



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 10310

P. O. BOX 1599 PHONE (316) 262-5861

Elevation 1636 KB Formation Lansing Eff. Pay Ft.

WICHITA, KANSAS 67201

COMPANY NAME Rains & Williamson Oil Co. Inc. District 11 Date 6/11/85 Customer Order No.

ADDRESS 435 Page Court 220 West Douglas Wichita 67202

LEASE AND WELL NO Anschutz #B-1 COUNTY Russell STATE KS Sec 32 Twp 12S Rge 13W

Mail Invoice To James #1 'B' Anschutz Co. Name Address No. Copies Requested 5

Mail Charts To Address No. Copies Requested 5

Formation Test No. 1 Interval Tested From 2847 ft. to 2877 ft. Total Depth 2877 ft.

Packer Depth 2847 ft. Size 6 5/8 in. Packer Depth X ft. Size X in.

Packer Depth 2847 ft. Size 6 5/8 in. Packer Depth X ft. Size X in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2869 ft. Recorder Number 13547 Cap. 4200

Bottom Recorder Depth (Outside) 2873 ft. Recorder Number 13401 Cap. 3950

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Co. tool Rig #9 Rains & Williamson Drill Collar Length 120 I. D. 2 1/2 in.

Mud Type Starch Viscosity 47 Weight Pipe Length I. D. in.

Weight 9.4 Water Loss 11.6 cc. Drill Pipe Length 2706 I. D. in.

Chlorides 24,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.

Jars: Make Serial Number Anchor Length 30 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No 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 x 4 in.

Flow: 1" flow decreasing somewhat at end of period

Flow: 1/4" flow, decreasing to only a weak surface blow

Recovered ft. of

Recovered 75' ft. of Drilling Mud-

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used 2 Remarks: Slid 3' to Bottom -

Remarks: Lcm - 8 to 12" (due to Spotting)

Time On Location 2:30 A.M. Time Pick Up Tool 3:20 P.M. Time Off Location 8:40 A.M.

Time Set Packer(s) 4:40 P.M. Time Started Off Bottom 6:40 P.M. Maximum Temperature 98+

Initial Hydrostatic Pressure (A) 1500 P.S.I.

Initial Flow Period Minutes 30 (B) 74 P.S.I. to (C) 74 P.S.I.

Initial Closed In Pressure Minutes 30 (D) 727 P.S.I.

Final Flow Period Minutes 30 (E) 84 P.S.I. to (F) 95 P.S.I.

Final Closed In Pressure Minutes 30 (G) 455 P.S.I.

Final Hydrostatic Pressure (H) 1458 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 Mike Engelbert Signature of Customer or his authorized representative

Western Representative. Done C. Burkhardt

FIELD INVOICE

Open Hole Test \$550-
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$

WESTERN TESTING CO., INC.

Pressure Data

Date 6-11

Test Ticket No. 1031C

Recorder No. 13547

Capacity _____ Location _____ F

Clock No. _____ Elevation _____ Well Temperature _____ °

Point	Pressure	Open Tool	Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1500</u> P.S.I.			
B. First Initial Flow Pressure	<u>72</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Min
C. First Final Flow Pressure	<u>77</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Min
D. Initial Closed-in Pressure	<u>715</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Min
E. Second Initial Flow Pressure	<u>81</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Min
F. Second Final Flow Pressure	<u>95</u> P.S.I.			
G. Final Closed-in Pressure	<u>451</u> P.S.I.			
H. Final Hydrostatic Mud	<u>1431</u> P.S.I.			

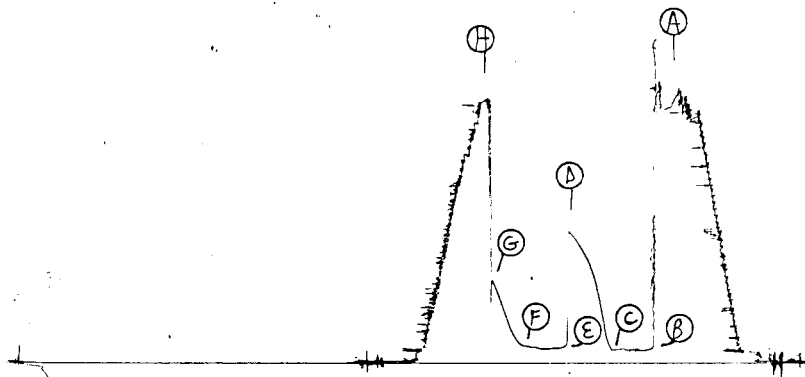
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>10</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	<u>72</u>	0	<u>77</u>	0	<u>81</u>	0	<u>95</u>
P 2 5	<u>72</u>	3	<u>113</u>	5	<u>1</u>	3	<u>100</u>
P 3 10	<u>72</u>	6	<u>218</u>	10	<u>1</u>	6	<u>113</u>
P 4 15	<u>76</u>	9	<u>335</u>	15	<u>1</u>	9	<u>144</u>
P 5 20	<u>76</u>	12	<u>431</u>	20	<u>81</u>	12	<u>193</u>
P 6 25	<u>77</u>	15	<u>504</u>	25	<u>89</u>	15	<u>252</u>
P 7 30	<u>77</u>	18	<u>558</u>	30	<u>95</u>	18	<u>316</u>
P 8 35		21	<u>600</u>	35		21	<u>378</u>
P 9 40		24	<u>640</u>	40		24	<u>428</u>
P10 45		27	<u>675</u>	45		27	<u>451</u>
P11 50		30	<u>704</u>	50		30	
P12 55		33	<u>715</u>	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	

13547-51

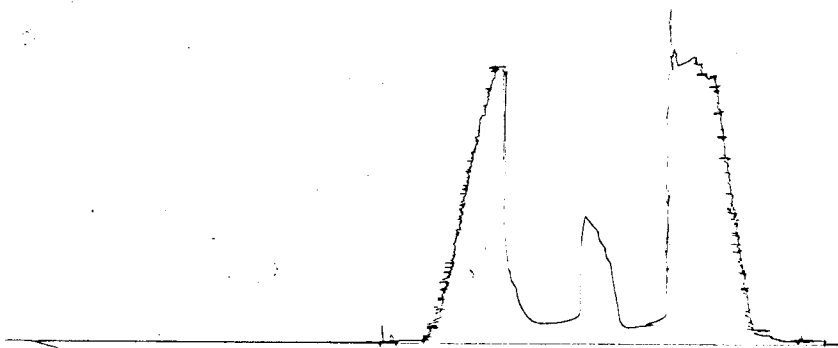
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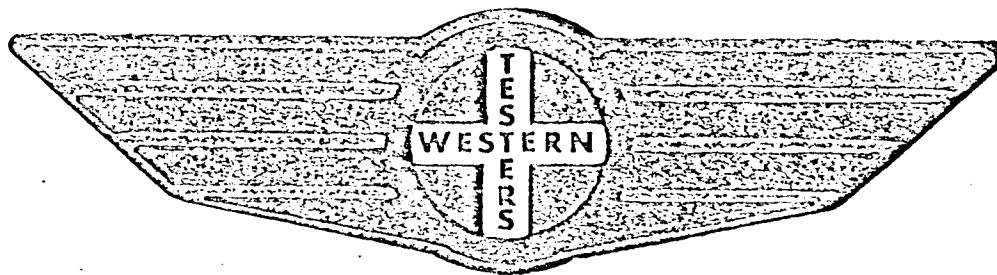
TKT # 10310



FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6-11-85

CUSTOMER: RAINS & WILLIAMSON OIL CO INC

WELL: 1

TEST: 1

ELEVATION (KB): 1636

FORMATION: LANSING

SECTION: 32

TOWNSHIP: 12S

RANGE: 13W

COUNTY: RUSSELL

STATE: KANSAS

GAUGE SN #13547

RANGE: 4200

CLOCK: 12

TICKET #10310

LEASE: "B" ANSCHUTZ

GEOLOGIST: M. ENGELBRECHT

INTERVAL TEST FROM: 2847 FT TO: 2877 FT TOTAL DEPTH: 2877 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2842 FT SIZE: 6 5/8 IN PACKER DEPTH: 2847 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON #9

MUD TYPE: STARCH

VISCOSITY: 47

WEIGHT: 9.4

WATER LOSS (CC): 11.6

CHLORIDES (P.P.M.): 24000

JARS - MAKE:

SERIAL NUMBER:

DID WELL FLOW? NO

REVERSED OUT? NO

DRILL COLLAR LENGTH: 120 FT I.D.: 2.25 IN

WEIGHT PIPE LENGTH: FT I.D.: IN

DRILL PIPE LENGTH: 2706 FT I.D.: IN

TEST TOOL LENGTH: 21 FT TOOL SIZE: 4 3/4 IN

ANCHOR LENGTH: 30 FT SIZE: 5 1/2 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 WEAK 1" BLOW
DECREASING SOMEWHAT AT END OF PERIOD.
FINAL FLOW PERIOD VERY WEAK 1/4" BLOW;
DECREASING TO A WEAK SURFACE BLOW.

RECOVERED: 75	FT	OF: DRILLING MUD.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS: SLID 3 FEET TO BOTTOM.
LCM - 8 TO 12 (DUE TO SPOTTING).

TIME SET PACKER(S): 4:40 PM

TIME STARTED OFF BOTTOM: 6:40 PM

WELL TEMPERATURE: 98 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 1500 PSI

INITIAL FLOW PERIOD MIN: 30

(B) 72 PSI TO (C) 77 PSI

INITIAL CLOSED IN PERIOD MIN: 33

(D) 715 PSI

FINAL FLOW PERIOD MIN: 30

(E) 81 PSI TO (F) 95 PSI

FINAL CLOSED IN PERIOD MIN: 27

(G) 451 PSI

FINAL HYDROSTATIC PRESSURE

(H) 1431 PSI

