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

Company Texas Oil & Gas Corp. Lease & Well No. Bohrer #2

Elevation 1640 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 23326

Date 10-20-77 Sec. 32 Twp. 29S Range 9W County Kingman State Kansas

Test Approved by K. W. Dahlberg Western Representative Joe N. Lusk

Formation Test No. 1 O.K. X Misrun - Interval Tested From 4239' to 4254' Total Depth 4254'

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 4234 Ft. Size 6 3/4 Bottom Packer Depth 4239 Ft. Size 6 3/4

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

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 15 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4246 Ft. Clock No. 10168 Depth 4249 Ft. Clock No. 6894

Top Make Kuster Cap. 4150 No. 969 ~~Inside~~ Outside Bottom Make Kuster Cap. 4400 No. 2603 ~~Inside~~ Outside

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

Time Set Packer 9:23A M

Tool Open I.F.P. From 9:25A M. to 9:55A M. - Hr. 30 Min. From (B) 90 P.S.I. To (C) 65 P.S.I.

Tool Closed I.C.I.P. From 9:55 M. to 10:55 M. - Hr. 60 Min (D) 1403 P.S.I.

Tool Open F.F.P. From 10:55 M. to 11:40 M. - Hr. 45 Min. From (E) 92 P.S.I. To (F) 61 P.S.I.

Tool Closed F.C.I.P. From 11:40 M. to 1:10 M. - Hr. 90 Min. (G) 1389 P.S.I.

Initial Hydrostatic Pressure (A) 2160 P.S.I. Final Hydrostatic Pressure (H) 2146 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Strong blow on initial flow period. Gas to surface in 15 minutes. See attached sheet for gas measurements.

Did Well Flow - Yes X No Recovery Total Ft. 155' total recovery, 30' mud, 62' watery mud, 62' muddy wat

Reversed Out - Yes X No Mud Type Premix Viscosity 45 Weight 9.3 Water Loss 10.5 cc. Chlorides 29,000 p.p.m.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size 4½OD In. Make W.T.C. Ser. No. -

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

DRILLING CONTRACTOR H-30 Drilling Rig #3 Length Drill Pipe? 3958 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 249 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4"H-90 In. Length D.S.T. Tool 47 Ft.

Remarks: Clock 6894 in recorder 2603 stopped. Chlorides checked: Top 30,000 p.p.m.
Middle 35,000 p.p.m.
Bottom 50,000 p.p.m.

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GAS FLOW REPORT

Date 10-20-77 Ticket 23326 Company Texas Oil & Gas Corp.

Well Name and No. Bohrer #2 Dst No. 1 Interval Tested 4239' - 4254'

County Kingman State Kansas Sec. 33 Twp. 29S Rg. 9W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
9:45AM	20 min.	30" of water		3/4" orifice		77,800 C.F.P.D.
9:50AM	25 min.	34" of water		3/4" orifice		82,800 C.F.P.D.
9:55AM	30 min.	13" of water		1" orifice		93,600 C.F.P.D.
Gas to surface in 15 minutes.						
SECOND FLOW						
11:00AM	5 min.	20" of water		1¼" orifice		196,000 C.F.P.D.
11:05AM	10 min.	10" of water		1¼" orifice		138,000 C.F.P.D.
11:10AM	15 min.	18" of water		1" orifice		110,000 C.F.P.D.
11:15AM	20 min.	18" of water		1" orifice		110,000 C.F.P.D.
11:20AM	25 min.	18" of water		1" orifice		110,000 C.F.P.D.
11:25AM	30 min.	18" of water		1" orifice		110,000 C.F.P.D.
11:30AM	35 min.	18" of water		1" orifice		110,000 C.F.P.D.
11:35AM	40 min.	18" of water		1" orifice		110,000 C.F.P.D.
11:40AM	45 min.	18" of water		1" orifice		110,000 C.F.P.D.

GAS BOTTLE

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

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

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

COMPANY'S NAME Texas Oil & Gas Corp.

Authorized by K. W. Dahlberg

WESTERN TESTING CO., INC.

Pressure Data

Date 10-20-77 Test Ticket No. 23326

Recorder No. 969 Capacity 4150 Location 4246 Ft.

Clock No. 10168 Elevation 1640 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2160 P.S.I.	Open Tool	9:23A M	
B First Initial Flow Pressure	90 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	65 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1403 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	92 P.S.I.	Final Closed-in Pressure	90 Mins.	87 Mins.
F Second Final Flow Pressure	61 P.S.I.			
G Final Closed-in Pressure	1389 P.S.I.			
H Final Hydrostatic Mud	2146 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	90
P 2 5	76
P 3 10	72
P 4 15	67
P 5 20	65
P 6 25	65
P 7 30	65
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	65
3	820
6	1137
9	1240
12	1284
15	1310
18	1331
21	1346
24	1356
27	1364
30	1370
33	1378
36	1383
39	1387
42	1391
45	1393
48	1395
51	1397
54	1399
57	1401
60	1403

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

Point Minutes	Press.
0	92
5	57
10	53
15	55
20	57
25	59
30	61
35	61
40	61
45	61

Final Shut-In
Breakdown: 29 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	61
3	410
6	871
9	1129
12	1186
15	1226
18	1253
21	1278
24	1294
27	1308
30	1317
33	1324
36	1333
39	1337
42	1343
45	1350
48	1354
51	1358
54	1362
57	1366

Cont. on next page

WESTERN TESTING CO., INC.
Pressure Data

Date 10-20-77 Test Ticket No. 23326

Recorder No. 969 Capacity 4150 Location 4246 Ft.

Clock No. 10168 Elevation 1640 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2160 P.S.I.	Open Tool	9:23A M	
B First Initial Flow Pressure	90 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	65 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1403 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	92 P.S.I.	Final Closed-in Pressure	90 Mins.	87 Mins.
F Second Final Flow Pressure	61 P.S.I.			
G Final Closed-in Pressure	1389 P.S.I.			
H Final Hydrostatic Mud	2146 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						60	1370
P 2						63	1372
P 3						66	1374
P 4						69	1376
P 5						72	1381
P 6						75	1383
P 7						78	1385
P 8						81	1387
P 9						84	1388
P10						87	1389
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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TK# 23326

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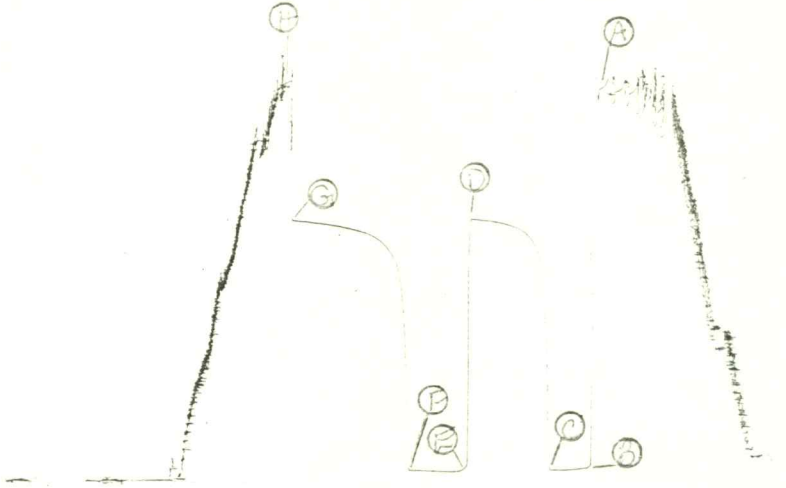

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TK# 23326

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WESTERN TESTERS

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

Company Texas Oil & Gas Corp. Lease & Well No. Borher #2

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 21680

Date 10-21-77 Sec. 33 Twp. 29S Range 6W County Kingman State Kansas

Test Approved by Ronald Idom Western Representative Bill Hager

Formation Test No. 2 O.K. X Misrun - Interval Tested From 4258' to 4330' Total Depth 4330'

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

Top Packer Depth 4253 Ft. Size 6 3/4 Bottom Packer Depth 4258 Ft. Size 6 3/4

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

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 72 Ft. Size 41' 5½OD 31' 6¼D C Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4284 Ft. Clock No. 6892 Depth 4287 Ft. Clock No. 6799

Top Make Kuster Cap. 4150 No. 2607 ~~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 7:13 M

Tool Open I.F.P. From 7:15 M. to 7:38 M. - Hr. 23 Min. From (B) 150 P.S.I. To (C) 115 P.S.I.

Tool Closed I.C.I.P. From 7:38 M. to 8:18 M. - Hr. 40 Min (D) 1004 P.S.I.

Tool Open F.F.P. From 8:18 M. to 8:48 M. - Hr. 30 Min. From (E) 194 P.S.I. To (F) 153 P.S.I.

Tool Closed F.C.I.P. From 8:48 M. to 9:48 M. - Hr. 60 Min. (G) 1067 P.S.I.

Initial Hydrostatic Pressure (A) 2192 P.S.I. Final Hydrostatic Pressure (H) 2192 P.S.I. Maximum Temp. 125

INFORMATION

BLOW Very weak blow throughout test.

Did Well Flow - Yes X No Recovery Total Ft. 190' muddy water with oil spots.

Reversed Out - Yes X No Mud Type Premix Viscosity 52 Weight 9.0 Water Loss 14 cc. Chlorides 32,000 p.p.m.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4½OD In. Make W.T.C. Ser. No. 408

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

DRILLING CONTRACTOR H-30 Drilling Length Drill Pipe? 3980 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 248 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4"H-90 In. Length D.S.T. Tool 102 Ft.

Remarks: Chlorides checked: Top 24,000 p.p.m; Middle 38,000 p.p.m.; Bottom 38,000 p.p.m.

WESTERN TESTING CO., INC.
Pressure Data

Date 10-21-77 Test Ticket No. 21680

Recorder No. 2607 Capacity 4150 Location 4284 Ft.

Clock No. 6892 Elevation - Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2192 P.S.I.	Open Tool	7:13 M	
B First Initial Flow Pressure	150 P.S.I.	First Flow Pressure	23 Mins.	23 Mins.
C First Final Flow Pressure	115 P.S.I.	Initial Closed-in Pressure	40 Mins.	33 Mins.
D Initial Closed-in Pressure	1004 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	194 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	153 P.S.I.			
G Final Closed-in Pressure	1067 P.S.I.			
H Final Hydrostatic Mud	2192 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 4 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	150
P 2 5	121
P 3 10	115
P 4 15	115
P 5 20	115
P 6 23	115
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 11 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	115
3	133
6	243
9	426
12	567
15	665
18	749
21	819
24	875
27	924
30	968
33	1004

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

Point Minutes	Press.
0	194
5	162
10	154
15	153
20	153
25	153
30	153

Final Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	153
3	175
6	239
9	354
12	462
15	554
18	630
21	686
24	840
27	781
30	820
33	854
36	887
39	915
42	941
45	970
48	991
51	1013
54	1033
57	1051
60	1067

2609

TK# 21680

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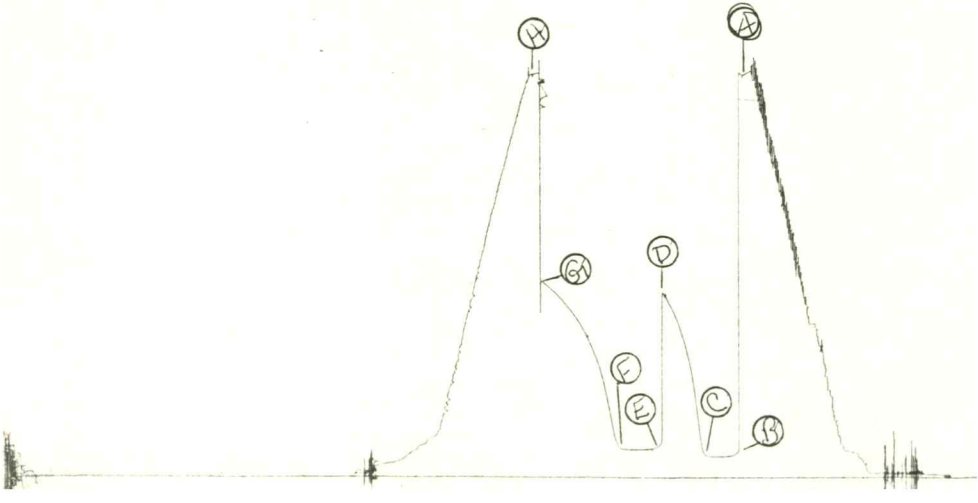

TKt # 21680

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