



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

Company Texas Oil & Gas Corp. Lease & Well No. Ewy #1
Elevation 1902 Kelly Bushing Formation Morrow Sand Effective Pay - Ft. Ticket No. 24810
Date 6-6-77 Sec. 31 Twp. 32S Range 20W County Commanche State Kansas
Test Approved by K.W. Dahlberg Western Representative Bill Hager

Formation Test No. 1 O.K. Misrun Interval Tested From 5192' to 5224' Total Depth 5224'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 5187 Ft. Size 6 3/4 Bottom Packer Depth 5192 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 5214 Ft. Clock No. 6894 Depth 5217 Ft. Clock No. 5665
Top Make Kuster Cap. 4400 No. 2603 Inside Outside Bottom Make Kuster Cap. 4000 No. 3660 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 8:43 PM
Tool Open I.F.P. From 8:45 P.M. to 9:15 P.M. - Hr. 30 Min. From (B) 58 P.S.I. To (C) 51 P.S.I.
Tool Closed I.C.I.P. From 9:15 P.M. to 10:00 P.M. - Hr. 45 Min (D) 54 P.S.I.
Tool Open F.F.P. From 10:00 P.M. to 10:15 P.M. - Hr. 15 Min. From (E) 53 P.S.I. To (F) 53 P.S.I.
Tool Closed F.C.I.P. From 10:15 P.M. to 10:45 P.M. - Hr. 30 Min. (G) 53 P.S.I.
Initial Hydrostatic Pressure (A) 2537 P.S.I. Final Hydrostatic Pressure (H) 2524 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Very weak blow in initial flow period. Blow died in 15 minutes on final flow period.

Did Well Flow Yes No Recovery Total Ft. 30' drilling mud.

Reversed Out Yes No Mud Type premix Viscosity 37 Weight 9.2 Water Loss 16.0 cc. Chlorides 13000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. 408

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

DRILLING CONTRACTOR XPLOR Drlg. Co. Length Drill Pipe? 4732 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 430 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 62 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 6-6-77 Test Ticket No. 24810
 Recorder No. 2603 Capacity 4400 Location 5214 Ft.
 Clock No. 6894 Elevation 1902 Kelly Bushing Well Temperature 124 °F

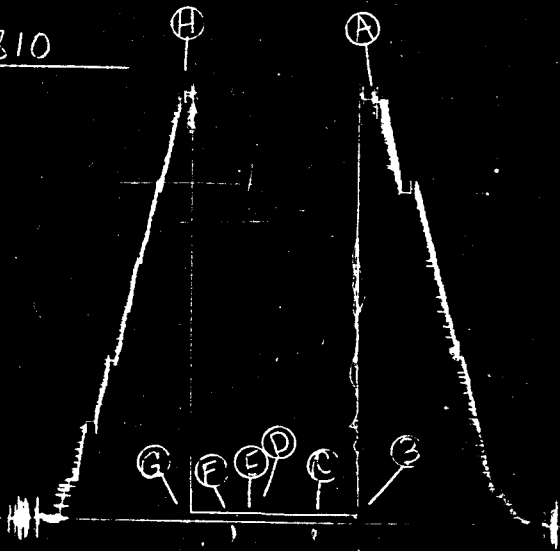
Point	Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2537 P.S.I.	Open Tool	8:43 P.M.	
B	First Initial Flow Pressure	58 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	51 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	54 P.S.I.	Second Flow Pressure	15 Mins.	15 Mins.
E	Second Initial Flow Pressure	53 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	53 P.S.I.			
G	Final Closed-in Pressure	53 P.S.I.			
H	Final Hydrostatic Mud	2524 P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1	58	0	51	0	53	0	53	
P 2	51	3	49	3	53	3	53	
P 3	51	6	49	6	53	6	53	
P 4	51	9	49	9	53	9	53	
P 5	51	12	49	12		12	53	
P 6	51	15	49	15		15	53	
P 7	51	18	49	18		18	53	
P 8		21	49	21		21	53	
P 9		24	49	24		24	53	
P 10		27	49	27		27	53	
P 11		30	49	30		30	53	
P 12		33	50					
P 13		36	50					
P 14		39	53					
P 15		42	54					
P 16		45	54					
P 17								
P 18								
P 19								
P 20								

11000 # 24810

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 24810

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

Formation Morrow Sand Elevation 1902 KB Eff. Pay Ft.

District PRAH Date 6-6-77 Customer Order No.

COMPANY NAME TEXAS OIL & GAS Corp.

ADDRESS 200 W. Douglas Site 300

LEASE AND WELL NO. FWY #1 COUNTY COCKAWAN STATE KS Sec. 31 Twp. 32 S Rge 20 W

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

Mail Charts To Address No. Copies Requested

Formation Test No. 1 O.K. X Misrun Interval Tested From 5192 to 5224 Total Depth 5224

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 5187 Ft. Size 6 3/4 Bottom Packer Depth 5192 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.H. Anchor Length 32 Ft. Size 5 1/2 D. Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5214 Ft. Clock No. 6894 Inside Depth 5217 Ft. Clock No. 5665 Inside

Top Make KOSTER Cap 4400 No. 2603 Outside Bottom Make KOSTER Cap 4000 No. 3660 Outside

Below Straddle: Depth Rec. No. Clock No. Outside Depth Ft. Rec. No. Clock No. Outside

Time Set Packer 8:43 P.M.

Tool Open I.F.P. From 8:45 A.M. to 9:15 M. Hr. 30 Min. From (B) 55 58 P.S.I. To (C) 55 51 P.S.I.

Tool Closed I.C.I.P. From 9:15 M. to 10:00 M. Hr. 45 Min. (D) 55 54 P.S.I.

Tool Open F.F.P. From 10:00 M. to 10:15 M. Hr. 15 Min. From (E) 55 53 P.S.I. To (F) 55 53 P.S.I.

Tool Closed F.C.I.P. From 10:15 M. to 10:45 M. Hr. 30 Min. (G) 55 23 P.S.I.

Initial Hydrostatic Pressure (A) 2533 P.S.I. Final Hydrostatic Pressure (H) 2533 P.S.I. Maximum Temp. 124

INFORMATION

BLOW VERY WEAR BLOW ON I.F.P. - DIED 15 MINUTES ON F.F.P.

Did Well Flow Yes X No Recovery Total Ft. 30 ft. Only mud

Reversed Out Yes X No Mud Type PREMIX Viscosity 37 Weight 9.2 Water Loss 16.0 cc. Chlorides 1300

EXTRA EQUIPMENT: Type Circ. Sub. PIN Safety Joint YES Jars: Size 4800 In. Make W.T.C. Ser. No. 405

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

DRILLING CONTRACTOR EXPLOR Length Drill Pipe 4732 ft. I.D. Drill Pipe 3 In. Tool Joint Size 4 1/2 F.H.

Length Weight Pipe ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 430 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 F.H. In. Length D.S.T. Tool 62 ft.

Remarks

INVOICE SECTION

Table with 2 columns: Item Name and Amount. Items include Open Hole Test, Straddle Test, Jars, Selective Zone, Safety Joint, Misrun, Evaluation, Packer, Circ. Sub., and Total.

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 F.W. Dahlberg Signature of Customer or his Authorized Representative Western Representative Bill Operator's Time Thank you Hrs.

WESTERN TESTING CO., INC.

Pressure Data

Date 6-6-77 Test Ticket No. 24810
 Recorder No. 2603 Capacity 4400 Location S214 Ft.
 Clock No. 6894 Elevation 1902 KB Well Temperature 124 °F

Point	Pressure	P.S.I.	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2537</u>	P.S.I.		<u>8:43 P.M.</u>	
B First Initial Flow Pressure	<u>58</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>51</u>	P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>54</u>	P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>53</u>	P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>53</u>	P.S.I.			
G Final Closed-in Pressure	<u>53</u>	P.S.I.			
H Final Hydrostatic Mud	<u>2524</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: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

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

Final Shut-In
 Breakdown: 10 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	<u>58</u>	0	<u>51</u>	0	<u>53</u>	0	<u>53</u>
P 2 5	<u>51</u>	3	<u>49</u>	5	<u>53</u>	3	<u>53</u>
P 3 10	<u>51</u>	6	<u>49</u>	10	<u>53</u>	6	
P 4 15	↓	9		15	<u>53</u>	9	
P 5 20		12		20		12	
P 6 25		15		25		15	
P 7 30		18		30		18	
P 8 35		21	↓	35		21	
P 9 40		24	↓	40		24	
P10 45		27		45		27	↓
P11 50		30	<u>49</u>	50		30	
P12 55		33	<u>50</u>	55		33	
P13 60		36	<u>50</u>	60		36	
P14		39	<u>53</u>	65		39	
P15		42	<u>54</u>	70		42	
P16		45	<u>54</u>	75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	