WESTERN TESTING CO., INC.
FORMATION TESTING

P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

TICKET 23042

Formation Heeringten Elevation 1915 KB Eff. Pay ____ Ft.

District Pratt Date 9-25 Customer Order No. ____

COMPANY NAME Texas Oil + Gas Corp.

ADDRESS ____

LEASE AND WELL NO. Lenkner #1 COUNTY Barber STATE Kansas Sec. 28 Twp. 30S Rge. 13W

Mail Inv. To ____ No. Copies Requested ~~4~~

Co. Name Address

Mail Charts To ____ No. Copies Requested ~~4~~

Address

Formation Test No. 1 O.K. X Misrun ____ Interval Tested From 2117' to 2139' Total Depth 2139'

Size Main Hole 7⅞ Rat Hole — Conv. — B.T. X Damaged ____ Yes X No Conv. X B.T. — Damaged ____ Yes X No

Top Packer Depth 2112 Ft. Size 6¾ OD Bottom Packer Depth 2117 Ft. Size 6¾ OD

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

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 22 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2129 Ft. Clock No. 4763 Depth 2132 Ft. Clock No. 9726

Top Make Kuster Cap. 4150 No. 2604 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 7:10 P M

Tool Open I.F.P. From 7:10 M. to 7:40 M. — Hr. 30 Min. From (B) 31 46 P.S.I. To (C) 31 29 P.S.I.

Tool Closed I.C.I.P. From 7:40 M. to 8:40 M. Hr. 60 Min. (D) 166 176 P.S.I.

Tool Open F.F.P. From 8:40 M. to 8:55 M. Hr. 15 Min. From (E) 31 58 P.S.I. To (F) 31 38 P.S.I.

Tool Closed F.C.I.P. From 8:55 M. to 9:40 M. Hr. 45 Min. (G) 104 112 P.S.I.

Initial Hydrostatic Pressure (A) 1091 1089 P.S.I. Final Hydrostatic Pressure (H) 1091 1062 P.S.I. Maximum tel Temp. 95

INFORMATION

BLOW Weak blow, decreasing Died in 27 min. for initial flow period ~~first opening~~
Bypassed tool final ~~opening~~ period weak blow f 5 minutes.

Did Well Flow ____ Yes X No Recovery Total Ft. 20 ft, DRLG. MUD

Reversed Out ____ Yes X No Mud Type Premix Viscosity 31 Weight 9.7 Water Loss 112.0 API cc. Chlorides 2300 PPM

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

Dual Packers yes Did Packers Hold? yes Did Tool Plug? No Where? —

DRILLING CONTRACTOR H-30-INC. Length Drill Pipe 1839 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 ~~[illegible]~~ 248 ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4-H90 In. Length D.S.T. Tool 52 ft.

Remarks Read Chart + Recorder # 2606

INVOICE SECTION

Open Hole Test	$ 380.00
Straddle Test	$ —
Jars	$ 175.00
Selective Zone	$
Safety Joint	$ 30.00
Misrun	$
Evaluation	$
Packer	$
Circ. Sub.	$
	$
Total	$ 585.00

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By T W Dahlberg
Signature of Customer or his Authorized Representative

Western Representative Bill Hager + Rod Hett

Operator's Time Thank You Hrs.

Don Humphries
Box 153
Gt. Bend,

WESTERN TESTING CO., INC.
Pressure Data

Date 9-25-77 — Test Ticket No. 23042

Recorder No. ~~2604~~ 2606 — Capacity 4150 — Location ~~2129~~ 2133 Ft.

Clock No. ~~4763~~ 9726 — Elevation 1915 Kelly Bushing — Well Temperature 95 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1089 P.S.I.		Open Tool	7:10 P M	
B	First Initial Flow Pressure	46 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	29 P.S.I.		Initial Closed-in Pressure	60 Mins.	57 Mins.
D	Initial Closed-in Pressure	176 P.S.I.		Second Flow Pressure	15 Mins.	15 Mins.
E	Second Initial Flow Pressure	58 P.S.I.		Final Closed-in Pressure	45 Mins.	48 Mins.
F	Second Final Flow Pressure	38 P.S.I.				
G	Final Closed-in Pressure	112 P.S.I.				
H	Final Hydrostatic Mud	1062 P.S.I.				

PRESSURE BREAKDOWN

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

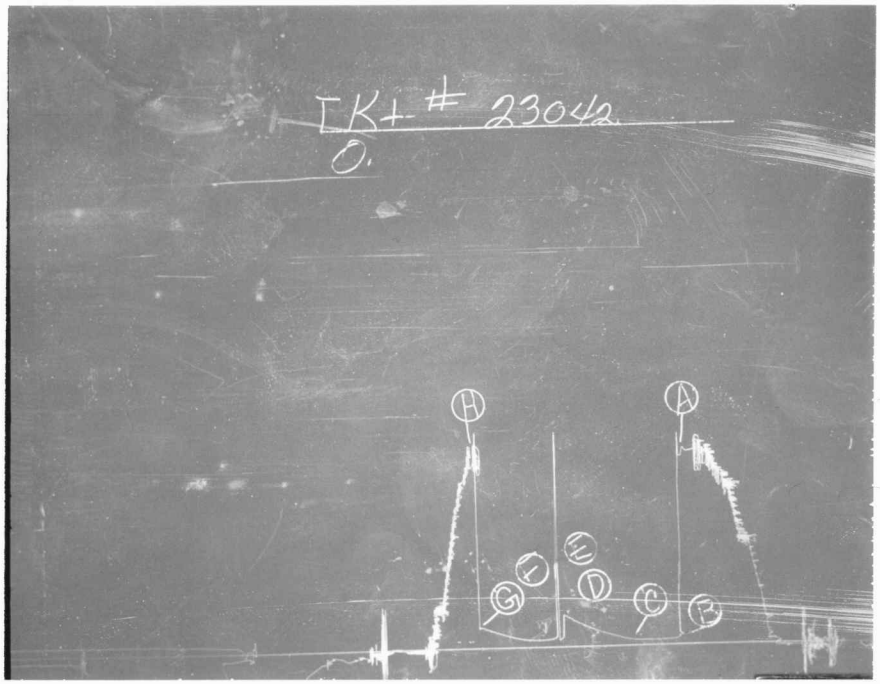
Initial Shut-In — Breakdown: 19 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure (~~Flow Pressure~~) — Breakdown: 3 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In — Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

	First Flow Point Mins.	Press.	Initial Shut-In Point Minutes	Press.	Second Flow Point Minutes	Press.	Final Shut-In Point Minutes	Press.
P 1	0	46	0	29	0	58 Flushed Tool	0	38
P 2	5	31	3	34	5	56	3	38
P 3	10	29	6	37	10	42	6	41
P 4	15	29	9	43	15	38	9	41
P 5	20	29	12	48	20		12	43
P 6	25	29	15	54	25		15	44
P 7	30	29	18	60	30		18	48
P 8	35		21	68	35		21	53
P 9	40		24	73	40		24	58
P10	45		27	79	45		27	63
P11	50		30	86	50		30	71
P12	55		33	96	55		33	77
P13	60		36	104	60		36	87
P14			39	114	65		39	92
P15			42	123	70		42	100
P16			45	134	75		45	106
P17			48	141	80		48	112
P18			51	156	85		51	
P19			54	168	90		54	
P20			57	176			57	
			~~60~~				60	

WTC - 4



TK+ # 23042
I.

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

Company Texas Oil & Gas Corp. Lease & Well No. Lenkner #1

Elevation 1915 Kelly Bush. Formation Herrington Effective Pay - Ft. Ticket No. 23042

Date 9-25-77 Sec. 28 Twp. 30S Range 13W County Barber State Kansas

Test Approved by K.W. Dahlberg Western Representative Bill Hager

Formation Test No. 1 O.K. X Misrun - Interval Tested From 2117' to 2139' Total Depth 2139'

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 2112 Ft. Size 6 3/4 OD Bottom Packer Depth 2117 Ft. Size 6 3/4 OD

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

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 22 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2129 Ft. Clock No. 4763 Depth 2132 Ft. Clock No. 9726

Top Make Kuster Cap. 4150 No. 2604 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 7:10P. M

Tool Open I.F.P. From 7:10P M. to 7:40P M. - Hr. 30 Min. From (B) 46 P.S.I. To (C) 29 P.S.I.

Tool Closed I.C.I.P. From 7:40P M. to 8:40P M. - Hr. 60 Min (D) 176 P.S.I.

Tool Open F.F.P. From 8:40P M. to 8:55P M. - Hr. 15 Min. From (E) 58 P.S.I. To (F) 38 P.S.I.

Tool Closed F.C.I.P. From 8:55P M. to 9:40P M. - Hr. 45 Min. (G) 112 P.S.I.

Initial Hydrostatic Pressure (A) 1089 P.S.I. Final Hydrostatic Pressure (H) 1062 P.S.I. Maximum Temp. 95

INFORMATION

BLOW Weak blow, decreasing, died in 27 minutes on initial flow period. By passed tool, weak blow for 5 minutes on final flow period.

Did Well Flow - Yes X No Recovery Total Ft. 20' of drilling mud.

Reversed Out - Yes X No Mud Type Premix Viscosity 31 Weight 9.7 Water Loss 112.0 A.P.I. cc. Chlorides 2300 PPM

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

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

DRILLING CONTRACTOR H-30, Inc. Length Drill Pipe? 1839 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 248 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4" H 90 In. Length D.S.T. Tool 52 Ft.

Remarks: Read recorder # 2606.

WESTERN TESTING CO., INC.
Pressure Data

Date 9-25-77 Test Ticket No. 23042

Recorder No. 2606 Capacity 4150 Location 2132 Ft.

Clock No. 9726 Elevation 1915 Kelly Bushing Well Temperature 95 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1089	P.S.I.
B	First Initial Flow Pressure	46	P.S.I.
C	First Final Flow Pressure	29	P.S.I.
D	Initial Closed-in Pressure	176	P.S.I.
E	Second Initial Flow Pressure	58	P.S.I.
F	Second Final Flow Pressure	38	P.S.I.
G	Final Closed-in Pressure	112	P.S.I.
H	Final Hydrostatic Mud	1062	P.S.I.

	Time Given	Time Computed
Open Tool	7:10P. M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	57 Mins.
Second Flow Pressure	15 Mins.	15 Mins.
Final Closed-in Pressure	45 Mins.	48 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	46
P 2 5	31
P 3 10	29
P 4 15	29
P 5 20	29
P 6 25	29
P 7 30	29
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 19 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	29
3	34
6	37
9	43
12	48
15	54
18	60
21	68
24	73
27	79
30	86
33	96
36	104
39	114
42	123
45	134
48	141
51	156
54	168
57	176

Second Flow Pressure
Breakdown: 3 Inc.
of 05 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	58 Flushed Tool
5	56
10	42
15	38

Final Shut-In
Breakdown: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	38
3	38
6	41
9	41
12	43
15	44
18	48
21	53
24	58
27	63
30	71
33	77
36	87
39	92
42	100
45	106
48	112

WESTERN TESTERS

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

10 orange 4 white

WESTERN TESTING CO., INC.
FORMATION TESTING
TICKET 22739

Formation LANSING Elevation 1915 KB Eff. Pay ______ Ft.

District PRATT Date 9-30-77 Customer Order No. ______

COMPANY NAME TEXAS OIL + GAS Corp.

ADDRESS 200 W. Douglas Suite 300 Wichita, Ks. 67202

LEASE AND WELL NO. LENKNER #1 COUNTY BARBER STATE KS Sec. 28 Twp. 30S Rge. 13W

Mail Inv. To ______ No. Copies Requested Reg
Co. Name ______ Address

Mail Charts To ______ No. Copies Requested ______
Address

Formation Test No. 2 O.K. ✓ Misrun — Interval Tested From 4007 to 4070' Total Depth 4070'

Size Main Hole 7 7/8 Rat Hole — Conv. ✓ B.T. — Damaged — Yes ✓ No Conv. — B.T. ✓ Damaged — Yes ✓ No

Top Packer Depth 4002 Ft. Size 6 3/4 Bottom Packer Depth 4007 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 63 Ft. Size 32'-6 1/4 OD 31'-5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4013 Ft. Clock No. 10168 Depth 4016 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 7:02 A M

Tool Open I.F.P. From 7:04 A M. to 7:34 A M. Hr. 30 Min. From (B) 51 80 P.S.I. To (C) 71 80 P.S.I.

Tool Closed I.C.I.P. From 7:34 A M. to 8:34 A M. 1 Hr. 00 Min. (D) 1,291 1323 P.S.I.

Tool Open F.F.P. From 8:34 A M. to 9:19 A M. Hr. 45 Min. From (E) 81 111 P.S.I. To (F) 102 114 P.S.I.

Tool Closed F.C.I.P. From 9:19 A M. to 10:59 A M. 1 Hr. 30 Min. (G) 1,302 1316 P.S.I.

Initial Hydrostatic Pressure (A) 1,943 1971 P.S.I. Final Hydrostatic Pressure (H) 1,947 1939 P.S.I. Maximum Temp. 122°

INFORMATION

BLOW STRONG BLOW IFP initial period - GAS TO SURF. 4 MIN - See ATTAched Sheet for gas measurements

Did Well Flow — Yes ✓ No Recovery Total Ft. 268 ft - 20 ft. G.C. mud - 62 ft. G.C. WATERY mud - 62 ft. G.C. muddy WATER - 124 ft. G.C. WATER

Reversed Out — Yes ✓ No Mud Type DRISPAC Premix Viscosity 40 Weight 9.3 Water Loss 10.4 cc. Chlorides 15,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. PIN Safety Joint ✓ Yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. —

Dual Packers ✓ Yes Did Packers Hold? Yes Did Tool Plug? NO Where? —

DRILLING CONTRACTOR H-30 Drlg Rig #5 Length Drill Pipe 3820 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe — ft. I.D. Weight Pipe — In. Tool Joint Size — In. Length Drill Collars 156 ~~214~~ ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4" H-90 In. Length D.S.T. Tool 94 ft.

Remarks

Chlorides checked:
Top 65,000 PPM
Middle 65,000 PPM
Bottom 85,000 PPM

INVOICE SECTION

Open Hole Test	$ 415.00
Straddle Test	$
Jars	$ 175.00
Selective Zone	$
Safety Joint	$ 30.00
Misrun	$
Evaluation	$
Packer	$
Circ. Sub.	$
	$
Total	$ 620.00

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By R W Dahlberg
Signature of Customer or his Authorized Representative

Western Representative Joe N. Lusk

Operator's Time Thanks Hon Hrs.

Phone 316 262-5861
316 838-0601

WESTERN TESTERS

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

No. 946

Date 9-30-77 Ticket 22739 Company TEXAS OIL & GAS CORP

Well Name and No. LENKNER #1 Dst No. 2 Interval Tested 4007-4070

County BARBER State KS. Sec. 28 Twp. 30S Rg. 13W.

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 SURF. 4 min.						**PRE FLOW**
712A	9 min	90"	3/4" ORFICE PLATE			134,000 C.F.T.P.D.
718A	14	40"	1" ORFICE PLATE.			163,000
723A	19	40"				163,000
728A	24	44"				171,000
733A	29	44"				171,000
						SECOND FLOW
839A	5 min	60"	1" ORFICE PLATE.			200,000 C.F.T.P.D
844A	10	60"				200,000
849A	15	60"				200,000
854A	20	58"				197,000
859A	25	58"				197,000
904A	30	58"				197,000
909A	35	58"				197,000
914A	40	58"				197,000
919A	45	58"				197,000

GAS BOTTLE

Serial No. 613. Date Bottle Filled 9-30-77 Date to be Invoiced 10-30-77

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 TXO.

Authorized by R W Dahlberg

FORM WTC 9

WESTERN TESTING CO., INC.

Pressure Data

te 9-30-77 Test Ticket No. 22739

corder No. 969 Capacity 4150 Location 4013 Ft.

ck No. 10168 Elevation 1915 Kelly Bushing Well Temperature 122 °F

int	Pressure			Time Given	Time Computed
Initial Hydrostatic Mud	1971 P.S.I.	Open Tool		7:02A M	
First Initial Flow Pressure	80 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
First Final Flow Pressure	80 P.S.I.	Initial Closed-in Pressure		60 Mins.	54 Mins.
Initial Closed-in Pressure	1323 P.S.I.	Second Flow Pressure		45 Mins.	45 Mins.
Second Initial Flow Pressure	111 P.S.I.	Final Closed-in Pressure		90 Mins.	87 Mins.
Second Final Flow Pressure	119 P.S.I.				
Final Closed-in Pressure	1316 P.S.I.				
Final Hydrostatic Mud	1939 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: 18 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.

int ins.		Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1	0	80	0	80	0	111	0	119
2	5	61	3	1179	5	96	3	1131
3	10	62	6	1226	10	96	6	1187
4	15	65	9	1243	15	97	9	1210
5	20	70	12	1253	20	100	12	1220
6	25	75	15	1261 [illegible]	25	104	15	1229
7	30	80	18	1271	30	106	18	1237
8	35		21	1280	35	112	21	1245
9	40		24	1284	40	117	24	1252
0	45		27	1291	45	119	27	1258
1	50		30	1295	50		30	1263
2	55		33	1299	55		33	1268
3	60		36	1304	60		36	1273
4			39	1308	65		39	1276
5			42	1313	70		42	1282
6			45	1316	75		45	1284
7			48	1318	80		48	1288
8			51	1320	85		51	1290
9			54	1323	90		54	1293
0			~~57~~ ~~60~~				57	1296
							60	1299

Contd on next page

WTC - 4

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. _____

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

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		0		0		~~0~~	
P 2 5		3		5		63	1302
P 3 10		6		10		66	1304
P 4 15		9		15		69	1306
P 5 20		12		20		72	1308
P 6 25		15		25		75	1310
P 7 30		18		30		78	1311
P 8 35		21		35		81	1313
P 9 40		24		40		84	1315
P10 45		27		45		87	1316
P11 50		30		50		90	
P12 55		33		55		33	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

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IK+ # 22739

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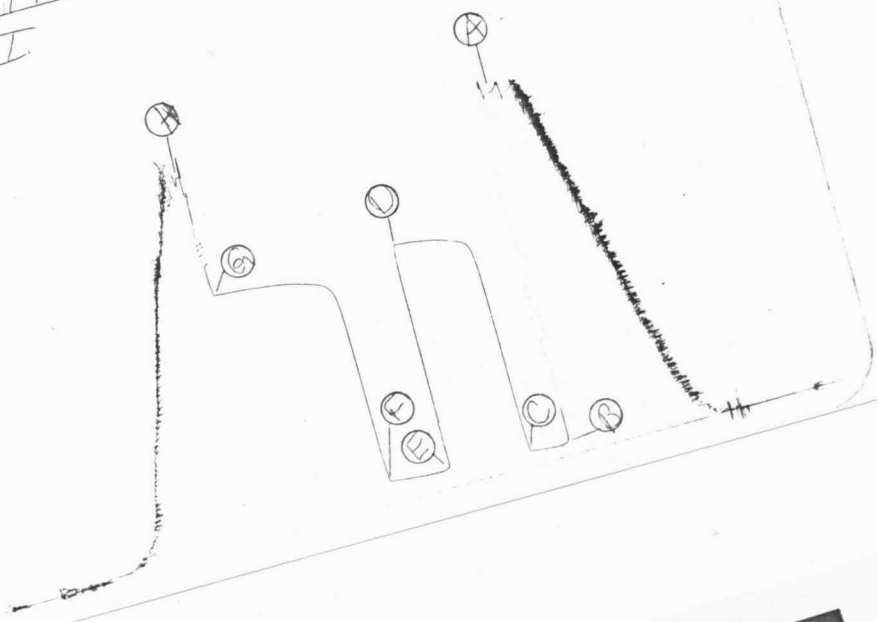


Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Oil & Gas Corp. Lease & Well No. Lenkner #1

Elevation 1915 Kelly Bush. Formation Lansing Effective Pay - Ft. Ticket No. 22739

Date 9-30-77 Sec. 28 Twp. 30S Range 13W County Barber State Kansas

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

Formation Test No. 2 O.K. X Misrun - Interval Tested From 4007' to 4070' Total Depth 4070'

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 4002 Ft. Size 6 3/4 Bottom Packer Depth 4007 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 63 Ft. Size 32-6¼OD 31-5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4013 Ft. Clock No. 10168 Depth 4016 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 7:02A M

Tool Open I.F.P. From 7:04A M. to 7:34A M. - Hr. 30 Min. From (B) 80 P.S.I. To (C) 80 P.S.I.

Tool Closed I.C.I.P. From 7:34A M. to 8:34A M. - Hr. 60 Min (D) 1323 P.S.I.

Tool Open F.F.P. From 8:34A M. to 9:19A M. - Hr. 45 Min. From (E) 111 P.S.I. To (F) 119 P.S.I.

Tool Closed F.C.I.P. From 9:19A M. to 10:59A M. - Hr. 90 Min. (G) 1316 P.S.I.

Initial Hydrostatic Pressure (A) 1971 P.S.I. Final Hydrostatic Pressure (H) 1939 P.S.I. Maximum Temp. 122

INFORMATION

BLOW Strong blow on initial flow period. Gas to surface in 4 minutes. See attatched sheet for gas measurements.

Did Well Flow - Yes X No Recovery Total Ft. 268' total recovery, 20' gas cut mud, 62' gas cut watery mud, 62' gas cut muddy water, 124' gas cut water.

Reversed Out - Yes X No Mud Type Premix Viscosity 40 Weight 9.3 Water Loss 10.4 cc. Chlorides 15,000 p.p.m.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes 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 Drlg. Rig #5 Length Drill Pipe? 3820 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 156 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4"H-90 Length D.S.T. Tool 94 Ft.

Remarks: Chlorides Checked: Top 65,000 p.p.m.
Middle 65,000 p.p.m.
Bottom 85,000 p.p.m.

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

GAS FLOW REPORT

Date 9-30-77 Ticket 22739 Company Texas Oil & Gas Corp.

Well Name and No. Lenkner #1 Dst No. 2 Interval Tested 4007' - 4070'

County Barber State Kansas Sec. 28 Twp. 30S Rg. 13W

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						
7:13AM	9 min.	90" of water		3/4" orifice		134,000 C.F.P.D.
7:18AM	14 min.	40" of water		1" orifice		163,000 C.F.P.D.
7:23AM	19 min.	40" of water		1" orifice		163,000 C.F.P.D
7:28AM	24 min.	44" of water		1" orifice		171,000 C.F.P.D.
7:33AM	29 min.	44" of water		1" orifice		171,000 C.F.P.D.
Gas to surface in 4 minutes.						
SECOND FLOW						
8:39AM	5 min.	60" of water		1" orifice		200,000 C.F.P.D.
8:44AM	10 min.	60" of water		1" orifice		200,000 C.F.P.D
8:49AM	15 min	60" of water		1" orifice		200,000 C.F.P.D.
8:54AM	20 min.	58" of water		1" orifice		197,000 C.F.P.D.
8:59AM	25 min.	58" of water		1" orifice		197,000 C.F.P.D.
9:04AM	30 min.	58" of water		1" orifice		197,000 C.F.P.D.
9:09AM	35 min.	58" of water		1" orifice		197,000 C.F.P.D.
9:14AM	40 min.	58" of water		1" orifice		197,000 C.F.P.D.
9:19AM	45 min.	58" of water		1" orifice		197,000 C.F.P.D.

GAS BOTTLE

Serial No. 613 Date Bottle Filled 9-30-77 Date to be Invoiced 9-30-77

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

WESTERN TESTING CO., INC.
Pressure Data

Date 9-30-77 Test Ticket No. 22739

Recorder No. 969 Capacity 4150 Location 4013 Ft.

Clock No. 10168 Elevation 1915 Kelly Bushing Well Temperature 122 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	1971	P.S.I.	Open Tool	7:02A	M		
B	First Initial Flow Pressure	80	P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	80	P.S.I.	Initial Closed-in Pressure	60	Mins.	54	Mins.
D	Initial Closed-in Pressure	1323	P.S.I.	Second Flow Pressure	45	Mins.	45	Mins.
E	Second Initial Flow Pressure	111	P.S.I.	Final Closed-in Pressure	90	Mins.	87	Mins.
F	Second Final Flow Pressure	119	P.S.I.					
G	Final Closed-in Pressure	1316	P.S.I.					
H	Final Hydrostatic Mud	1939	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	80
P 2 5	61
P 3 10	62
P 4 15	65
P 5 20	70
P 6 25	75
P 7 30	80
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	80
3	1179
6	1226
9	1243
12	1253
15	1261
18	1271
21	1280
24	1284
27	1291
30	1295
33	1299
36	1304
39	1308
42	1313
45	1316
48	1318
51	1320
54	1323

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

Point Minutes	Press.
0	111
5	96
10	96
15	97
20	100
25	104
30	106
35	112
40	117
45	119

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

Point Minutes	Press.
0	119
3	1131
6	1187
9	1210
12	1220
15	1229
18	1237
21	1245
24	1252
27	1258
30	1263
33	1268
36	1273
39	1276
42	1282
45	1284
48	1288
51	1290
54	1293
57	1296

Cont. on next page

WESTERN TESTING CO., INC.
Pressure Data

Date 9-30-77 Test Ticket No. 22739

Recorder No. 969 Capacity 4150 Location 4013 Ft.

Clock No. 10168 Elevation 1915 Kelly Bushing Well Temperature 122 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1971	P.S.I.
B	First Initial Flow Pressure	80	P.S.I.
C	First Final Flow Pressure	80	P.S.I.
D	Initial Closed-in Pressure	1323	P.S.I.
E	Second Initial Flow Pressure	111	P.S.I.
F	Second Final Flow Pressure	119	P.S.I.
G	Final Closed-in Pressure	1316	P.S.I.
H	Final Hydrostatic Mud	1939	P.S.I.

	Time Given	Time Computed
Open Tool	7:02A M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	54 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	90 Mins.	87 Mins.

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 18 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	1299
P 2						63	1302
P 3						66	1304
P 4						69	1306
P 5						72	1308
P 6						75	1310
P 7						78	1311
P 8						81	1313
P 9						84	1315
P10						87	1316
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WESTERN TESTERS

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET 22740

Hubite 1 orange

Formation LANSING Elevation 1915 KB Eff. Pay _____ Ft.

District PRATT Date 10-1-77 Customer Order No. _____

COMPANY NAME TEXAS OIL & GAS CORP

ADDRESS 200 W. Douglas Suite 300 Wichita, Ks. 67202

LEASE AND WELL NO. LENKNER #1 COUNTY BARBER STATE KS Sec. 28 Twp. 30S Rge. 13W

Mail Inv. To _____ No. Copies Requested Reg

Co. Name Address

Mail Charts To _____ No. Copies Requested _____

Address

Formation Test No. 3 O.K. ~~4~~ Misrun — Interval Tested From 4077' to 4150' Total Depth 4150'

Size Main Hole 7 7/8 Rat Hole — Conv. ✓ B.T. — Damaged — Yes ✓ No Conv. — B.T. ✓ Damaged — Yes ✓ No

Top Packer Depth 4065 Ft. Size 6 3/4 Bottom Packer Depth 4077 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 73' Ft. Size 6 3/4 - 6 5/8 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4082 Ft. Clock No. 10168 Depth 4085 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 7 29 A M

Tool Open I.F.P. From 7 31 A M. to 8 01 A M. Hr. 30 Min. From (B) 184 181 P.S.I. To (C) 563 588 P.S.I.

Tool Closed I.C.I.P. From 8 01 A M. to 9 01 A M. 1 Hr. 00 Min. (D) 1,497 1494 P.S.I.

Tool Open F.F.P. From 9 01 A M. to 9 46 A M. Hr. 45 Min. From (E) 651 639 P.S.I. To (F) 1,024 1002 P.S.I.

Tool Closed F.C.I.P. From 9 46 A M. to 11 16 A M. 1 Hr. 30 Min. (G) 1,497 1500 P.S.I.

Initial Hydrostatic Pressure (A) 2,000 P.S.I. 1998 Final Hydrostatic Pressure (H) 2,000 P.S.I. 1998 Maximum Temp. 125°

INFORMATION

BLOW STRONG BLOW THRU OUT TEST

Did Well Flow — Yes ✓ No Recovery Total Ft. 2046 ft. - 186 ft. muddy WATER. - 1860 ft. WATER.

Reversed Out — Yes ✓ No Mud Type DRISPAC PREMIX Viscosity 42 Weight 9.1 Water Loss 16.0 cc. Chlorides 20,000 p.p.m.

EXTRA EQUIPMENT: Type Circ. Sub. PIF Safety Joint ✓ Jars: Size 4 1/2 OD Make WTC Ser. No. —

Dual Packers ✓ Did Packers Hold? YES Did Tool Plug? NO Where? _____

DRILLING CONTRACTOR H-30 DRLG - Rig #5 Length Drill Pipe 3915 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe — ft. I.D. Weight Pipe — In. Tool Joint Size — In. Length Drill Collars 125 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 IF-90 In. Length D.S.T. Tool 110 ft.

Remarks REVERSE OUT. SALT WATER.

CHLORIDES CHECKED:
TOP 90,000 PPM
MIDDLE 85,000 PPM
BOTTOM 120,000 PPM

INVOICE SECTION

Open Hole Test	$ 415.00
Straddle Test	$
Jars	$ 125.00
Selective Zone	$
Safety Joint	$ 30.00
Misrun	$
Evaluation	$
Packer	$
Circ. Sub.	$ 20.00
	$
Total	$ 640.00

Disc 12.80

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Richard Hamm
Signature of Customer or his Authorized Representative

Western Representative Joe N. Lusk

Operator's Time Thanks Don Hrs.

WESTERN TESTING CO., INC.

Pressure Data

Date 10-1-77 Test Ticket No. 22740

Recorder No. 969 Capacity 4150 Location 4082 Ft.

Clock No. 10168 Elevation 1915 Kelly Bushing Well Temperature 125 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1998	P.S.I.		
B	First Initial Flow Pressure	181	P.S.I.	Open Tool 7:29A M	
C	First Final Flow Pressure	588	P.S.I.	First Flow Pressure 30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1494	P.S.I.	Initial Closed-in Pressure 60 Mins.	60 Mins.
E	Second Initial Flow Pressure	639	P.S.I.	Second Flow Pressure 45 Mins.	45 Mins.
F	Second Final Flow Pressure	1002	P.S.I.	Final Closed-in Pressure 90 Mins.	90 Mins.
G	Final Closed-in Pressure	1500	P.S.I.		
H	Final Hydrostatic Mud	1998	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	181
P 2	5	244
P 3	10	326
P 4	15	408
P 5	20	480
P 6	25	543
P 7	30	588
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
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	588
3	1336
6	1398
9	1421
12	1437
15	1450
18	1458
21	1463
24	1469
27	1473
30	1477
33	1480
36	1484
39	1486
42	1488
45	1490
48	1491
51	1493
54	1494
57	1494
60	1494

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

Point Minutes	Press.
0	639
5	677
10	730
15	782
20	830
25	877
30	913
35	951
40	986
45	1002
50	
55	
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 30 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	1002
3	1397
6	1430
9	1444
12	1454
15	1461
18	1466
21	1469
24	1472
27	1475
30	1478
33	1481
36	1482
39	1485
42	1487
45	1488
48	1489
51	1490
54	1491
57	1492
60	1493

Contd on next page

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. _____

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

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

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

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

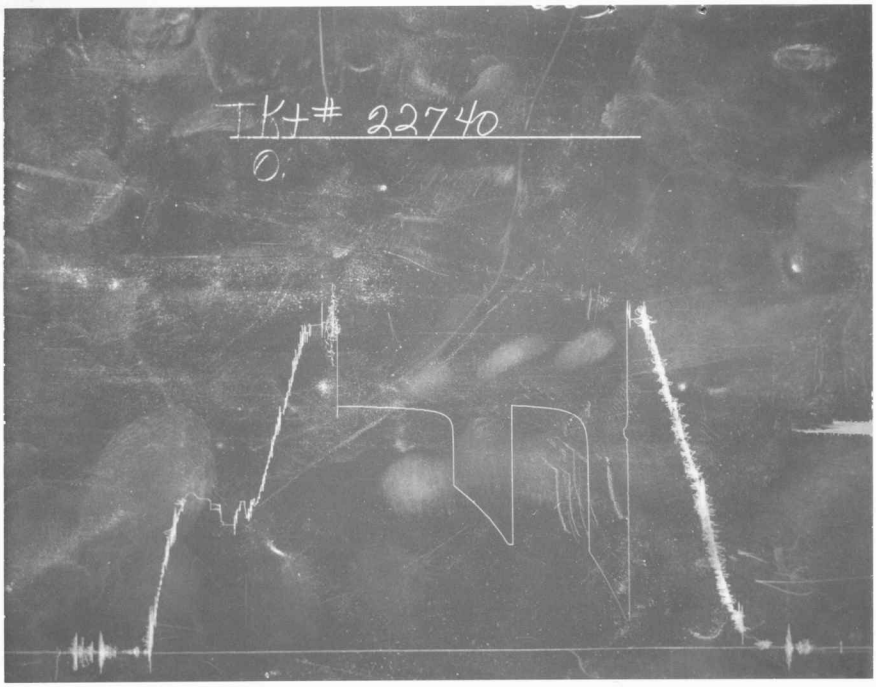
Point Minutes	Press.
0	
3	
6	
9	
12	
15	
18	
21	
24	
27	
30	
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

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

Point Minutes	Press.
0	
5	
10	
15	
20	
25	
30	
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	

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

Point Minutes	Press.
0	[illegible]
63	1493
66	1494
69	1494
72	1495
75	1495
78	1496
81	1497
84	1498
87	1499
90	1500
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	


IK+# 22740
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Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Oil & Gas Corp. Lease & Well No. Lenkner #1

Elevation 1915 Kelly Bush. Formation Lansing Effective Pay - Ft. Ticket No. 22740

Date 10-1-77 Sec. 28 Twp. 30S Range 13W County Barber State Kansas

Test Approved by Richard Hamm Western Representative Joe N. Lusk

Formation Test No. 3 O.K. X Misrun + - Interval Tested From 4077' to 4150' Total Depth 4150'

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 4065 Ft. Size 6 3/4 Bottom Packer Depth 4077 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 73 Ft. Size 63 - 6¼OD 9 - 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4082 Ft. Clock No. 10168 Depth 4085 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 7:29A M

Tool Open I.F.P. From 7:31A M. to 8:01 M. - Hr. 30 Min. From (B) 181 P.S.I. To (C) 588 P.S.I.

Tool Closed I.C.I.P. From 8:01 M. to 9:01 M. - Hr. 60 Min (D) 1494 P.S.I.

Tool Open F.F.P. From 9:01 M. to 9:46 M. - Hr. 45 Min. From (E) 639 P.S.I. To (F) 1002 P.S.I.

Tool Closed F.C.I.P. From 9:46 M. to 11:16 M. - Hr. 90 Min. (G) 1500 P.S.I.

Initial Hydrostatic Pressure (A) 1998 P.S.I. Final Hydrostatic Pressure (H) 1998 P.S.I. Maximum Temp. 125

INFORMATION

BLOW Strong blow throughout test.

Did Well Flow - Yes X No Recovery Total Ft. 2046' total recovery, 186' muddy water, 1860' water.

Reversed Out - Yes X No Mud Type Premix Viscosity 42 Weight 9.1 Water Loss 16.0 cc. Chlorides 20,000 p.p.m.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes 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 Drlg Rig #5 Length Drill Pipe? 3915 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 125 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4"H-90 In. Length D.S.T. Tool 110 Ft.

Remarks: Reverse out, salt water. Chlorides Checked: Top 90,000 p.p.m.
Middle 85,000 p.p.m.
Bottom 120,000 p.p.m.

WESTERN TESTING CO., INC.
Pressure Data

ıte 10-1-77 Test Ticket No. 22740

corder No. 969 Capacity 4150 Location 4082 Ft.

ock No. 10168 Elevation 1915 Kelly Bushing Well Temperature 125 °F

int	Pressure			Time Given	Time Computed
Initial Hydrostatic Mud	1998 P.S.I.	Open Tool		7:29A M	
First Initial Flow Pressure	181 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
First Final Flow Pressure	588 P.S.I.	Initial Closed-in Pressure		60 Mins.	60 Mins.
Initial Closed-in Pressure	1494 P.S.I.	Second Flow Pressure		45 Mins.	45 Mins.
Second Initial Flow Pressure	639 P.S.I.	Final Closed-in Pressure		90 Mins.	90 Mins.
Second Final Flow Pressure	1002 P.S.I.				
Final Closed-in Pressure	1500 P.S.I.				
Final Hydrostatic Mud	1998 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: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

oint ins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1 0	181	0	588	0	639	0	1002
2 5	244	3	1336	5	677	3	1397
3 10	326	6	1398	10	730	6	1430
4 15	408	9	1421	15	782	9	1444
5 20	480	12	1437	20	830	12	1454
6 25	543	15	1450	25	877	15	1461
7 30	588	18	1458	30	913	18	1466
8		21	1463	35	951	21	1469
9		24	1469	40	986	24	1472
0		27	1473	45	1002	27	1475
1		30	1477			30	1478
2		33	1480			33	1481
3		36	1484			36	1482
4		39	1486			39	1485
5		42	1488			42	1487
6		45	1490			45	1488
7		48	1491			48	1489
8		51	1493			51	1490
9		54	1494			54	1491
0		57	1494			57	1492
		60	1494				

Cont. on next page

WESTERN TESTING CO., INC.

Pressure Data

Date 10-1-77 Test Ticket No. 22740

Recorder No. 969 Capacity 4150 Location 4082 Ft.

Clock No. 10168 Elevation 1915 Kelly Bushing Well Temperature 125 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1998 P.S.I.	Open Tool		7:29A M	
B	First Initial Flow Pressure	181 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	588 P.S.I.	Initial Closed-in Pressure		60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1494 P.S.I.	Second Flow Pressure		45 Mins.	45 Mins.
E	Second Initial Flow Pressure	639 P.S.I.	Final Closed-in Pressure		90 Mins.	90 Mins.
F	Second Final Flow Pressure	1002 P.S.I.				
G	Final Closed-in Pressure	1500 P.S.I.				
H	Final Hydrostatic Mud	1998 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	
P 2	
P 3	
P 4	
P 5	
P 6	
P 7	
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.

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

Point Minutes	Press.

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
60	1493
63	1493
66	1494
69	1494
72	1495
75	1495
78	1496
81	1497
84	1498
87	1499
90	1500

WESTERN TESTING CO., INC.
FORMATION TESTING
TICKET 22741

P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

White / orange

Formation ~~D~~ LANSING Elevation 1915 KB Eff. Pay ____ Ft.

District PRATT Date 10-3-77 Customer Order No. ____

COMPANY NAME TEXAS OIL & GAS Corp

ADDRESS 200 W. Douglas Suite 300 Wichita, Ks. 67202

LEASE AND WELL NO. LENKNER #1 COUNTY BARBER STATE KS. Sec 28 Twp 30S Rge 13W

Mail Inv. To ____ Co. Name ____ Address ____ No. Copies Requested Reg.

Mail Charts To ____ Address ____ No. Copies Requested ____

Formation Test No. 4 O.K. ✓ Misrun — Interval Tested From 4158' to 4177' Total Depth 4177'

Size Main Hole 7 7/8 Rat Hole — Conv. ✓ B.T. — Damaged — Yes ✓ No Conv. — B.T. ✓ Damaged — Yes ✓ No

Top Packer Depth 4153 Ft. Size 6 3/4 Bottom Packer Depth 4158 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 19 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth ~~4~~ 4165 Ft. Clock No. 10168 Depth 4168 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 9:53 A M.

Tool Open I.F.P. From	9:53 A M.	to	10:23 A M.	Hr. 30	Min. From (B)	61 74 P.S.I.	To (C) 61 62 P.S.I.
Tool Closed I.C.I.P. From	10:23 A M.	to	11:25 A M.	1 Hr. 00	Min. (D)	1,312 1322 P.S.I.	
Tool Open F.F.P. From	11:25 A M.	to	12:30 P M.	Hr. 45	Min. From (E)	61 88 P.S.I.	To (F) 81 86 P.S.I.
Tool Closed F.C.I.P. From	12:30 P M.	to	1:40 P M.	1 Hr. 30	Min. (G)	1,312 1327 P.S.I.	

Initial Hydrostatic Pressure (A) 2,010 P.S.I. 2038 Final Hydrostatic Pressure (H) 2,010 P.S.I. 2036 Maximum Temp. 120°

INFORMATION

BLOW STRONG BLOW I.F.P. - GAS TO SURF 10 MIN - SO & ATTACHED SHOE

Did Well Flow — Yes ✓ No Recovery Total Ft. 190 ft. - 66 ft. WATERY MUD - 124 ft. WATER

Reversed Out — Yes ✓ No Mud Type DRSAAC premix Viscosity 42 Weight 9.3 Water Loss 15.6 cc. Chlorides 25,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. PIN Safety Joint ✓ Jars: Size 4 1/2 OA In. Make WTC Ser. No. —

Dual Packers ✓ Did Packers Hold? Yes Did Tool Plug? NO Where? —

DRILLING CONTRACTOR H-30 Drlg Rig #5 Length Drill Pipe 4002 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe — ft. I.D. Weight Pipe — In. Tool Joint Size — In. Length Drill Collars 125 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4" H-90 In. Length D.S.T. Tool 50 ft.

Remarks chlorides

Top 35 000 PPM.
middle 70,000 PPM.
Bottom 55,000 PPM.

INVOICE SECTION

Open Hole Test	$ 415.00
Straddle Test	$
Jars	$ 175.00
Selective Zone	$
Safety Joint	$ 30.00
Misrun	$
Evaluation	$
Packer	$
Circ. Sub.	$
	$
Total	$ 620.00

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Disc 12.40

Test Approved By Richard Hammel
Signature of Customer or his Authorized Representative

Western Representative Joe T. Lusk

~~Operator's Time~~ Thank You

Phone 316 262-5861
316 838-0601

WESTERN TESTERS

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

No. 947

Date 10-2-77 Ticket 22741 Company TEXAS OIL & GAS CORP

Well Name and No. LENKNER #1 Dst No. 4 Interval Tested 4158-4177

County BARBER State KS Sec. 28 Twp. 30S Rg. 12W.

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 SURF 10 min.						**PRE FLOW**
10 10 A	15 MIN	64" of water	1/2"	ORFICE	PLATE	50,200 CU. FT. P.D
10 15 A	20 "	54"		"		46,100 "
10 20 A	25 "	48"		"		43,400 "
10 25 A	30 MIN	44"		"		41,600 "
						SECOND FLOW
11 30 A	5 MIN	28" of water	3/4"	ORFICE	PLATE	75,100 CU. FT. P.D
11 35 A	10	38"	1/2"	"	"	38,600
11 40 A	15	26"				31,900
11 45 A	20	24"				30,700
11 50 A	25	24"				30,700
11 55 A	30	24"				30,700
12 00 N	35	24"				30,700
12 05 P	40	14"				23,700
12 10 A	45	12"				22,800

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 TXO

Authorized by

FORM WTC 9

WESTERN TESTING CO., INC.

Pressure Data

Date 10-2-77 Test Ticket No. 22741

Recorder No. 969 Capacity 4150 Location 4165 Ft.

Clock No. 10168 Elevation 1915 Kelly Bushing Well Temperature 120 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	2038	P.S.I.	Open Tool	9:53A	M		
B	First Initial Flow Pressure	74	P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	62	P.S.I.	Initial Closed-in Pressure	60	Mins.	54	Mins.
D	Initial Closed-in Pressure	1322	P.S.I.	Second Flow Pressure	45	Mins.	45	Mins.
E	Second Initial Flow Pressure	88	P.S.I.	Final Closed-in Pressure	90	Mins.	87	Mins.
F	Second Final Flow Pressure	86	P.S.I.					
G	Final Closed-in Pressure	1327	P.S.I.					
H	Final Hydrostatic Mud	2036	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	74
P 2	5	60
P 3	10	59
P 4	15	59
P 5	20	61
P 6	25	62
P 7	30	62
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 18 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	62
3	516
6	955
9	1123
12	1194
15	1228
18	1251
21	1265
24	1276
27	1287
30	1294
33	1301
36	1305
39	1310
42	1315
45	1317
48	1320
51	1322
54	1322
57	
60	

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

Point Minutes	Press.
0	88
5	68
10	66
15	66
20	71
25	74
30	78
35	80
40	84
45	86
50	
55	
60	
65	
70	
75	
80	
85	
90	

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

Point Minutes	Press.
0	86
3	348
6	783
9	1014
12	1111
15	1155
18	1180
21	1199
24	1214
27	1225
30	1236
33	1245
36	1255
39	1261
42	1267
45	1274
48	1280
51	1285
54	1289
57	1294
60	1298

Cont'd on next page

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. _____

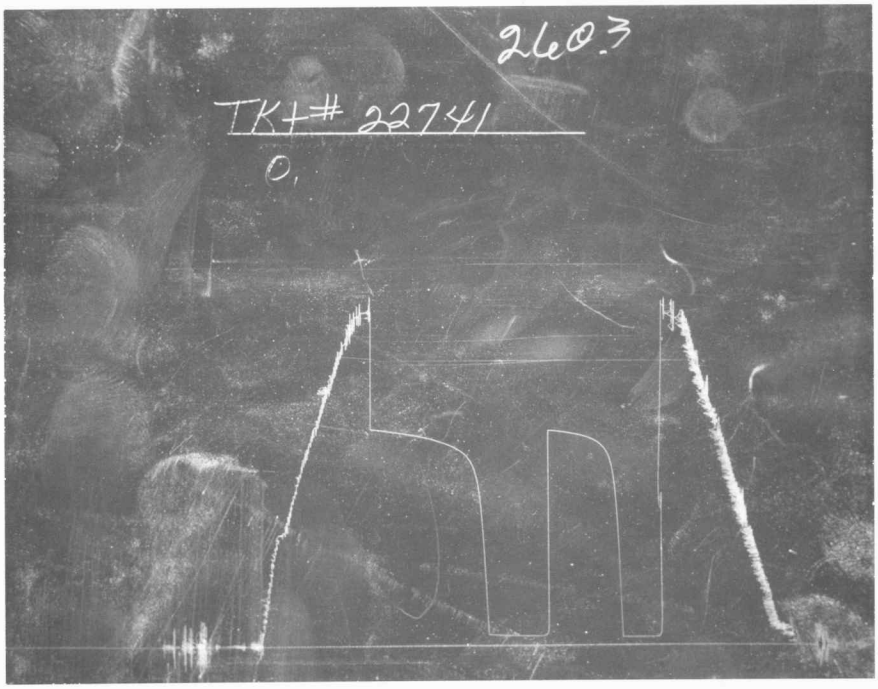
Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

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		0		0		0	
P 2 5		3		5		63	1302
P 3 10		6		10		66	1306
P 4 15		9		15		69	1309
P 5 20		12		20		72	1313
P 6 25		15		25		75	1317
P 7 30		18		30		78	1319
P 8 35		21		35		81	1321
P 9 40		24		40		84	1325
P10 45		27		45		87	1327
P11 50		30		50		90	
P12 55		33		55		93	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	


2603
TK# 22741
0.

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

Company Texas Oil & Gas Corp. Lease & Well No. Lenkner #1

Elevation 1915 Kelly Bush. Formation Lansing Effective Pay - Ft. Ticket No. 22741

Date 10-2-77 Sec. 28 Twp. 30S Range 13W County Barber State Kansas

Test Approved by Richard Hamm Western Representative Joe N. Lusk

Formation Test No. 4 O.K. X Misrun - Interval Tested From 4158' to 4177' Total Depth 4177'

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 4153 Ft. Size 6 3/4 Bottom Packer Depth 4158 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 19 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4165 Ft. Clock No. 10168 Depth 4168 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 9:53A M

Tool Open I.F.P. From 9:55A M. to 10:25A M. - Hr. 30 Min. From (B) 74 P.S.I. To (C) 62 P.S.I.

Tool Closed I.C.I.P. From 10:25A M. to 11:25A M. - Hr. 60 Min (D) 1322 P.S.I.

Tool Open F.F.P. From 11:25A M. to 12:10P M. - Hr. 45 Min. From (E) 88 P.S.I. To (F) 86 P.S.I.

Tool Closed F.C.I.P. From 12:10P M. to 1:40P M. - Hr. 90 Min. (G) 1327 P.S.I.

Initial Hydrostatic Pressure (A) 2038 P.S.I. Final Hydrostatic Pressure (H) 2036 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Strong blow on initial flow period. Gas to surface in 10 minutes. See attached sheet for gas measurements.

Did Well Flow - Yes X No Recovery Total Ft. 190' total recovery, 66' watery mud, 124' water.

Reversed Out - Yes X No Mud Type Premix Viscosity 42 Weight 9.3 Water Loss 15.6 cc. Chlorides 25,000 p.p.m.

EXTRA EQUIPMENT: Type Circ. Sub. PIn Safety Joint YEs 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 Drlg Rig #5 Length Drill Pipe? 4002 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 125 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4"H-90 In. Length D.S.T. Tool 50 Ft.

Remarks: Chlorides Checked: Top 35,000 p.p.m.
Middle 70,000 p.p.m.
Bottom 55,000 p.p.m.

WESTERN TESTERS

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

GAS FLOW REPORT

Date 10-2-77 Ticket 22741 Company Texas Oil & Gas Corp.

Well Name and No. Lenkner #1 Dst No. 4 Interval Tested 4158' - 4177'

County Barber State Kansas Sec. 28 Twp. 30S Rg. 13W

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						
10:10AM	15 min.	64" of water		½" orifice		50,200 C.F.P.D.
10:15AM	20 min.	54" of water		½" orifice		46,100 C.F.P.D.
10:20AM	25 min.	48" of water		½" orifice		43,400 C.F.P.D.
10:25AM	30 min.	44" of water		½" orifice		41,600 C.F.P.D.
Gas to surface in 10 minutes.						
SECOND FLOW						
11:30AM	5 min.	28" of water		3/4" orifice		75,100 C.F.P.D.
11:35AM	10 min.	38" of water		½" orifice		38,600 C.F.P.D.
11:40AM	15 min.	26" of water		½" orifice		31,900 C.F.P.D.
11:45AM	20 min.	24" of water		½" orifice		30,700 C.F.P.D.
11:50AM	25 min.	24" of water		½" orifice		30,700 C.F.P.D.
11:55AM	30 min.	24" of water		½" orifice		30,700 C.F.P.D.
12:00N	35 min.	24" of water		½" orifice		30,700 C.F.P.D.
12:05PM	40 min.	14" of water		½" orifice		23,700 C.F.P.D.
12:10PM	45 min.	12" of water		½" orifice		22,800 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 Richard Hamm

WESTERN TESTING CO., INC.

Pressure Data

Date 10-2-77 Test Ticket No. 22741

Recorder No. 969 Capacity 4150 Location 4165 Ft.

Clock No. 10168 Elevation 1915 Kelly Bushing Well Temperature 120 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2038	P.S.I.	Open Tool	9:53A M	
B	First Initial Flow Pressure	74	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	62	P.S.I.	Initial Closed-in Pressure	60 Mins.	54 Mins.
D	Initial Closed-in Pressure	1322	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	88	P.S.I.	Final Closed-in Pressure	90 Mins.	87 Mins.
F	Second Final Flow Pressure	86	P.S.I.			
G	Final Closed-in Pressure	1327	P.S.I.			
H	Final Hydrostatic Mud	2036	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	74
P 2	5	60
P 3	10	59
P 4	15	59
P 5	20	61
P 6	25	62
P 7	30	62
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
	0	62
	3	516
	6	955
	9	1123
	12	1194
	15	1228
	18	1251
	21	1265
	24	1276
	27	1287
	30	1294
	33	1301
	36	1305
	39	1310
	42	1315
	45	1317
	48	1320
	51	1322
	54	1322

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

Point	Minutes	Press.
	0	88
	5	68
	10	66
	15	66
	20	71
	25	74
	30	78
	35	80
	40	84
	45	86

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

Point	Minutes	Press.
	0	86
	3	348
	6	783
	9	1014
	12	1111
	15	1155
	18	1180
	21	1199
	24	1214
	27	1225
	30	1236
	33	1245
	36	1255
	39	1261
	42	1267
	45	1274
	48	1280
	51	1285
	54	1289
	57	1294

Cont. on next page

WESTERN TESTING CO., INC.

Pressure Data

Date 10-2-77 Test Ticket No. 22741

Recorder No. 969 Capacity 4150 Location 4165 Ft

Clock No. 10168 Elevation 1915 Kelly Bushing Well Temperature 120 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2038 P.S.I.		Open Tool	9:53A M	
B	First Initial Flow Pressure	74 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	62 P.S.I.		Initial Closed-in Pressure	60 Mins.	54 Mins.
D	Initial Closed-in Pressure	1322 P.S.I.		Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	88 P.S.I.		Final Closed-in Pressure	90 Mins.	87 Mins.
F	Second Final Flow Pressure	86 P.S.I.				
G	Final Closed-in Pressure	1327 P.S.I.				
H	Final Hydrostatic Mud	2036 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: 18 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	1298
P 2						63	1302
P 3						66	1306
P 4						69	1309
P 5						72	1313
P 6						75	1317
P 7						78	1319
P 8						81	1321
P 9						84	1325
P10						87	1327
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WESTERN TESTERS

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET 22742

Formation BASE LANSING Elevation 1915 KB Eff. Pay _____ Ft.

District PRATT Date 10-3-77 Customer Order No. _____

COMPANY NAME TEXAS OIL & GAS CORP

ADDRESS _____

LEASE AND WELL NO. LENKNER #1 COUNTY BARBER STATE KS. Sec 28 Twp 30S Rge 13W

Mail Inv. To _____ No. Copies Requested Reg 4

Co. Name Address

Mail Charts To _____ No. Copies Requested _____

Address

Formation Test No. 5 O.K. ✓ Misrun — Interval Tested From 4250 to 4288 Total Depth 4288

Size Main Hole 7 7/8 Rat Hole — Conv. ✓ B.T. — Damaged — Yes ✓ No Conv. — B.T. ✓ Damaged — Yes ✓ No

Top Packer Depth 4245 Ft. Size 6 3/4 Bottom Packer Depth 4250 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 38 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4157 Ft. Clock No. 10168 Depth 4160 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 ~~2:00~~ 10:00 P M

Tool Open I.F.P. From 10:00 P M. to 1:38 P M. Hr. 30 Min. From (B) 81 92 P.S.I. To (C) 71 77 P.S.I.

Tool Closed I.C.I.P. From 1:38 P M. to 2:38 P M. Hr. 1 00 Min. (D) 1,497 1619 P.S.I.

Tool Open F.F.P. From 2:38 P M. to ~~3:38~~ P M. Hr. 1 00 Min. From (E) 71 ~~78~~ P.S.I. To (F) 61 70 P.S.I.

Tool Closed F.C.I.P. From ~~3:38~~ P M. to ~~4:38~~ 5:38 P M. Hr. 2 00 Min. (G) 1,508 1546 P.S.I.

Initial Hydrostatic Pressure (A) 2,063 P.S.I. 2091 Final Hydrostatic Pressure (H) 2,063 2084 P.S.I. Maximum Temp. 124°

INFORMATION

BLOW STRONG BLOW I.F.P. - GAS TO SURF. 5 MIN - SEE ATTACHED SHEET

Did Well Flow — Yes ✓ No Recovery Total Ft. 174 ft - 50 ft. GAS CUT MUD. 62 ft. GAS CUT WATERY MUD - 62 ft. MUDDY WATER.

Reversed Out — Yes ✓ No Mud Type DRISPAC premix Viscosity 48 Weight 9.3 Water Loss 20.0 cc. Chlorides 21,500

EXTRA EQUIPMENT: Type Circ. Sub. PIN Safety Joint ✓ Jars: Size 4 1/2 OD Make WT Ser. No. —

Dual Packers ✓ Did Packers Hold? YES Did Tool Plug? NO Where? —

DRILLING CONTRACTOR H-30 DELG RIG #5 Length Drill Pipe 4098 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe — ft. I.D. Weight Pipe — In. Tool Joint Size — In. Length Drill Collars 125 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4" H-90 In. Length D.S.T. Tool 65 ft.

Remarks

Chlorides

Top 40,000 PPM.

Middle 52,000 PPM.

Bottom 82,000 PPM.

INVOICE SECTION

Open Hole Test	$ 415.00
Straddle Test	$
Jars	$ 175.00
Selective Zone	$
Safety Joint	$ 30.00
Misrun	$
Evaluation	$
Packer	$
Circ. Sub.	$
	$
Total	$ 620.00

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Richard Hamm
Signature of Customer or his Authorized Representative

Western Representative Joe M. Lusk

~~Operator's Time~~ Thanks Hrs.

Phone 316 262-5861
316 838-0601

WESTERN TESTERS

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

No. 948

Date 10-3-77 Ticket 22742 Company TEXAS OIL & GAS CORP

Well Name and No. LENKNER #1 Dst No. 5 Interval Tested 4250-4288

County BARBER State KS. Sec. 28 Twp. 30S Rg. 13W.

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 SURF. IN 5 MIN						**PRE FLOW**
118P	10 MIN	46"	1" ORFICE	PLATE		175,000 C.F.T.P.D
123P	15 "	46"		"		175,000 "
128P	20 "	44"		"		171,000 "
133P	25 "	42"		"		167,000 "
138P	30 "	40"		"		163,000 "
						SECOND FLOW
243P	5 MIN	58"	1" ORFICE	PLATE.		197,000 C.F.T.P.D
248P	10	46"				175,000
253P	15	40"				163,000
258P	20	38"				154,000
303P	25	34"				151,000
308P	30	32"				146,000
313P	35	30"				141,000
318P	40	28"				137,000
323P	45	26"				132,000
328P	50	24"				126,000
333P	55	24"				126,000
338P	60.	24"				126,000

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 TXO

Authorized by _____

FORM WTC 9

WESTERN TESTING CO., INC.
Pressure Data

Date 10-3-77 Test Ticket No. 22742

Recorder No. 969 Capacity 4150 Location 4157 Ft.

Clock No. 10168 Elevation 1915 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	2091 P.S.I.	Open Tool	1:06P M	
First Initial Flow Pressure	92 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
First Final Flow Pressure	72 P.S.I.	Initial Closed-in Pressure	60 Mins.	54 Mins.
Initial Closed-in Pressure	1519 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
Second Initial Flow Pressure	88 P.S.I.	Final Closed-in Pressure	120 Mins.	117 Mins.
Second Final Flow Pressure	70 P.S.I.			
Final Closed-in Pressure	1546 P.S.I.			
Final Hydrostatic Mud	2084 ~~2113~~ P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
1 0	92
2 5	84
3 10	78
4 15	76
5 20	74
6 25	72
7 30	72
8 35	
9 40	
0 45	
1 50	
2 55	
3 60	
4	
5	
6	
7	
8	
9	
0	

Initial Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	72
3	1257
6	1389
9	1410
12	1423
15	1434
18	1446
21	1457
24	1464
27	1471
30	1479
33	1486
36	1493
39	1498
42	1502
45	1507
48	1514
51	1518
54	1519
57	
60	

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

Point Minutes	Press.
0	88
5	70
10	68
15	67
20	67
25	67
30	66
35	66
40	66
45	68
50	70
55	70
60	70
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 39 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	70
3	1248
6	1309
9	1331
12	1349
15	1364
18	1378
21	1393
24	1405
27	1417
30	1427
33	1436
36	1444
39	1453
42	1460
45	1465
48	1472
51	1477
54	1482
57	1488
~~60~~	

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. _____

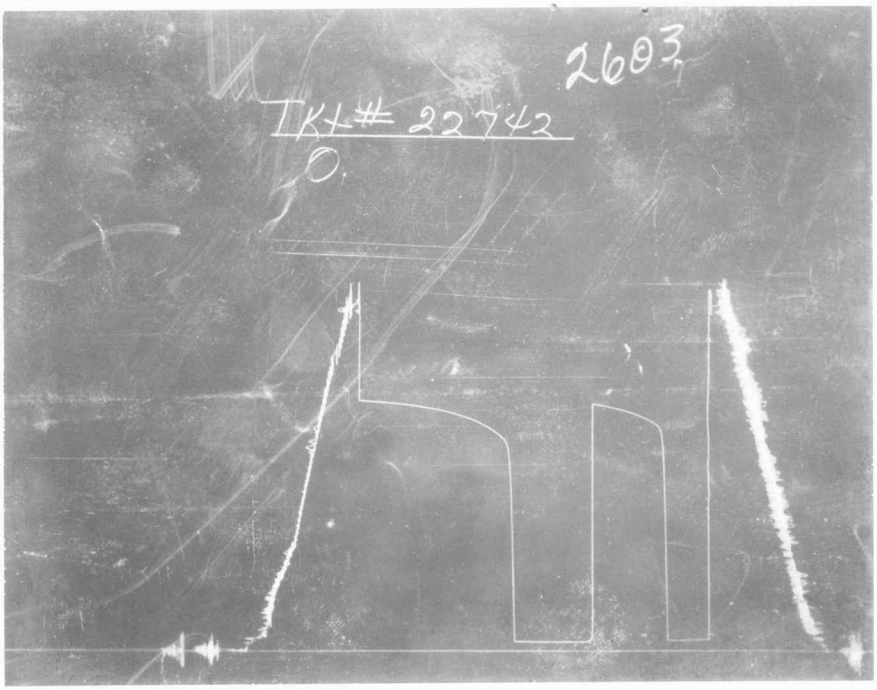
Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

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		0		0		60	1493
P 2 5		3		5		63	1496
P 3 10		6		10		66	1502
P 4 15		9		15		69	1504
P 5 20		12		20		72	1508
P 6 25		15		25		75	1513
P 7 30		18		30		78	1516
P 8 35		21		35		81	1520
P 9 40		24		40		84	1522
P10 45		27		45		87	1525
P11 50		30		50		90	1528
P12 55		33		55		93	1530
P13 60		36		60		96	1532
P14		39		65		99	1536
P15		42		70		102	1538
P16		45		75		105	1540
P17		48		80		108	1542
P18		51		85		110	1543
P19		54		90		114	1545
P20		57				117	1546
		60				120	


2603
TK# 22742
O.

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

Company Texas Oil & Gas Corp. Lease & Well No. Lenkner #1

Elevation 1915 Kelly Bush. Formation Lansing Base Effective Pay - Ft. Ticket No. 22742

Date 10-3-77 Sec. 28 Twp. 30S Range 13W County Barber State Kansas

Test Approved by Richard Hamm Western Representative Joe Lusk

Formation Test No. 5 O.K. X Misrun - Interval Tested From 4250' to 4288' Total Depth 4288'

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 4245 Ft. Size 6 3/4 Bottom Packer Depth 4250 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 38 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4157 Ft. Clock No. 10168 Depth 4160 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 1:06P. M

Tool Open I.F.P. From 1:08P. M. to 1:38P M. - Hr. 30 Min. From (B) 92 P.S.I. To (C) 72 P.S.I.

Tool Closed I.C.I.P. From 1:38P M. to 2:38P M. - Hr. 60 Min (D) 1519 P.S.I.

Tool Open F.F.P. From 2:38P M. to 3:38P M. - Hr. 60 Min. From (E) 88 P.S.I. To (F) 70 P.S.I.

Tool Closed F.C.I.P. From 3:38P M. to 5:38P M. - Hr. 120 Min. (G) 1546 P.S.I.

Initial Hydrostatic Pressure (A) 2091 P.S.I. Final Hydrostatic Pressure (H) 2084 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Strong blow on initial flow period. Gas to surface in 5 minutes, see attached sheet for gas measurements.

Did Well Flow - Yes X No Recovery Total Ft. 174' total recovery. 50' of gas cut mud, 62' of gas cut watery mud, 62' of muddy water.

Reversed Out - Yes X No Mud Type Drispac premix Viscosity 48 Weight 9.3 Water Loss 20.0 cc. Chlorides 21,500 PPM

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

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

DRILLING CONTRACTOR H-30 Drlg. (#5) Length Drill Pipe? 4098 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 125 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4"H-90 In. Length D.S.T. Tool 65 Ft.

Remarks: Chlorides checked: Top 40,000 PPM
Middle 52,000 PPM
Bottom 82,000 PPM

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

GAS FLOW REPORT

Date 10-3-77 Ticket 22742 Company Texas Oil & Gas Corp.

Well Name and No. Lenkner #1 Dst No. 5 Interval Tested 4250' - 4288'

County Barber State Kansas Sec. 28 Twp. 30S Rg. 13W

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						
1:18PM	10 min.	46" of water	1"	orifice		175,000 C.F.P.D.
1:23PM	15 min.	46" of water	1"	orifice		175,000 C.F.P.D.
1:28PM	20 min.	44" of water	1"	orifice		171,000 C.F.P.D.
1:33PM	25 min.	42" of water	1"	orifice		167,000 C.F.P.D.
1:38PM	30 min.	40" of water	1"	orifice		163,000 C.F.P.D.
SECOND FLOW						
2:43PM	5 min.	58" of water	1"	orifice		197,000 C.F.P.D.
2:48PM	10 min.	46" of water	1"	orifice		175,000 C.F.P.D.
2:53PM	15 min.	40" of water	1"	orifice		163,000 C.F.P.D.
2:58PM	20 min.	38" of water	1"	orifice		159,000 C.F.P.D.
3:03PM	25 min.	34" of water	1"	orifice		151,000 C.F.P.D.
3:08PM	30 min.	32" of water	1"	orifice		146,000 C.F.P.D.
3:13PM	35 min.	30" of water	1"	orifice		141,000 C.F.P.D.
3:18PM	40 min.	28" of water	1"	orifice		137,000 C.F.P.D.
3:23PM	45 min.	26" of water	1"	orifice		132,000 C.F.P.D.
3:28PM	50 min.	24" of water	1"	orifice		126,000 C.F.P.D.
3:33PM	55 min.	24" of water	1"	orifice		126,000 C.F.P.D.
3:38PM	60 min.	24" of water	1"	orifice		126,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled 10-3-77 Date to be Invoiced 10-3-77

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 Richard Hamm

WESTERN TESTING CO., INC.

Pressure Data

Date 10-3-77 Test Ticket No. 22742

Recorder No. 969 Capacity 4150 Location 4157 Ft.

Clock No. 10168 Elevation 1915 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2091 P.S.I.	Open Tool	1:06P. M	
B First Initial Flow Pressure	92 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	72 P.S.I.	Initial Closed-in Pressure	60 Mins.	54 Mins.
D Initial Closed-in Pressure	1519 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	88 P.S.I.	Final Closed-in Pressure	120 Mins.	117 Mins.
F Second Final Flow Pressure	70 P.S.I.			
G Final Closed-in Pressure	1546 P.S.I.			
H Final Hydrostatic Mud	2084 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	
P 2	
P 3	
P 4	
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
15	
16	
17	
18	
19	
20	

Initial Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.

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

Point Minutes	Press.

Final Shut-In
Breakdown: 39 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
60	1493
63	1496
66	1502
69	1504
72	1508
75	1513
78	1516
81	1520
84	1522
87	1525
90	1528
93	1530
96	1532
99	1536
102	1538
105	1540
108	1542
110	1543
114	1545
117	1546

WESTERN TESTING CO., INC.
Pressure Data

Date 10-3-77 Test Ticket No. 22742

Recorder No. 969 Capacity 4150 Location 4157 Ft.

Clock No. 10168 Elevation 1915 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2091 P.S.I.	Open Tool	1:06P. M	
B First Initial Flow Pressure	92 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	72 P.S.I.	Initial Closed-in Pressure	60 Mins.	54 Mins.
D Initial Closed-in Pressure	1519 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	88 P.S.I.	Final Closed-in Pressure	120 Mins.	117 Mins.
F Second Final Flow Pressure	70 P.S.I.			
G Final Closed-in Pressure	1546 P.S.I.			
H Final Hydrostatic Mud	2084 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
1 0	92
2 5	84
3 10	78
4 15	76
5 20	74
6 25	72
7 30	72
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Initial Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	72
3	1257
6	1389
9	1410
12	1423
15	1434
18	1446
21	1457
24	1464
27	1471
30	1479
33	1486
36	1493
39	1498
42	1502
45	1507
48	1514
51	1518
54	1519

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

Point Minutes	Press.
0	88
5	70
10	68
15	67
20	67
25	67
30	66
35	66
40	66
45	68
50	70
55	70
60	70

Final Shut-In
Breakdown: 39 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	70
3	1248
6	1309
9	1331
12	1349
15	1364
18	1378
21	1393
24	1405
27	1417
30	1427
33	1436
36	1444
39	1453
42	1460
45	1465
48	1472
51	1477
54	1482
57	1488

Cont'd on next page

4 white / 1 orange

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET 23046

P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

Formation Marmaton Elevation 1915KB Eff. Pay ____ Ft.

District Pratt Date 10-4-77 Customer Order No. ____

(C)OMPANY NAME Texas Oil + Gas
(A)DDRESS 200 W. Douglas Suite 300 Wichita, Ks. 67202
(L)EASE AND WELL NO. Lenkner #1 COUNTY Barber STATE Kansas Sec. 28 Twp. 30S Rge. 13W
(M)ail Inv. To ____ No. Copies Requested 5
Co. Name Address
(M)ail Charts To ____ No. Copies Requested 5
Address

(F)ormation Test No. 6 O.K. ✓ Misrun ____ Interval Tested From 4398' to 4428' Total Depth 4428'
(Si)ze Main Hole 7 7/8 Rat Hole — Conv. ____ B.T. X Damaged ____ Yes X No Conv. X B.T. — Damaged ____ Yes X No
(To)p Packer Depth 4393 Ft. Size 6 3/4 Bottom Packer Depth 4398 Ft. Size 6 3/4
(S)traddle — Conv. — B.T. — Damaged — Yes — No Packer Depth — Ft. Size —
(T)ool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 30 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
(R)ECORDERS Depth 4419 Ft. Clock No. 4763 Depth 4422 Ft. Clock No. 9726
Top Make Kuster Cap. 4150 No. 2604 Inside / Outside Bottom Make Kuster Cap. 4150 No. 2606 ~~Inside~~ Outside
(Be)low Straddle: Depth — Rec. No. — Clock No. — Inside / Outside Depth — Ft. Rec. No. — Clock No. — Inside / Outside

(Ti)me Set Packer 5:15 P M.
(T)ool Open I.F.P. From 5:15 M. to 5:45 P M. Hr. 30 Min. From (B) 31 51 P.S.I. To (C) 31 28 P.S.I.
(T)ool Closed I.C.I.P. From 5:45 P M. to 6:45 P M. Hr. 60 Min. (D) 1495 1511 P.S.I.
(T)ool Open F.F.P. From 6:45 P M. to 7:30 P M. Hr. 45 Min. From (E) 31 43 P.S.I. To (F) 31 29 P.S.I.
(T)ool Closed F.C.I.P. From 7:30 P M. to 9:00 P M. 1 Hr. 30 Min. (G) 1506 1523 P.S.I.
(In)itial Hydrostatic Pressure (A) 2137 P.S.I. 2207 Final Hydrostatic Pressure (H) 2137 P.S.I. 2169 Maximum Temp. 126

INFORMATION

(F)LOW Strong flow through test - Gas to surface 23 min during Second opening. See attached sheet for gas measurement
(D)id Well Flow ____ Yes X No Recovery Total Ft. 20 ft. drlg. mud

(R)eversed Out ____ Yes X No Mud Type Premix Viscosity 38 Weight 9.3 Water Loss 22.4 API cc. Chlorides 23,000
(E)XTRA EQUIPMENT: Type Circ. Sub. P/P Safety Joint Yes Jars: Size 4 1/2 OD In. Make W.T.C. Ser. No. 408
(D)ual Packers Yes Did Packers Hold? Yes Did Tool Plug? NO Where? ____
(D)RILLING CONTRACTOR H-30 Inc Length Drill Pipe 4316 ft. I.D. Drill Pipe 3.8 ID In. Tool Joint Size 4 1/2 FH In.
(Le)ngth Weight Pipe — ft. I.D. Weight Pipe — In. Tool Joint Size — In. Length Drill Collars 124 ft. I.D. Drill Collars 2 1/4 ID In.
(To)ol Joint Size 4 1/2 H90 In. Length D.S.T. Tool 60 ft.
(R)emarks Chloride Test 31,000 P.P.M.

INVOICE SECTION

Open Hole Test	$ 415.00
Straddle Test	$
Jars	$ 175.00
Selective Zone	$
Safety Joint	$ 30.00
Misrun	$
Evaluation	$
Packer	$
Circ. Sub.	$
	$
Total	$ 620.00

(C)OMPANY TERMS

(W)estern Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel (of) the one for whom a test is made or for any loss suffered or sustained directly or indirectly (th)rough the use of its equipment, or its statements or opinion concerning the results of any test. (To)ols lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

(Al)l charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for (co)llection will be added to the original amount.

12.40

(T)est Approved By Richard Hamm
Signature of Customer or his Authorized Representative

Western Representative Rod Tritt

Operator's Time Thank You Hrs.

Phone 316 262-5861
316 838-0601

WESTERN TESTERS

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 962

Date 10-4-77 Ticket 23046 Company Texas Oil & Gas

Well Name and No. Lenkner #1 Dst No. 6 Interval Tested 4398-4428

County Barber State Kansas Sec. 28 Twp. 30 S Rg. 13 W

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						
SECOND FLOW						
Gas to surface in 23 min ~~2nd opening~~						
7:20 PM	35 min.	12" of water	1/4" orifice ~~plate~~			5,860 C.f.t. P.D.
7:30 PM	45	13 "	"	"		6,100 C.f.t. PD

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 Richard Hamm

FORM WTC 9

WESTERN TESTING CO., INC.
Pressure Data

Date 10-4-77 Test Ticket No. 23046

Recorder No. 2604 Capacity 4150 Location 4419 Ft.

Clock No. 4763 Elevation 1915 K.B. Well Temperature 126 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2207	P.S.I.	Open Tool	5:15 PM	
B	First Initial Flow Pressure	51	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	28	P.S.I.	Initial Closed-in Pressure	60 Mins.	63 Mins.
D	Initial Closed-in Pressure	1511	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	43	P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	29	P.S.I.			
G	Final Closed-in Pressure	1523	P.S.I.			
H	Final Hydrostatic Mud	2169	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	51
P 2 5	30
P 3 10	26
P 4 15	27
P 5 20	28
P 6 25	28
P 7 30	28
P 8 35	
P 9 40	
P10 45	
P11 50	
P12 55	
P13 60	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	28
3	124
6	301
9	472
12	621
15	768
18	891
21	992
24	1086
27	1159
30	1224
33	1282
36	1324
39	1362
42	1391
45	1416
48	1439
51	1456
54	1473
57	1490
60	1500
63	1511

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

Point Minutes	Press.
0	43
5	22
10	21
15	21
20	23
25	24
30	26
35	27
40	28
45	29
50	
55	
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	29
3	134
6	301
9	466
12	617
15	755
18	880
21	994
24	1077
27	1150
30	1209
33	1263
36	1301
39	1334
42	1362
45	1384
48	1403
51	1420
54	1435
57	1448
60	1458

OVER

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 23046

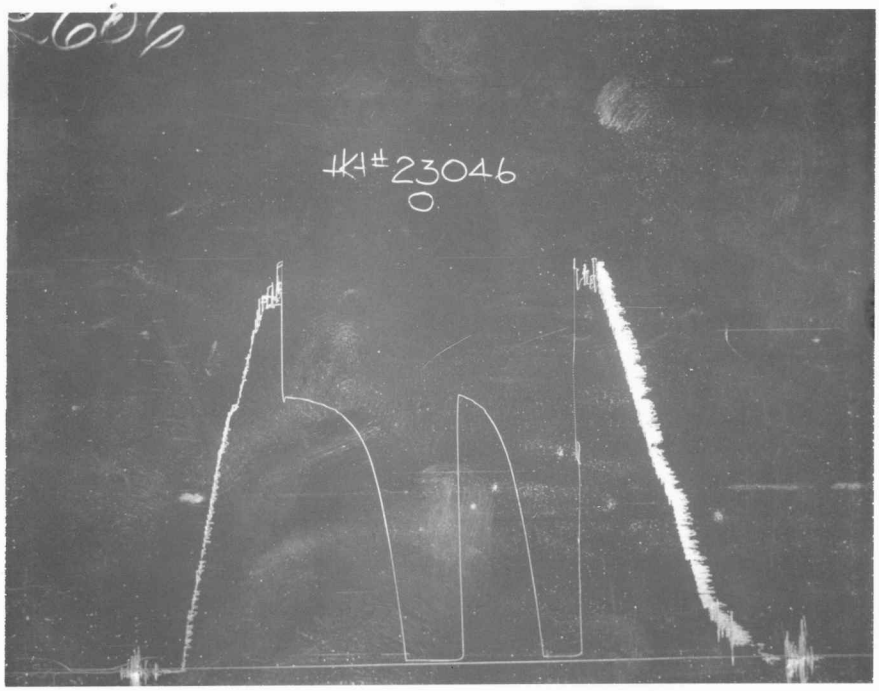
Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: 31 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		0		0		~~0~~	
P 2 5		3		5		63	1469
P 3 10		6		10		66	1477
P 4 15		9		15		69	1483
P 5 20		12		20		72	1490
P 6 25		15		25		75	1496
P 7 30		18		30		78	1500
P 8 35		21		35		81	1506
P 9 40		24		40		84	1511
P10 45		27		45		87	1515
P11 50		30		50		90	1519
P12 55		33		55		93	1523
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	


HH#23046

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

Company Texas Oil & Gas Corp. Lease & Well No. Lenkner #1

Elevation 1915 Kelly Bush. Formation Marmaton Effective Pay - Ft. Ticket No. 23046

Date 10-4-77 Sec. 28 Twp. 30S Range 13W County Barber State Kansas

Test Approved by Richard Hamm Western Representative Rod Tritt

Formation Test No. 6 O.K. X Misrun - Interval Tested From 4398' to 4428' Total Depth 4428'

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 4393 Ft. Size 6 3/4 Bottom Packer Depth 4398 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 30 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4419 Ft. Clock No. 4763 Depth 4422 Ft. Clock No. 9726

Top Make Kuster Cap. 4150 No. 2604 ~~Outside~~ Inside 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 5:15P M

Tool Open I.F.P. From 5:15P M. to 5:45P M. - Hr. 30 Min. From (B) 51 P.S.I. To (C) 28 P.S.I.

Tool Closed I.C.I.P. From 5:45 M. to 6:45 M. - Hr. 60 Min (D) 1511 P.S.I.

Tool Open F.F.P. From 6:45 M. to 7:30 M. - Hr. 45 Min. From (E) 43 P.S.I. To (F) 29 P.S.I.

Tool Closed F.C.I.P. From 7:30 M. to 9:00 M. - Hr. 30 Min. (G) 1523 P.S.I.

Initial Hydrostatic Pressure (A) 2207 P.S.I. Final Hydrostatic Pressure (H) 2169 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 23 minutes during second opening.
See attached sheet for gas measurements.

Did Well Flow - Yes X No Recovery Total Ft. 20' drilling mud.

Reversed Out - Yes X No Mud Type Premix Viscosity 38 Weight 9.3 Water Loss 22.4 cc. Chlorides 23,000 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 Inc. Length Drill Pipe? 4316 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 124 Ft. I.D. Drill Collars 2¼ID In.

Tool Joint Size 4½H-90 In. Length D.S.T. Tool 60 Ft.

Remarks: Chloride checked: 31,000 p.p.m.

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

GAS FLOW REPORT

Date 10-4-77 Ticket 23046 Company Texas Oil & Gas Corp.

Well Name and No. Lenkner #1 Dst No. 6 Interval Tested 4398' - 4428'

County Barber State Kansas Sec. 28 Twp. 30S Rg. 13W

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						
SECOND FLOW						
7:20PM	35 min.	12" of water		¼" orifice		5,860 C.F.P.D.
7:30PM	45 min.	13" of water		¼" orifice		6,100 C.F.P.D.
Gas to surface in 23 minutes.						

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 Richard Hamm

WESTERN TESTING CO., INC.
Pressure Data

Date 10-4-77 Test Ticket No. 23046

Recorder No. 2604 Capacity 4150 Location 4419 Ft.

Clock No. 4763 Elevation 1915 Kelly Bushing Well Temperature 126 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2207 P.S.I.		Open Tool	5:15P M	
B	First Initial Flow Pressure	51 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	28 P.S.I.		Initial Closed-in Pressure	60 Mins.	63 Mins.
D	Initial Closed-in Pressure	1511 P.S.I.		Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	43 P.S.I.		Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	29 P.S.I.				
G	Final Closed-in Pressure	1523 P.S.I.				
H	Final Hydrostatic Mud	2169 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 21 Inc.		Breakdown: 9 Inc.		Breakdown: 31 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	51	0	28	0	43	0	29
P 2 5	30	3	124	5	22	3	134
P 3 10	26	6	301	10	21	6	301
P 4 15	27	9	472	15	21	9	466
P 5 20	28	12	621	20	23	12	617
P 6 25	28	15	768	25	24	15	755
P 7 30	28	18	891	30	26	18	880
P 8		21	992	35	27	21	994
P 9		24	1086	40	28	24	1077
P10		27	1159	45	29	27	1150
P11		30	1224			30	1209
P12		33	1282			33	1263
P13		36	1324			36	1301
P14		39	1362			39	1334
P15		42	1391			42	1362
P16		45	1416			45	1384
P17		48	1439			48	1403
P18		51	1456			51	1420
P19		54	1473			54	1435
P20		57	1490			57	1448
		60	1500				
		63	1511				

Cont. on next page

WESTERN TESTING CO., INC.
Pressure Data

Date 10-4-77 Test Ticket No. 23046

Recorder No. 2604 Capacity 4150 Location 4419

Clock No. 4763 Elevation 1915 Kelly Bushing Well Temperature 126

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2207 P.S.I.	Open Tool	5:15P M	
B First Initial Flow Pressure	51 P.S.I.	First Flow Pressure	30 Mins.	30 M
C First Final Flow Pressure	28 P.S.I.	Initial Closed-in Pressure	60 Mins.	63 M
D Initial Closed-in Pressure	1511 P.S.I.	Second Flow Pressure	45 Mins.	45 M
E Second Initial Flow Pressure	43 P.S.I.	Final Closed-in Pressure	90 Mins.	93 M
F Second Final Flow Pressure	29 P.S.I.			
G Final Closed-in Pressure	1523 P.S.I.			
H Final Hydrostatic Mud	2169 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	
P 2	
P 3	
P 4	
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 21 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.

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

Point Minutes	Press.

Final Shut-In
Breakdown: 31 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
60	1458
63	1469
66	1477
69	1483
72	1490
75	1496
78	1500
81	1506
84	1511
87	1515
90	1519
93	1523