



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

36-285-18W

Company Texas Oil & Gas Corp. Lease & Well No. [REDACTED]

Elevation - Formation - Effective Pay - Ft. Ticket No. 25695

Date 6-24-77 Sec. 36 Twp. 28S Range 18W County Kiowa State Kansas

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

Formation Test No. 1 O.K.  Misrun  Interval Tested From 2516' to 2541' Total Depth 2541'

Size Main Hole 77/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No

Top Packer Depth 2511 Ft. Size 6 3/4 Bottom Packer Depth 2516 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 25 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2531 Ft. Clock No. 4763 Depth 2534 Ft. Clock No. 9726

Top Make Kuster Cap. 4150 No. 2604 <sup>Inside</sup> ~~Outside~~ Bottom Make Kuster Cap. 4150 No. 2606 <sup>Inside</sup> ~~Outside~~

Below Straddle: Depth - Rec. No. - Clock No. - <sup>Inside</sup> ~~Outside~~ Depth - Ft. Rec. No. - Clock No. - <sup>Inside</sup> ~~Outside~~

Time Set Packer 1:33 M

Tool Open I.F.P. From 1:35 M. to 2:05 M. - Hr. 30 Min. From (B) 28 P.S.I. To (C) 52 P.S.I.

Tool Closed I.C.I.P. From 2:05 M. to 3:05 M. 1 Hr. - Min (D) 690 P.S.I.

Tool Open F.F.P. From 3:05 M. to 3:50 M. - Hr. 45 Min. From (E) 68 P.S.I. To (F) 87 P.S.I.

Tool Closed F.C.I.P. From 3:50 M. to 5:20 M. 1 Hr. 30 Min. (G) 677 P.S.I.

Initial Hydrostatic Pressure (A) 1213 P.S.I. Final Hydrostatic Pressure (H) 1242 P.S.I. Maximum Temp. 93

**INFORMATION**

BLOW Good steady blow throughout test.

Did Well Flow - Yes  No  Recovery Total Ft. 130' total recovery; 10' mud, 120' water.

Reversed Out - Yes  No  Mud Type premix Viscosity 33 Weight 9.2 Water Loss - cc. Chlorides 68,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. -

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR XPLOR Drlg. Co. Length Drill Pipe? 2237 Ft. I.D. Drill Pipe 3 In. Tool Joint Size 4 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 1/2 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 56 Ft.

Remarks: Chlorides check - 64,000 P.P.M. (TOP)  
" " - 64,000 P.P.M. (MIDDLE)  
" " - 70,000 P.P.M. (BOTTOM)

**RECEIVED**  
OCT 10 1977  
GREAT BEND  
Division Office

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 6-24-77 Test Ticket No. 25695  
 Recorder No. 2604 Capacity 4150 Location 2531 Ft.  
 Clock No. 4763 Elevation - Well Temperature 93 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1213</u> P.S.I.	Open Tool	<u>1:33</u> M	
B First Initial Flow Pressure	<u>28</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>52</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>690</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>68</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>96</u> Mins.
F Second Final Flow Pressure	<u>87</u> P.S.I.			
G Final Closed-in Pressure	<u>677</u> P.S.I.			
H Final Hydrostatic Mud	<u>1242</u> P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>21</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>32</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u> 28	<u>0</u> 52	<u>0</u> 68	<u>0</u> 87			
P 2	<u>5</u> 33	<u>3</u> 77	<u>5</u> 68	<u>3</u> 109			
P 3	<u>10</u> 38	<u>6</u> 130	<u>10</u> 70	<u>6</u> 153			
P 4	<u>15</u> 43	<u>9</u> 205	<u>15</u> 75	<u>9</u> 194			
P 5	<u>20</u> 46	<u>12</u> 286	<u>20</u> 77	<u>12</u> 252			
P 6	<u>25</u> 49	<u>15</u> 389	<u>25</u> 79	<u>15</u> 307			
P 7	<u>30</u> 52	<u>18</u> 455	<u>30</u> 83	<u>18</u> 363			
P 8		<u>21</u> 502	<u>35</u> 85	<u>21</u> 414			
P 9		<u>24</u> 535	<u>40</u> 85	<u>24</u> 451			
P10		<u>27</u> 563	<u>45</u> 87	<u>27</u> 479			
P11		<u>30</u> 584		<u>30</u> 506			
P12		<u>33</u> 605		<u>33</u> 529			
P13		<u>36</u> 619		<u>36</u> 546			
P14		<u>39</u> 634		<u>39</u> 561			
P15		<u>42</u> 644		<u>42</u> 573			
P16		<u>45</u> 655		<u>45</u> 589			
P17		<u>48</u> 665		<u>48</u> 596			
P18		<u>51</u> 671		<u>51</u> 606			
P19		<u>54</u> 678		<u>54</u> 613			
P20		<u>57</u> 684		<u>57</u> 619			
WTC - 4		<u>60</u> 688		<u>60</u> 627			
		<u>63</u> 690					

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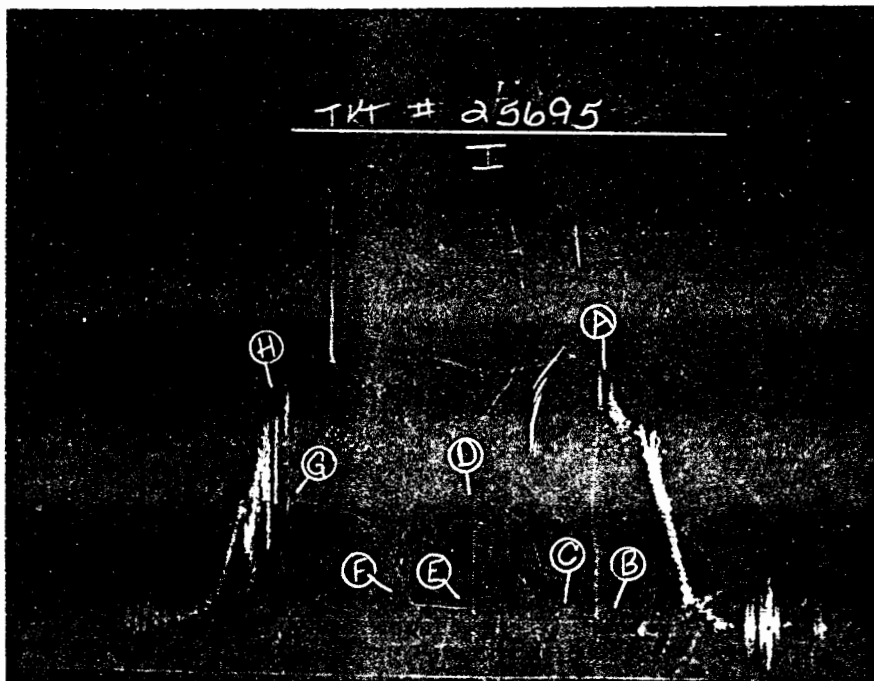
**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 6-24-77 Test Ticket No. 25695  
 Recorder No. 2604 Capacity 4150 Location 2531 Ft.  
 Clock No. 4763 Elevation - Well Temperature 93 °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: <u>32</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes
P 1				63
P 2				66
P 3				69
P 4				72
P 5				75
P 6				78
P 7				81
P 8				84
P 9				87
P10				90
P11				93
P12				96
P13				
P14				
P15				
P16				
P17				
P18				
P19				
P20				



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	1234	1213	PSI
(B) First Initial Flow Pressure .....	31	28	PSI
(C) First Final Flow Pressure .....	53	52	PSI
(D) Initial Closed-in Pressure .....	679	690	PSI
(E) Second Initial Flow Pressure .....	63	68	PSI
(F) Second Final Flow Pressure .....	74	87	PSI
(G) Final Closed-in Pressure .....	658	677	PSI
(H) Final Hydrostatic Mud .....	1234	1242	PSI



Home Office: Wichita, Kansas 67201  
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36-285-18W

Company Texas Oil & Gas Corp. Lease & Well No. Bock C-#1

Elevation - Formation - Effective Pay - Ft. Ticket No. 25696

Date 6-30-77 Sec. 36 Twp. 28S Range 18W County Kiowa State Kansas

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

Formation Test No. 2 O.K. - Misrun X Interval Tested From 3223' to 3292' Total Depth 4891'

Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No - Conv. - B.T. X Damaged - Yes X No -

Top Packer Depth 3218 Ft. Size 6 3/4 Bottom Packer Depth 3223 Ft. Size 6 3/4

Straddle yes Conv. X B.T. - Damaged - Yes X No - Packer Depth 3292 Ft. Size 6 3/4

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 69 Ft. Size 5 1/2 & 6 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3208 Ft. Clock No. 4763 Depth 3211 Ft. Clock No. 9726

Top Make Kuster Cap. 4150 No. 2604 <sup>Inside</sup> ~~Outside~~ Bottom Make Kuster Cap. 4150 No. 2606 <sup>Inside</sup> ~~Outside~~

Below Straddle: Depth 3367 Rec. No. 29 Clock No. 44 <sup>Inside</sup> ~~Outside~~ Depth - Ft. Rec. No. - Clock No. - <sup>Inside</sup> ~~Outside~~

Time Set Packer 6:15 A M

Tool Open I.F.P. From 6:17 A.M. to 6:37 A.M. - Hr. 20 Min. From (B) 434 P.S.I. To (C) 914 P.S.I.

Tool Closed I.C.I.P. From 6:37 M. to 7:17 A.M. - Hr. 40 Min (D) 1063 P.S.I.

Tool Open F.F.P. From 7:17 M. to 7:37 A.M. - Hr. 20 Min. From (E) 887 P.S.I. To (F) 1050 P.S.I.

Tool Closed F.C.I.P. From 7:37 M. to 8:07 A.M. - Hr. 30 Min. (G) 1064 P.S.I.

Initial Hydrostatic Pressure (A) 1580 P.S.I. Final Hydrostatic Pressure (H) 1555 P.S.I. Maximum Temp. 103

INFORMATION

BLOW Misrun.

Did Well Flow - Yes X No - Recovery Total Fr. 2046' mud.

Reversed Out X Yes - No - Mud Type premix Viscosity 52 Weight 9 Water Loss 15.0 cc. Chlorides 25,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. -

Dual Packer yes Did Packers Hold? - Did Tool Plug? no Where? -

DRILLING CONTRACTOR XPLOR Drlg. Co. Length Drill Pipe? - Fr. I.D. Drill Pipe 3 In. Tool Joint Size 4 FH.

Length Weight Pipe - Fr. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 279 Fr. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 In. Length D.S.T. Tool 175 Ft.

Remarks: Bottom packer did not hold.

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**WESTERN TESTING CO., INC.**

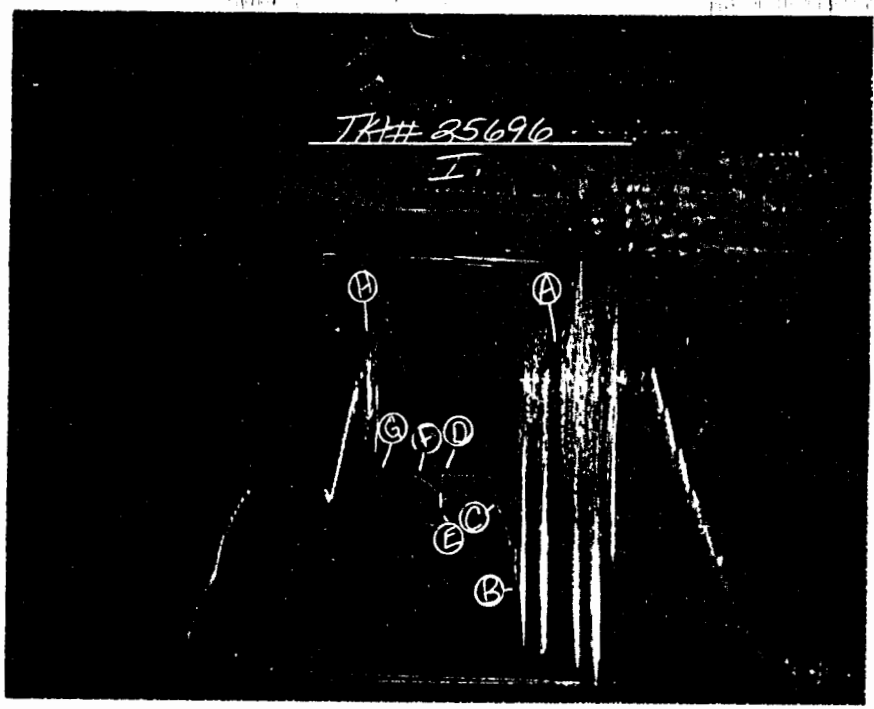
**Pressure Data**

Date 6-30-77 Test Ticket No. 25696  
 Recorder No. 2604 Capacity 4150 Location 3208 Ft.  
 Clock No. 4763 Elevation - Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1580 P.S.I.	Open Tool	6:15 A M	
B First Initial Flow Pressure	434 P.S.I.	First Flow Pressure	20 Mins.	20 Mins.
C First Final Flow Pressure	914 P.S.I.	Initial Closed-in Pressure	40 Mins.	40 Mins.
D Initial Closed-in Pressure	1063 P.S.I.	Second Flow Pressure	20 Mins.	20 Mins.
E Second Initial Flow Pressure	887 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	1050 P.S.I.			
G Final Closed-in Pressure	1064 P.S.I.			
H Final Hydrostatic Mud	1555 P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In		
Breakdown: <u>4</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>4</u> Inc.		Breakdown: <u>9</u> Inc.		
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a		
final inc. of <u>0</u> Min.		final inc. of <u>1</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	0	434	0	914	0	887	0	1050
P 2	5	592	3	1050	5	985	3	1061
P 3	10	749	6	1056	10	1019	6	1063
P 4	15	843	9	1059	15	1038	9	1064
P 5	20	914	12	1061	20	1050	12	1064
P 6			15	1062			15	1064
P 7			18	1063			18	1064
P 8			21	1063			21	1064
P 9			24	1063			24	1064
P10			27	1063			27	1064
P11			30	1063			30	1064
P12			33	1063				
P13			36	1063				
P14			39	1063				
P15			40	1063				
P16								
P17								
P18								
P19								
P20								



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1516	1580	PSI
(B) First Initial Flow Pressure	427	434	PSI
(C) First Final Flow Pressure	899	914	PSI
(D) Initial Closed-in Pressure	1066	1063	PSI
(E) Second Initial Flow Pressure	899	887	PSI
(F) Second Final Flow Pressure	1014	1050	PSI
(G) Final Closed-in Pressure	1066	1064	PSI
(H) Final Hydrostatic Mud	1516	1555	PSI



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36-285-18W

Company Texas Oil & Gas Corp. Lease & Well No. Bock C-#1  
 Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 25697  
 Date 6-30-77 Sec. 36 Twp. 28S Range 18W County Kiowa State Kansas  
 Test Approved by K.W. Dahlberg Western Representative Bill Hager

Formation Test No. 3 O.K.  Misrun  Interval Tested From 4861' to 4891' Total Depth 4891'  
 Size Main Hole 77/8 Rat Hole - Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
 Top Packer Depth 4866 Ft. Size 6 3/4 Bottom Packer Depth 4861 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 30 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4877 Ft. Clock No. 4763 Depth 4880 Ft. Clock No. 9726  
 Top Make Kuster Cap. 4150 No. 2604 Inside Bottom Make Kuster Cap. 4150 No. 2606 Inside  
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Depth - Ft. Rec. No. - Clock No. - Outside

Time Set Packer 3:53 P.M.  
 Tool Open I.F.P. From 3:55 P.M. to 4:25 P.M. - Hr. 30 Min. From (B) not readable P.S.I. To (C) not readable P.S.I.  
 Tool Closed I.C.I.P. From 4:25 M. to 5:25 P.M. 1 Hr. - Min (D) 1992 P.S.I.  
 Tool Open F.F.P. From 5:25 P.M. to 6:10 P.M. - Hr. 45 Min. From (E) not readable P.S.I. To (F) 235 P.S.I.  
 Tool Closed F.C.I.P. From 6:10 M. to 7:40 P.M. 1 Hr. 30 Min. (G) 1622 P.S.I.  
 Initial Hydrostatic Pressure (A) 2432 P.S.I. Final Hydrostatic Pressure (H) 2401 P.S.I. Maximum Temp. 128

**INFORMATION**

BLOW Fair blow on initial flow period. Weak to strong blow on final flow period.

Did Well Flow  Yes  No Recovery Total Ft. 420' total fluid. 120' gas cut mud, 240' slightly oil & gas cut mud, 60' heavy oil & gas cut mud.

Reversed Out  Yes  No Mud Type premix Viscosity 52 Weight 9. Water Loss 15. cc. Chlorides 25,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. -

Dual Packer yes Did Packers Hold? yes Did Tool Plug? yes Where? anchor

DRILLING CONTRACTOR XPLOR Drlg. Co. Length Drill Pipe? 4551 Ft. I.D. Drill Pipe 3. In. Tool Joint Size 4 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 279 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 61 Ft.

Remarks: Slid tool 15' to bottom. Plugging action during initial flow period and initial closed-in period and half of final flow period.

**RECEIVED**  
 OCT 10 1977  
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 Division Office

**WESTERN TESTING CO., INC.**

**Pressure Data**

Date 6-30-77 Test Ticket No. 25697  
 Recorder No. 2604 Capacity 4150 Location 4877 Ft.  
 Clock No. 4763 Elevation - Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2432 P.S.I.	Open Tool	3:53 P M	
B First Initial Flow Pressure	not readable P.S.I.	First Flow Pressure	30 Mins	30 Mins
C First Final Flow Pressure	not readable P.S.I.	Initial Closed-in Pressure	60 Mins	60 Mins
D Initial Closed-in Pressure	1992 P.S.I.	Second Flow Pressure	45 Mins	50 Mins
E Second Initial Flow Pressure	not readable P.S.I.	Final Closed-in Pressure	90 Mins	90 Mins
F Second Final Flow Pressure	235 P.S.I.			
G Final Closed-in Pressure	1622 P.S.I.			
H Final Hydrostatic Mud	2401 P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	not readable	0	not readable	0	not readable	0	235
P 2 5	"	3	11	5	"	3	851
P 3 10	"	6	not readable	10	"	6	1475
P 4 15	"	9	"	15	"	9	1492
P 5 20	"	12	"	20	"	12	1500
P 6 25	"	15	"	25	"	15	1504
P 7 30	"	18	"	30	"	18	not readable
P 8		21	"	35	245	21	"
P 9		24	"	40	239	24	"
P10		27	"	45	235	27	"
P11		30	"	50	235	30	"
P12		33	"			33	"
P13		36	"			36	"
P14		39	"			39	"
P15		42	"			42	"
P16		45	"			45	"
P17		48	"			48	"
P18		51	"			51	"
P19		54	"			54	"
P20		57	"			57	"
		60	1992			60	"

**WESTERN TESTING CO., INC.**

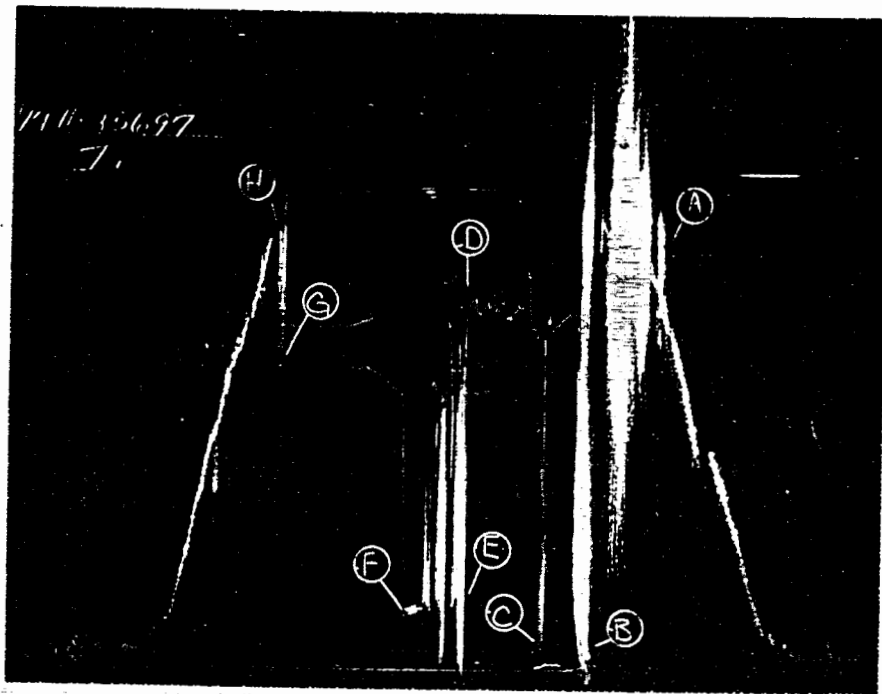
**Pressure Data**

Date 6-30-77 Test Ticket No. 25697  
 Recorder No. 2604 Capacity 4150 Location 4877 Ft.  
 Clock No. 4763 Elevation - Well Temperature 128 °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: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes
P 1				63 not readable
P 2				66 "
P 3				69 "
P 4				72 "
P 5				75 "
P 6				78 "
P 7				81 "
P 8				84 "
P 9				87 "
P10				90 1622
P11				
P12				
P13				
P14				
P15				
P16				
P17				
P18				
P19				
P20				



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	-	2432	PSI
(B) First Initial Flow Pressure .....	-	not readable	PSI
(C) First Final Flow Pressure .....	-	" "	PSI
(D) Initial Closed-in Pressure .....	1947	1992	PSI
(E) Second Initial Flow Pressure .....	234	not readable	PSI
(F) Second Final Flow Pressure .....	234	235	PSI
(G) Final Closed-in Pressure .....	1600	1622	PSI
(H) Final Hydrostatic Mud .....	2369	2401	PSI



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

36-285-18M

Company Texas Oil & Gas Corp. Lease & Well No. Bock C-#1  
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 25698  
Date 7-1-77 Sec. 36 Twp. 28S Range 18W County Kiowa State Kansas  
Test Approved by K.W. Dahlberg Western Representative Bill Hager

Formation Test No. 4 O.K.  Misrun  Interval Tested From 4863' to 4911' Total Depth 4911'  
Size Main Hole 77/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
Top Packer Depth 4858 Ft. Size 6 3/4 Bottom Packer Depth 4863 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 48 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4867 Ft. Clock No. 4763 Depth 4870 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. - ~~Outside~~ Inside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside

Time Set Packer 11:53 M  
Tool Open I.F.P. From 11:55 M. to 12:25 M. - Hr. 30 Min. From (B) 128 P.S.I. To (C) 295 P.S.I.  
Tool Closed I.C.I.P. From 12:25 M. to 1:25 M. 1 Hr. - Min (D) 1462 P.S.I.  
Tool Open F.F.P. From 1:25 M. to 2:10 M. - Hr. 45 Min. From (E) 327 P.S.I. To (F) 459 P.S.I.  
Tool Closed F.C.I.P. From 2:10 M. to 3:40 M. 1 Hr. 30 Min. (G) 1446 P.S.I.  
Initial Hydrostatic Pressure (A) 2344 P.S.I. Final Hydrostatic Pressure (H) 2344 P.S.I. Maximum Temp. 132

INFORMATION

BLOW Strong blow throughout test.

Did Well Flow - Yes  No  Recovery Total Ft. 3100' gas in pipe. 1000' slightly oil & gas cut saltwater, (75% water, 25% oil) 120' clean saltwater.

Reversed Out  Yes  No  Mud Type premix Viscosity 46 Weight 9.3 Water Loss 24.0 cc. Chlorides 25,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. -

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR XPLOR Drlg. Co. Length Drill Pipe? 4553 Ft. I.D. Drill Pipe 3 In. Tool Joint Size 4 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 279 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 79 Ft.

Remarks Chlorides, 83,000 P.P.M.

RECEIVED  
OCT 10 1977  
GREAT BEND  
Division Office

**WESTERN TESTING CO., INC.**

**Pressure Data**

Date 7-1-77 Test Ticket No. 25698  
 Recorder No. 2604 Capacity 4150 Location 4867 Ft.  
 Clock No. 4763 Elevation - Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2344 P.S.I.	Open Tool	11:53 M	
B First Initial Flow Pressure	128 P.S.I.	First Flow Pressure	30 Mins.	35 Mins.
C First Final Flow Pressure	295 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1462 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	327 P.S.I.	Final Closed-in Pressure	90 Mins.	96 Mins.
F Second Final Flow Pressure	459 P.S.I.			
G Final Closed-in Pressure	1446 P.S.I.			
H Final Hydrostatic Mud	2344 P.S.I.			

**PRESSURE BREAKDOWN**

**First Flow Pressure** Breakdown: 7 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: 32 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	128	0	295	0	327	0	459
P 2	5	160	3	1042	5	337	3	1017
P 3	10	181	6	1257	10	359	6	1199
P 4	15	209	9	1322	15	376	9	1265
P 5	20	230	12	1359	20	393	12	1301
P 6	25	252	15	1380	25	410	15	1326
P 7	30	275	18	1395	30	423	18	1343
P 8	35	295	21	1406	35	436	21	1357
P 9			24	1416	40	449	24	1370
P10			27	1422	45	459	27	1378
P11			30	1429			30	1387
P12			33	1433			33	1393
P13			36	1437			36	1398
P14			39	1443			39	1403
P15			42	1448			42	1408
P16			45	1450			45	1412
P17			48	1452			48	1414
P18			51	1454			51	1418
P19			54	1457			54	1420
P20			57	1459			57	1424
			60	1462			60	1425

**WESTERN TESTING CO., INC.**

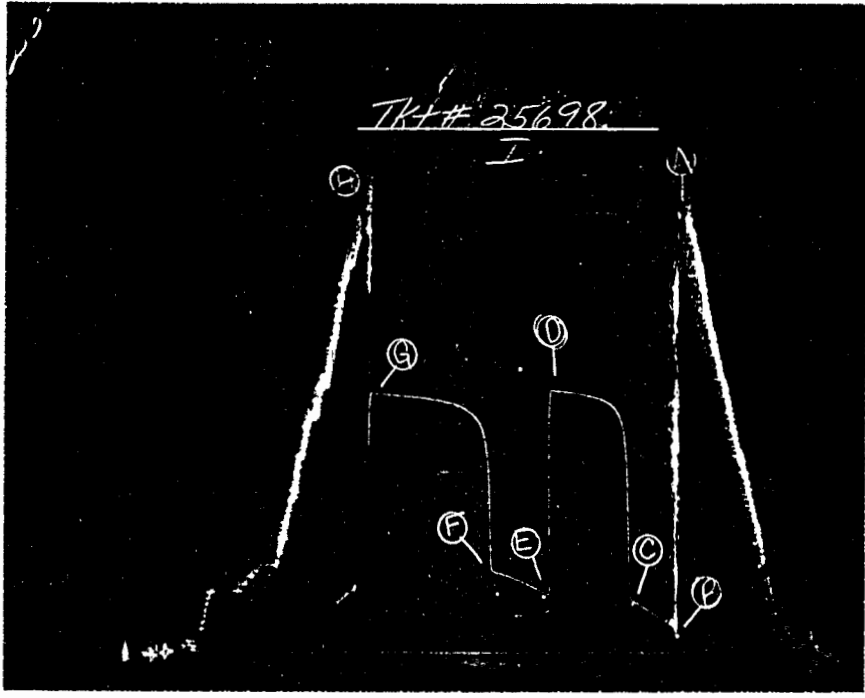
**Pressure Data**

Date 7-1-77 Test Ticket No. 25698  
 Recorder No. 2604 Capacity 4150 Location 4867 Ft.  
 Clock No. 4763 Elevation - Well Temperature 132 °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: <u>32</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	_____	_____	_____	63	1429
P 2	_____	_____	_____	66	1430
P 3	_____	_____	_____	69	1432
P 4	_____	_____	_____	72	1434
P 5	_____	_____	_____	75	1436
P 6	_____	_____	_____	78	1438
P 7	_____	_____	_____	81	1440
P 8	_____	_____	_____	84	1442
P 9	_____	_____	_____	87	1444
P10	_____	_____	_____	90	1445
P11	_____	_____	_____	93	1446
P12	_____	_____	_____	96	1446
P13	_____	_____	_____		
P14	_____	_____	_____		
P15	_____	_____	_____		
P16	_____	_____	_____		
P17	_____	_____	_____		
P18	_____	_____	_____		
P19	_____	_____	_____		
P20	_____	_____	_____		



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2348	2344	PSI
(B) First Initial Flow Pressure	95	128	PSI
(C) First Final Flow Pressure	277	295	PSI
(D) Initial Closed-in Pressure	1453	1462	PSI
(E) Second Initial Flow Pressure	320	327	PSI
(F) Second Final Flow Pressure	459	459	PSI
(G) Final Closed-in Pressure	1453	1446	PSI
(H) Final Hydrostatic Mud	2348	2344	PSI