WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 (316) 793-7903

Company Pickrell Drilling Co. Lease & Well No. Kurz A-1

Elevation 1821 Derrick Floor Formation Kansas City Effective Pay Ft. Ticket No. 10999

Date 4-23-69 Sec. 29 Twp. 34 Range 16 County Commanche State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Leon Elmore

Formation Test No. 1 O.K. X Misrun Interval Tested From 4934' to 5000' Total Depth 5000'

Size Main Hole 7 7/8 Rat Hole Conv. X B.T. Damaged Yes X No Conv. X B.T. Damaged Yes X No

Packer Depth 4929 Ft. Size 6 3/4" Packer Depth 4934 Ft. Size 6 3/4"

Straddle Yes No X Conv. B.T. Damaged Yes No

Packer Depth Ft. Size

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 66 Ft. Size 31' D.C.-35'-5½"

RECORDERS Depth 4954 Ft. Clock No. 6866 Depth 4957 Ft. Clock No. 8377

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

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

Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 1:08 PM

Tool Open I.F.P. From 1:10 M. to 1:15P. M. Hr. 5 Min. From (B) 31 P.S.I. To (C) 28 P.S.I.

Tool Closed I.C.I.P. From 1:15 M. to 1:45P M. Hr. 30 Min. (D) 509 P.S.I.

Tool Open F.F.P. From 1:45 M. to 2:25P. M. Hr. 40 Min. From (E) 33 P.S.I. To (F) 38 P.S.I.

Tool Closed F.C.I.P. From 2:25 M. to 3:10P. M. Hr. 45 Min. (G) 109 P.S.I.

Initial Hydrostatic Pressure (A) 2603 P.S.I. Final Hydrostatic Pressure (H) 2581 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	3/4 In.		M.	
			M.	
			M.	

BLOW Weak for 5 minutes Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 25 feet mud

Reversed Out Yes X No Mud Type Starch Viscosity 45 Weight 9.5 Water Loss 10.8 cc. Maximum Temp. 123 °F

Type Circ. Sub. Plug Did Tool Plug? No Jars: Size 4½" Make WTC Ser. No. 408

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where?

Length Drill Pipe 4035 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 840 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 125 ft.

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 62 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 4-23-69 Test Ticket No. 10999

Recorder No. 3085 Capacity 4500 Location 4954 Ft.

Clock No. 6866 Elevation 1821 Derrick Floor Well Temperature 125 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2603 P.S.I.	Open Tool	1:08P. M	
B	First Initial Flow Pressure	31 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C	First Final Flow Pressure	28 P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D	Initial Closed-in Pressure	509 P.S.I.	Second Flow Pressure	40 Mins.	40 Mins.
E	Second Initial Flow Pressure	33 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	38 P.S.I.			
G	Final Closed-in Pressure	109 P.S.I.			
H	Final Hydrostatic Mud	2581 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 1 Inc. of 5 mins. and a final inc. of _____ Min.

Initial Shut-In
Breakdown: 9 Inc. of 3 mins. and a final inc. of _____ Min.

Second Flow Pressure
Breakdown: 8 Inc. of 5 mins. and a final inc. of _____ Min.

Final Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of _____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	31	0	28	0	33	0	38
P 2 5	28	3	38	5	33	3	43
P 3		6	69	10	33	6	47
P 4		9	105	15	33	9	50
P 5		12	160	20	38	12	52
P 6		15	229	25	38	15	57
P 7		18	296	30	38	18	59
P 8		21	310	35	38	21	62
P 9		24	440	40	38	24	64
P10		27	509			27	66
P11						30	76
P12						33	83
P13						36	88
P14						39	95
P15						42	105
P16						45	109
P17							
P18							
P19							
P20							

Pickrell Drilling Company
Kurz # A-1

TKT-10999
Test #1