WESTERN TESTERS INC.

P. O. Box 1599
Wichita, Kansas 67201

Company Texas Energies, Inc. Lease & Well No. McBride #1

Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 21640

Date 9-2-76 Sec. 34 Twp. 27S Range 14W County Pratt State Kansas

Test Approved by James F. Dilts Western Representative Bill Hager

Formation Test No. 1 O.K. - Misrun X Interval Tested From 3910' to 3949' Total Depth 3949'

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

Top Packer Depth 3905 Ft. Size 6 3/4 Bottom Packer Depth 3910 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 39 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3939 Ft. Clock No. 6799 Depth 3942 Ft. Clock No. 8474

Top Make Kuster Cap. 4150 No. 2606 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 2:41 A M

Tool Open I.F.P. From 2:45A M. to 3:30 AM. - Hr. 45 Min. From (B) - P.S.I. To (C) - P.S.I.

Tool Closed I.C.I.P. From 3:30AM. to 4:30 AM. 1 Hr. - Min (D) - P.S.I.

Tool Open F.F.P. From 4:30AM. to 5:30 AM. 1 Hr. - Min. From (E) - P.S.I. To (F) - P.S.I.

Tool Closed F.C.I.P. From 5:30M. to 6:30 AM. 1 Hr. - Min. (G) - P.S.I.

Initial Hydrostatic Pressure (A) - P.S.I. Final Hydrostatic Pressure (H) - P.S.I. Maximum Temp. 117

INFORMATION

BLOW Strong blow throughout test. Misrun

Did Well Flow - Yes X No Recovery Total Ft. 1500' total recovery - 40' oil & gas cut mud, 950' free oil, 510' salt water.

Reversed Out - Yes - No Mud Type starch Viscosity 49 Weight 9.4 Water Loss 7.4 cc. Chlorides 30,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

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

DRILLING CONTRACTOR Gabbert & Jones Length Drill Pipe? 3702 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 183 Ft. I.D. Drill Collars 2¼ID In.

Tool Joint Size 4½H90 In. Length D.S.T. Tool 61 Ft.

Remarks: Chlorides checked, 150,000 P.P.M.

No charts in recorders.

Phone 316 262-5861
316 838-0601

WESTERN TESTERS

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 661

Date Sept. 2 1976 Ticket 21640 Company Texas Energies

Well Name and No. #1 McBride Dst No. 1 Interval Tested 3910 - 3949

County Pratt State Ks. Sec. 34 Twp. 27S Rg. 14W

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 8 MINUTES **PRE FLOW**						
Tool open 2:45 A.M. - ½" Orifice Plate						
3:10	25	46				42,500 C.F.P.D.
3:20	35	34				32,600
3:30	45	22				29,400
Tool closed 4:30 A.M. **SECOND FLOW** ½ orifice plate						
4:40	10	6				4,120
4:50	20	10				5,320
5:00	30	11				5,600
5:10	40	40				10,600
5:20	50	75				14,500
5:30	60	62				13,200

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 _____

Authorized by _____

FORM WTC 9

WESTERN TESTERS INC.

P. O. Box 1599
Wichita, Kansas 67201

Company Texas Energies, Inc. Lease & Well No. #1 McBride

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 21641

Date 9-4-76 Sec. 34 Twp. 27S Range 14W County Pratt State Kansas

Test Approved by James F. Dilts Western Representative Bill Hager

Formation Test No. 2 O.K. X Misrun - Interval Tested From 4372' to 4390' Total Depth 4390'

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 4367 Ft. Size 6 3/4 Bottom Packer Depth 4372 Ft. Size 6 3/4

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

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 18 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4380 Ft. Clock No. 6799 Depth 4383 Ft. Clock No. 9726

Top Make Kuster Cap. 4150 No. 2606 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 10:08 P M

Tool Open I.F.P. From 10:15 P M. to 10:45 P M. - Hr. 30 Min. From (B) 27 P.S.I. To (C) 30 P.S.I.

Tool Closed I.C.I.P. From 10:45 M. to 11:15 P M. - Hr. 30 Min (D) 73 P.S.I.

Tool Open F.F.P. From 11:15 P M. to 11:45 P M. - Hr. 30 Min. From (E) 37 P.S.I. To (F) 31 P.S.I.

Tool Closed F.C.I.P. From 11:45 M. to 12:15 P M. - Hr. 30 Min. (G) 77 P.S.I.

Initial Hydrostatic Pressure (A) 2236 P.S.I. Final Hydrostatic Pressure (H) 2190 P.S.I. Maximum Temp. 122

INFORMATION

BLOW Weak blow throughout test.

Did Well Flow - Yes X No Recovery Total Ft. 30' drilling mud with few oil specks.

Reversed Out - Yes X No Mud Type starch Viscosity 64 Weight 9.5 Water Loss 8.8 cc. Chlorides 31,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

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

DRILLING CONTRACTOR Gabbert & Jones Length Drill Pipe? 4166 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½ FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 183 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4½ H90 In. Length D.S.T. Tool 41 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 9-4-76 Test Ticket No. 21641

Recorder No. 2606 Capacity 4150 Location 4380 Ft.

Clock No. 6799 Elevation - Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2236 P.S.I.	Open Tool	10:08 P M	
B First Initial Flow Pressure	27 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	30 P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D Initial Closed-in Pressure	73 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	37 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	31 P.S.I.			
G Final Closed-in Pressure	77 P.S.I.			
H Final Hydrostatic Mud	2190 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	27
P 2 5	29
P 3 10	27
P 4 15	27
P 5 20	28
P 6 25	29
P 7 30	30
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 9 Inc. of 3 mins. and a final inc. of 0 Min.

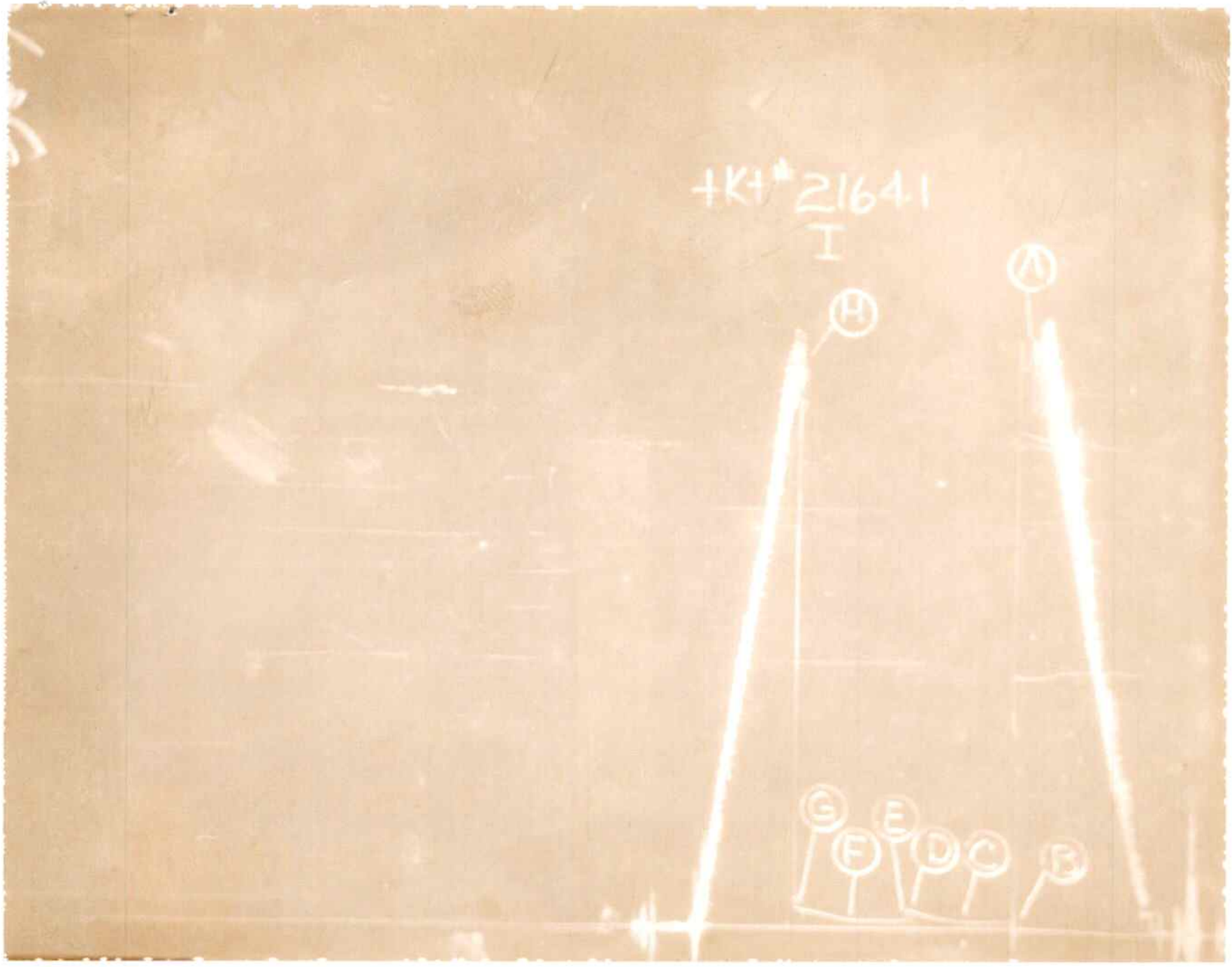
Point Minutes	Press.
0	30
3	33
6	37
9	40
12	42
15	48
18	54
21	60
24	64
27	73

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

Point Minutes	Press.
0	37
5	29
10	30
15	30
20	30
25	31
30	31

Final Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	31
3	35
6	42
9	46
12	50
15	56
18	60
21	64
24	67
27	73
30	77


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WESTERN TESTERS INC.

P. O. Box 1599
Wichita, Kansas 67201

Company Texas Energies, Inc. Lease & Well No. #1 McBride

Elevation - Formation Simpson Effective Pay - Ft. Ticket No. 21642

Date 9-6-76 Sec. 34 Twp. 27S Range 14W County Pratt State Kansas

Test Approved by James F. Dilts Western Representative Lonnie J. Cline

Formation Test No. 3 O.K. X Misrun - Interval Tested From 4510' to 4543' Total Depth 4543'

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

Top Packer Depth 4505 Ft. Size 6 3/4 Bottom Packer Depth 4510 Ft. Size 6 3/4

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

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 33 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4533 Ft. Clock No. 6799 Depth 4536 Ft. Clock No. 9726

Top Make Kuster Cap. 4150 No. 2606 ~~Outside~~ Inside 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 9:12 AM

Tool Open I.F.P. From 9:16 AM. to 9:46 AM. - Hr. 30 Min. From (B) 260 P.S.I. To (C) 1114 P.S.I.

Tool Closed I.C.I.P. From 9:46 M. to 10:31 M. - Hr. 45 Min (D) 1377 P.S.I.

Tool Open F.F.P. From 10:31 AM. to 11:16 M. - Hr. 45 Min. From (E) 1132 P.S.I. To (F) 1359 P.S.I.

Tool Closed F.C.I.P. From 11:16 M. to 12:16 PM. 1 Hr. - Min. (G) 1379 P.S.I.

Initial Hydrostatic Pressure (A) 2258 P.S.I. Final Hydrostatic Pressure (H) 2198 P.S.I. Maximum Temp. 137

INFORMATION

BLOW Strong blow decreasing to weak blow.

Did Well Flow - Yes - No Recovery Total Ft. 2700' slt water.

Reversed Out - Yes X No Mud Type starch Viscosity 50 Weight 97 Water Loss 6.4 cc. Chlorides 35,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

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

DRILLING CONTRACTOR Gabbert & Jones Length Drill Pipe? 4307 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 183 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4½H90 Length D.S.T. Tool 53 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 9-6-76 Test Ticket No. 21642

Recorder No. 2606 Capacity 4150 Location 4533 Ft.

Clock No. 6799 Elevation - Well Temperature 137 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2258	P.S.I.	Open Tool	9:12 A M	
B	First Initial Flow Pressure	260	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	1114	P.S.I.	Initial Closed-in Pressure	45 Mins.	42 Mins.
D	Initial Closed-in Pressure	1377	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	1132	P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	1359	P.S.I.			
G	Final Closed-in Pressure	1379	P.S.I.			
H	Final Hydrostatic Mud	2198	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	260
P 2 5	483
P 3 10	676
P 4 15	796
P 5 20	915
P 6 25	1021
P 7 30	1114
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 14 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	1114
3	1348
6	1356
9	1361
12	1365
15	1367
18	1369
21	1371
24	1373
27	1375
30	1375
33	1375
36	1736
39	1377
42	1377

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

Point Minutes	Press.
0	1132
5	1195
10	1240
15	1277
20	1304
25	1325
30	1340
35	1348
40	1356
45	1359

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

Point Minutes	Press.
0	1359
3	1371
6	1373
9	1375
12	1376
15	1376
18	1376
21	1376
24	1376
27	1377
30	1377
33	1377
36	1377
39	1378
42	1378
45	1378
48	1378
51	1379
54	1379
57	1379
60	1379

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