



INC.

P. O. Box 1599

Wichita, Kansas 67201

Company Rains & Williamson Oil Co., Inc. Lease & Well No. Rusk #A-1

Elevation 1169 Kelly Bushing Formation Mississippi Effective Pay - - Ft. Ticket No. 25056

Date 3-6-76 Sec. 36 Twp. 32S Range 1W County Sumner State Kansas

Test Approved by Frank M. Brooks Western Representative Charles Branstetter

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 3682' to 3692' Total Depth 3692'

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

Top Packer Depth 3677 Ft. Size 6 3/4 Bottom Packer Depth 3682' 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 10 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3684 Ft. Clock No. 6866 Depth 3687 Ft. Clock No. 6896

Top Make Kuster Cap. 4500 No. 3085 ~~Inside~~ Outside Bottom Make Kuster Cap. 4400 No. 2603 ~~Inside~~ Outside

Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ ~~Inside~~ Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ ~~Inside~~ Outside

Time Set Packer 1:28 P.M.

Tool Open I.F.P. From 1:30P M. to 2:00P M. ☐ Hr. 30 Min. From (B) 71 P.S.I. To (C) 96 P.S.I.

Tool Closed I.C.I.P. From 2:00PM to 2:30P M. ☐ Hr. 30 Min (D) 1433 P.S.I.

Tool Open F.F.P. From 2:30P M. to 3:30P M. ☐ Hr. 60 Min. From (E) 54 P.S.I. To (F) 62 P.S.I.

Tool Closed F.C.I.P. From 3:30PM to 4:00P M. ☐ Hr. 30 Min. (G) 1247 P.S.I.

Initial Hydrostatic Pressure (A) 2017 P.S.I. Final Hydrostatic Pressure (H) 2002 P.S.I. Maximum Temp. 118

INFORMATION

BLOW Weak 1/2" blow diminishing throughout test-

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 65' Muddy water.

Reversed Out ☐ Yes ☒ No Mud Type starch Viscosity 52 Weight 2.3 Water Loss 15. cc. Chlorides 18,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint ☐ Jars: Size ☐ In. Make ☐ Ser. No. ☐

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

DRILLING CONTRACTOR Rains & Williamson Drlg. Co. Length Drill Pipe? 3142 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 510 Ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4H-90 In. Length D.S.T. Tool 30 Ft.

Remarks: Read pressures from outside recorder #2603.

WESTERN TESTING CO., INC.

Pressure Data

Date 3-6-76

Test Ticket No. 25056

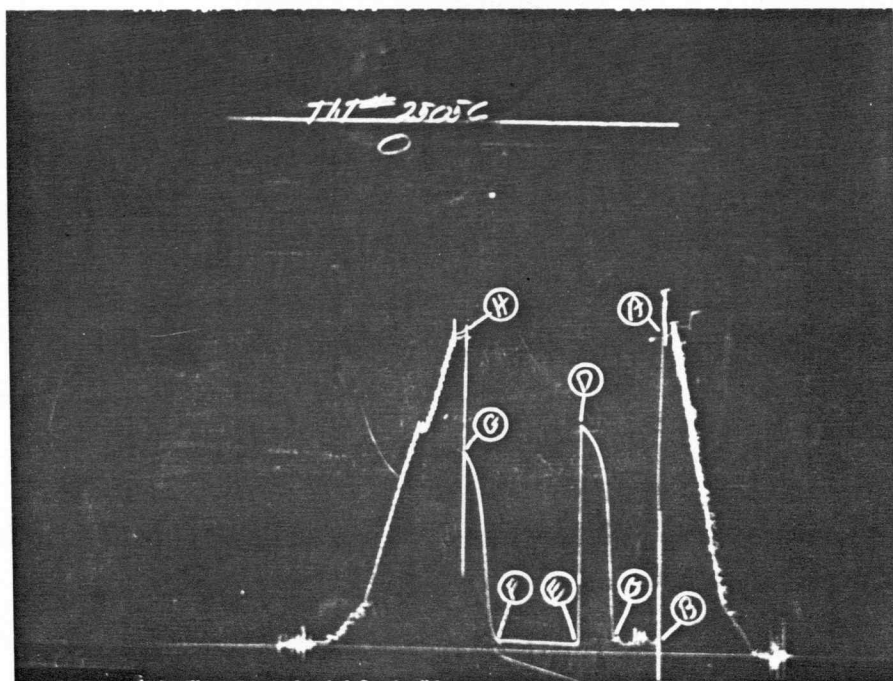
Recorder No. 3085 Capacity 4400 Location 3687 Ft.

Clock No. 6896 Elevation 1169 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2017 P.S.I.	Open Tool	1:28 P. M.	
B First Initial Flow Pressure	71 P.S.I.	First Flow Pressure	30 Mins.	35 Mins.
C First Final Flow Pressure	96 P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D Initial Closed-in Pressure	1433 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	54 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	62 P.S.I.			
G Final Closed-in Pressure	1247 P.S.I.			
H Final Hydrostatic Mud	2002 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>6</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	71	0	96	0	54	0	62
P 2 5	plugging action 69	3	593	5	50	3	80
P 3 10	plugging action 100	6	965	10	50	6	145
P 4 15	plugging action 59	9	1129	15	53	9	291
P 5 20	56	12	1231	20	54	12	535
P 6 25	52	15	1299	25	55	15	790
P 7 30	81	18	1345	30	56	18	971
P 8 35	plugging action 98	21	1379	35	57	21	1085
P 9		24	1410	40	58	24	1159
P10		27	1433	45	59	27	1211
P11				50	60	30	1247
P12				55	61		
P13				60	62		
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	1900	2017
(B) First Initial Flow Pressure	45	71
(C) First Final Flow Pressure	67	96
(D) Initial Closed-in Pressure	1355	1433
(E) Second Initial Flow Pressure	45	54
(F) Second Final Flow Pressure	56	62
(G) Final Closed-in Pressure	1167	1247
(H) Final Hydrostatic Mud	1877	2002

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