



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 6719

P. O. BOX 1599 WICHITA, KANSAS 67201

Elevation 22776.6, Formation _____, Eff. Pay _____ Ft.

District Wakeeney Date 2-3-85

COMPANY NAME Pickrell Drilling Company Customer Order No. _____

ADDRESS 110 N. Market Suite 205 Wichita Ks.

LEASE AND WELL NO. Cline # 1-C COUNTY Ness STATE Ks. Sec. 15 Twp 16 S R 20 E

Mail Invoice To same Address No. Copies Requested 5

Mail Charts To # 1 'C' CLINE same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested From 4108 ft. to 4147 ft. Total Depth 4147 ft.

Packer Depth 4103 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4108 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4129 ft. Recorder Number 4376 Cap. 4000

Bottom Recorder Depth (Outside) 4132 ft. Recorder Number 6234 Cap. 4500

Below Saddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Pickrell # 10 Drill Collar Length 180 I. D. 2.5 in.

Mud Type Chem Viscosity 49 Weight Pipe Length _____ I. D. _____ in.

Weight 9.3 Water Loss 12 cc. Drill Pipe Length 3908 I. D. 3.6 in.

Chlorides 15,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 39 ft. Size 5 1/2 in.

Did Well Flow? _____ Reversed Out _____ Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7/8 in. Tool Joint Size 4 1/2 in.

Blow: I.F.P. Very weak Dead FN 15 min. E.F.P. NO Blow

Recovered 70 ft. of mud

Recovered _____ ft. of _____

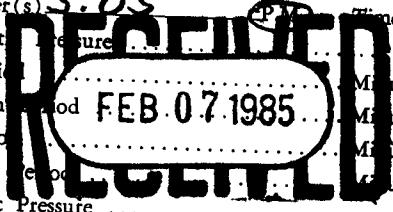
Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides 12,000 P.P.M. Sample Jars used 1 Remarks: Slid 10' to Bottom Flush tool F.F.P OUT OF HOLE

Table with 4 columns: Time On Location, Time Pick Up Tool, Time Off Location, Time Set Packer(s). Includes values like 12:30, 1:00, 3:05, 4:15 and pressure readings (A) 2122 P.S.I., (B) 71 P.S.I., (C) 71 P.S.I., (D) 142 P.S.I., (E) 71 P.S.I., (F) 60 P.S.I., (G) _____ P.S.I., (H) 2092 P.S.I.



COMPANY TERMS Western Testing Co., Inc. shall not be liable for damages 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, of 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount. Test Approved By: [Signature] Signature of Customer or his authorized representative

FIELD INVOICE table with items: Open Hole Test \$595, Misrun \$, Straddle Test \$, Jars \$, Selective Zone \$, Safety Joint \$, Standby \$, Evaluation \$, Extra Packer \$, Circ. Sub. \$, Mileage \$, Fluid Sampler \$

Western Representative: [Signature] 1135

WESTERN TESTING CO., INC.

Pressure Data

Date 2-3-85 Test Ticket No. 6719
 Recorder No. 4376 Capacity _____ Location _____
 Clock No. _____ Elevation _____ Well Temperature _____

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2118</u> P.S.I.		M
B First Initial Flow Pressure	<u>71</u> P.S.I.	<u>30</u> Mins.	Mir
C First Final Flow Pressure	<u>71</u> P.S.I.	<u>30</u> Mins.	Mir
D Initial Closed-in Pressure	<u>121</u> P.S.I.	<u>10</u> Mins.	Mir
E Second Initial Flow Pressure	<u>77</u> P.S.I.		
F Second Final Flow Pressure	<u>73</u> P.S.I.		
G Final Closed-in Pressure			
H Final Hydrostatic Mud	<u>2108</u> P.S.I.		

Open Tool _____
 First Flow Pressure _____
 Initial Closed-in Pressure _____
 Second Flow Pressure _____
 Final Closed-in Pressure _____

** flush test*

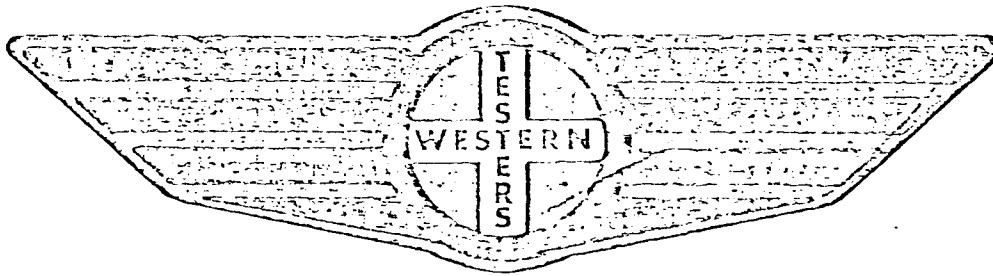
PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	of	Breakdown:	of	Breakdown:	of	Breakdown:	of
	<u>7</u> Inc.	<u>5</u> mins.	<u>10</u> Inc.	<u>3</u> mins.	<u>3</u> Inc.	<u>5</u> mins.		<u>3</u> mins.
		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	<u>71</u>	0	<u>71</u>	0	<u>77</u>	0		
P 2 5		3	<u>72</u>	5	<u>*73</u>	3		
P 3 10		6	<u>77</u>	10	<u>73</u>	6		
P 4 15		9	<u>82</u>	15		9		
P 5 20		12	<u>89</u>	20		12		
P 6 25		15	<u>96</u>	25		15		
P 7 30	<u>71</u>	18	<u>102</u>	30		18		
P 8 35		21	<u>108</u>	35		21		
P 9 40		24	<u>115</u>	40		24		
P10 45		27	<u>121</u>	45		27		
P11 50		30		50		30		
P12 55		33		55		33		
P13 60		36		60		36		
P14 65		39		65		39		
P15 70		42		70		42		
P16 75		45		75		45		
P17 80		48		80		48		
P18 85		51		85		51		
P19 90		54		90		54		
P20 95		57		95		57		
100		60		100		60		

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company PICKRELL DRILLING COMPANY Lease and Well No. #1 "C" CLINE Sec. 15 Twp. 16S Rge. 21W Test No. 1 Date 2/3/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/3/85
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 1 TEST: 1
ELEVATION (KB): 2282 FORMATION:
SECTION: 15 TOWNSHIP: 16S
RANGE: 21W COUNTY: NESS STATE: KANSAS
GAUGE SN #4376 RANGE: 4000 CLOCK: 12

TICKET #6719
LEASE: "C" CLINE
GEOLOGIST: FUNK

INTERVAL TEST FROM: 4108 FT TO: 4147 FT TOTAL DEPTH: 4147 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4103 FT SIZE: 6 3/4 IN PACKER DEPTH: 4108 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLG
MUD TYPE: CHEMICAL VISCOSITY: 49
WEIGHT: 9.3 WATER LOSS (CC): 12.0
CHLORIDES (P.P.M.): 15000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: 180 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3908 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 39 FT SIZE: 5 1/2 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD VERY WEAK BLOW.
DIED IN 15 MINUTES. FINAL FLOW
PERIOD NO BLOW. FLUSHED TOOL.
OUT OF HOLE.

RECOVERED: 70 FT OF: MUD.
RECOVERED: FT OF: CHLORIDES 12000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
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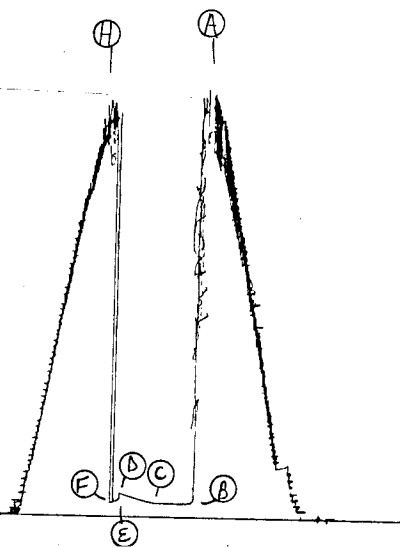
REMARKS: SLID 10 FEET TO BOTTOM.

TIME SET PACKER(S): 3:05 PM TIME STARTED OFF BOTTOM: 4:15 PM
WELL TEMPERATURE: 112 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2118 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 71 PSI TO (C) 71 PSI
INITIAL CLOSED IN PERIOD MIN: 27 (D) 121 PSI
FINAL FLOW PERIOD MIN: 10 (E) 77 PSI TO (F) 73 PSI
FINAL CLOSED IN PERIOD MIN: 0 (G) 0 PSI
FINAL HYDROSTATIC PRESSURE (H) 2108 PSI

TKT # 6719

1216
DST1

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TKT # 6719

DST 1

