



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 4149

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1319 KB Formation Bartlesville Eff. Pay Ft.

C150 District Augusta Date 4-10-84 Customer Order No.

COMPANY NAME Crawford Oil Company

ADDRESS R.R. #1 P.O. Box 1366 Eldorado Kans. 67042

LEASE AND WELL NO. Clark #3 COUNTY Butler STATE KS Sec. 35 Twp. 28 S Rge. 5E

Mail Invoice To Same #3 Clark No. Copies Requested 1

Mail Charts To Same 51 Copy Rep Ashlock 101 S. 8th St Address Eldorado KS 67042 No. Copies Requested 5

Formation Test No. 1 Interval Tested From 2760 ft. to 2785 ft. Total Depth 2785 ft.

Packer Depth 2760 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 2755 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2777 ft. Recorder Number 13266 Cap. 4200

Bottom Recorder Depth (Outside) 2780 ft. Recorder Number 13268 Cap. 4225

Below Saddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor White & Ellis Drilling #4 Drill Collar Length 240 I. D. 2 1/4 in.

Mud Type Chem Viscosity 42 Weight Pipe Length I. D. in.

Weight 9.5 Water Loss 12 cc. Drill Pipe Length 2500 I. D. 3.8 in.

Chlorides 1400 P.P.M. Test Tool Length 20 ft. Tool Size 4 1/2 in.

Jars: Make Serial Number Anchor Length 25 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 1/8 in. Tool Joint Size 4 1/2 in.

Blow: 24 inch to very weak @ end of test

Recovered 180 ft. of Slightly muddy salt water with trace gravel

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides 54,000 P.P.M. Sample Jars used 2 Remarks:

RECEIVED
APR 11 1984

Time On Location 2:00 4:10 A.M. Time Pick Up Tool 3:30 A.M. Time Off Location Standby A.M.

Time Set Packer(s) 4:45 A.M. Time Started Off Bottom 7:45 A.M. Maximum Temperature 108

Initial Hydrostatic Pressure (A) 1375 P.S.I.

Initial Flow Period Minutes 45 (B) 30 P.S.I. to (C) 60 P.S.I.

Initial Closed In Period Minutes 45 (D) 205 P.S.I.

Final Flow Period Minutes 45 (E) 100 P.S.I. to (F) 100 P.S.I.

Final Closed In Period Minutes 45 (G) 205 P.S.I.

Final Hydrostatic Pressure (H) 1365 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 R.R. Ashlock Signature of Customer or his authorized representative

Western Representative Norman Allen

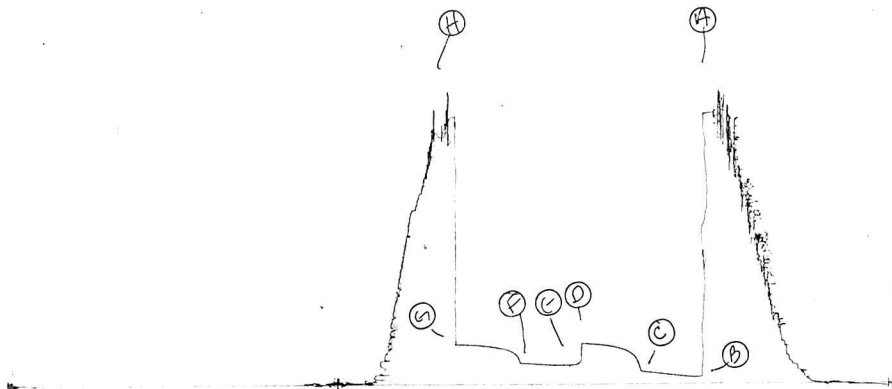
FIELD INVOICE 550.00

Open Hole Test \$ 550.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$ 50.00
Telecopier \$
TOTAL \$ 600.00

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4CK# 4149

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13268

DST#1

4149

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 4/10/84
CUSTOMER: CRAWFORD OIL COMPANY
WELL: 3 TEST: 1
ELEVATION (KB): 1319 FORMATION: BARTLESVILLE
SECTION: 35 TOWNSHIP: 28S
RANGE: 5E COUNTY: BUTLER STATE: KANSAS
GAUGE SN #13266 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 2760 FT TO: 2785 FT TOTAL DEPTH: 2785 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2760 FT SIZE: 6 3/4 IN Packer DEPTH: 2755 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHITE & ELLIS
MUD TYPE: CHEM VISCOSITY: 42
WEIGHT: 9.5 WATER LOSS (CC): 12.0
CHLORIDES (P.P.M.): 1400
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 240 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2500 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 25 FT SIZE: 5 1/2 O.D. 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: WEAK TO VERY WEAK @ END OF TEST.

RECOVERED: 180 FT OF: SLIGHTLY MUDDY SALT WATER WITH TRACE OF OIL
RECOVERED: FT OF: CHLORIDES 54000 P.P.M.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 4:45 A.M. TIME STARTED OFF BOTTOM: 7:45 A.M.
WELL TEMPERATURE: 108 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1380 PSI
INITIAL FLOW PERIOD MIN: 45 (B) 34 PSI TO (C) 66 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 209 PSI
FINAL FLOW PERIOD MIN: 45 (E) 107 PSI TO (F) 107 PSI
FINAL CLOSED IN PERIOD MIN: 48 (G) 204 PSI
FINAL HYDROSTATIC PRESSURE (H) 1368 PSI

