



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

Company Texas Oil & Gas Corp. Lease & Well No. Wohlschlegel #1
 Elevation 1499 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 22344
 Date 3-5-77 Sec. 7 Twp. 31S Range 6W County Harper State Kansas
 Test Approved by K.W. Dahlberg Western Representative Carl Schouten

Formation Test No. 3 O.K. Misrun Interval Tested From 4316' to 4334' Total Depth 4334'
 Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 4311 Ft. Size 6 3/4 Bottom Packer Depth 4316 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 18 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4320 Ft. Clock No. 6799 Depth 4323 Ft. Clock No. 6894
 Top Make Kuster Cap. 4000 No. 3351 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 8:34 A M
 Tool Open I.F.P. From 8:36 A.M. to 9:06 A.M. - Hr. 30 Min. From (B) 74 P.S.I. To (C) 193 P.S.I.
 Tool Closed I.C.I.P. From 9:06 M. to 10:06 A.M. 1 Hr. - Min (D) 1506 P.S.I.
 Tool Open F.F.P. From 10:06 A.M. to 10:51 A.M. - Hr. 45 Min. From (E) 247 P.S.I. To (F) 345 P.S.I.
 Tool Closed F.C.I.P. From 10:51 M. to 12:21 P.M. 1 Hr. 30 Min. (G) 1500 P.S.I.
 Initial Hydrostatic Pressure (A) 2111 P.S.I. Final Hydrostatic Pressure (H) 2087 P.S.I. Maximum Temp. 132

INFORMATION

BLOW Strong blow building slightly on initial flow period. Fair blow building to a strong blow in 10 minutes on final flow period. Gas to surface in 55 minutes. See attached sheet.
 Did Well Flow Yes No Recovery Total Ft. 821' gas cut drilling mud with some salt water.

Reversed Out Yes No Mud Type starch Viscosity 40 Weight 9.1 Water Loss 10.0 cc. Chlorides 9,800 P.P.M.
 EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. 410
 Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -
 DRILLING CONTRACTOR XPLOR Drlg. Co. Length Drill Pipe? 3725 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 XH In.
 Length Weight Pipe Ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 189 Ft. I.D. Drill Collars 3 In.
 Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 47 Ft.

Remarks: Initial opening had to turn four turns to close, had to turn one more revolution to close all the way.
 Chlorides check - Top - 37,000 P.P.M.
 Chlorides check - Middle - 105,000 P.P.M.
 Chlorides check - Bottom - 105,000 P.P.M.

WESTERN TESTING CO., INC.
Pressure Data

Date 3-5-77 Test Ticket No. 22344
 Recorder No. 3351 Capacity 4000 Location 4320 Ft.
 Clock No. 6799 Elevation 1499 Kelly Bushing Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2111</u> P.S.I.	Open Tool	<u>8:34</u> A M	
B First Initial Flow Pressure	<u>74</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>193</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1506</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>247</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>87</u> Mins.
F Second Final Flow Pressure	<u>345</u> P.S.I.			
G Final Closed-in Pressure	<u>1500</u> P.S.I.			
H Final Hydrostatic Mud	<u>2087</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: 29 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>74</u>	<u>0</u>	<u>193</u>	<u>0</u>	<u>247</u>	<u>0</u>	<u>345</u>
P 2 <u>5</u>	<u>75</u>	<u>3</u>	<u>1028</u>	<u>5</u>	<u>237</u>	<u>3</u>	<u>1115</u>
P 3 <u>10</u>	<u>110</u>	<u>6</u>	<u>1141</u>	<u>10</u>	<u>249</u>	<u>6</u>	<u>1244</u>
P 4 <u>15</u>	<u>133</u>	<u>9</u>	<u>1308</u>	<u>15</u>	<u>263</u>	<u>9</u>	<u>1304</u>
P 5 <u>20</u>	<u>157</u>	<u>12</u>	<u>1353</u>	<u>20</u>	<u>277</u>	<u>12</u>	<u>1343</u>
P 6 <u>25</u>	<u>175</u>	<u>15</u>	<u>1383</u>	<u>25</u>	<u>291</u>	<u>15</u>	<u>1365</u>
P 7 <u>30</u>	<u>193</u>	<u>18</u>	<u>1409</u>	<u>30</u>	<u>305</u>	<u>18</u>	<u>1385</u>
P 8		<u>21</u>	<u>1427</u>	<u>35</u>	<u>317</u>	<u>21</u>	<u>1399</u>
P 9		<u>24</u>	<u>1440</u>	<u>40</u>	<u>331</u>	<u>24</u>	<u>1411</u>
P10		<u>27</u>	<u>1448</u>	<u>45</u>	<u>345</u>	<u>27</u>	<u>1423</u>
P11		<u>30</u>	<u>1460</u>			<u>30</u>	<u>1431</u>
P12		<u>33</u>	<u>1468</u>			<u>33</u>	<u>1438</u>
P13		<u>36</u>	<u>1474</u>			<u>36</u>	<u>1448</u>
P14		<u>39</u>	<u>1480</u>			<u>39</u>	<u>1454</u>
P15		<u>42</u>	<u>1484</u>			<u>42</u>	<u>1460</u>
P16		<u>45</u>	<u>1490</u>			<u>45</u>	<u>1464</u>
P17		<u>48</u>	<u>1494</u>			<u>48</u>	<u>1468</u>
P18		<u>51</u>	<u>1498</u>			<u>51</u>	<u>1470</u>
P19		<u>54</u>	<u>1500</u>			<u>54</u>	<u>1474</u>
P20		<u>57</u>	<u>1504</u>			<u>57</u>	<u>1476</u>
		<u>60</u>	<u>1506</u>			<u>60</u>	<u>1478</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 3-5-77 Test Ticket No. 22344
 Recorder No. 3351 Capacity 4000 Location 4320 Ft.
 Clock No. 6799 Elevation 1499 Kelly Bushing Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2111</u>	P.S.I.	<u>8:34</u>	<u>A M</u>
B First Initial Flow Pressure	<u>74</u>	P.S.I.	<u>30</u>	<u>Mins. 30</u>
C First Final Flow Pressure	<u>193</u>	P.S.I.	<u>60</u>	<u>Mins. 60</u>
D Initial Closed-in Pressure	<u>1506</u>	P.S.I.	<u>45</u>	<u>Mins. 45</u>
E Second Initial Flow Pressure	<u>247</u>	P.S.I.	<u>90</u>	<u>Mins. 87</u>
F Second Final Flow Pressure	<u>345</u>	P.S.I.		
G Final Closed-in Pressure	<u>1500</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2087</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: <u>20</u> 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>29</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1				<u>63</u>	<u>1482</u>
P 2				<u>66</u>	<u>1486</u>
P 3				<u>69</u>	<u>1488</u>
P 4				<u>72</u>	<u>1492</u>
P 5				<u>75</u>	<u>1493</u>
P 6				<u>78</u>	<u>1495</u>
P 7				<u>81</u>	<u>1496</u>
P 8				<u>84</u>	<u>1498</u>
P 9				<u>87</u>	<u>1500</u>
P10					
P11					
P12					
P13					
P14					
P15					
P16					
P17					
P18					
P19					
P20					



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GAS FLOW REPORT

Date 3-5-77 Ticket 22344 Company Texas Oil & Gas Corp.
 Well Name and No. Wohlschlegel #1 Dst No. 3 Interval Tested 4316' - 4334'
 County Harper State Kansas Sec. 7 Twp. 31S Rg. 6W

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						
						No Gas to surface in 1st opening

Gas to surface in <u>55</u> minutes.						
Time	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
10:31AM	25 min.	4 inches	of water	¼"	choke	3,370 C.F.P.D.
10:41AM	35 min.	4 inches	of water	¼"	choke	3,370 C.F.P.D.
10:51AM	45 min.	4 inches	of water	¼"	choke	3,370 C.F.P.D.

GAS BOTTLE

Serial No. _____ Date Bottle Filled 3-5-77 Date to be Invoiced 3-5-77

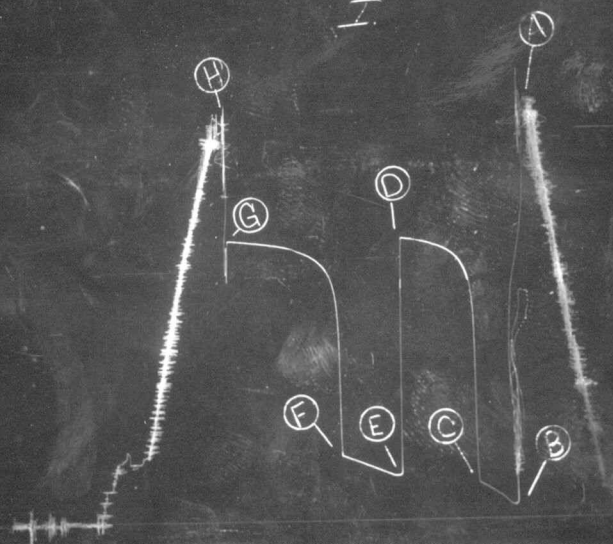
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By 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

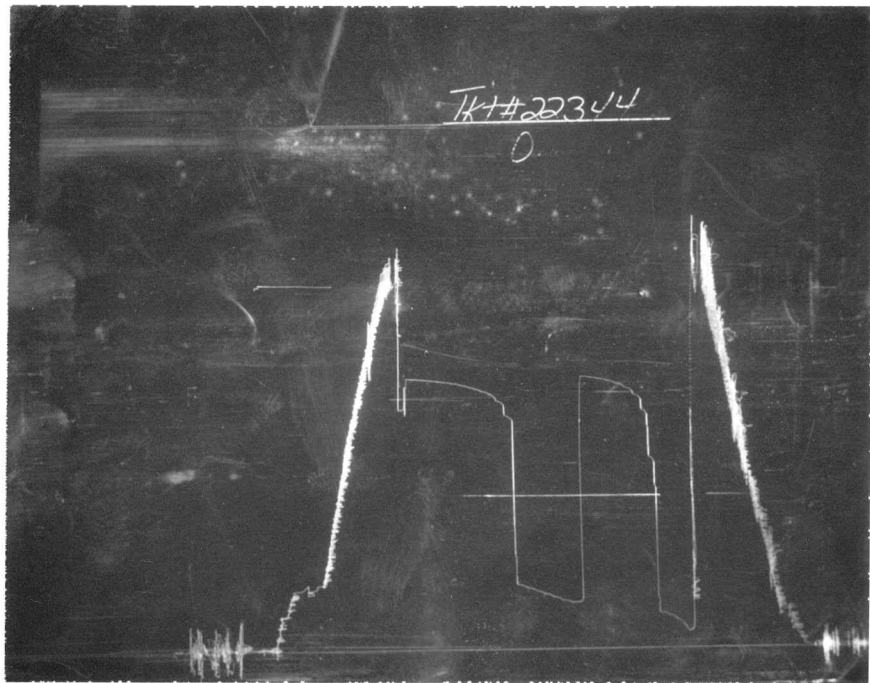
Tk#22344

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

Company Texas Oil & Gas Corp. Lease & Well No. Wohlschlegel #1
Elevation 1499 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 22343
Date 3-4-77 Sec. 7 Twp. 31S Range 6W County Harper State Kansas
Test Approved by K.W. Dahlberg Western Representative Carl Schouten
Formation Test No. 2 O.K. Misrun Interval Tested From 4290' to 4316' Total Depth 4316'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 4285 Ft. Size 6 3/4 Bottom Packer Depth 4290 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 4302 Ft. Clock No. 6799 Depth 4305 Ft. Clock No. 6894
Top Make Kuster Cap. 4000 No. 3351 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 2:58 P M
Tool Open I.F.P. From 3:00 P.M. to 3:40 P.M. - Hr. 40 Min. From (B) 90 P.S.I. To (C) 100 P.S.I.
Tool Closed I.C.I.P. From 3:40 P.M. to 5:00 P.M. - Hr. 20 Min (D) 1542 P.S.I.
Tool Open F.F.P. From 5:00 P.M. to 5:45 P.M. - Hr. 45 Min. From (E) 120 P.S.I. To (F) 106 P.S.I.
Tool Closed F.C.I.P. From 5:45 P.M. to 7:15 P.M. 1 Hr. 30 Min. (G) 1523 P.S.I.
Initial Hydrostatic Pressure (A) 2093 P.S.I. Final Hydrostatic Pressure (H) 2067 P.S.I. Maximum Temp. 133

INFORMATION

BLOW Strong blow to bottom of bucket throughout test. Gas to surface in 10 minutes. See Attached sheet for gas measurements.
Did Well Flow Yes No Recovery Total Ft. 251' gas cut drilling mud, last 62' was thin drilling mud, Mud was gas cut.
Reversed Out Yes No Mud Type dri spa viscosity 39 Weight 9.0 Water Loss 9.2 cc. Chlorides 9,800 P.P.M.
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. 410
Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -
DRILLING CONTRACTOR XPLOR Drlg. Co. Length Drill Pipe? 3707 Ft. I.D. Drill Pipe 3.8 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 189 Ft. I.D. Drill Collars 3 In.
Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 55 Ft.
Remarks: Chlorides Check Bottom - 27,000 P.P.M.
Middle - 26,000 P.P.M.
Top - 12,000 P.P.M.

WESTERN TESTING CO., INC.
Pressure Data

Date 3-4-77 Test Ticket No. 22343
 Recorder No. 3351 Capacity 4000 Location 4302 Ft.
 Clock No. 6799 Elevation 1499 Kelly Bushing Well Temperature 133 °F

Point	Pressure		Open Tool	Time Given	Time Computed
		P.S.I.			
A Initial Hydrostatic Mud	2093	P.S.I.		2:58 A M	
B First Initial Flow Pressure	90	P.S.I.	First Flow Pressure	40 Mins.	40 Mins.
C First Final Flow Pressure	100	P.S.I.	Initial Closed-in Pressure	80 Mins.	81 Mins.
D Initial Closed-in Pressure	1542	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	120	P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	106	P.S.I.			
G Final Closed-in Pressure	1523	P.S.I.			
H Final Hydrostatic Mud	2067	P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	8		27		9		30	
	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.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 0	90	0	100	0	120	0	106	
P 2 5	90	3	733	5	96	3	761	
P 3 10	86	6	1012	10	90	6	1095	
P 4 15	88	9	1204	15	94	9	1266	
P 5 20	90	12	1327	20	98	12	1335	
P 6 25	94	15	1392	25	100	15	1375	
P 7 30	98	18	1435	30	102	18	1404	
P 8 35	99	21	1558	35	104	21	1425	
P 9 40	100	24	1476	40	105	24	1442	
P10		27	1496	45	106	27	1452	
P11		30	1500			30	1462	
P12		33	1508			33	1470	
P13		36	1514			36	1476	
P14		39	1518			39	1488	
P15		42	1522			42	1490	
P16		45	1524			45	1492	
P17		48	1526			48	1494	
P18		51	1530			51	1498	
P19		54	1532			54	1502	
P20		57	1534			57	1504	
		60	1535			60	1508	

WESTERN TESTING CO., INC.

Pressure Data

Date 3-4-77

Test Ticket No. 22343

Recorder No. 3351

Capacity 4000

Location 4302

Clock No. 6799

Elevation 1499 Kelly Bushing

Well Temperature 133 °F

Point	Pressure		
A Initial Hydrostatic Mud	<u>2093</u>	P.S.I.	Open Tool
B First Initial Flow Pressure	<u>90</u>	P.S.I.	First Flow Pressure
C First Final Flow Pressure	<u>100</u>	P.S.I.	Initial Closed-in Pressure
D Initial Closed-in Pressure	<u>1542</u>	P.S.I.	Second Flow Pressure
E Second Initial Flow Pressure	<u>120</u>	P.S.I.	Final Closed-in Pressure
F Second Final Flow Pressure	<u>106</u>	P.S.I.	
G Final Closed-in Pressure	<u>1523</u>	P.S.I.	
H Final Hydrostatic Mud	<u>2067</u>	P.S.I.	

Time Given	Time Computed
<u>2:58 A.M.</u>	
<u>40</u> Mins.	<u>40</u> Mins.
<u>80</u> Mins.	<u>81</u> Mins.
<u>45</u> Mins.	<u>45</u> Mins.
<u>90</u> Mins.	<u>90</u> Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 8 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 27 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>63</u>	<u>1536</u>			<u>63</u>	<u>1510</u>
P 2		<u>66</u>	<u>1537</u>			<u>66</u>	<u>1511</u>
P 3		<u>69</u>	<u>1538</u>			<u>69</u>	<u>1513</u>
P 4		<u>72</u>	<u>1539</u>			<u>72</u>	<u>1514</u>
P 5		<u>75</u>	<u>1540</u>			<u>75</u>	<u>1516</u>
P 6		<u>78</u>	<u>1541</u>			<u>78</u>	<u>1517</u>
P 7		<u>81</u>	<u>1542</u>			<u>81</u>	<u>1519</u>
P 8						<u>84</u>	<u>1520</u>
P 9						<u>87</u>	<u>1521</u>
P10						<u>90</u>	<u>1523</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



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GAS FLOW REPORT

Date 3-4-77 Ticket 22343 Company Texas Oil & Gas Corp.
 Well Name and No. Wohlschlegel #1 Dst No. 2 Interval Tested 4290' - 4316'
 County Harper State Kansas Sec. 7 Twp. 31S Rg. 6W

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 surface in 10 minutes, at 3:10 PM PRE FLOW Tool opened at 3:00						
3:20 PM	20 min.	48 inches	of water	3/4" choke		98,400 c.f.p.d.
3:30 PM	30 min.	66 inches	of water	3/4" choke		115,000 c.f.p.d.
3:40 PM	40 min.	80 inches	of water	3/4" choke		127,000 c.f.p.d.

SECOND FLOW

5:10 PM	10 min.	50 inches	of water	1" choke		183,000 c.f.p.d.
5:20 PM	20 min.	44 inches	of water	1" choke		171,000 c.f.p.d.
5:30 PM	30 min.	42 inches	of water	1" choke		167,000 c.f.p.d.
5:40 PM	40 min.	42 inches	of water	1" choke		167,000 c.f.p.d.
5:45 PM	45 min.	42 inches	of water	1" choke		167,000 c.f.p.d.

GAS BOTTLE

Serial No. 620 Date Bottle Filled 3-4-77 Date to be Invoiced 3-4-77

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.

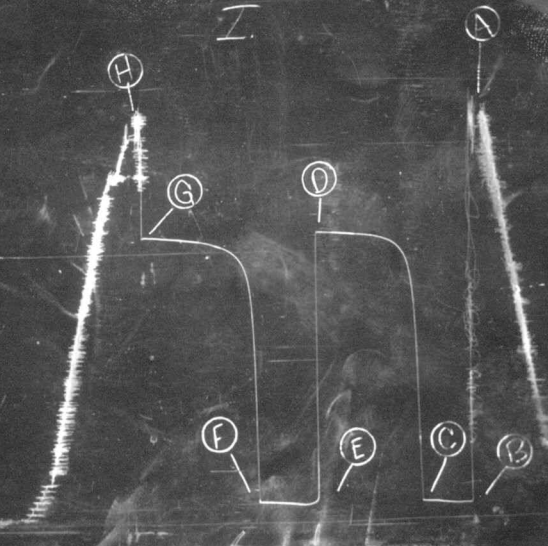
All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Texas Oil & Gas Corp.

Authorized by K.W. Dahlberg

TK#22343

I.



TKT#22343

0.

