



WESTERN TESTING CO., INC.
FORMATION TESTING

Call - OK
TICKET No 8187

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

Elevation 1045KB Formation Musso Eff. Pay - Ft.

District Augusta Date 7-17-85 Customer Order No. -

COMPANY NAME Range Oil Co Inc. ADDRESS 240 Page Court 220W Douglas Wichita, KS 67202

LEASE AND WELL NO. Steward E #1 COUNTY Chautauque STATE KS Sec. 6 Twp. 32 Rge. 9E

Mail Invoice To Same #1 "E" STEWARD Co. Name Address No. Copies Requested 1

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 2 Interval Tested From 2240 ft. to 2258 ft. Total Depth 2258 ft.
Packer Depth 2240 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 2235 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
Top Recorder Depth (Inside) 2250 ft. Recorder Number 13266 Cap. 4000
Bottom Recorder Depth (Outside) 2253 ft. Recorder Number 13268 Cap. 4200
Below Saddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Range Oil Co Inc #2 Mud Type Chem Viscosity 40 Weight 9.5 Water Loss 12. - cc. Chlorides 1200 P.P.M.
Jars: Make - Serial Number - Did Well Flow? - Reversed Out -
Drill Collar Length 180 in. I. D. 2 1/4 in.
Weight Pipe Length - in. I. D. - in.
Drill Pipe Length 2040 in. I. D. 3.8 in.
Test Tool Length 20 ft. Tool Size 5 3/8 in.
Anchor Length 18 ft. Size 5 3/8 in.
Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 1/2 in. Tool Joint Size 4 1/2 x 1 1/4 in.

Blow: 2 1/2 inch to very weak 30 minutes

Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Chlorides P.P.M. Sample Jars used Remarks: Miss run Plugged tool

Time On Location 12:30 7:17 P.M. Time Pick Up Tool 2:30 P.M. Time Off Location P.M.
Time Set Packer(s) 3:30 P.M. Time Started Off Bottom 5:30 P.M. Maximum Temperature
Initial Hydrostatic Pressure (A) X P.S.I.
Initial Flow Period Minutes 30 (B) P.S.I. to (C) P.S.I.
Initial Closed In Period Minutes 30 (D) P.S.I.
Final Flow Period Minutes 30 (E) P.S.I. to (F) P.S.I.
Final Closed In Period Minutes 30 (G) P.S.I.
Final Hydrostatic Pressure (H) X 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 of Customer or his authorized representative

Western Representative Norman Allen 0150

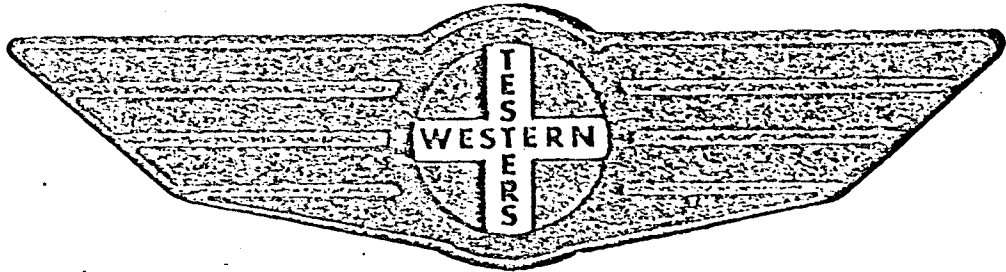
FIELD INVOICE

Open Hole Test \$ No Charge
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company RANGE OIL COMPANY, INC. Lease & Well No. #1 "E" STEWARD Sec. 6 Twp. 32S Rge. 9E Test No. 7 Date /-1/-00

WESTERN TESTING CO. INC.
 SUBSURFACE PRESSURE SURVEY

DATE: 7-17-85
 CUSTOMER: RANGE OIL COMPANY INC.
 WELL: 1 TEST: 2
 ELEVATION (KB): 1045 FORMATION: MISSISSIPPI
 SECTION: 6 TOWNSHIP: 32S
 RANGE: 9E COUNTY: CHAUTAUQUA STATE: KANSAS
 GAUGE SN #13266 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 2240 FT TO: 2258 FT TOTAL DEPTH: 2258 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 2240 FT SIZE: 6 3/4 IN PACKER DEPTH: 2235 FT SIZE: 6 3/4 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE DRLG. RIG #2
 MUD TYPE: CHEMICAL VISCOSITY: 40
 WEIGHT: 9.5 WATER LOSS (CC): 12
 CHLORIDES (P.P.M.): 1200
 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: 2040 FT I.D.: 3.8 IN
 TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
 ANCHOR LENGTH: 18 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: WEAK BLOW TO VERY WEAK BLOW THROUGHOUT TEST.

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

REMARKS: MISRUN - PLUGGED TOOL.

TIME SET PACKER(S): 3:30 PM TIME STARTED OFF BOTTOM: 5:30 PM
 WELL TEMPERATURE: 0 'F
 INITIAL HYDROSTATIC PRESSURE: (A) 1258 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) 1163 PSI

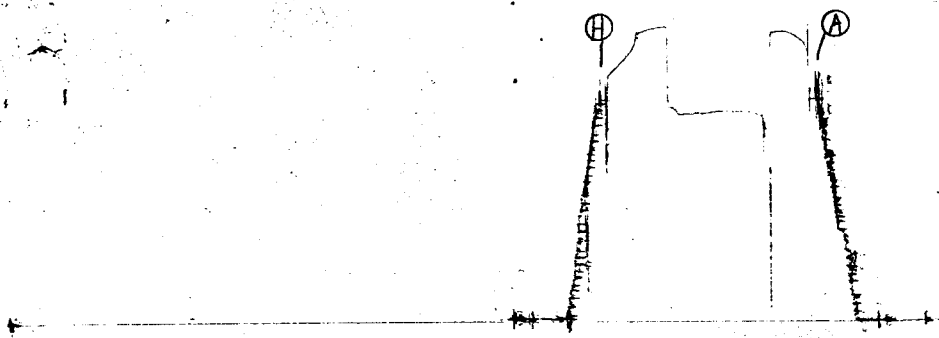
TKT # 8187

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DS7 #2

13266



TKT # 8187

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13268

DS7 #2

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