



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

Company Texas Oil & Gas Corp. Lease & Well No. Clark E-#1
Elevation 1493 Kelly Bush Formation Mississippi Effective Pay - Fr. Ticket No. 21684
Date 10-31-77 Sec. 5 Twp. 32S Range 12W County Barber State Kansas
Test Approved by K. W. Dahlberg Western Representative Bill Hager
Formation Test No. 1 O.K. Misrun Interval Tested From 4194' to 4226' Total Depth 4226'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 4189 Ft. Size 6 3/4 Bottom Packer Depth 4194 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 32 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4213 Ft. Clock No. 6892 Depth 4216 Ft. Clock No. 6799
Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap. 4000 No. 3351 ~~Inside~~ Outside
Below Straddle: Depth Rec. No. Clock No. ~~Inside~~ Outside Depth Ft. Rec. No. Clock No. ~~Inside~~ Outside

Time Set Packer 12:27 M
Tool Open I.F.P. From 12:30 M. to 1:00 M. - Hr. 30 Min. From (B) 109 P.S.I. To (C) 82 P.S.I.
Tool Closed I.C.I.P. From 1:00 M. to 2:00 M. - Hr. 60 Min (D) 1554 P.S.I.
Tool Open F.F.P. From 2:00 M. to 2:45 M. - Hr. 45 Min. From (E) 44 P.S.I. To (F) 78 P.S.I.
Tool Closed F.C.I.P. From 2:45 M. to 4:15 M. - Hr. 90 Min. (G) 1587 P.S.I.
Initial Hydrostatic Pressure (A) 2090 P.S.I. Final Hydrostatic Pressure (H) 2067 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Strong blow throughout test. See attached sheet for gas measurements. Gas to surface in 2 minutes on final flow period.

Did Well Flow Yes No Recovery Total Ft. 100' total recovery, 40' gas cut mud, 60' thin gas cut mud.

Reversed Out Yes No Mud Type Premix Viscosity 45 Weight 9.1 Water Loss 14.6 cc. Chlorides 24,000 p.p.m.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4 1/2 OD In. Make W.T.C Ser. No. 408

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

DRILLING CONTRACTOR H-30 Drilling Co. Length Drill Pipe? 3916 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH 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 4H90 In. Length D.S.T. Tool 62 Ft.

Remarks: Chlorides checked: Top 27,000 p.p.m, Bottom 30,000 p.p.m.

WESTERN TESTING CO., INC.

Pressure D: a

Date 10-31-77

Test Ticket No. 21684

Recorder No. 2607 Capacity 4150

Location 4213 Ft.

Clock No. 6892 Elevation 1493 Kelly Bushing

Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
			12:27	M
A Initial Hydrostatic Mud	2090	P.S.I.	30	30
B First Initial Flow Pressure	109	P.S.I.	60	63
C First Final Flow Pressure	82	P.S.I.	45	40
D Initial Closed-in Pressure	1554	P.S.I.	90	93
E Second Initial Flow Pressure	114	P.S.I.		
F Second Final Flow Pressure	78	P.S.I.		
G Final Closed-in Pressure	1587	P.S.I.		
H Final Hydrostatic Mud	2067	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: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 8 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 31 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	109	0	82	0	114	0	78
P 2 5	92	3	227	5	88	3	216
P 3 10	84	6	444	10	78	6	447
P 4 15	82	9	602	15	75	9	631
P 5 20	82	12	749	20	75	12	796
P 6 25	82	15	896	25	75	15	948
P 7 30	82	18	1011	30	76	18	1069
P 8		21	1122	35	77	21	1165
P 9		24	1204	40	78	24	1237
P10		27	1274			27	1302
P11		30	1326			30	1348
P12		33	1368			33	1382
P13		36	1406			36	1412
P14		39	1435			39	1435
P15		42	1460			42	1456
P16		45	1481			45	1474
P17		48	1499			48	1488
P18		51	1515			51	1502
P19		54	1526			54	1513
P20		57	1538			57	1524
		60	1546				
		63	1554				

WESTERN TESTING CO., INC.
Pressure Data

Date 10-31-77 Test Ticket No. 21684
 Recorder No. 2607 Capacity 4150 Location 4213 Ft.
 Clock No. 6892 Elevation 1493 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2090</u> P.S.I.	Open Tool	<u>12:27</u> M	
B First Initial Flow Pressure	<u>109</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>82</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>1554</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>114</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	<u>78</u> P.S.I.			
G Final Closed-in Pressure	<u>1587</u> P.S.I.			
H Final Hydrostatic Mud	<u>2067</u> 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: 21 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 8 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

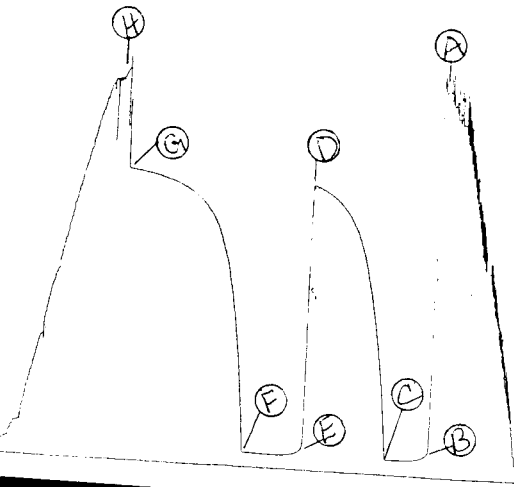
Final Shut-In
 Breakdown: 31 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						60	1532
P 2						63	1539
P 3						66	1546
P 4						69	1554
P 5						72	1560
P 6						75	1565
P 7						78	1569
P 8						81	1574
P 9						84	1578
P10						87	1581
P11						90	1583
P12						93	1587
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

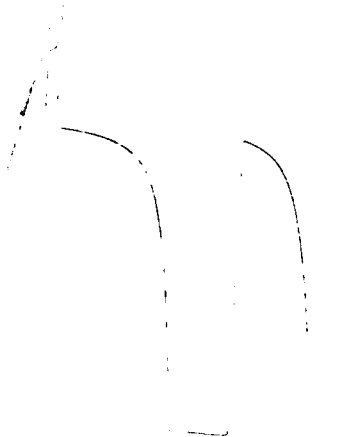
2607

TK# 21634

I.



TK7# 21687
0.



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 21684

Formation Mississippi Elevation 1493 Ft. Eff. Pay K. Barber Ft.

*1 orange
7 white*

District PRATT Date 10-31-77 Customer Order No. _____

COMPANY NAME TEXAS OIL & GAS CORP.

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

LEASE AND WELL NO. CLARK E #1 COUNTY BARBER STATE KS Sec. 5 Twp. 32S Rge. 15W

Mail Inv. To _____ Co. Name _____ Address _____ No. Copies Requested _____

Mail Charts To _____ Address _____ No. Copies Requested _____

Formation Test No. 1 O.K. Misrun Interval Tested From 4194' to 4226' Total Depth 4226'

Size Main Hole 2 7/8 Rat Hole _____ Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 4189 Ft. Size 6 3/4 Bottom Packer Depth 4194 Ft. Size 6 3/4

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

Tool Size 5 1/2 D Tool Joint Size 4 1/2 F. # Anchor Length 32 Ft. Size 5 1/2 D Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4213 Ft. Clock No. 6872 Depth 4216 Ft. Clock No. 6799

Top Make KUSTER Cap. 4150 No. 2607 Inside _____ Outside _____ Bottom Make KUSTER Cap. 4000 No. 3351 Inside _____ Outside _____

Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____

Time Set Packer 12:27 M

Tool Open I.F.P. From 12:30 M. to 1:00 M. _____ Hr. 30 Min. From (B) 84109 P.S.I. To (C) 7682 P.S.I.

Tool Closed I.C.I.P. From 1:00 M. to 2:00 M. 1 Hr. _____ Min. (D) 1542 1554 P.S.I.

Tool Open F.F.P. From 2:00 M. to 2:45 M. _____ Hr. 45 Min. From (E) 8444 P.S.I. To (F) 8478 P.S.I.

Tool Closed F.C.I.P. From 2:45 M. to 4:15 M. 1 Hr. 30 Min. (G) 1573 1587 P.S.I.

Initial Hydrostatic Pressure (A) 2078 P.S.I. Final Hydrostatic Pressure (H) 2056 P.S.I. 2067 Maximum Temp 124

INFORMATION See attached sheet for gas measurements

BLOW STRONG BLOW THROUGH TEST GAS TO SURFACE IN 2 MINUTES, no mud

Did Well Flow 7 Yes No Recovery Total Ft. 100ft. total recovery 40ft. 2nd cut mud

60ft. thin gas cut mud

Reversed Out Yes No Mud Type BRN Viscosity 45 Weight 9.1 Water Loss 14.6 cc. Chlorides 24,000 ppm

EXTRA EQUIPMENT: Type Circ. Sub. FIN Safety Joint YES Jars: Size 4 1/2 D In. Make W.T.C. Ser. No. 408

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

DRILLING CONTRACTOR H-50 Drilling Co. Length Drill Pipe 3 1/2 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe _____ ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars 248 ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4 1/2 In. Length D.S.T. Tool 2 ft.

Remarks Chloride check top - 22,000 ppm

Bottom - 30,000 ppm

INVOICE SECTION	
Open Hole Test	\$ <u>415.00</u>
Straddle Test	\$ _____
Jars	\$ <u>125.00</u>
Selective Zone	\$ _____
Safety Joint	\$ <u>30.00</u>
Misrun	\$ _____
Evaluation	\$ _____
Packer	\$ _____
Circ. Sub.	\$ _____
Total	\$ <u>620.00</u>

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 K.W. Dahlberg Western Representative Bill Hager
Signature of Customer or his Authorized Representative K.W. Dahlberg Operator's Time Thank You Bill Hager



GAS FLOW REPORT

Nº 557

Date 10-31-77 Ticket 21684 Company TEXAS OIL & GAS
Well Name and No. CHARK E-1 Dst No. 1 Interval Tested 4196-4226
County BARBER State KS Sec. 5 Twp. 32 Rg. 12

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria 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						
<i>GAS TO SURFACE IN 2 MINUTES 2nd OPENING.</i>						
2:05	5	5 in. 1/2" Orifice Plate =				14,100 C.F.P.D.
2:10	10	8" of water				17,200 C.F.P.D.
2:15	15	10				18,900
2:20	20	10				19,900
2:25	25	10				19,900
2:30	30	11				20,900
2:35	35	11				20,900
2:40	40	11				20,900
2:45	45	11				20,900

GAS BOTTLE

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

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

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

COMPANY'S NAME _____

Authorized by _____

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

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.
	Press.	Point Minutes	Press.	Point Minutes
P 1 _____	_____	_____	_____	63
P 2 _____	_____	_____	_____	105
P 3 _____	_____	_____	_____	110
P 4 _____	_____	_____	_____	115
P 5 _____	_____	_____	_____	120
P 6 _____	_____	_____	_____	125
P 7 _____	_____	_____	_____	130
P 8 _____	_____	_____	_____	135
P 9 _____	_____	_____	_____	140
P10 _____	_____	_____	_____	145
P11 _____	_____	_____	_____	150
P12 _____	_____	_____	_____	155
P13 _____	_____	_____	_____	160
P14 _____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____

WESTERN TESTING CO., INC.

Pressure Data

Date: 10-31-1977
 Order No. 2607 Capacity 4150 Location 4213 Fr.
 Well No. 6892 Elevation 1493 Kelly Bushing Well Temperature 124 °F

Pressure	Open Tool	Time Given	Time Computed
Initial Hydrostatic Mud <u>2090</u> P.S.I.		<u>12:27</u> M	
First Initial Flow Pressure <u>109</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
First Final Flow Pressure <u>82</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
Initial Closed-in Pressure <u>1554</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>40</u> Mins.
Second Initial Flow Pressure <u>114</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>93</u> Mins.
Second Final Flow Pressure <u>78</u> P.S.I.			
Final Closed-in Pressure <u>1587</u> P.S.I.			
Final Hydrostatic Mud <u>2067</u> P.S.I.			

PRESSURE BREAKDOWN

Point Ins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
0	109	0	82	0	114	0	78
5	92	3	227	5	88	3	216
10	84	6	444	10	78	6	447
15	82	9	602	15	75	9	631
20	82	12	749	20	75	12	796
25	82	15	896	25	75	15	948
30	82	18	1011	30	76	18	1069
35		21	1122	35	77	21	1165
40		24	1204	40	78	24	1237
45		27	1274	45	78	27	1302
50		30	1326	50		30	1348
55		33	1368	55		33	1382
60		36	1406	60		36	1412
		39	1435	65		39	1435
		42	1460	70		42	1456
		45	1481	75		45	1474
		48	1499	80		48	1488
		51	1515	85		51	1502
		54	1526	90		54	1513
		57	1538			57	1524
		60	1546			60	1532
		63	1554				

Con't on next pg.