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

Company Texas Energies, Inc. Lease & Well No. Shaw "A"#1

Elevation -- Formation Keider-Winfield Effective Pay -- Ft. Ticket No. 1268

Date 4/17/79 Sec. 20 Twp. 26S Range 15W County Pratt State Kansas

Test Approved by Toby Elster Western Representative Rodney K. Tritt

Formation Test No. 1 Interval Tested from 2196' ft. to 2265' ft. Total Depth 2265' ft.

Packer Depth 2191 ft. Size 7 1/2 in. Packer Depth - ft. Size - in.

Packer Depth 2196 ft. Size 7 1/2 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 2203 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 2206 ft. Recorder Number 2606 Cap. 4150

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Gabbert-Jones Drilling Drill Collar Length 156 I. D. 2¼ in.

Mud Type premix-starch Viscosity 39 Weight Pipe Length - I. D. - in.

Weight 9.7 Water Loss 15.8 cc. Drill Pipe Length I. D. 3.8 in.

Chlorides 107,000 P.P.M. Test Tool Length 22' Tool Size 5½OD in.

Jars: Make No Serial Number No Anchor Length 39+DC ft. Size 5½OD in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 8 3/4 in. Tool Joint Size 4½FH in.

Blow: Strong blow throughout test. Gas to surface 10 minutes. See attached gas sheet for gas measurements.

Recovered 70 ft. of drilling mud

Recovered 60 ft. of water cut mud

Recovered 150 ft. of water

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 6:45 A.M. P.M. Time Started Off Bottom 10:45 A.M. P.M. Maximum Temperature 88

Initial Hydrostatic Pressure (A) 1142 P.S.I.

Initial Flow Period Minutes 60 (B) 85 P.S.I. to (C) 68 P.S.I.

Initial Closed In Period Minutes 60 (D) 676 P.S.I.

Final Flow Period Minutes 60 (E) 117 P.S.I. to (F) 119 P.S.I.

Final Closed In Period Minutes 60 (G) 680 P.S.I.

Final Hydrostatic Pressure (H) 1136 P.S.I.

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

GAS FLOW REPORT

Date 4/17/79 Ticket 1268 Company Texas Energies, Inc.

Well Name and No. Shaw "A"#1 Dst No. 1 Interval Tested 2196'-2265'

County Pratt State Kansas Sec. 20 Twp. 26S Rg. 15W

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
6:45 AM	Tool open		**PRE FLOW**			
6:55	10 min.		3/4" orifice			Gas to surface
	20 min.	10" of water	3/4" orifice			44,800 CFPD
	30 min.	12" of water	3/4" orifice			49,300 CFPD
	40 min.	13" of water	3/4" orifice			51,400 CFPD
	50 min.	14" of water	3/4" orifice			53,300 CFPD
	60 min.	15" of water	3/4" orifice			55,200 CFPD
			SECOND FLOW			
8:45	Tool open					
	10 min.	90" of water	3/4" orifice			134,000 CFPD
	20 min.	20" of water	3/4" orifice			63,500 CFPD
	30 min.	18" of water	3/4" orifice			60,200 CFPD
	40 min.	18" of water	3/4" orifice			60,200 CFPD
	50 min.	18" of water	3/4" orifice			60,200 CFPD
	60 min.	18" of water	3/4" orifice			60,200 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled --- Date to be Invoiced 4/17/79

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 Energies, Inc.

Authorized by Toby Elster

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 4/17/79 Test Ticket No. 1268

Recorder No. 2604 Capacity 4150 Location 2203 Ft.

Clock No. -- Elevation -- Well Temperature 88 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1142	P.S.I.	Open Tool	6:45 A M	
B	First Initial Flow Pressure	85	P.S.I.	First Flow Pressure	60 Mins.	60 Mins.
C	First Final Flow Pressure	68	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	676	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	117	P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	119	P.S.I.			
G	Final Closed-in Pressure	680	P.S.I.			
H	Final Hydrostatic Mud	1136	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	85
P 2 5	70
P 3 10	66
P 4 15	65
P 5 20	66
P 6 25	67
P 7 30	68
P 8 35	68
P 9 40	68
P10 45	68
P11 50	68
P12 55	68
P13 60	68
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

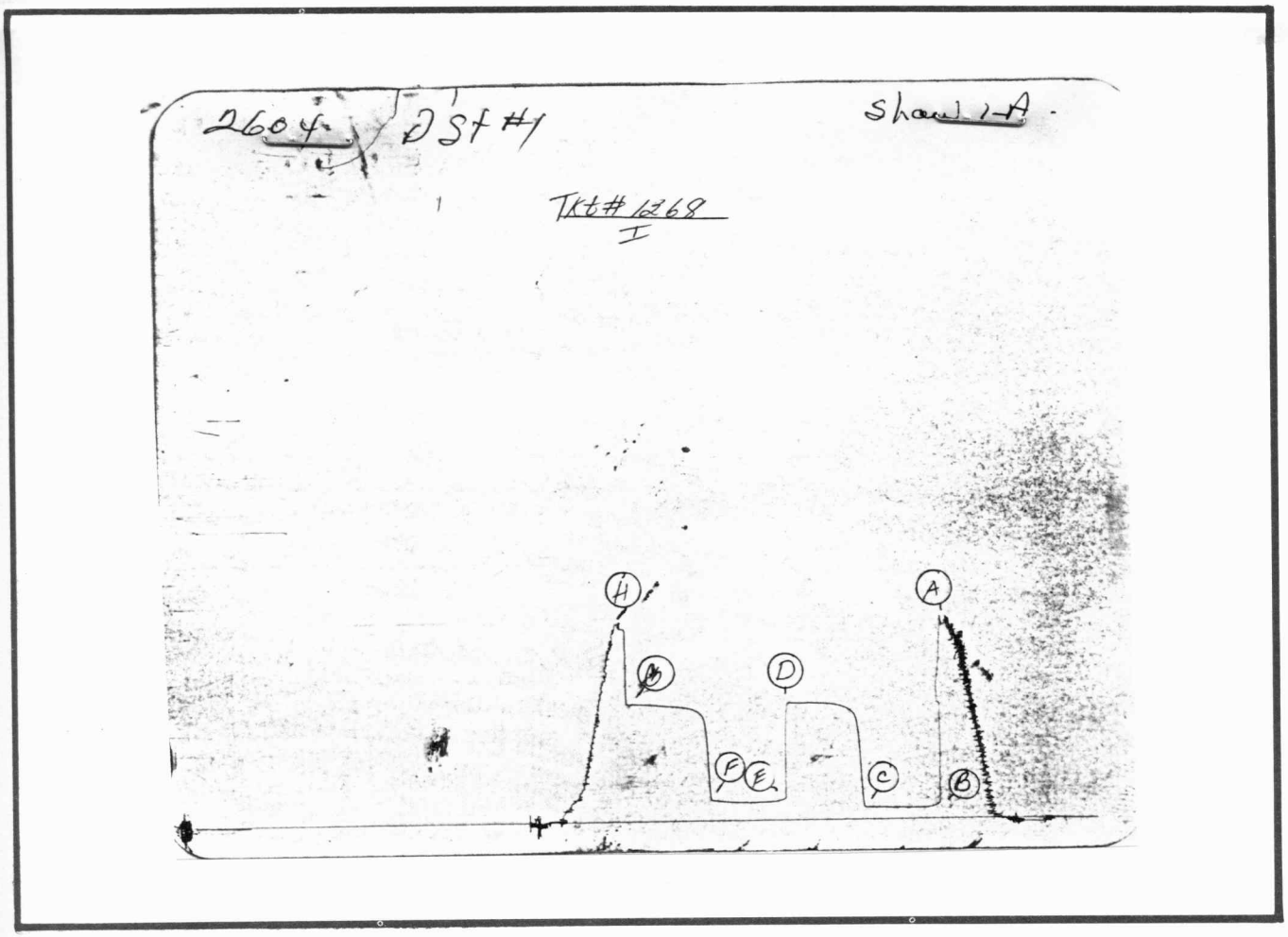
Point Minutes	Press.
0	68
3	292
6	559
9	617
12	638
15	650
18	663
21	669
24	673
27	676
30	676
33	676
36	676
39	676
42	676
45	676
48	676
51	676
54	676
57	676
60	676

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	117
5	111
10	107
15	104
20	104
25	104
30	104
35	104
40	104
45	109
50	113
55	116
60	119

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

Point Minutes	Press.
0	119
3	432
6	598
9	630
12	640
15	648
18	655
21	659
24	661
27	664
30	665
33	666
36	668
39	670
42	672
45	673
48	674
51	675
54	676
57	678
60	680



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1108	1142	PSI
(B)	First Initial Flow Pressure	85	85	PSI
(C)	First Final Flow Pressure	63	68	PSI
(D)	Initial Closed-in Pressure	669	676	PSI
(E)	Second Initial Flow Pressure	117	117	PSI
(F)	Second Final Flow Pressure	117	119	PSI
(G)	Final Closed-in Pressure	669	680	PSI
(H)	Final Hydrostatic Mud	1098	1136	PSI

COMPANY TEXAS ENERGIES, INC. LEASE AND WELL NO. SHAW "A" #1 SEC. 20 TWP. 26S RGE. 15W TEST NO. 1 DATE 4/17/79

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

Company Texas Energies, Inc. Lease & Well No. Shaw "A"#1

Elevation 2060 Kelly Bushing Formation Towanda Effective Pay -- Ft. Ticket No. 1269

Date 4/17/79 Sec. 20 Twp. 26S Range 15W County Pratt State Kansas

Test Approved by Toby Elster Western Representative Rod Tritt

Formation Test No. 2 Interval Tested from 2300' ft. to 2311' ft. Total Depth 2311' ft.

Packer Depth 2295 ft. Size 7 1/2 in. Packer Depth -- ft. Size -- in.

Packer Depth 2300 ft. Size 7 1/2 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 2303 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 2306 ft. Recorder Number 2606 Cap. 4150

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Gabbert-Jones Drilling Drill Collar Length 187 I. D. 2¼ in.

Mud Type premix-starch Viscosity Weight Pipe Length - I. D. - in.

Weight 9.7 Water Loss 15.8 cc. Drill Pipe Length 2091 I. D. 3.8 in.

Chlorides 107,000 P.P.M. Test Tool Length 21' ~~in~~ Tool Size 5½OD in.

Jars: Make No Serial Number -- Anchor Length 11' ft. Size 5½OD in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 8 3/4 in. Tool Joint Size 4½FH in.

Blow: Strong blow- Gas to surface two minutes. See attached sheet for gas measurements.

Recovered 25 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:00 ~~A.M.~~ P.M. Time Started Off Bottom 12:00 ~~A.M.~~ P.M. Midnight Maximum Temperature 93

Initial Hydrostatic Pressure			(A) 1199	P.S.I.		
Initial Flow Period	Minutes 60	(B) 138	P.S.I. to	(C) 179	P.S.I.	
Initial Closed In Period	Minutes 60	(D) 684	P.S.I.			
Final Flow Period	Minutes 60	(E) 221	P.S.I. to	(F) 186	P.S.I.	
Final Closed In Period	Minutes 60	(G) 671	P.S.I.			
Final Hydrostatic Pressure			(H) 1161	P.S.I.		

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

GAS FLOW REPORT

Date 4/17/79 Ticket 1269 Company Texas Energies, Inc.

Well Name and No. Shaw "A"#1 Dst No. 2 Interval Tested 2300'-2311'

County Pratt State Kansas Sec. 20 Twp. 26S Rg. 15W

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			
8:00 PM	Tool open					
	2 min.		1¼" orifice			Gas to surface
	10 min.	17 lbs.	1¼" orifice			1,105,000 CFPD
	20 min.	20 lbs.	1¼" orifice			1,233,000 CFPD
	30 min.	20 lbs.	1¼" orifice			1,233,000 CFPD
	40 min.	20 lbs.	1¼" orifice			1,233,000 CFPD
	50 min.	20 lbs.	1¼" orifice			1,233,000 CFPD
	60 min.	20 lbs.	1¼" orifice	**SECOND FLOW**		1,233,000 CFPD
10:00 PM	TOOL	OPEN				
	10 min.	22 lbs.	1¼" orifice			1,316,000 CFPD
	20 min.	22 lbs.	1¼" orifice			1,316,000 CFPD
	30 min.	22 lbs.	1¼" orifice			1,316,000 CFPD
	40 min.	20 lbs.	1¼" orifice			1,233,000 CFPD
	50 min.	20 lbs.	1¼" orifice			1,233,000 CFPD
	60 min.	20 lbs.	1¼" orifice			1,233,000 CFPD

GAS BOTTLE

#46 initial

Serial No. #638 final Date Bottle Filled 4/17/79 Date to be Invoiced 4/17/79

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 ENERGIES, INC.

Authorized by Toby Elster

FORM WTC 6

WESTERN TESTING CO., INC.

Pressure Data

Date 4/17/79 Test Ticket No. 1269

Recorder No. 2604 Capacity 4150 Location 2303 Ft.

Clock No. -- Elevation 2060 Kelly Bushing Well Temperature 93 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1199 P.S.I.	Open Tool	8:00P M	
B First Initial Flow Pressure	138 P.S.I.	First Flow Pressure	60 Mins.	60 Mins.
C First Final Flow Pressure	179 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	684 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	221 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	186 P.S.I.			
G Final Closed-in Pressure	671 P.S.I.			
H Final Hydrostatic Mud	1161 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	138
P 2 5	147
P 3 10	153
P 4 15	160
P 5 20	164
P 6 25	168
P 7 30	173
P 8 35	175
P 9 40	176
P10 45	177
P11 50	177
P12 55	178
P13 60	179
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

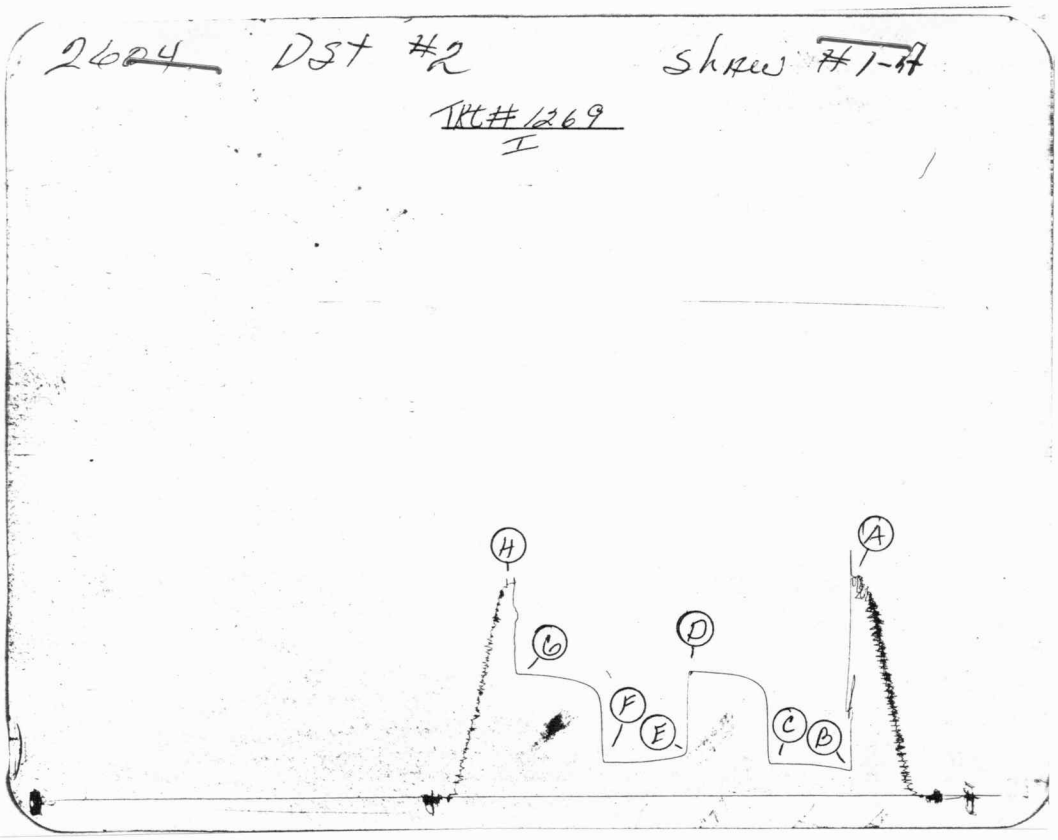
Point Minutes	Press.
0	179
3	498
6	586
9	611
12	627
15	640
18	648
21	655
24	661
27	663
30	667
33	670
36	672
39	674
42	676
45	678
48	680
51	681
54	682
57	683
60	684

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	221
5	218
10	209
15	205
20	198
25	195
30	190
35	190
40	189
45	188
50	187
55	186
60	186

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

Point Minutes	Press.
0	186
3	470
6	567
9	594
12	609
15	615
18	623
21	634
24	638
27	644
30	648
33	651
36	654
39	657
42	660
45	663
48	666
51	668
54	670
57	671
60	671



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1192	1199	PSI
(B)	First Initial Flow Pressure	127	138	PSI
(C)	First Final Flow Pressure	170	179	PSI
(D)	Initial Closed-in Pressure	679	684	PSI
(E)	Second Initial Flow Pressure	213	221	PSI
(F)	Second Final Flow Pressure	191	186	PSI
(G)	Final Closed-in Pressure	669	671	PSI
(H)	Final Hydrostatic Mud	1181	1161	PSI

COMPANY TEXAS ENERGIES, INC. LEASE AND WELL NO. SHAW "A"#1 SEC. 20 TWP. 26S RGE. 15W TEST NO. 2 DATE 4/17/79