



P. O. BOX 793
PHONE 793-7903
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 24298

Formation Miss Elevation — Eff. Pay — Ft.

District Augusta Date 4-26-76 Customer Order No. —

COMPANY NAME Range Oil Company

ADDRESS 220 West Douglas, Wichita, Kansas 67202

LEASE AND WELL NO. Anglemeyer #1 COUNTY Cowley STATE Kans Sec. 27 Twp. 33 Rge. 5E

Mail Inv. To same No. Copies Requested —

Co. Name same Address —

Mail Charts To same No. Copies Requested —

Address —

Formation Test No. 3 O.K. — Misrun X Interval Tested From 3089' to 3098' Total Depth 3098'

Size Main Hole 7 7/8 Rat Hole — Conv. — B.T. X Damaged Yes X No Conv. X B.T. — Damaged Yes X No

Top Packer Depth 3089 Ft. Size 6 3/4 Bottom Packer Depth 3089 Ft. Size 6 3/4

Straddle — Conv. — B.T. — Damaged Yes — No Packer Depth — Ft. Size —

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 9 3/4 Ft. Size 5 1/2 OD Surface Choke Size 2 1/2 In. Bottom Choke Size 3 1/2 In.

RECORDERS Depth 3092 Ft. Clock No. 8476 Depth 3095 Ft. Clock No. 4964

Top Make Kuster Cap. 4200 No. 1559 Inside Outside Bottom Make Kuster Cap. 3200 No. 1561 Inside Outside

Below Straddle: Depth — Rec. No. — Clock No. — Depth — Ft. Rec. No. — Clock No. —

Time Set Packer 5:19 AM

Tool Open I.F.P. From 5:20A to 5:50A Hr. 30 Min. From (B) — P.S.I. To (C) — P.S.I.

Tool Closed I.C.I.P. From 5:50A to 6:20A Hr. 30 Min. (D) — P.S.I.

Tool Open F.F.P. From 6:20A to 6:50A Hr. 30 Min. From (E) — P.S.I. To (F) — P.S.I.

Tool Closed F.C.I.P. From 6:50A to 7:50A Hr. 60 Min. (G) — P.S.I.

Initial Hydrostatic Pressure (A) 1603 P.S.I. Final Hydrostatic Pressure (H) 1553 P.S.I. Maximum Temp. 112

INFORMATION

BLOW weak blow, and died 23 minutes

Did Well Flow Yes X No Recovery Total Ft. 20 ft of heavy mud.

Reversed Out Yes X No Mud Type chem Viscosity 38 Weight 9.7 Water Loss 11.2 cc. Chlorides 1500 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pur Safety Joint — Jars: Size — In. Make — Ser. No. —

Dual Packers yes Did Packers Hold? yes Did Tool Plug? yes Where? Tool & anchor

DRILLING CONTRACTOR White & Ellis Ry 4 Length Drill Pipe 2929 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH

Length Weight Pipe — ft. I.D. Weight Pipe — In. Tool Joint Size — In. Length Drill Collars 145 ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4 H90 In. Length D.S.T. Tool 29 ft.

Remarks Hit Bridge going to bottom, (solid tool 4' to bottom) Plugged tool & anchor

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage 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, or 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.

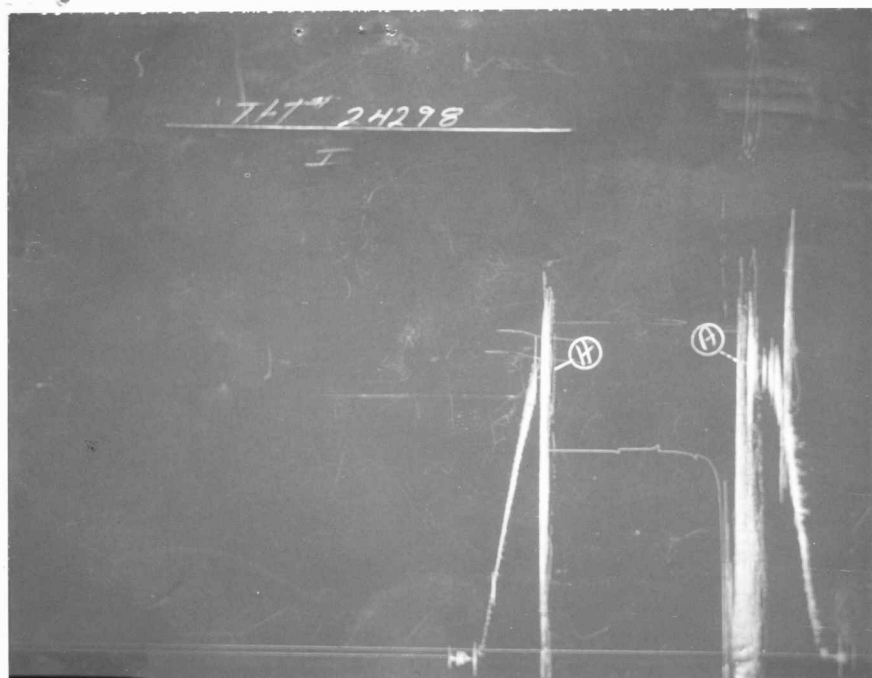
All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

INVOICE SECTION

Open Hole Test	\$ <u>—</u>
Straddle Test	\$ <u>—</u>
Jars	\$ <u>—</u>
Selective Zone	\$ <u>—</u>
Safety Joint	\$ <u>—</u>
Misrun	\$ <u>150.00</u>
Evaluation	\$ <u>—</u>
Packer	\$ <u>—</u>
Circ. Sub.	\$ <u>—</u>
Total	\$ <u>150.00</u>

Test Approved By Gerald Horas Western Representative Roy Bendley

Signature of Customer or his Authorized Representative Operator's Time — Hrs.





Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Range Oil Company Inc. Lease & Well No. Anglemeyer #1
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 24298
Date 4-26-76 Sec. 27 Twp. 33N Range 5E County Cowley State Kansas
Test Approved by Gerald Honas Western Representative Roy Pendlay
Formation Test No. 3 O.K. - Misrun X Interval Tested From 3089' to 3098' Total Depth 3098'
Size Main Hole 77/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No
Top Packer Depth 3084 Ft. Size 6 3/4 Bottom Packer Depth 3089 Ft. Size 6 3/4
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 9 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3092 Ft. Clock No. 8476 Depth 3095 Ft. Clock No. 4964
Top Make Kuster Cap. 4200 No. 1559 Inside Outside Bottom Make Kuster Cap. 3200 No. 1561 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
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Tool Closed I.C.I.P. From 5:50A M. to 6:20A M. - Hr. 30 Min (D) - P.S.I.
Tool Open F.F.P. From 6:20A M. to 6:50A M. - Hr. 30 Min. From (E) - P.S.I. To (F) - P.S.I.
Tool Closed F.C.I.P. From 6:50A M. to 7:50A M. - Hr. 60 Min. (G) - P.S.I.
Initial Hydrostatic Pressure (A) 1603 P.S.I. Final Hydrostatic Pressure (H) 1553 P.S.I. Maximum Temp. 112

INFORMATION

BLOW Weak blow died in 23 minutes.
Did Well Flow - Yes X No Recovery Total Ft. 20' heavy mud.
Reversed Out - Yes X No Mud Type chem Viscosity 38 Weight 9.7 Water Loss 11.2 cc. Chlorides 1500 P.P.M.
EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -
Dual Packer yes Did Packers Hold? yes Did Tool Plug? yes Where? tool & anchor
DRILLING CONTRACTOR White & Ellis Drlg. Co. Length Drill Pipe? 2924 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.
Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 145 Ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4H-90 In. Length D.S.T. Tool 29 Ft.
Remarks: Hit bridge going to bottom. Slid tool 4' to bottom. Plugged tool & anchor