u>	<u>1052</u>	<u>45</u>	<u>1058</u>	<u>27</u>	<u>1068</u>
P11		<u>30</u>	<u>1054</u>	<u>50</u>		<u>30</u>	<u>1068</u>
P12		<u>33</u>	<u>1054</u>	<u>55</u>		<u>33</u>	<u>1069</u>
P13		<u>36</u>	<u>1055</u>	<u>60</u>		<u>36</u>	<u>1069</u>
P14		<u>39</u>	<u>1056</u>	<u>65</u>		<u>39</u>	<u>1069</u>
P15		<u>42</u>	<u>1057</u>	<u>70</u>		<u>42</u>	<u>1069</u>
P16		<u>45</u>	<u>1057</u>	<u>75</u>		<u>45</u>	<u>1069</u>
P17		<u>48</u>	<u>1058</u>	<u>80</u>		<u>48</u>	<u>1070</u>
P18		<u>51</u>	<u>1058</u>	<u>85</u>		<u>51</u>	<u>1070</u>
P19		<u>54</u>	<u>1059</u>	<u>90</u>		<u>54</u>	<u>1070</u>
P20		<u>57</u>	<u>1059</u>			<u>57</u>	<u>1070</u>
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443	1071	338	
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445	1071	340	
446	1071	341	
447	1071	342	
448	1071	343	
449	1071	344	
450	1071	345	
451	1071	346	
452			



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

Company Texas Oil & Gas Corp. Lease & Well No. Findley #1
Elevation 1444 Kelly Bushing Formation Emporia Effective Pay - Ft. Ticket No. 25683
Date 5-15-77 Sec. 29 Twp. 32S Range 8W County Harper State Kansas
Test Approved by K.W Dahlberg Western Representative Lonnie J. Cline

Formation Test No. 2 O.K. Misrun Interval Tested From 2821' to 2843' Total Depth 2843'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 2816 Ft. Size 6 3/4 Bottom Packer Depth 2821 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 22 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2835 Ft. Clock No. 4763 Depth 2838 Ft. Clock No. 9726
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 3:35 A M
Tool Open I.F.P. From 3:36 A M. to 4:16 A M. - Hr. 40 Min. From (B) 151 P.S.I. To (C) 470 P.S.I.
Tool Closed I.C.I.P. From 4:16 M. to 5:36 A M. 1 Hr. 20 Min (D) 1222 P.S.I.
Tool Open F.F.P. From 5:36 A M. to 6:21 A M. - Hr. 45 Min. From (E) 447 P.S.I. To (F) 619 P.S.I.
Tool Closed F.C.I.P. From 6:21 M. to 7:51 A M. 1 Hr. 30 Min. (G) 1215 P.S.I.
Initial Hydrostatic Pressure (A) 1406 P.S.I. Final Hydrostatic Pressure (H) 1395 P.S.I. Maximum Temp. 103

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 35 minutes. See attached sheet for gas measurements.

Did Well Flow - Yes No Recovery Total Ft. 1302' salt water.

Reversed Out - Yes No Mud Type premix Viscosity 34 Weight 9.2 Water Loss 64.0 cc. Chlorides 24,000 P.P.M.

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 XPLOR Drlg. Co. Length Drill Pipe? 2547 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 244 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 52 Ft.

Remarks: Slid tool 10' to bottom.
Chlorides check - 42,000 P.P.M. (top)
" " - 119,000 P.P.M. (middle)
" " - 135,000 P.P.M. (bottom)



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

GAS FLOW REPORT

Date 5-15-77 Ticket 25683 Company Texas Oil & Gas Corp.
 Well Name and No. Findley #1 Dst No. 2 Interval Tested 2821' - 2843'
 County Harper State Kansas Sec. 29 Twp. 32S Rg. 8W

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						

SECOND FLOW						
5:50 AM	10 min.	5 inches	of water		1/4" choke	3,710 C.F.P.D.
5:55 AM	15 min.	15 inches	of water		1/4" choke	6,550 C.F.P.D.
6:00 AM	20 min.	20 inches	of water		1/4" choke	7,510 C.F.P.D.
6:05 AM	25 min.	20 inches	of water		1/4" choke	7,510 C.F.P.D.
6:10 AM	30 min.	20 inches	of water		1/4" choke	7,510 C.F.P.D.
6:15 AM	35 min.	22 inches	of water		1/4" choke	7,880 C.F.P.D.
6:20 AM	40 min.	20 inches	of water		1/4" choke	7,510 C.F.P.D.
6:25 AM	45 min.	4.5 PSIG			1/4" choke	19,500 C.F.P.D.

GAS BOTTLE

Serial No. 622 Date Bottle Filled 5-15-77 Date to be Invoiced 5-15-77

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

WESTERN TESTING CO., INC.
Pressure Data

Date 5-15-77 Test Ticket No. 25683
 Recorder No. 2604 Capacity 4150 Location 2835 Ft.
 Clock No. 4763 Elevation 1444 Kelly Bushing Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1406</u>	P.S.I.	<u>3:35</u> A M	
B First Initial Flow Pressure	<u>151</u>	P.S.I.	<u>40</u> Mins.	<u>40</u> Mins.
C First Final Flow Pressure	<u>470</u>	P.S.I.	<u>80</u> Mins.	<u>87</u> Mins.
D Initial Closed-in Pressure	<u>1222</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>447</u>	P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>619</u>	P.S.I.		
G Final Closed-in Pressure	<u>1215</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1395</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>8</u> Inc.		Breakdown: <u>29</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>0</u>	<u>470</u>	<u>0</u>	<u>447</u>	<u>0</u>	<u>619</u>
P 2	<u>5</u>	<u>3</u>	<u>945</u>	<u>5</u>	<u>442</u>	<u>3</u>	<u>1013</u>
P 3	<u>10</u>	<u>6</u>	<u>1082</u>	<u>10</u>	<u>470</u>	<u>6</u>	<u>1109</u>
P 4	<u>15</u>	<u>9</u>	<u>1130</u>	<u>15</u>	<u>494</u>	<u>9</u>	<u>1142</u>
P 5	<u>20</u>	<u>12</u>	<u>1153</u>	<u>20</u>	<u>519</u>	<u>12</u>	<u>1159</u>
P 6	<u>25</u>	<u>15</u>	<u>1167</u>	<u>25</u>	<u>542</u>	<u>15</u>	<u>1167</u>
P 7	<u>30</u>	<u>18</u>	<u>1178</u>	<u>30</u>	<u>561</u>	<u>18</u>	<u>1176</u>
P 8	<u>35</u>	<u>21</u>	<u>1184</u>	<u>35</u>	<u>582</u>	<u>21</u>	<u>1180</u>
P 9	<u>40</u>	<u>24</u>	<u>1188</u>	<u>40</u>	<u>600</u>	<u>24</u>	<u>1184</u>
P10		<u>27</u>	<u>1190</u>	<u>45</u>	<u>619</u>	<u>27</u>	<u>1186</u>
P11		<u>30</u>	<u>1194</u>			<u>30</u>	<u>1188</u>
P12		<u>33</u>	<u>1199</u>			<u>33</u>	<u>1190</u>
P13		<u>36</u>	<u>1203</u>			<u>36</u>	<u>1193</u>
P14		<u>39</u>	<u>1205</u>			<u>39</u>	<u>1196</u>
P15		<u>42</u>	<u>1207</u>			<u>42</u>	<u>1197</u>
P16		<u>45</u>	<u>1209</u>			<u>45</u>	<u>1199</u>
P17		<u>48</u>	<u>1211</u>			<u>48</u>	<u>1201</u>
P18		<u>51</u>	<u>1213</u>			<u>51</u>	<u>1203</u>
P19		<u>54</u>	<u>1215</u>			<u>54</u>	<u>1205</u>
P20		<u>57</u>	<u>1216</u>			<u>57</u>	<u>1207</u>
		<u>60</u>	<u>1217</u>			<u>60</u>	<u>1208</u>

WTC - 4

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WESTERN TESTING CO., INC.
Pressure Data

Date 5-15-77 Test Ticket No. 25683
 Recorder No. 2604 Capacity 4150 Location 2835 Ft.
 Clock No. 4763 Elevation 1444 Kelly Bushing Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1406	P.S.I.	3:35 A M	
B First Initial Flow Pressure	151	P.S.I.	40 Mins.	40 Mins.
C First Final Flow Pressure	470	P.S.I.	80 Mins.	87 Mins.
D Initial Closed-in Pressure	1222	P.S.I.	45 Mins.	45 Mins.
E Second Initial Flow Pressure	447	P.S.I.	90 Mins.	90 Mins.
F Second Final Flow Pressure	619	P.S.I.		
G Final Closed-in Pressure	1215	P.S.I.		
H Final Hydrostatic Mud	1395	P.S.I.		

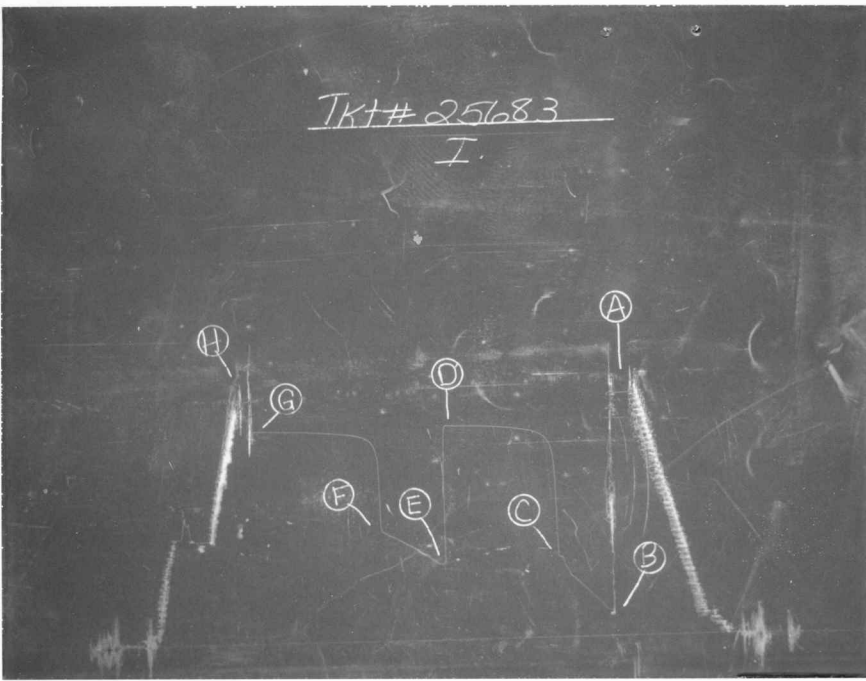
PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>8</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>29</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		63	1218			63	1209
P 2		66	1219			66	1209
P 3		69	1219			69	1210
P 4		72	1220			72	1211
P 5		75	1220			75	1212
P 6		78	1220			78	1212
P 7		81	1221			81	1213
P 8		84	1221			84	1214
P 9		87	1222			87	1214
P10						90	1215
P11							
P12							
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P16							
P17							
P18							
P19							
P20							

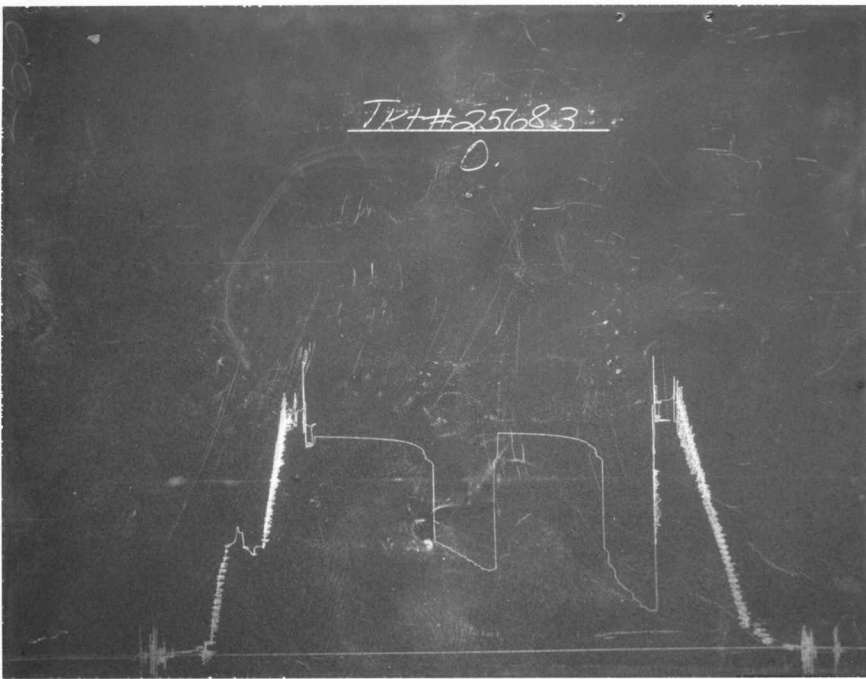
TKT# 25683

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TK1#25683

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET 25683

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

Formation Emporia Elevation 4444 KB Eff. Pay Ft.

District Pratt

Date 5-15-77

Customer Order No.

COMPANY NAME Texas Oil & Gas

ADDRESS same as DST #1

LEASE AND WELL NO. #1 Findley COUNTY Harper STATE Kansas Sec 29 Twp 32S Rge 8W

Mail Inv. To same as DST #1

No. Copies Requested

Co. Name

Address

Mail Charts To

No. Copies Requested

Address

Formation Test No. #2 O.K. Misrun Interval Tested From 2821 to 2843 Total Depth 2843
Size Main Hole 7 3/4 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 2816 Ft. Size 6 3/4 Bottom Packer Depth 2821 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size
Tool Size 5 1/2 00 Tool Joint Size 4 1/2 FH Anchor Length 22 Ft. Size 5 1/2 00 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2835 Ft. Clock No. 4763 Inside Top Make Kuster Cap. 4150 No. 2604 Outside Bottom Make Kuster Cap. 4150 No. 2606 Inside
Below Straddle: Depth Rec. No. Clock No. Outside

Time Set Packer 3:30 AM 4:16 AM
Tool Open I.F.P. From 7:36 AM to 8:00 AM Hr. 40 Min. From (B) 127 P.S.I. To (C) 437 P.S.I.
Tool Closed I.C.I.P. From 4:16 AM to 4:51 AM Hr. 20 Min. (D) 1282 1222 P.S.I.
Tool Open F.F.P. From 5:36 AM to 6:21 AM Hr. 45 Min. From (E) 427 P.S.I. To (F) 617 619 P.S.I.
Tool Closed F.C.I.P. From 6:21 AM to 7:51 AM Hr. 30 Min. (G) 1202 1215 P.S.I.
Initial Hydrostatic Pressure (A) 1369 P.S.I. Final Hydrostatic Pressure (H) 1369 1395 P.S.I. Maximum Temp. 103

INFORMATION

BLOW Strong blow gas to sur. 35 mins. (see att. sheets)

Did Well Flow Yes No Recovery Total Ft. 1302 ft. salt water

Reversed Out Yes No Mud Type Premix Viscosity 34 Weight 9.2 Water Loss 64.0 cc. Chlorides 24,000
EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint yes Jars: Size 3 1/2 In. Make WTC Ser. No. 405
Dual Packers yes Did Packers Hold? yes Did Tool Plug? no Where?
DRILLING CONTRACTOR Xplor Drly. Co. Length Drill Pipe 2547 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 244 ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4 1/2 In. Length D.S.T. Tool 52 ft.

Remarks sli. tool 10 ft. Chlorides check Top 42,000 Mid. 119,000 Bottom 135,000

INVOICE SECTION

Table with 2 columns: Item, Amount. Includes Open Hole Test \$380.00, Straddle Test, Jars \$175.00, Selective Zone, Safety Joint \$30.00, Misrun, Evaluation, Packer, Circ. Sub. \$20.00, Total \$605.

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made. All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Western Representative [Signature] Operator's Time 3 hours 45 mins Hrs.

WESTERN TESTING CO., INC.
Pressure Data

Date 5-15-77 Test Ticket No. 25683
 Recorder No. 2604 Capacity 4150 Location 2835 Ft.
 Clock No. 4763 Elevation 1444 K.B. Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1406</u> P.S.I.	Open Tool	<u>3:35 A</u> M	
B First Initial Flow Pressure	<u>151</u> P.S.I.	First Flow Pressure	<u>40</u> Mins.	<u>40</u> Mins.
C First Final Flow Pressure	<u>470</u> P.S.I.	Initial Closed-in Pressure	<u>80</u> Mins.	<u>87</u> Mins.
D Initial Closed-in Pressure	<u>1222</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>447</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>619</u> P.S.I.			
G Final Closed-in Pressure	<u>1215</u> P.S.I.			
H Final Hydrostatic Mud	<u>1395</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>8</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>29</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>151</u>	0	<u>470</u>	0	<u>447</u>	0	<u>619</u>
P 2	<u>164</u>	3	<u>945</u>	5	<u>442</u>	3	<u>1013</u>
P 3	<u>205</u>	6	<u>1082</u>	10	<u>470</u>	6	<u>1109</u>
P 4	<u>235</u>	9	<u>1130</u>	15	<u>494</u>	9	<u>1142</u>
P 5	<u>275</u>	12	<u>1153</u>	20	<u>519</u>	12	<u>1159</u>
P 6	<u>310</u>	15	<u>1167</u>	25	<u>542</u>	15	<u>1167</u>
P 7	<u>348</u>	18	<u>1178</u>	30	<u>561</u>	18	<u>1176</u>
P 8	<u>402</u>	21	<u>1184</u>	35	<u>582</u>	21	<u>1180</u>
P 9	<u>470</u>	24	<u>1188</u>	40	<u>600</u>	24	<u>1184</u>
P10		27	<u>1190</u>	45	<u>619</u>	27	<u>1186</u>
P11		30	<u>1194</u>	50		30	<u>1188</u>
P12		33	<u>1199</u>	55		33	<u>1190</u>
P13		36	<u>1203</u>	60		36	<u>1193</u>
P14		39	<u>1205</u>	65		39	<u>1196</u>
P15		42	<u>1207</u>	70		42	<u>1197</u>
P16		45	<u>1209</u>	75		45	<u>1199</u>
P17		48	<u>1211</u>	80		48	<u>1201</u>
P18		51	<u>1213</u>	85		51	<u>1203</u>
P19		54	<u>1215</u>	90		54	<u>1205</u>
P20		57	<u>1216</u>			57	<u>1207</u>
		60	<u>1217</u>			60	<u>1208</u>

WTC - 4 over over

63 - 1218
66 - 1219
69 - 1219
72 - 1220
75 - 1220
78 - 1220
81 - 1221
84 - 1221
87 - 1222

63 - 1209
66 - 1209
69 - 1210
72 - 1211
75 - 1212
78 - 1212
81 - 1213
84 - 1214
87 - 1214
90 - 1215



GAS FLOW REPORT

Nº 647

Date 5-15-77 Ticket 23683 Company Texas Oil & Gas
Well Name and No. #1 Findley Dst No. #2 Interval Tested 2821-2843
County Harper State Kansas Sec. 29 Twp 32S Rg. 8W

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						
<i>gas to sur. 35 mins.</i>						

<i>1/4" orifice</i>			SECOND FLOW			
<i>5:50</i>	<i>10 min</i>	<i>5</i>				<i>3,710</i>
<i>5:55</i>	<i>15 min</i>	<i>15</i>				<i>6,550</i>
<i>6:00</i>	<i>20 min</i>	<i>20</i>				<i>7,510</i>
<i>6:05</i>	<i>25 min</i>	<i>20</i>				<i>7,510</i>
<i>6:10</i>	<i>30 min</i>	<i>20</i>				<i>7,510</i>
<i>6:15</i>	<i>35 min</i>	<i>22</i>				<i>7,880</i>
<i>6:20</i>	<i>40 min</i>	<i>20</i>				<i>7,510</i>
<i>6:25</i>	<i>45 min</i>	<i>4.5</i>				<i>19,500</i>

GAS BOTTLE

Serial No. 622 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 _____
Authorized by JW Dahlberg



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

Company Texas Oil & Gas Corp. Lease & Well No. Findley #1
Elevation 1444 Kelly Bushing Formation Douglas Sand Effective Pay - Ft. Ticket No. 25684
Date 5-16-77 Sec. 29 Twp. 32S Range 8W County Harper State Kansas
Test Approved by K.W. Dahlberg Western Representative Lonnie J. Cline

Formation Test No. 3 O.K. Misrun Interval Tested From 3405' to 3450' Total Depth 3450'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 3400 Ft. Size 6 3/4 Bottom Packer Depth 3405 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 45 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3410 Ft. Clock No. 4763 Depth 3413 Ft. Clock No. 9726
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 2:13 P.M.
Tool Open I.F.P. From 2:14 P.M. to 2:44 P.M. - Hr. 30 Min. From (B) 55 P.S.I. To (C) 220 P.S.I.
Tool Closed I.C.I.P. From 2:44 P.M. to 3:44 P.M. 1 Hr. - Min (D) 1470 P.S.I.
Tool Open F.F.P. From 3:44 P.M. to 4:29 P.M. - Hr. 45 Min. From (E) 250 P.S.I. To (F) 256 P.S.I.
Tool Closed F.C.I.P. From 4:29 P.M. to 5:59 P.M. 1 Hr. 30 Min. (G) 1466 P.S.I.
Initial Hydrostatic Pressure (A) 1653 P.S.I. Final Hydrostatic Pressure (H) 1639 P.S.I. Maximum Temp. 112

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 6 minutes. See attached sheet for gas measurements.

Did Well Flow - Yes No Recovery Total Ft. 216' Total Recovery; 30' muddy water, 186' water

Reversed Out - Yes No Mud Type premix Viscosity 37 Weight 9.4 Water Loss 15.2 cc. Chlorides 30,000 P.P.M.

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 XPLOR Drilg. Co. Length Drill Pipe? 3131 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 244 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 75 Ft.

Remarks: Slid tool 5' to bottom.
Chlorides Check - 42,000 P.P.M. (top)
" " - 83,000 P.P.M. (middle)
" " - 130,000 P.P.M. (bottom)

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 5-16-77 Ticket 25684 Company Texas Oil & Gas Corp.
Well Name and No. Findley #1 Dst No. 3 Interval Tested 3405' - 3450'
County Harper State Kansas Sec. 29 Twp. 32S Rg. 8W

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						
2:24 PM	10 min.	50 PSIG				½" choke 337,000 C.F.P.D.
2:29 PM	15 min.	80 PSIG				½" choke 491,000 C.F.P.D.
2:34 PM	20 min.	70 PSIG				¾"choke 988,000 C.F.P.D.
2:39 PM	25 min.	56 PSIG				¾"choke 825,000 C.F.P.D.
2:44 PM	30 min.	62 PSIG				¾"choke 895,000 C.F.P.D.

SECOND FLOW						
3:49 PM	5 min.	90 PSIG				¾"choke 1,220,000 C.F.P.D.
3:54 PM	10 min.	98 PSIG				¾"choke 1,313,000 C.F.P.D.
3:59 PM	15 min.	97 PSIG				¾"choke 1,301,000 C.F.P.D.
4:04 PM	20 min.	92 PSIG				¾"choke 1,243,000 C.F.P.D.
4:09 PM	25 min.	88 PSIG				¾"choke 1,197,000 C.F.P.D.
4:14 PM	30 min.	88 PSIG				¾"choke 1,197,000 C.F.P.D.
4:19 PM	35 min.	87 PSIG				¾"choke 1,185,000 C.F.P.D.
4:24 PM	40 min.	87 PSIG				¾"choke 1,185,000 C.F.P.D.
4:29 PM	45 min.	86 PSIG				¾"choke 1,174,000 C.F.P.D.

GAS BOTTLE

Serial No. 640 Date Bottle Filled 5-16-77 Date to be Invoiced 5-16-77

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

WESTERN TESTING CO., INC.
Pressure Data

Date 5-16-77 Test Ticket No. 25684
 Recorder No. 2604 Capacity 4150 Location 3410 Ft.
 Clock No. 4763 Elevation 1444 Kelly Bushing Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1653</u> P.S.I.	Open Tool	<u>2:13P.</u> M	
B First Initial Flow Pressure	<u>55</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>220</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1470</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>250</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>256</u> P.S.I.			
G Final Closed-in Pressure	<u>1466</u> P.S.I.			
H Final Hydrostatic Mud	<u>1639</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: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 9 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 <u>0</u>	<u>55</u>	<u>0</u>	<u>220</u>	<u>0</u>	<u>250</u>	<u>0</u>	<u>256</u>
P 2 <u>5</u>	<u>94</u>	<u>3</u>	<u>1401</u>	<u>5</u>	<u>273</u>	<u>3</u>	<u>1359</u>
P 3 <u>10</u>	<u>143</u>	<u>6</u>	<u>1439</u>	<u>10</u>	<u>280</u>	<u>6</u>	<u>1414</u>
P 4 <u>16</u>	<u>190</u>	<u>9</u>	<u>1450</u>	<u>15</u>	<u>273</u>	<u>9</u>	<u>1429</u>
P 5 <u>20</u>	<u>230</u>	<u>12</u>	<u>1454</u>	<u>20</u>	<u>262</u>	<u>12</u>	<u>1435</u>
P 6 <u>25</u>	<u>211</u>	<u>15</u>	<u>1458</u>	<u>25</u>	<u>258</u>	<u>15</u>	<u>1439</u>
P 7 <u>30</u>	<u>220</u>	<u>18</u>	<u>1460</u>	<u>30</u>	<u>257</u>	<u>18</u>	<u>1443</u>
P 8 _____		<u>21</u>	<u>1462</u>	<u>35</u>	<u>256</u>	<u>21</u>	<u>1448</u>
P 9 _____		<u>24</u>	<u>1463</u>	<u>40</u>	<u>256</u>	<u>24</u>	<u>1450</u>
P10 _____		<u>27</u>	<u>1464</u>	<u>45</u>	<u>256</u>	<u>27</u>	<u>1452</u>
P11 _____		<u>30</u>	<u>1465</u>			<u>30</u>	<u>1454</u>
P12 _____		<u>33</u>	<u>1466</u>			<u>33</u>	<u>1456</u>
P13 _____		<u>36</u>	<u>1467</u>			<u>36</u>	<u>1457</u>
P14 _____		<u>39</u>	<u>1468</u>			<u>39</u>	<u>1458</u>
P15 _____		<u>42</u>	<u>1469</u>			<u>42</u>	<u>1459</u>
P16 _____		<u>45</u>	<u>1470</u>			<u>45</u>	<u>1460</u>
P17 _____						<u>48</u>	<u>1460</u>
P18 _____						<u>51</u>	<u>1461</u>
P19 _____						<u>54</u>	<u>1461</u>
P20 _____						<u>57</u>	<u>1462</u>
						<u>60</u>	<u>1462</u>

WESTERN TESTING CO., INC.
Pressure Data

Date 5-16-77 Test Ticket No. 25684
 Recorder No. 2604 Capacity 4150 Location 3410
 Clock No. 4763 Elevation 1444 Kelly Bushing Well Temperature 112

Point	Pressure		Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	1653	P.S.I.		2:13 P M	
B First Initial Flow Pressure	55	P.S.I.	First Flow Pressure	30 Mins.	30 Min
C First Final Flow Pressure	220	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Min
D Initial Closed-in Pressure	1470	P.S.I.	Second Flow Pressure	45 Mins.	45 Min
E Second Initial Flow Pressure	250	P.S.I.	Final Closed-in Pressure	90 Mins.	90 Min
F Second Final Flow Pressure	256	P.S.I.			
G Final Closed-in Pressure	1466	P.S.I.			
H Final Hydrostatic Mud	1639	P.S.I.			

PRESSURE BREAKDOWN

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

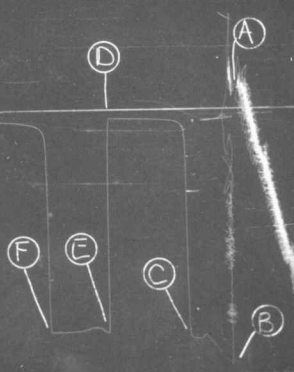
Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 9 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.

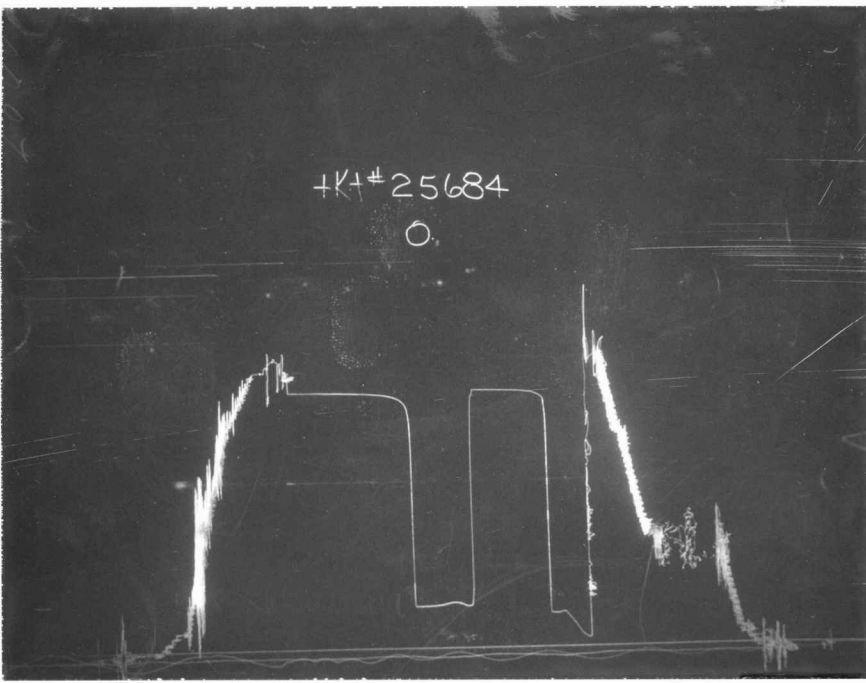
Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1								63
P 2								66
P 3								69
P 4								72
P 5								75
P 6								78
P 7								81
P 8								84
P 9								87
P10								90
P11								
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

TK# 25684
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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 25684

P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

Formation Douglas Sand Elevation 1444 KB Eff. Pay Ft.

District Pratt Date 5-16-77 Customer Order No.

COMPANY NAME Texas Oil & Gas Corp.

ADDRESS same as DST #1 260 W. Douglas Suite 300

LEASE AND WELL NO. #1 Findley COUNTY Harper STATE Kansas Sec 29 Twp 22S Rge 9W

Mail Inv. To same as DST #1 Co. Name Address No. Copies Requested

Mail Charts To Address No. Copies Requested

Formation Test No. #3 O.K. Misrun Interval Tested From 3405 to 3450 Total Depth 3450

Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 3400 Ft. Size 6 3/4 Bottom Packer Depth 3405 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 5 1/2 00 Tool Joint Size 4 1/2 FH Anchor Length 45 Ft. Size 5 1/2 00 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3410 Ft. Clock No. 4763 Depth 3413 Ft. Clock No. 9726

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. Depth Ft. Rec. No. Clock No.

Time Set Packer 2:12 PM

Tool Open I.F.P. From 2:14 P.M. to 2:44 P.M. Hr. 30 Min. From (B) 53 55 P.S.I. To (C) 213 220 P.S.I.

Tool Closed I.C.I.P. From 2:44 P.M. to 3:44 P.M. 1 Hr. Min. (D) 1464 1470 P.S.I.

Tool Open F.F.P. From 3:44 P.M. to 4:29 P.M. Hr. 45 Min. From (E) 256 256 P.S.I. To (F) 256 256 P.S.I.

Tool Closed F.C.I.P. From 4:29 P.M. to 5:59 P.M. 1 Hr. 30 Min. (G) 1464 1466 P.S.I.

Initial Hydrostatic Pressure (A) 1632 1633 P.S.I. Final Hydrostatic Pressure (H) 1632 1639 P.S.I. Maximum Temp. 112

BLOW Strong blow gas to sur. in 6 min. (see att. sheet)

Did Well Flow Yes No Recovery Total Ft. 210ft. 30ft. muddy water. 186ft. water.

Reversed Out Yes No Mud Type Premix Viscosity 37 Weight 9.4 Water Loss 15.2 cc. Chlorides 39,000

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint yes Jars: Size 35 IF In. Make WTC Ser. No. 409

Dual Packers yes Did Packers Hold? yes Did Tool Plug? no Where?

DRILLING CONTRACTOR X Plor Drly. Co. Length Drill Pipe 313/1 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 244 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 X 1 1/2 In. Length D.S.T. Tool 35 ft.

Remarks sli. tool 5 ft. Chlorides check TOP 42,000 P.P.M. Mid. 83,000 P.P.M. Bottom 130,000 P.P.M.

COMPANY TERMS Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

INVOICE SECTION

Table with 2 columns: Test Name and Amount. Rows include Open Hole Test (\$380.00), Straddle Test, Jars (\$175.00), Selective Zone, Safety Joint (\$30.00), Misrun, Evaluation, Packer, Circ. Sub., and Total (\$585.00).

Test Approved By [Signature] Western Representative [Signature] Operator's Time [Signature] Hrs.

WESTERN TESTING CO., INC.
Pressure Data

Test Ticket No. 25684
 Order No. 2604 Capacity 4150 Location 3410 Ft.
 Check No. 4763 Elevation 1444 K.B. Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	<u>1653</u> P.S.I.	Open Tool	<u>2:13 P</u>	<u>M</u>
First Initial Flow Pressure	<u>55</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
First Final Flow Pressure	<u>220</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
Initial Closed-in Pressure	<u>1470</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
Second Initial Flow Pressure	<u>250</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
Second Final Flow Pressure	<u>256</u> P.S.I.			
Final Closed-in Pressure	<u>1466</u> P.S.I.			
Final Hydrostatic Mud	<u>1639</u> P.S.I.			

PRESSURE BREAKDOWN

Point ins.	First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes
1	<u>55</u>	<u>0</u>	<u>220</u>	<u>0</u>
2	<u>94</u>	<u>3</u>	<u>1401</u>	<u>3</u>
3	<u>143</u>	<u>6</u>	<u>1439</u>	<u>6</u>
4	<u>190</u>	<u>9</u>	<u>1450</u>	<u>9</u>
5	<u>230</u>	<u>12</u>	<u>1454</u>	<u>12</u>
6	<u>211</u>	<u>15</u>	<u>1458</u>	<u>15</u>
7	<u>220</u>	<u>18</u>	<u>1460</u>	<u>18</u>
8		<u>21</u>	<u>1462</u>	<u>21</u>
9		<u>24</u>	<u>1463</u>	<u>24</u>
10		<u>27</u>	<u>1464</u>	<u>27</u>
11		<u>30</u>	<u>1465</u>	<u>30</u>
12		<u>33</u>	<u>1466</u>	<u>33</u>
13		<u>36</u>	<u>1467</u>	<u>36</u>
14		<u>39</u>	<u>1468</u>	<u>39</u>
15		<u>42</u>	<u>1469</u>	<u>42</u>
16		<u>45</u>	<u>1470</u>	<u>45</u>
17		<u>48</u>		<u>48</u>
18		<u>51</u>		<u>51</u>
19		<u>54</u>		<u>54</u>
20		<u>57</u>		<u>57</u>
		<u>60</u>		<u>60</u>

63	1463
66	1463
69	1464
72	1464
75	1465
78	1465
81	1465
84	1466
87	1466
90	1466



GAS FLOW REPORT

Nº 648

Date 5-16-77 Ticket 25684 Company Texas Oil & Gas
Well Name and No. #1 Findley Dst No. #3 Interval Tested 3405-3450
County Harper State Kansas Sec. 29 Twp. 32 S Rg. 8 W

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						
						gas to well in G/min
2:24	10 min	50 P.S.I.	1/2 choke			337,000 C.F.G.P.D.
2:29	15 min	80	1/2 choke			491,000 C.F.G.P.D.
2:34	20 min	70	3/4 choke			988,000 C.F.G.P.D.
2:39	25 min	56	3/4 choke			825,000 C.F.G.P.D.
2:44	30 min	62	3/4 choke			895,000 C.F.G.P.D.

SECOND FLOW						
Time	Time Gauge in Min.	P.S.I.	Choke			Description of Flow
3:49	5 min	90				1,220,000 C.F.G.P.D.
3:54	10 min	98				1,313,000 C.F.G.P.D.
3:59	15 min	97				1,301,000 C.F.G.P.D.
4:04	20 min	92				1,243,000 C.F.G.P.D.
4:09	25 min	88				1,197,000 C.F.G.P.D.
4:14	30 min	88				1,197,000 C.F.G.P.D.
4:19	35 min	87				1,185,000 C.F.G.P.D.
4:24	40 min	87				1,185,000 C.F.G.P.D.
4:29	45 min	86				1,174,000 C.F.G.P.D.

GAS BOTTLE

Serial No. 640 Date Bottle Filled 5-16-77 Date to be Invoiced 6-16-77
 There was a bottle filled on the DST # 2 Serial No. 622
 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 _____
 Authorized by W. Dahlberg



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

Company Texas Oil & Gas Corp. Lease & Well No. Findley #1
 Elevation 1444 Kelly Bushing Formation Harper Effective Pay - Ft. Ticket No. 25685
 Date 5-17-77 Sec. 29 Twp. 32S Range 8W County Harper State Kansas
 Test Approved by K.W. Dahlberg Western Representative Lonnie J. Cline

Formation Test No. 4 O.K. Misrun Interval Tested From 3704' to 3730' Total Depth 3730'
 Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 3699 Ft. Size 6 3/4 Bottom Packer Depth 3704 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 26 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3722 Ft. Clock No. 4763 Depth 3725 Ft. Clock No. 9726
 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 2:18 P M
 Tool Open I.F.P. From 2:19 P M. to 2:49 P M. - Hr. 30 Min. From (B) 263 P.S.I. To (C) 851 P.S.I.
 Tool Closed I.C.I.P. From 2:49 P M. to 3:49 P M. 1 Hr. - Min (D) 1603 P.S.I.
 Tool Open F.F.P. From 3:49 P M. to 4:29 P M. - Hr. 40 Min. From (E) 823 P.S.I. To (F) 1107 P.S.I.
 Tool Closed F.C.I.P. From 4:29 P M. to 5:29 P M. 1 Hr. - Min. (G) 1598 P.S.I.
 Initial Hydrostatic Pressure (A) 1917 P.S.I. Final Hydrostatic Pressure (H) 1895 P.S.I. Maximum Temp. 121

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 3 minutes. See attached sheet for gas measurements.

Did Well Flow Yes No Recovery Total Ft. 2510' of mud.

Reversed Out Yes No Mud Type premix Viscosity 47 Weight 9.4 Water Loss 20.0 cc. Chlorides 39,000 P.P.M.

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 XPLOR Drlg. Co. Length Drill Pipe? 3430 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 244 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 56 Ft.

Remarks: Chlorides check - 117,000 (top)
" " - 138,000 (middle)
" " - 132,000 (bottom)

WESTERN TESTING CO., INC.
Pressure Data

Date 5-17-77 Test Ticket No. 25685
 Recorder No. 2604 Capacity 4150 Location 3722 Ft.
 Clock No. 4763 Elevation 1444 Kelly Bushing Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1917</u> P.S.I.	Open Tool	<u>2:18</u> P.M.	
B First Initial Flow Pressure	<u>263</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>851</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>1603</u> P.S.I.	Second Flow Pressure	<u>40</u> Mins.	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>823</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>69</u> Mins.
F Second Final Flow Pressure	<u>1107</u> P.S.I.			
G Final Closed-in Pressure	<u>1598</u> P.S.I.			
H Final Hydrostatic Mud	<u>1895</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: 8 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 22 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 <u>0</u>	<u>263</u>	<u>0</u>	<u>851</u>	<u>0</u>	<u>823</u>	<u>0</u>	<u>1107</u>
P 2 <u>5</u>	<u>330</u>	<u>3</u>	<u>1304</u>	<u>5</u>	<u>942</u>	<u>3</u>	<u>1140</u>
P 3 <u>10</u>	<u>457</u>	<u>6</u>	<u>1231</u>	<u>10</u>	<u>1022</u>	<u>6</u>	<u>1473</u>
P 4 <u>15</u>	<u>575</u>	<u>9</u>	<u>1497</u>	<u>15</u>	<u>1087</u>	<u>9</u>	<u>1518</u>
P 5 <u>20</u>	<u>677</u>	<u>12</u>	<u>1522</u>	<u>20</u>	<u>1142</u>	<u>12</u>	<u>1537</u>
P 6 <u>25</u>	<u>763</u>	<u>15</u>	<u>1542</u>	<u>25</u>	<u>1193</u>	<u>15</u>	<u>1551</u>
P 7 <u>30</u>	<u>851</u>	<u>18</u>	<u>1554</u>	<u>30</u>	<u>1233</u>	<u>18</u>	<u>1560</u>
P 8 _____		<u>21</u>	<u>1562</u>	<u>35</u>	<u>1174</u>	<u>21</u>	<u>1565</u>
P 9 _____		<u>24</u>	<u>1569</u>	<u>40</u>	<u>1107</u>	<u>24</u>	<u>1571</u>
P10 _____		<u>27</u>	<u>1574</u>			<u>27</u>	<u>1575</u>
P11 _____		<u>30</u>	<u>1581</u>			<u>30</u>	<u>1578</u>
P12 _____		<u>33</u>	<u>1585</u>			<u>33</u>	<u>1580</u>
P13 _____		<u>36</u>	<u>1589</u>			<u>36</u>	<u>1582</u>
P14 _____		<u>39</u>	<u>1592</u>			<u>39</u>	<u>1585</u>
P15 _____		<u>42</u>	<u>1593</u>			<u>42</u>	<u>1588</u>
P16 _____		<u>45</u>	<u>1595</u>			<u>45</u>	<u>1589</u>
P17 _____		<u>48</u>	<u>1598</u>			<u>48</u>	<u>1591</u>
P18 _____		<u>51</u>	<u>1599</u>			<u>51</u>	<u>1591</u>
P19 _____		<u>54</u>	<u>1600</u>			<u>54</u>	<u>1592</u>
P20 _____		<u>57</u>	<u>1601</u>			<u>57</u>	<u>1592</u>
WTC - 4		<u>60</u>	<u>1602</u>			<u>60</u>	<u>1595</u>
		<u>63</u>	<u>1603</u>			<u>63</u>	<u>1598</u>
						<u>66</u>	<u>1598</u>
						<u>69</u>	<u>1598</u>

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 5-17-77 Ticket 25685 Company Texas Oil & Gas Corp.
Well Name and No. Findley #1 Dst No. 4 Interval Tested 3704' - 3730'
County Harper State Kansas Sec. 29 Twp. 32S Rg. 8W

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						
2:29 PM	10 min.	26 inches	of water		½" choke	31,900 C.F.P.D.
2:34 PM	15 min.	11 inches	of water		¼" choke	5,600 C.F.P.D.
2:39 PM	20 min.	34 inches	of water		¼" choke	9,790 C.F.P.D.
2:44 PM	25 min.	26 inches	of water		¼" choke	8,560 C.F.P.D.
2:49 PM	30 min.	46 inches	of water		¼" choke	11,400 C.F.P.D.

SECOND FLOW						
3:54 PM	5 min.	66 inches	of water		¼" choke	13,600 C.F.P.D.
3:59 PM	10 min.	2 PSIG			¼" choke	12,700 C.F.P.D.
4:04 PM	15 min.	2.5 PSIG			¼" choke	14,300 C.F.P.D.
4:09 PM	20 min.	3 PSIG			¼" choke	15,700 C.F.P.D.
4:14 PM	25 min.	5 PSIG			¼" choke	20,700 C.F.P.D.
4:19 PM	30 min.	4.5 PSIG			¼" choke	19,500 C.F.P.D.
4:20 PM	31 min.					Flowed mud
4:22 PM	32 min.					Flowed water
4:55 PM	36 min.					Heavy mist

GAS BOTTLE

Serial No. 639 Date Bottle Filled 5-17-77 Date to be Invoiced 5-17-77

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.

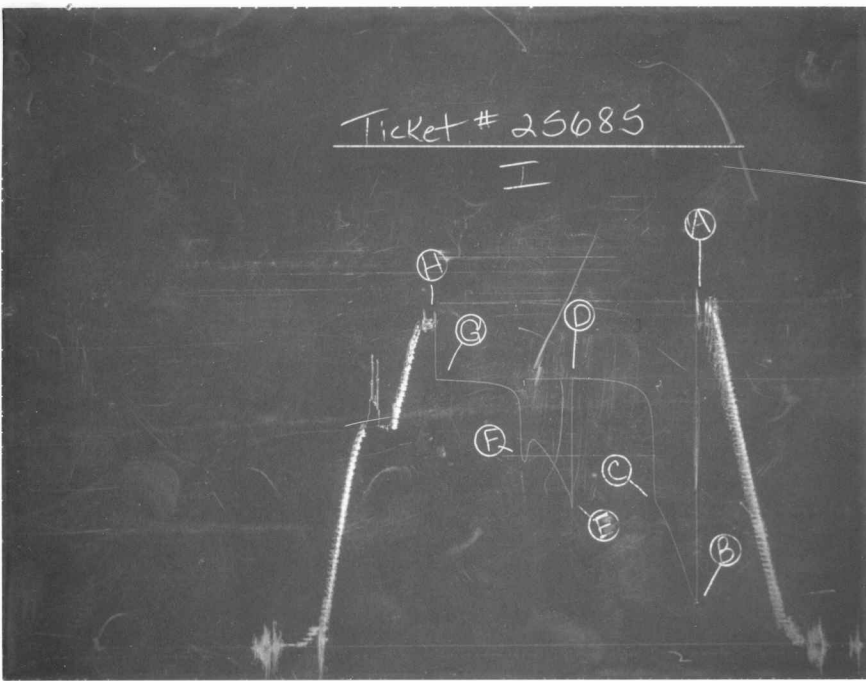
All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Texas Oil & Gas Corp.

Authorized by K.W. Dahlberg

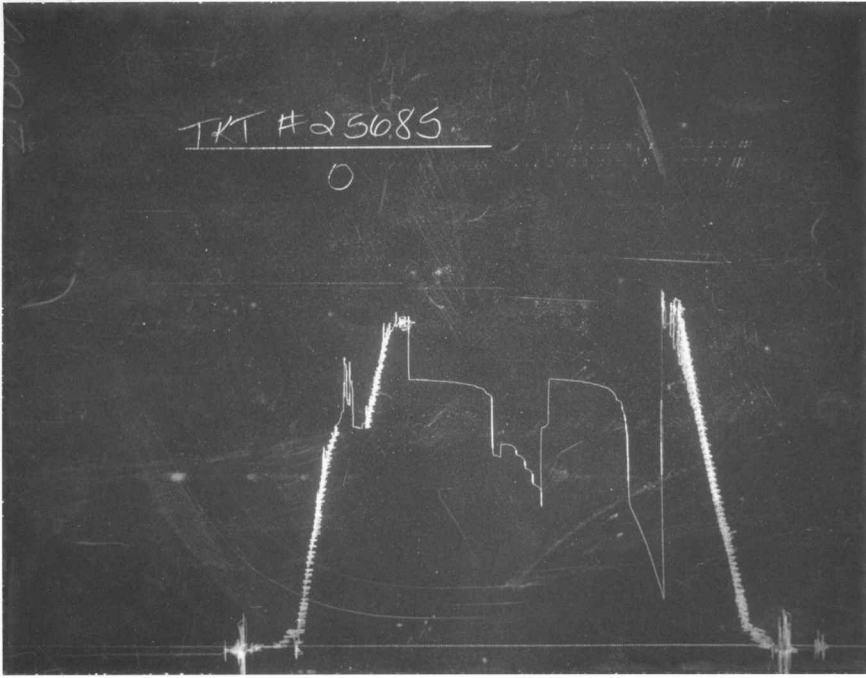
Ticket # 25685

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TKT #25085

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET 25685

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

Formation Stalnaker Elevation 1444 KB Eff. Pay _____ Ft.

District Pratt Date 5-17-77 Customer Order No. _____

COMPANY NAME Texas Oil & Gas Corp.

ADDRESS same as DST #1 200 W. Douglas Suite 300

LEASE AND WELL NO. #1 Findley COUNTY Harper STATE Kansas Sec. 29 Twp. 32S Rge. BW

Mail Inv. To same as DST #1 Co. Name _____ Address _____ No. Copies Requested _____

Mail Charts To _____ Address _____ No. Copies Requested _____

Formation Test No. #4 O.K. Misrun Interval Tested From 3704 to 3730 Total Depth 3730

Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 3699 Ft. Size 6 3/4 Bottom Packer Depth 3704 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 00 Tool Joint Size 4 1/2 FH Anchor Length 26 Ft. Size 5 1/2 00 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3722 Ft. Clock No. 4763 Inside _____ Outside _____

Top Make Kuster Cap. 4150 No. 2604 Bottom Make Kuster Cap. 4150 No. 2606 Inside _____ Outside _____

Below Straddle: Depth _____ Ft. Rec. No. _____ Clock No. _____ Inside _____ Outside _____

Time Set Packer 2:10 P.M.

Tool Open I.F.P. From 2:19 P.M. to 2:49 P.M. Hr. 30 Min. From (B) 223 263 P.S.I. To (C) 794 851 P.S.I.

Tool Closed I.C.I.P. From 2:49 P.M. to 3:49 P.M. Hr. 1 Min. (D) 1506 1603 P.S.I.

Tool Open F.F.P. From 3:49 P.M. to 4:29 P.M. Hr. 40 Min. From (E) 794 829 P.S.I. To (F) 1056 1107 P.S.I.

Tool Closed F.C.I.P. From 4:29 P.M. to 5:29 P.M. Hr. 1 Min. (G) 1516 1598 P.S.I.

Initial Hydrostatic Pressure (A) 1831 P.S.I. Final Hydrostatic Pressure (H) 1895 P.S.I. Maximum Temp. 121

INFORMATION

BLOW Strong flow with gas to sur. in 3 mins. see att. sheet for gas measurements

Did Well Flow Yes No Recovery Total Ft. flow mud in 30 mins on 2nd opening
flow wtr. 32 mins Hex. mist. 36 mins. 2510 ft. of mud

Reversed Out Yes No Mud Type Premix Viscosity 47 Weight 9.4 Water Loss 200 cc. Chlorides 39,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint yes Jars: Size 3 1/2 IF In. Make WTC Ser. No. 407

Dual Packers yes Did Packers Hold? yes Did Tool Plug? no Where? _____

DRILLING CONTRACTOR Xplor Drly. Co. Length Drill Pipe 3430 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 244 ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4 1/2 X 1 1/4 In. Length D.S.T. Tool 56 ft.

Remarks Chlorides check Top 117,000 Mid. 138,000 Bottom 132,000

INVOICE SECTION

Open Hole Test	\$ 380.00
Straddle Test	\$
Jars	\$ 175.00
Selective Zone	\$
Safety Joint	\$ 30.00
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$ 20.00
Total	\$ 605.00

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By J.W. Dahlberg
Signature of Customer or his Authorized Representative

Western Representative Louise J. Olin

Operator's Time I blank you Hrs.



GAS FLOW REPORT

Nº 649

Date 5-17-77 Ticket 25605 Company Texas Oil & Gas
Well Name and No. #1 Findley Dst No. #4 Interval Tested 3704-3730
County Harper State Kansas Sec. 29 Twp. 32S Rg. 8W

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
gas to sur. in 3 mins. $\frac{1}{2}$ " orifice on 1st reading $\frac{1}{4}$ " orifice 2nd reading-on						
2:29	10 mins	26	inches of water		$\frac{1}{2}$ " choke	31,900 C.F.G.P.D.
2:34	15 mins	11			$\frac{1}{4}$ "	5,600 C.F.G.P.D.
2:39	20 mins	34			$\frac{1}{4}$ "	9,790 C.F.G.P.D.
2:44	25 mins	26				8,560 C.F.G.P.D.
2:49	30 mins	46				11,400 C.F.G.P.D.

$\frac{1}{4}$ " orifice SECOND FLOW						
3:54	5 mins	66	" of water		$\frac{1}{4}$ " choke	13,600 C.F.P.D.
3:59	10 mins	2	PSIG			12,700
4:04	15 mins	2.5				14,300
4:09	20 mins	3				15,700
4:14	25 mins	5				20,700
4:19	30 mins	4.5				19,500
4:20	31 mins					flowed mud
4:27	32 mins					flowed water
4:55	36 mins					Heavy mist

GAS BOTTLE

Serial No. 639 Date Bottle Filled 5-17-77 Date to be Invoiced 6-17-77

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
Authorized by F.W. Dahlberg

WESTERN TESTING CO., INC.
Pressure Data

Date 5-17-77 Test Ticket No. 25685
 Recorder No. 2604 Capacity 4150 Location 3722 Ft.
 Clock No. 4763 Elevation 1444 Kelly Bushing Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1917</u> P.S.I.	Open Tool	<u>2:18 P</u> M	
B. First Initial Flow Pressure	<u>263</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C. First Final Flow Pressure	<u>851</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	60 <u>63</u> Mins.
D. Initial Closed-in Pressure	<u>1603</u> P.S.I.	Second Flow Pressure	<u>40</u> Mins.	<u>40</u> Mins.
E. Second Initial Flow Pressure	<u>823</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>69</u> Mins.
F. Second Final Flow Pressure	<u>1107</u> P.S.I.			
G. Final Closed-in Pressure	<u>1598</u> P.S.I.			
H. Final Hydrostatic Mud	<u>1895</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>8</u> Inc.	Breakdown:	<u>22</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>263</u>	<u>0</u>	<u>851</u>	<u>0</u>	<u>823</u>	<u>0</u>	<u>1107</u>
P 2 <u>5</u>	<u>330</u>	<u>3</u>	<u>1304</u>	<u>5</u>	<u>942</u>	<u>3</u>	<u>1140</u>
P 3 <u>10</u>	<u>457</u>	<u>6</u>	<u>1231</u>	<u>10</u>	<u>1022</u>	<u>6</u>	<u>1473</u>
P 4 <u>15</u>	<u>575</u>	<u>9</u>	<u>1497</u>	<u>15</u>	<u>1087</u>	<u>9</u>	<u>1518</u>
P 5 <u>20</u>	<u>677</u>	<u>12</u>	<u>1522</u>	<u>20</u>	<u>1142</u>	<u>12</u>	<u>1537</u>
P 6 <u>25</u>	<u>763</u>	<u>15</u>	<u>1542</u>	<u>25</u>	<u>1193</u>	<u>15</u>	<u>1551</u>
P 7 <u>30</u>	<u>851</u>	<u>18</u>	<u>1554</u>	<u>30</u>	<u>1233</u>	<u>18</u>	<u>1560</u>
P 8 <u>35</u>		<u>21</u>	<u>1562</u>	<u>35</u>	<u>1174</u>	<u>21</u>	<u>1565</u>
P 9 <u>40</u>		<u>24</u>	<u>1569</u>	<u>40</u>	<u>1107</u>	<u>24</u>	<u>1571</u>
P 10 <u>45</u>		<u>27</u>	<u>1574</u>	45		<u>27</u>	<u>1575</u>
P 11 <u>50</u>		<u>30</u>	<u>1581</u>	50		<u>30</u>	<u>1578</u>
P 12 <u>55</u>		<u>33</u>	<u>1585</u>	55		<u>33</u>	<u>1580</u>
P 13 <u>60</u>		<u>36</u>	<u>1589</u>	60		<u>36</u>	<u>1582</u>
P 14		<u>39</u>	<u>1592</u>	65		<u>39</u>	<u>1585</u>
P 15		<u>42</u>	<u>1593</u>	70		<u>42</u>	<u>1588</u>
P 16		<u>45</u>	<u>1595</u>	75		<u>45</u>	<u>1589</u>
P 17		<u>48</u>	<u>1598</u>	80		<u>48</u>	<u>1591</u>
P 18		<u>51</u>	<u>1599</u>	85		<u>51</u>	<u>1591</u>
P 19		<u>54</u>	1600 <u>1600</u>	90		<u>54</u>	<u>1592</u>
P 20		<u>57</u>	1601 <u>1601</u>			<u>57</u>	<u>1592</u>
		<u>60</u>	1602 <u>1602</u>			<u>60</u>	<u>1595</u>
		<u>63</u>	1603 <u>1603</u>			<u>63</u>	<u>1598</u>
		<u>66</u>				<u>66</u>	<u>1598</u>
		<u>69</u>				<u>69</u>	<u>1598</u>