OK

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 16695

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1426 Kb Formation Miss Eff. Pay Ft.

NO Production Comp.

District Augusta Comp. Date 10-15-82 Customer Order No.

COMPANY NAME Texas Oil and Gas

ADDRESS 200 W Douglas Suite 300 Wichita Ks 67202

LEASE AND WELL NO. Mirick #1 COUNTY Cowley STATE Ks Sec. 10 Twp. 30 Rge. 6 E

Mail Invoice To P O 329 Medicine Lodge, Ks. 67104 No. Copies Requested 1
Co. Name Address

Mail Charts To one to 2150 Fidelity Union Tower, Dallas, Texas 75201 No. Copies Requested 5
Address

Formation Test No. 1 Interval Tested From 2867 ft. to 2904 ft. Total Depth 2904 ft.

Packer Depth 2867 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 2863 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2872 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 2876 ft. Recorder Number 1049 Cap. 4250

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Range # 2 Drill Collar Length 150 I. D. in.

Mud Type Chem Viscosity 42 Weight Pipe Length 1500 I. D. in.

Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length I. D. in.

Chlorides 1500 P.P.M. Test Tool Length 25 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 407 Anchor Length 37 ft. Size 5 1/2 in.

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

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

Blow: Weak steady blow throughout test

Recovered 130 ft. of Drilling mud Watery 17,000 PPM Chlorides

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

RECEIVED
OCT 19 1982

Time On Location	A.M. P.M.	Time Pick Up Tool	A.M. P.M.	Time Off Location	A.M. P.M.
Time Set Packer(s) 10:30	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature 112°	

Initial Hydrostatic Pressure		(A) 1400	P.S.I.			
Initial Flow Period	Minutes 30	(B) 31	P.S.I.	to (C) 31	P.S.I.	
Initial Closed In Period	Minutes 60	(D) 746	P.S.I.			
Final Flow Period	Minutes 45	(E) 63	P.S.I.	to (F) 73	P.S.I.	
Final Closed In Period	Minutes 90	(G) 746	P.S.I.			
Final Hydrostatic Pressure		(H) 1400	P.S.I.			

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages 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, of 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Jimmy W. Collins
Signature of Customer or his authorized representative

Western Representative Kenny Kirkendall

FIELD INVOICE

Open Hole Test	$ 600.00
Misrun	$
Straddle Test	$
Jars	$ 300.00
Selective Zone	$
Safety Joint	$ 65.00
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	$ 965.00

Both Charts

WESTERN TESTING CO., INC.
Pressure Data

Date 10-15 Test Ticket No. 16695

Recorder No. 2605 Capacity 4150 Location 2872 Ft.

Clock No. — — — — Elevation 1426 KB Well Temperature 112 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1405	P.S.I.	Open Tool	10:30 AM	
B	First Initial Flow Pressure	38	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	38	P.S.I.	Initial Closed-in Pressure	60 Mins.	63 Mins.
D	Initial Closed-in Pressure	757	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	70	P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	72	P.S.I.			
G	Final Closed-in Pressure	753	P.S.I.			
H	Final Hydrostatic Mud	1375	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	38
P 2	5	
P 3	10	
P 4	15	
P 5	20	
P 6	25	
P 7	30	38
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	38
3	470
6	583
9	624
12	651
15	672
18	686
21	700
24	709
27	718
30	725
33	730
36	735
39	739
42	743
45	747
48	749
51	751
54	753
57	755
60	756

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

Point Minutes	Press.
0	70
5	
10	
15	
20	
25	
30	70
35	70
40	71
45	72
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	72
3	458
6	560
9	602
12	626
15	644
18	660
21	675
24	685
27	693
30	700
33	705
36	710
39	715
42	719
45	723
48	726
51	729
54	732
57	735
60	737

cont

WTC - 4

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 16695

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.

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

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

Final Shut-In
Breakdown: _____ 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		63				63	739
P 2		66				66	741
P 3		69				69	743
P 4		72				72	745
P 5		75				75	747
P 6		78				78	748
P 7		81				81	749
P 8		84				84	750
P 9		87				87	751
P10		90				90	752
P11		93				93	753
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

WTC - 4

TKT #16695

2605

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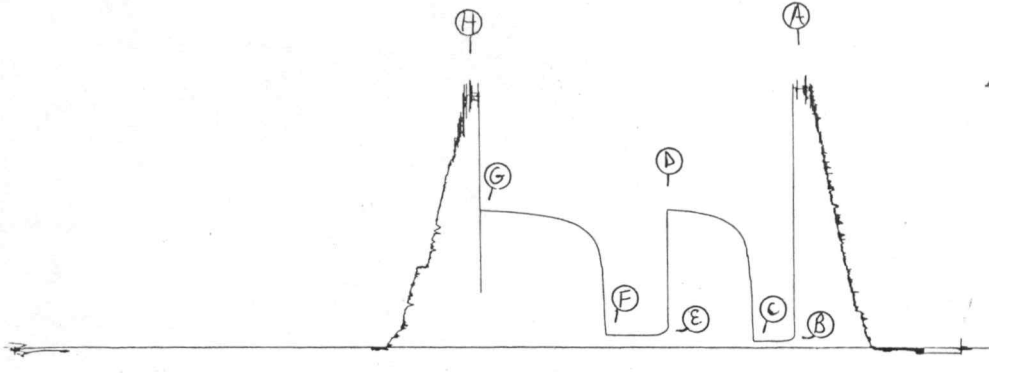
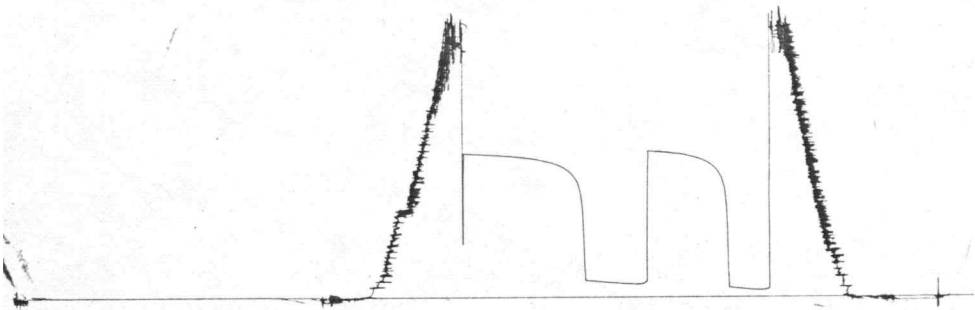


IKT #-16695



Company TXO Production Corp. Lease & Well No. #1 Mirick

Elevation 1426 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 16695

Date 10/15/82 Sec. 10 Twp. 30S Range 6E County Cowley State Kansas

Test Approved by Jerry W. Collins Western Representative Kenny Kirkendall

Formation Test No. 1 Interval Tested from 2867 ft. to 2904 ft. Total Depth 2904 ft.

Packer Depth 2867 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2863 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2872 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 2876 ft. Recorder Number 1049 Cap. 4250

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

Drilling Contractor Range Drlg. Rig #2 Drill Collar Length 150 I. D. - in.

Mud Type chemial Viscosity 42 Weight Pipe Length --- I. D. - in.

Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length 1500 I. D. - in.

Chlorides 1,500 P.P.M. Test Tool Length 25 ft. Tool Size 5½ in.

Jars: Make WTC Serial Number 407 Anchor Length 37 ft. Size 5½ in.

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

Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

Blow: Weak steady blow throughout test.

Recovered 130 ft. of drilling mud watery Chlorides 17,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 10:30 ~~P.M.~~ A.M. Time Started Off Bottom - A.M. P.M. Maximum Temperature 112°

Initial Hydrostatic Pressure			(A)	1405	P.S.I.	
Initial Flow Period	Minutes 30	(B)	38	P.S.I. to (C)	38	P.S.I.
Initial Closed In Period	Minutes 63	(D)	757	P.S.I.		
Final Flow Period	Minutes 45	(E)	70	P.S.I. to (F)	72	P.S.I.
Final Closed In Period	Minutes 93	(G)	753	P.S.I.		
Final Hydrostatic Pressure		(H)	1375	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 10/15/82 Test Ticket No. 16695

Recorder No. 2605 Capacity 4150 Location 2872 Ft.

Clock No. -- Elevation 1426 Kelly Bushing Well Temperature 112 °F

Point	Pressure		Time Given		Time Computed	
A Initial Hydrostatic Mud	1405	P.S.I.	Open Tool	10:30A M		
B First Initial Flow Pressure	38	P.S.I.	First Flow Pressure	30 Mins.	30	Mins.
C First Final Flow Pressure	38	P.S.I.	Initial Closed-in Pressure	60 Mins.	63	Mins.
D Initial Closed-in Pressure	757	P.S.I.	Second Flow Pressure	45 Mins.	45	Mins.
E Second Initial Flow Pressure	70	P.S.I.	Final Closed-in Pressure	90 Mins.	93	Mins.
F Second Final Flow Pressure	72	P.S.I.				
G Final Closed-in Pressure	753	P.S.I.				
H Final Hydrostatic Mud	1375	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	38
P 2 5	38
P 3 10	38
P 4 15	38
P 5 20	38
P 6 25	38
P 7 30	38
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.
0	38
3	470
6	583
9	624
12	651
15	672
18	686
21	700
24	709
27	718
30	725
33	730
36	735
39	739
42	743
45	747
48	749
51	751
54	753
57	755
60	756
63	757

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

Point Minutes	Press.
0	70
5	70
10	70
15	70
20	70
25	70
30	70
35	70
40	71
45	72

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

Point Minutes	Press.
0	72
3	458
6	560
9	602
12	626
15	644
18	660
21	675
24	685
27	693
30	700
33	705
36	710
39	715
42	719
45	723
48	726
51	729
54	732
57	735
60	737

CONTINUED NEXT PAGE

WESTERN TESTING CO., INC.
Pressure Data

Date 10/15/82 Test Ticket No. 16695

Recorder No. 2605 Capacity 4150 Location 2872 Ft.

Clock No. -- Elevation 1426 Kelly Bushing Well Temperature 112 °F

Point	Pressure		Time Given		Time Computed	
A Initial Hydrostatic Mud	1405 P.S.I.	Open Tool	10:30A	M		
B First Initial Flow Pressure	38 P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C First Final Flow Pressure	38 P.S.I.	Initial Closed-in Pressure	60	Mins.	63	Mins.
D Initial Closed-in Pressure	757 P.S.I.	Second Flow Pressure	45	Mins.	45	Mins.
E Second Initial Flow Pressure	70 P.S.I.	Final Closed-in Pressure	90	Mins.	93	Mins.
F Second Final Flow Pressure	72 P.S.I.					
G Final Closed-in Pressure	753 P.S.I.					
H Final Hydrostatic Mud	1375 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						63	739
P 2						66	741
P 3						69	743
P 4						72	745
P 5						75	747
P 6						78	748
P 7						81	749
P 8						84	750
P 9						87	751
P10						90	752
P11						93	753
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET No. 16696

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation _____ Formation Miss Eff. Pay _____ Ft.

District Augusta Date 10-18-82 Customer Order No. _____

COMPANY NAME TXO TXO Production Corp.

ADDRESS 200 W Douglas Suite 300 Wichita Ks 67202

LEASE AND WELL NO. Mirick #1 COUNTY Cowley STATE Ks Sec. 10 Twp. 30 Rge. 6E

Mail Invoice To TXO Box 329 Medicine Lodge Ks 67104 No. Copies Requested 1
Co. Name Address

Mail Charts To 4 to Washitas 1 to 250 Fidelity Union Tower Dallas Tx No. Copies Requested _____
Address

Formation Test No. 2 Interval Tested From 3048 ft. to 3076 ft. Total Depth 3335 ft.

Packer Depth 3048 ft. Size 6 3/4 in. Packer Depth 3076 ft. Size 6 3/4 in.

Packer Depth 3043 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3052 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 3056 ft. Recorder Number 1049 Cap. 4250

Below Straddle Recorder Depth 3083 ft. Recorder Number 2608 Cap. 4250

Drilling Contractor Rang #11 Drill Collar Length 30 I. D. _____ in.

Mud Type Chem Viscosity 40 Weight Pipe Length 720 I. D. _____ in.

Weight 9.3 Water Loss 11.0 cc. Drill Pipe Length _____ I. D. _____ in.

Chlorides 1400 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 405 Anchor Length 28 ft. Size 5 1/2 in.

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

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

Blow: fair blow throughout test

Recovered 360 ft. of watery mud

Recovered _____ ft. of _____ Chlorides 26,000

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

RECEIVED
OCT 20 1982
KCC WICHITA

Time On Location _____ A.M. P.M. Time Pick Up Tool _____ A.M. P.M. Time Off Location _____ A.M. P.M.

Time Set Packer(s) 12:15 A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____

Initial Hydrostatic Pressure			(A)	1493	P.S.I.	
Initial Flow Period	Minutes 30		(B)	73	P.S.I. to (C)	75 P.S.I.
Initial Closed In Period	Minutes 60		(D)	871	P.S.I.	
Final Flow Period	Minutes 45		(E)	179	P.S.I. to (F)	201 P.S.I.
Final Closed In Period	Minutes 90		(G)	871	P.S.I.	
Final Hydrostatic Pressure			(H)	1493	P.S.I.	

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages 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, of 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Kenny Kuckendall
Signature of Customer or his authorized representative

Western Representative Jerry W. Collins

FIELD INVOICE

Open Hole Test	$ 600.00
Misrun	$ _____
Straddle Test	$ 300.00
Jars	$ 300.00
Selective Zone	$ _____
Safety Joint	$ 65.00
Standby	$ _____
Evaluation	$ _____
Extra Packer	$ 250.00
Circ. Sub.	$ _____
Mileage	$ _____
Fluid Sampler	$ _____
Extra Charts	$ _____
Insurance	$ _____
Telecopier	$ _____
TOTAL	$ 1515.00

Bal. Charts

WESTERN TESTING CO., INC.
Pressure Data

Date 10-18 Test Ticket No. 16696

Recorder No. 2605 Capacity 4150 Location 3052 Ft.

Clock No. — — — — Elevation ——— Well Temperature ——— °F

Point		Pressure	
A	Initial Hydrostatic Mud	1506	P.S.I.
B	First Initial Flow Pressure	67	P.S.I.
C	First Final Flow Pressure	157	P.S.I.
D	Initial Closed-in Pressure	881	P.S.I.
E	Second Initial Flow Pressure	193	P.S.I.
F	Second Final Flow Pressure	209	P.S.I.
G	Final Closed-in Pressure	883	P.S.I.
H	Final Hydrostatic Mud	1473	P.S.I.

	Time Given	Time Computed
Open Tool	12:15 PM	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	63 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	90 Mins.	90 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	67
P 2	5	67
P 3	10	76
P 4	15	98
P 5	20	133
P 6	25	154
P 7	30	157
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	157
3	460
6	678
9	755
12	792
15	816
18	832
21	846
24	853
27	859
30	865
33	868
36	870
39	872
42	874
45	876
48	877
51	878
54	879
57	880
60	881

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

Point Minutes	Press.
0	193
5	5
10	
15	193
20	197
25	202
30	204
35	206
40	208
45	209
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	209
3	736
6	781
9	809
12	827
15	840
18	848
21	855
24	861
27	864
30	867
33	869
36	871
39	873
42	875
45	876
48	877
51	878
54	879
57	880
60	881

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WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 16696

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	
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: _____ Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

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

Point Minutes	Press.

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

Point Minutes	Press.
63	882
66	883
69	(
72	
75	883
78	
81	
84	
87	
90	883
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

WTC - 4

TKT # 16696

2605

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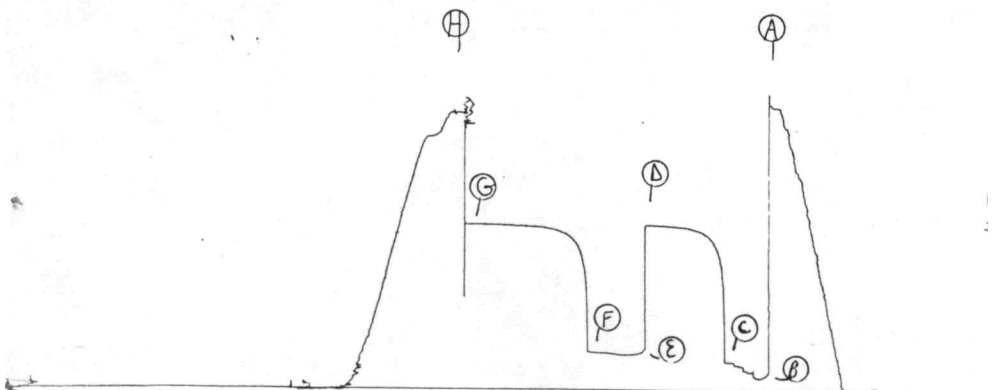
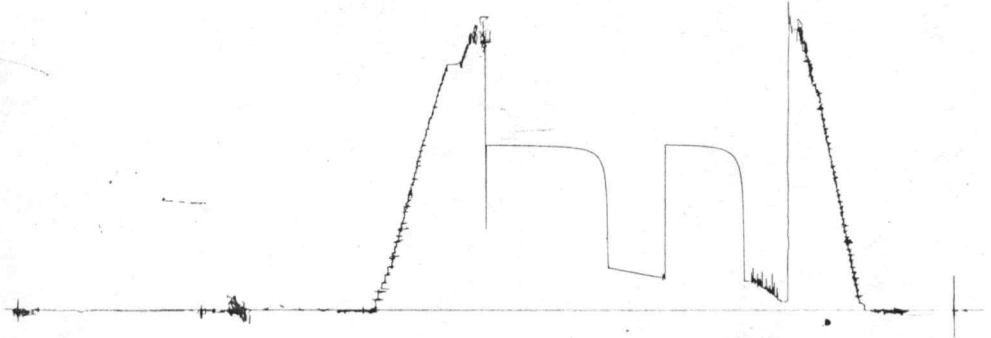
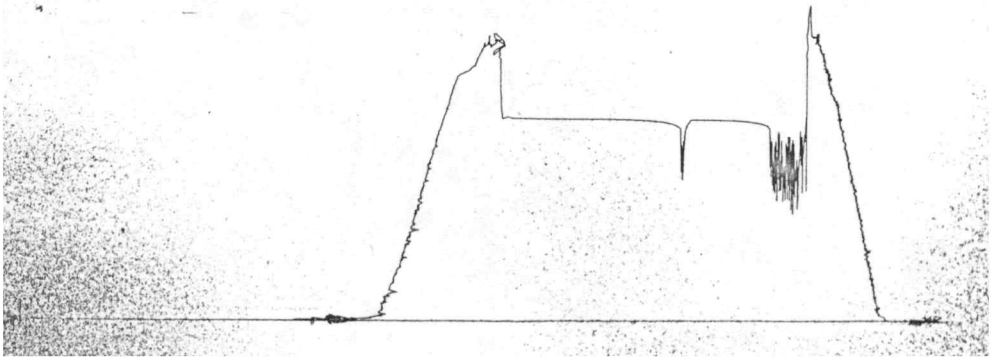


IKT # 16696



TKT # 16696

Below Straddle



Company TXO Production Corp. Lease & Well No. #1 Mirick

Elevation -- Formation Mississippi Effective Pay -- Ft. Ticket No. 16696

Date 10/18/82 Sec. 10 Twp. 30S Range 6E County Cowley State Kansas

Test Approved by Jerry W. Collins Western Representative Kenny Kirkendall

Formation Test No. 2 Interval Tested from 3048 ft. to 3076 ft. Total Depth 3335 ft.

Packer Depth 3048 ft. Size 6 3/4 in. Packer Depth 3076 ft. Size 6 3/4 in.

Packer Depth 3043 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3052 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 3056 ft. Recorder Number 1049 Cap. 4250

Below Straddle Recorder Depth 3083 ft. Recorder Number 2608 Cap. 4250

Drilling Contractor Range Drilling Rig #2 Drill Collar Length 30 I. D. - in.

Mud Type chemical Viscosity 40 Weight Pipe Length 720 I. D. - in.

Weight 9.3 Water Loss 11.0 cc. Drill Pipe Length - I. D. - in.

Chlorides 1,400 P.P.M. Test Tool Length 27 ft. Tool Size 5½ in.

Jars: Make WTC Serial Number 405 Anchor Length 28 ft. Size 5½ in.

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

Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

Blow: Fair blow throughout test.

Recovered 360 ft. of watery mud

Recovered ft. of Chlorides 26,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:15 A.M. P.M. Time Started Off Bottom -- A.M. P.M. Maximum Temperature -

Initial Hydrostatic Pressure ..... (A) 1506 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 67 P.S.I. to (C) 157 P.S.I.

Initial Closed In Period ..... Minutes 63 (D) 881 P.S.I.

Final Flow Period ..... Minutes 45 (E) 193 P.S.I. to (F) 209 P.S.I.

Final Closed In Period ..... Minutes 90 (G) 883 P.S.I.

Final Hydrostatic Pressure ..... (H) 1473 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 10/18/82 Test Ticket No. 16696

Recorder No. 2605 Capacity 4150 Location 3052 Ft.

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

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1506 P.S.I.	Open Tool	12:15P M	
B First Initial Flow Pressure	67 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	157 P.S.I.	Initial Closed-in Pressure	60 Mins.	63 Mins.
D Initial Closed-in Pressure	881 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	193 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	209 P.S.I.			
G Final Closed-in Pressure	883 P.S.I.			
H Final Hydrostatic Mud	1473 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	67
P 2 5	67
P 3 10	76
P 4 15	98
P 5 20	133
P 6 25	154
P 7 30	157
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.
0	157
3	460
6	678
9	755
12	792
15	816
18	832
21	846
24	853
27	859
30	865
33	868
36	870
39	872
42	874
45	876
48	877
51	878
54	879
57	880
60	881
63	881

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

Point Minutes	Press.
0	193
5	193
10	193
15	193
20	197
25	202
30	204
35	206
40	208
45	209

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

Point Minutes	Press.
0	209
3	736
6	781
9	809
12	827
15	840
18	848
21	855
24	861
27	864
30	867
33	869
36	871
39	873
42	875
45	876
48	877
51	878
54	879
57	880
60	881

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WESTERN TESTING CO., INC.
Pressure Data

Date 10/18/82 Test Ticket No. 16696

Recorder No. 2605 Capacity 4150 Location 3052 Ft.

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

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1506 P.S.I.	Open Tool	12:15P M	
B	First Initial Flow Pressure	67 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	157 P.S.I.	Initial Closed-in Pressure	60 Mins.	63 Mins.
D	Initial Closed-in Pressure	881 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	193 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F	Second Final Flow Pressure	209 P.S.I.			
G	Final Closed-in Pressure	883 P.S.I.			
H	Final Hydrostatic Mud	1473 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: 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.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	882
P 2						66	883
P 3						69	883
P 4						72	883
P 5						75	883
P 6						78	883
P 7						81	883
P 8						84	883
P 9						87	883
P10						90	883
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							