



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

Company Texas Oil & Gas Corp. Lease & Well No. Osborn #1
 Elevation 1543 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticker No. 21676
 Date 10-11-77 Sec. 19 Twp. 29S Range 6W County Kingman State Kansas
 Test Approved by Hal Clark Western Representative Guy M. Knipe

Formation Test No. 1 O.K. Misrun Interval Tested From 4117' to 4131' Total Depth 4131'
 Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 4112 Ft. Size 6 3/4 Bottom Packer Depth 4117 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 14 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4123 Ft. Clock No. 6866 Depth 4126 Ft. Clock No. 6789
 Top Make Kuster Cap. 4000 No. 3351 Inside Outside Bottom Make Kuster Cap. 4000 No. 3360 Inside Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 6:28A. M
 Tool Open I.F.P. From 6:30A M. to 7:00A M. - Hr. 30 Min. From (B) 26 P.S.I. To (C) 20 P.S.I.
 Tool Closed I.C.I.P. From 7:00A M. to 8:00A M. - Hr. 60 Min (D) 939 P.S.I.
 Tool Open F.F.P. From 8:00A M. to 8:45A M. - Hr. 45 Min. From (E) 24 P.S.I. To (F) 18 P.S.I.
 Tool Closed F.C.I.P. From 8:45A M. to 10:15A M. - Hr. 90 Min. (G) 1064 P.S.I.
 Initial Hydrostatic Pressure (A) 2002 P.S.I. Final Hydrostatic Pressure (H) 1982 P.S.I. Maximum Temp. 132

INFORMATION

BLOW Strong blow throughout test. Gas to surface after 10 minutes on final flow period,
gas to small to measure. Sample of gas caught in bottle #625.

Did Well Flow Gas Yes No Recovery Total Ft. 65' of gas cut mud. (Chlorides checked: 19,000 PPM)

Reversed Out Yes No Mud Type Drispa Viscosity 50 Weight 9.2 Water Loss 16.2 cc. Chlorides 21,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4 3/4 In. Make W.T.C. Ser. No. 410

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

DRILLING CONTRACTOR H-30 Drlg. (#3) Length Drill Pipe? 3832 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 255 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 H-90 In. Length D.S.T. Tool 44 Ft.

Remarks: Slid tool 2' to bottom.

WESTERN TESTING CO., INC.
Pressure Data

Date 10-11-77 Test Ticket No. 21676
 Recorder No. 3351 Capacity 4000 Location 4123 Ft.
 Block No. 6866 Elevation 1543 Kelly Bushing Well Temperature 132 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	2002	P.S.I.	Open Tool	6:28A. M	
B First Initial Flow Pressure	26	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	20	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	939	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	24	P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	18	P.S.I.			
G Final Closed-in Pressure	1064	P.S.I.			
H Final Hydrostatic Mud	1982	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.

Point	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	26	0	20	0	24	0	18
P 2	15	3	91	5	19	3	79
P 3	14	6	164	10	18	6	147
P 4	14	9	236	15	18	9	214
P 5	19	12	303	20	18	12	270
P 6	20	15	365	25	18	15	330
P 7	20	18	424	30	18	18	385
P 8		21	477	35	18	21	433
P 9		24	529	40	18	24	474
P10		27	577	45	18	27	518
P11		30	622			30	557
P12		33	658			33	596
P13		36	697			36	633
P14		39	733			39	670
P15		42	768			42	708
P16		45	801			45	743
P17		48	833			48	775
P18		51	865			51	805
P19		54	893			54	831
P20		57	920			57	856
		60	939			60	882

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 Recorder No. 3351 Capacity 4000 Location 4123 Ft.
 Clock No. 6866 Elevation 1543 Kelly Bushing Well Temperature 132 °F

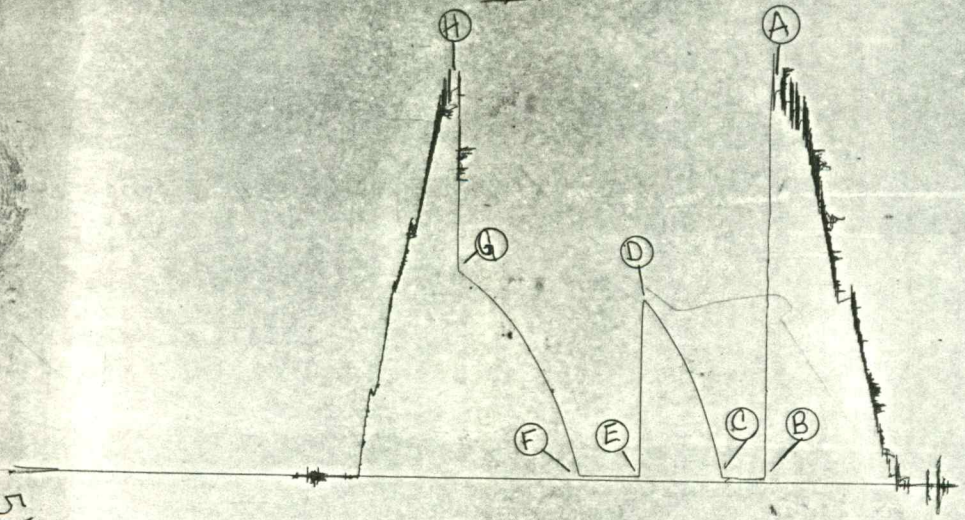
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2002</u> P.S.I.	Open Tool	<u>6:28A.</u> M	
B First Initial Flow Pressure	<u>26</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>20</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>939</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>24</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>18</u> P.S.I.			
G Final Closed-in Pressure	<u>1064</u> P.S.I.			
H Final Hydrostatic Mud	<u>1982</u> P.S.I.			

PRESSURE BREAKDOWN

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>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	904
P 2						66	926
P 3						69	945
P 4						27	964
P 5						75	982
P 6						78	1001
P 7						81	1015
P 8						84	1034
P 9						87	1050
P10						90	1064
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK# 21676
I.



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+KT# 21676

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