



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

Company Triangle Drilling Co. Lease & Well No. _____ Price # 3
Elevation 1351 Kelly Bush. Formation Mississippi Effective Pay _____ Ft. Ticket No. 22694
Date 10-9-77 Sec. 20 Twp. 29S Range 6E County Butler State Kansas
Test Approved by Robert R. Boley Western Representative Sam McClune

Formation Test No. 1 O.K. Misrun Interval Tested From 2775' to 2790' Total Depth 2790'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 2770 Ft. Size 6 3/4 Bottom Packer Depth 2775 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 15 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2781 Ft. Clock No. 6896 Depth 2786 Ft. Clock No. 10167
Top Make Kuster Cap. 4200 No. 1558 Inside Outside Bottom Make Kuster Cap. 4200 No. 1559 Inside Outside
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside Outside Depth _____ Ft. Rec. No. _____ Clock No. _____ Inside Outside

Time Set Packer 3:27P. M
Tool Open I.F.P. From 3:30P M. to _____ M. _____ Hr. _____ Min. From (B) _____ P.S.I. To (C) _____ P.S.I.
Tool Closed I.C.I.P. From _____ M. to _____ M. _____ Hr. _____ Min (D) _____ P.S.I.
Tool Open F.F.P. From _____ M. to _____ M. _____ Hr. _____ Min. From (E) _____ P.S.I. To (F) _____ P.S.I.
Tool Closed F.C.I.P. From _____ M. to _____ M. _____ Hr. _____ Min. (G) _____ P.S.I.
Initial Hydrostatic Pressure (A) 1468 P.S.I. Final Hydrostatic Pressure (H) 1456 P.S.I. Maximum Temp. _____

INFORMATION

BLOW Misrun
Did Well Flow Yes No Recovery Total Ft. Misrun

Reversed Out Yes No Mud Type Chem Viscosity 54 Weight 10.2 Water Loss 9.6 cc. Chlorides 2400 PPM
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint _____ Jars: Size _____ In. Make _____ Ser. No. _____
Dual Packer Yes Did Packers Hold? No Did Tool Plug? No Where? _____

DRILLING CONTRACTOR Triangel Drilling Length Drill Pipe? 2424 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe 240 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size H-90 In. Length Drill Collars 90 Ft. I.D. Drill Collars 2.25 In.
Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 36 Ft.

Remarks: Packer seat failure, tried to reset packer, packers still did not hold.

TK# 22694

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Company Triangle Drilling Co. Lease & Well No. Price #3
 Elevation 1351 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 22695
 Date 10-9-77 Sec. 20 Twp. 29s Range 6E County Butler State Ks
 Test Approved by Robert R. Boley Western Representative Sam McClune

Formation Test No. 2 O.K. Misrun Interval Tested From 2782' to 2790' Total Depth 2790'
 Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 2777 Ft. Size 6 3/4 Bottom Packer Depth 2782 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 8 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2772 (ap) Ft. Clock No. 6896 Depth 2784 Ft. Clock No. 10167
 Top Make Kuster Cap. 4200 No. 1558 Inside Outside
 Bottom Make Kuster Cap. 4200 No. 1559 Inside Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside

Time Set Packer 6:48P. M
 Tool Open I.F.P. From 6:50P. M. to 7:20P M. - Hr. 30 Min. From (B) 11 P.S.I. To (C) 19 P.S.I.
 Tool Closed I.C.I.P. From 7:20PM. to 7:50P M. - Hr. 30 Min (D) 629 P.S.I.
 Tool Open F.F.P. From 7:50P M. to 9:20 M. - Hr. 90 Min. From (E) 40 P.S.I. To (F) 48 P.S.I.
 Tool Closed F.C.I.P. From 9:20PM. to 10:05PM. - Hr. 45 Min. (G) 633 P.S.I.
 Initial Hydrostatic Pressure (A) 1492 P.S.I. Final Hydrostatic Pressure (H) 1477 P.S.I. Maximum Temp. 108

INFORMATION

BLOW Fair increasing blow on initial flow period, weak to fair increasing very slowly on final flow period.

Did Well Flow - Yes No Recovery Total Ft. 80' slightly oil and gas cut mud, 120' gas in pipe.

Reversed Out - Yes No Mud Type Chem. Viscosity 54 Weight 10.2 Water Loss 9.6 cc. Chlorides 2400 PPM

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 Triangle drlg. Length Drill Pipe? 2425 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe 240 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 H 100 Length Drill Collars 90 Ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 35 Ft.

Remarks:

Hit two bridges going to bottom

WESTERN TESTING CO., INC.

Pressure Data

Date 10-9-77

Test Ticket No. 22695

Recorder No. 1558

Capacity 4200

Location 2772 (AD) Ft.

Clock No. 6896

Elevation 1351 Kelly Bushing

Well Temperature 108 °F

Point	Pressure			Time Given		Time Computed	
		P.S.I.			M	Mins.	Mins.
A Initial Hydrostatic Mud	1492	P.S.I.	Open Tool	6:48P			
B First Initial Flow Pressure	11	P.S.I.	First Flow Pressure	30	Mins.	30 Mins.	
C First Final Flow Pressure	19	P.S.I.	Initial Closed-in Pressure	30	Mins.	30 Mins.	
D Initial Closed-in Pressure	629	P.S.I.	Second Flow Pressure	90	Mins.	90 Mins.	
E Second Initial Flow Pressure	40	P.S.I.	Final Closed-in Pressure	45	Mins.	45 Mins.	
F Second Final Flow Pressure	48	P.S.I.					
G Final Closed-in Pressure	633	P.S.I.					
H Final Hydrostatic Mud	1477	P.S.I.					

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	6		10		18		15	
	of 5 mins.		of 3 mins.		of 5 mins.		of 3 mins.	
	and a		and a		and a		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	0 11	0	19	0	40	0	48	
P 2	5 13	3	61	3	36	3	93	
P 3	10 15	6	131	6	37	6	152	
P 4	15 16	9	221	9	38	9	217	
P 5	20 17	12	306	12	39	12	281	
P 6	25 18	15	390	15	40	15	338	
P 7	30 19	18	460	18	40	18	430	
P 8		21	512	21	41	21	470	
P 9		24	558	24	41	24	504	
P10		27	594	27	42	27	533	
P11		30	629	30	42	30	558	
P12				33	43	33	579	
P13				36	44	36	598	
P14				39	44	39	614	
P15				42	45	42	633	
P16				45	46	45		
P17				47	47			
P18				48	48			
P19								
P20								

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