



WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET N<sup>o</sup> 10883

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

Elevation 1326 KB Formation Miss Eff. Pay \_\_\_\_\_ Ft.

District 13 Augusta Date 9-20-85 Customer Order No. \_\_\_\_\_

COMPANY NAME Range Oil Co. Inc.

ADDRESS 240 Page Ct. 220 W. Douglas Wichita, Ks 67202

LEASE AND WELL NO. Nelson C #2 COUNTY Saline STATE Ks Sec. 18 Twp. 16S Rge. 1W

Mail Invoice To Same No. Copies Requested 1

Mail Labels To #2 C Nelson Address Same No. Copies Requested 5

Formation Test No. 1 Interval Tested From 2643 ft. to 2703 ft. Total Depth 2703 ft.

Packer Depth 2638 ft. Size 6.75 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 2643 ft. Size 6.75 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 2660 ft. Recorder Number 5666 Cap 3950

Bottom Recorder Depth (Outside) 2664 ft. Recorder Number 3301 Cap 3925

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap \_\_\_\_\_

Drilling Contractor Range #1 Drill Collar Length 145 I. D. 2.25 in.

Mud Type Chum Viscosity 47 Weight Pipe Length \_\_\_\_\_ I. D. \_\_\_\_\_ in.

Weight 10.0 Water Loss 14.4 cc. Drill Pipe Length 2478 I. D. 3.8 in.

Chlorides 2400 P.P.M. Test Tool Length 20 ft. Tool Size 5.5 in.

Jars: Make \_\_\_\_\_ Serial Number \_\_\_\_\_ Anchor Length 60 ft. Size 5.5 in.

Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Surface Choke Size .75 in. Bottom Choke Size .75 in.

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

Blow: \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of

Recovered \_\_\_\_\_ ft. of

Recovered \_\_\_\_\_ ft. of

Recovered \_\_\_\_\_ ft. of

Recovered \_\_\_\_\_ ft. of

Chlorides \_\_\_\_\_ P.P.M. Sample Jars used \_\_\_\_\_ Remarks: Packer Seat Failure

Time On Location 3:00 P.M. Time Pick Up Tool 3:30 P.M. Time Off Location \_\_\_\_\_ A.M.

Time Set Packer(s) \_\_\_\_\_ A.M. Time Started Off Bottom \_\_\_\_\_ A.M.

Initial Hydrostatic Pressure \_\_\_\_\_ P.M. Maximum Temperature \_\_\_\_\_ P.M.

Initial Flow Period \_\_\_\_\_ Minutes (A) X 1430 P.S.I.

Initial Closed In Period \_\_\_\_\_ Minutes (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.

Final Flow Period \_\_\_\_\_ Minutes (D) \_\_\_\_\_ P.S.I.

Final Closed In Period \_\_\_\_\_ Minutes (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.

Final Hydrostatic Pressure \_\_\_\_\_ Minutes (G) \_\_\_\_\_ P.S.I.

Final Hydrostatic Pressure \_\_\_\_\_ (H) X 1422 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

Western Representative Allen Edgington

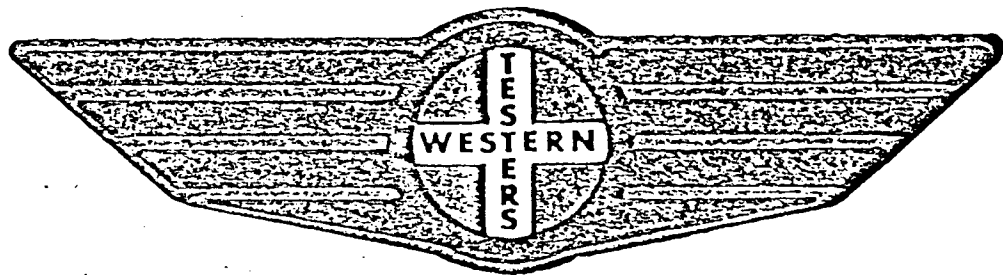
FIELD INVOICE

Open Hole Test	\$ <u>400</u>
Drill Pipe	\$ _____
Collar	\$ _____
Jars	\$ _____
Selective Zone	\$ _____
Safety Joints	\$ _____
Standby	\$ _____
Evaluation	\$ _____
Extra Packer	\$ _____
Circ. Sub.	\$ _____
Mud	\$ _____
Water	\$ _____
Other	\$ _____

# FORMATION

# TEST

# REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company \_\_\_\_\_ RANGER OIL COMPANY, INC. \_\_\_\_\_ Lease & Well No. \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ Test No. \_\_\_\_\_ Date \_\_\_\_\_

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 9/20/85

TICKET #10883

CUSTOMER: RANGE OIL COMPANY INC.

LEASE: "C" NELSON

WELL: 2

TEST: 1

GEOLOGIST: OLSEN

ELEVATION (KB): 1326

FORMATION: MISSISSIPPI

SECTION: 18

TOWNSHIP: 16S

RANGE: 1W

COUNTY: SALINE

STATE: KANSAS

GAUGE SN #5666

RANGE: 3950

CLOCK: 12

INTERVAL TEST FROM: 2645 FT TO: 2703 FT TOTAL DEPTH: 2703 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 2638 FT SIZE: 6 3/4 IN PAKER DEPTH: 2643 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE

MUD TYPE: CHEMICAL

VISCOSITY: 47

WEIGHT: 10.0

WATER LOSS (CC): 14.4

CHLORIDES (P.P.M.): 2400

JARS - MAKE:

SERIAL NUMBER:

DID WELL FLOW?

REVERSED OUT?

DRILL COLLAR LENGTH: 145 FT I.D.: 2 1/4 IN

WEIGHT PIPE LENGTH: FT I.D.: IN

DRILL PIPE LENGTH: 2478 FT I.D.: 3.8 IN

TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 IN

ANCHOR LENGTH: 60 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:

RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
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RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS: MISRUN.  
PACKER SEAT FAILURE

TIME SET PACKER(S):

TIME STARTED OFF BOTTOM:

WELL TEMPERATURE: 0 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 1436 PSI

INITIAL FLOW PERIOD MIN: 0

(B) 0 PSI TO (C) 0 PSI

INITIAL CLOSED IN PERIOD MIN: 0

(D) 0 PSI

FINAL FLOW PERIOD MIN: 0

(E) 0 PSI TO (F) 0 PSI

FINAL CLOSED IN PERIOD MIN: 0

(G) 0 PSI

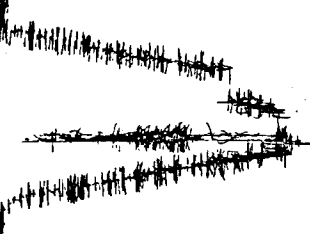
FINAL HYDROSTATIC PRESSURE

(H) 1422 PSI



10002 10001

TR# 10883  
D.



10002 10001

TR# 10883  
I.

