



Home Office: Wichita, Kansas 67201
 P.O. Box 1599 (316) 262-5861

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

Elevation -- Formation Mississippi Effective Pay --- Ft. Ticket No. 5320

Date 1/26/80 Sec. 2 Twp 27S Range 15W County Pratt State Kansas

Test Approved by Toby Elster Western Representative Stuart Stover

Formation Test No. 1 Interval Tested from 4393 ft. to 4435 ft. Total Depth 4435 ft.

Packer Depth 4388 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4393 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4432 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 4435 ft. Recorder Number 11019 Cap. 4500

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

Drilling Contractor Gabbert-Jones Drilling Rig #6 Drill Collar Length 152 I. D. 2.25 in.

Mud Type premix Viscosity 51 Weight Pipe Length - I. D. - in.

Weight 9.8 Water Loss 7.2 cc. Drill Pipe Length 4220 I. D. 3.8 in.

Chlorides 22,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.

Jars: Make -- Serial Number -- Anchor Length 42 ft. Size 4 1/2 in.

Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Good throughout. Gas to surface in forty-five minutes on second flow period. 10.5 MCFGPD through 1 1/8" orifice

Recovered 180 ft. of gas cut drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Chlorides 15,000 ppm

Time Set Packer(s) 2:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 7:15 ~~P.M.~~ ^{A.M.} Maximum Temperature

Initial Hydrostatic Pressure (A) 2327 P.S.I.

Initial Flow Period Minutes 60 (B) 106 P.S.I. to (C) 111 P.S.I.

Initial Closed In Period Minutes 66 (D) 998 P.S.I.

Final Flow Period Minutes 80 (E) 104 P.S.I. to (F) 118 P.S.I.

Final Closed In Period Minutes 90 (G) 1251 P.S.I.

Final Hydrostatic Pressure (H) 2251 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 1/26/80 Test Ticket No. 5320
 Recorder No. 11018 Capacity 4425 Location 4432 Ft. ---
 Clock No. --- Elevation ----- Well Temperature --- °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	2327	P.S.I.	Open Tool	2:30A	M
B First Initial Flow Pressure	106	P.S.I.	First Flow Pressure	60	Mins. 60 Mins.
C First Final Flow Pressure	111	P.S.I.	Initial Closed-in Pressure	60	Mins. 66 Mins.
D Initial Closed-in Pressure	998	P.S.I.	Second Flow Pressure	75	Mins. 80 Mins.
E Second Initial Flow Pressure	104	P.S.I.	Final Closed-in Pressure	90	Mins. 90 Mins.
F Second Final Flow Pressure	118	P.S.I.			
G Final Closed-in Pressure	1251	P.S.I.			
H Final Hydrostatic Mud	2251	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>22</u> Inc.		Breakdown: <u>16</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	0	0	111	0	104	0	118
P 2	5	3	153	5	111	3	153
P 3	10	6	202	10	112	2	213
P 4	15	9	262	15	114	9	276
P 5	20	12	313	20	114	12	336
P 6	25	15	367	25	115	15	398
P 7	30	18	404	30	116	18	451
P 8	35	21	453	35	116	21	507
P 9	40	24	496	40	117	24	560
P10	45	27	542	45	118	27	611
P11	50	30	582	50	118	30	655
P12	55	33	626	55	118	33	706
P13	60	36	664	60	118	36	750
P14		39	701	65	118	39	796
P15		42	743	70	118	42	843
P16		45	777	75	118	45	878
P17		48	810	80	118	48	918
P18		51	847			51	954
P19		54	878			54	982
P20		57	914			57	1002
WTC - 4		60	940			60	1042
		63	967				
		66	998				

continued next page

WESTERN TESTING CO., INC.

Pressure Data

Date 1/26/80

Test Ticket No. 5320

Recorder No. 11018

Capacity 4425

Location 4432

Clock No. --- Elevation -----

Well Temperature ---

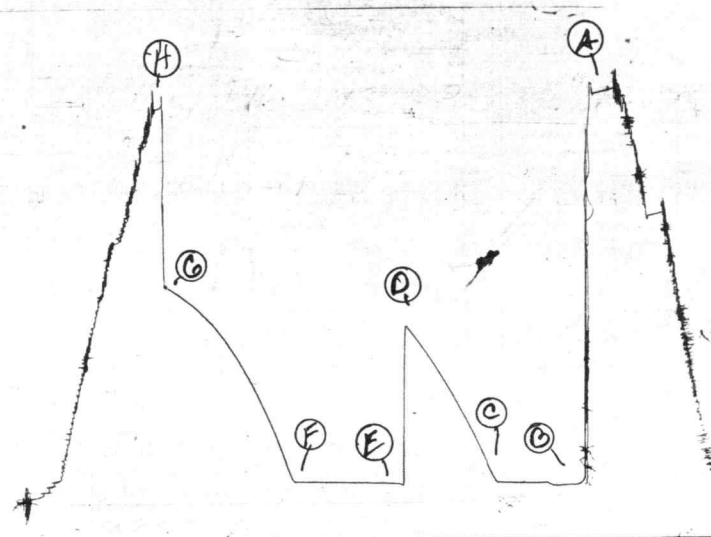
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2327</u> P.S.I.	Open Tool	<u>2:30A</u>	<u>M</u>
B First Initial Flow Pressure	<u>106</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>111</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>66</u> Mins.
D Initial Closed-in Pressure	<u>998</u> P.S.I.	Second Flow Pressure	<u>75</u> Mins.	<u>80</u> Mins.
E Second Initial Flow Pressure	<u>104</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>118</u> P.S.I.			
G Final Closed-in Pressure	<u>1251</u> P.S.I.			
H Final Hydrostatic Mud	<u>2251</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>22</u> Inc.		Breakdown: <u>16</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						63	1073
P 2						66	1097
P 3						69	1119
P 4						72	1139
P 5						75	1159
P 6						78	1178
P 7						81	1196
P 8						84	1214
P 9						87	1231
P10						90	1251
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

11018-5320

TKT #5320
I





Home Office: Wichita, Kansas 67201
 P.O. Box 1599 (316) 262-5861

Company Texas Energies, Inc. Lease & Well No. Curtis #1
 Elevation 2044 Rotary Bushing Formation Mississippi Effective Pay --- Ft. Ticket No. 5321
 Date 1/26/80 Sec. 2 Twp. 27S Range 15W County Pratt State Kansas
 Test Approved by Toby Elster Western Representative Stuart Stover

Formation Test No. 2 Interval Tested from 4430 ft. to 4465 ft. Total Depth 4465 ft.
 Packer Depth 4425 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4430 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4462 ft. Recorder Number 11018 Cap. 4425
 Bottom Recorder Depth (Outside) 4465 ft. Recorder Number 11019 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Gabbert-Jones Drilling Rig #6 Drill Collar Length 152 I. D. 2.25 in.
 Mud Type premix Viscosity 44 Weight Pipe Length - I. D. - in.
 Weight 9.7 Water Loss 10.8 cc. Drill Pipe Length 4157 I. D. 3.8 in.
 Chlorides 23,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
 Jars: Make - Serial Number - Anchor Length 35 ft. Size 4 1/2 in.
 Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Fair increasing to good.

Recovered 200 ft. of gas cut mud ; few oil specks in top of tool
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 10:30 ~~A.M.~~ P.M. Time Started Off Bottom 3:15 ~~A.M.~~ P.M. = Maximum Temperature 122°
 Initial Hydrostatic Pressure (A) 2347 P.S.I.
 Initial Flow Period Minutes 60 (B) 73 P.S.I. to (C) 84 P.S.I.
 Initial Closed In Period Minutes 60 (D) 527 P.S.I.
 Final Flow Period Minutes 75 (E) 87 P.S.I. to (F) 102 P.S.I.
 Final Closed In Period Minutes 96 (G) 1082 P.S.I.
 Final Hydrostatic Pressure (H) 2278 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 1/26/80 Test Ticket No. 5321
 Recorder No. 11018 Capacity 4425 Location 4462 Ft.
 Clock No. ----- Elevation 2044 Rotary Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2347	P.S.I.	10:30P	M
B First Initial Flow Pressure	73	P.S.I.	60	Mins. 60 Mins.
C First Final Flow Pressure	84	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	527	P.S.I.	75	Mins. 75 Mins.
E Second Initial Flow Pressure	87	P.S.I.	90	Mins. 96 Mins.
F Second Final Flow Pressure	102	P.S.I.		
G Final Closed-in Pressure	1082	P.S.I.		
H Final Hydrostatic Mud	2278	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.
	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	73	0	84	0	87	0	102	
P 2 5	72	3	107	5	88	3	138	
P 3 10	87	6	142	10	90	6	180	
P 4 15	83	9	178	15	92	9	224	
P 5 20	91	12	207	20	93	12	262	
P 6 25	118	15	236	25	94	15	307	
P 7 30	78	18	262	30	95	18	351	
P 8 35	78	21	27	35	95	21	391	
P 9 40	76	24	311	40	96	24	429	
P10 45	82	27	336	45	96	27	469	
P11 50	86	30	356	50	97	30	509	
P12 55	84	33	378	55	98	33	540	
P13 60	84	36	397	60	99	36	580	
P14		39	419	65	100	39	613	
P15		42	437	70	101	42	648	
P16		45	456	75	102	45	684	
P17		48	470			48	717	
P18		51	484			51	746	
P19		54	499			54	777	
P20		57	514			57	808	
WTC - 4		60	527			60	836	

continued next page

WESTERN TESTING CO., INC.
Pressure Data

Date 1/26/80 Test Ticket No. 5321
 Recorder No. 11018 Capacity 4425 Location 4462 Ft.
 Clock No. ----- Elevation 2044 Rotary Bushing Well Temperature 122 °F

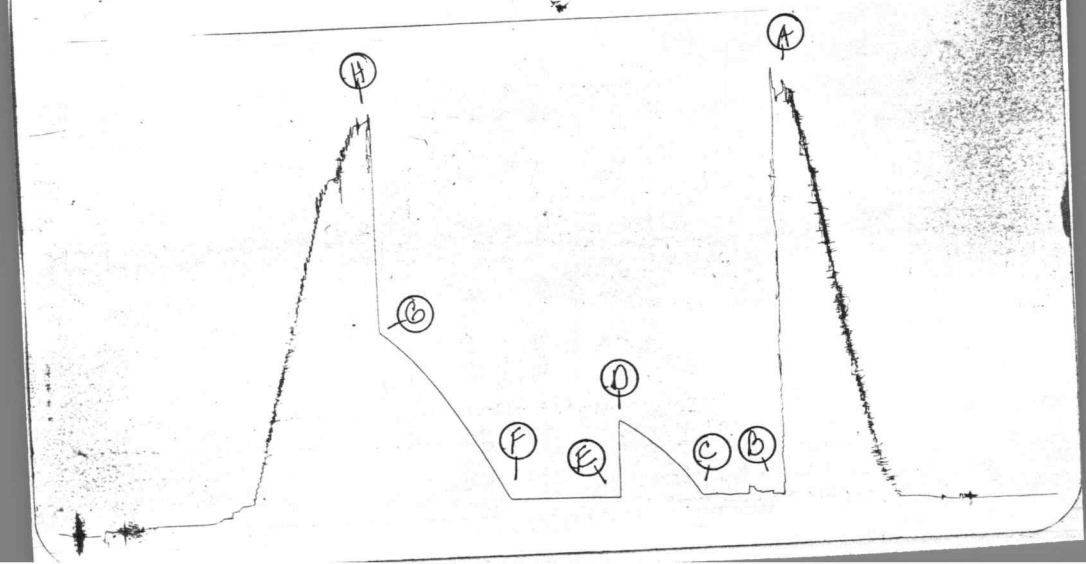
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2347 P.S.I.	Open Tool	10:30P M	
B First Initial Flow Pressure	73 P.S.I.	First Flow Pressure	60 Mins.	60 Mins.
C First Final Flow Pressure	84 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	527 P.S.I.	Second Flow Pressure	75 Mins.	75 Mins.
E Second Initial Flow Pressure	87 P.S.I.	Final Closed-in Pressure	90 Mins.	96 Mins.
F Second Final Flow Pressure	102 P.S.I.			
G Final Closed-in Pressure	1082 P.S.I.			
H Final Hydrostatic Mud	2278 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>15</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>32</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	860
P 2						66	884
P 3						69	905
P 4						72	932
P 5						75	956
P 6						78	977
P 7						81	995
P 8						84	1017
P 9						87	1036
P10						90	1057
P11						93	1075
P12						96	1082
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

11018-5321

TKT # 5321
I





Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Texas Energies, Inc. Lease & Well No. Curtis #1
Elevation 2044 Rotary Bushing Formation Kinderhook Effective Pay --- Ft. Ticket No. 5322
Date 1/27/80 Sec. 2 Twp. 27S Range 15W County Pratt State Kansas
Test Approved by ? Western Representative Stuart Stover

Formation Test No. 3 Interval Tested from _____ ft. to _____ ft. Total Depth 4495 ft.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) _____ ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) _____ ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Gabbert-Jones Drilling Rig#6 Drill Collar Length 152 I. D. 2.25 in.
Mud Type _____ Viscosity _____ Weight Pipe Length _____ I. D. _____ in.
Weight 9.7 Water Loss _____ cc. Drill Pipe Length _____ I. D. _____ in.
Chlorides 25,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
Jars: Make -- Serial Number -- Anchor Length 30 ft. Size 4 1/2 in.
Did Well Flow? -- Reversed Out -- Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: _____

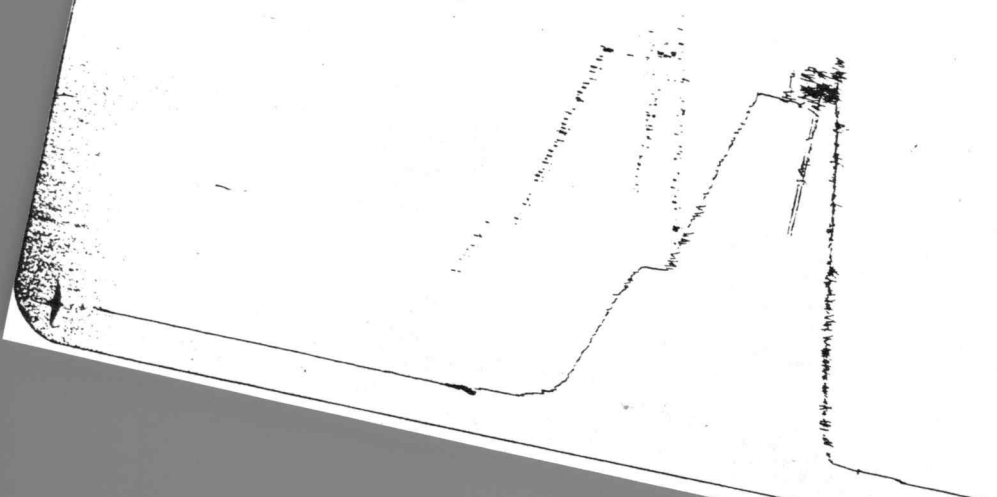
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____ MISRUN
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: Bridge 530 feet from bottom; tool would not go through

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom 9:30 ~~A.M.~~ P.M. Maximum Temperature _____
Initial Hydrostatic Pressure (A) _____ P.S.I.
Initial Flow Period Minutes (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period Minutes (D) _____ P.S.I.
Final Flow Period Minutes (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period Minutes (G) _____ P.S.I.
Final Hydrostatic Pressure (H) _____ P.S.I.

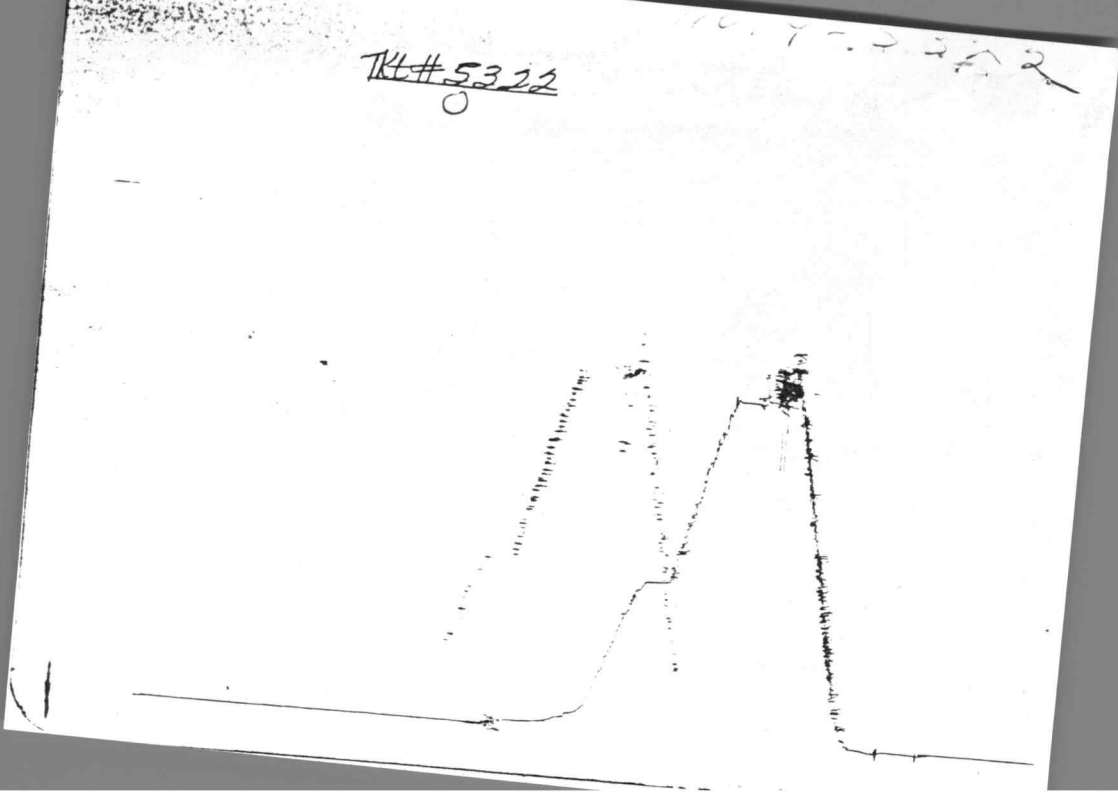
TRT # 5322
I

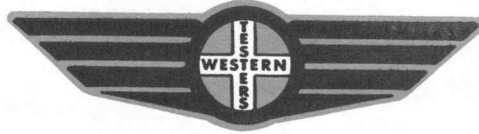
11018 - 5322



KL# 5322

10.7.2022





Home Office: Wichita, Kansas 67201
 P.O. Box 1599 (316) 262-5861

Company Texas Energies, Inc. Lease & Well No. Curtis #1
 Elevation 2044 Rotary Bushing Kinderhook Formation Effective Pay --- Ft. Ticket No. 5323
 Date 1/28/80 Sec. 2 Twp. 27S Range 15W County Pratt State Kansas

Test Approved by Toby Elster Western Representative Stuart Stover
 Formation Test No. 4 Interval Tested from 4465 ft. to 4495 ft. Total Depth 4495 ft.
 Packer Depth 4460 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4465 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4492 ft. Recorder Number 11018 Cap. 4425
 Bottom Recorder Depth (Outside) 4495 ft. Recorder Number 11019 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Gabbert-Jones Drilling Rig #6 Drill Collar Length 336 I. D. 2.25 in.
 Mud Type starch - salt Viscosity 46 Weight Pipe Length - I. D. - in.
 Weight 9.7 Water Loss 12.8 cc. Drill Pipe Length 4108 I. D. 3.8 in.
 Chlorides 26,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
 Jars: Make -- Serial Number -- Anchor Length 30 ft. Size 4 1/2 in.
 Did Well Flow? -- Reversed Out -- Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Weak steady throughout test.

Recovered 75 ft. of drilling mud No show.
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Remarks: 30,000 chlorides ppm

Time Set Packer(s) 6:00 A.M. P.M. Time Started Off Bottom 10:45 A.M. P.M. Maximum Temperature 118°
 Initial Hydrostatic Pressure (A) 2493 P.S.I.
 Initial Flow Period Minutes 60 (B) 111 P.S.I. to (C) 59 P.S.I.
 Initial Closed In Period Minutes 60 (D) 458 P.S.I.
 Final Flow Period Minutes 75 (E) 120 P.S.I. to (F) 71 P.S.I.
 Final Closed In Period Minutes 90 (G) 1132 P.S.I.
 Final Hydrostatic Pressure (H) 2253 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 1/28/80 Test Ticket No. 5323
 Recorder No. 11018 Capacity 4425 Location 4492 Ft.
 Clock No. ----- Elevation 2044 Rotary Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	2493	P.S.I.	6:00	M
B. First Initial Flow Pressure	111	P.S.I.	60	Mins.
C. First Final Flow Pressure	59	P.S.I.	60	Mins.
D. Initial Closed-in Pressure	458	P.S.I.	75	Mins.
E. Second Initial Flow Pressure	120	P.S.I.	90	Mins.
F. Second Final Flow Pressure	71	P.S.I.		
G. Final Closed-in Pressure	1132	P.S.I.		
H. Final Hydrostatic Mud	2253	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 12 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: 15 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 0	111	0	59	0	120	0	71
P 2 5	89	3	61	5	96	3	72
P 3 10	78	6	61	10	82	6	74
P 4 15	71	9	63	15	76	9	76
P 5 20	69	12	67	20	71	12	79
P 6 25	68	15	69	25	69	15	89
P 7 3	66	18	70	30	66	18	100
P 8 35	65	21	75	35	68	21	118
P 9 40	64	24	80	40	70	24	138
P10 45	64	27	84	45	71	27	169
P11 5	66	30	89	50	71	30	213
P12 55	61	33	96	55	71	33	273
P13 60	59	36	102	60	71	36	327
P14		39	122	65	71	39	382
P15		42	151	70	71	42	453
P16		45	202	75	71	45	520
P17		48	253			48	584
P18		51	322			51	646
P19		54	368			54	704
P20		57	413			57	757
WTC - 4		60	458				

continued next 60 page 801

WESTERN TESTING CO., INC.
Pressure Data

Date 1/28/80 Test Ticket No. 5323
 Recorder No. 11018 Capacity 4425 Location 4492 Ft.
 Clock No. ----- Elevation 2044 Rotary Bushing Well Temperature 118 °F
 Point Pressure P.S.I. Open Tool Time Given Time Computed
 A Initial Hydrostatic Mud 2493 P.S.I. Open Tool 6:00 M
 B First Initial Flow Pressure 111 P.S.I. First Flow Pressure 60 Mins. 60 Mins.
 C First Final Flow Pressure 59 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 458 P.S.I. Second Flow Pressure 75 Mins. 75 Mins.
 E Second Initial Flow Pressure 120 P.S.I. Final Closed-in Pressure 90 Mins. 90 Mins.
 F Second Final Flow Pressure 71 P.S.I.
 G Final Closed-in Pressure 1132 P.S.I.
 H Final Hydrostatic Mud 2253 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>15</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						63	847
P 2						66	892
P 3						69	936
P 4						72	978
P 5						75	1018
P 6						78	1041
P 7						81	1064
P 8						84	1087
P 9						87	1109
P10						90	1132
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

11018-5323

1kt # 5323
I

