



FORMATION TESTING

TICKET No 17663

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

Elevation 3821 est Formation Morrow Eff. Pay. Fr.

District Colby Date 3-28-92 Customer Order No.

COMPANY NAME Red Oak Energy INC ADDRESS 200w Douglas, Suite 510 Wichita, KS 67202

COPY

LEASE AND WELL NO Young 2-22 COUNTY Greeley STATE KS Sec 22 Twp 16S Rge 42w

Mail Invoice To Same Co. Name Address No. Copies Requested K... Mail To Same Address No. Copies Requested K...

Formation Test No DST #1 Interval Tested From 5071 ft. to 5100 ft. Total Depth 5100 ft. Packer Depth 5066 ft. Size 6 3/8 in. Packer Depth 5071 ft. Size 6 5/8 in.

Depth of Selective Zone Set Top Recorder Depth (Inside) 5092 ft. Recorder Number 13552 Cap 4050 Bottom Recorder Depth (Outside) 5095 ft. Recorder Number 13361 Cap 4250 Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Mucina Drilling Rig # Mud Type Chem Viscosity 45 Weight 9.1 Water Loss 9.6 cc Chlorides 2800 P.P.M. Make WTC Serial Number 420 Did Well Flow? Gas Reversed Out NO Drill Collar Length 541 I. D. 2 1/4 in. Weight Pipe Length - I. D. - in. Drill Pipe Length 4498 I. D. 3.2 in. Test Tool Length 32 ft. Tool Size 5 1/2 OD in. Anchor Length 29 ft. Size 5 1/2 OD in. Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in. Main Hole Size 2 1/2 in. Tool Joint Size 4 1/2 XH in.

Flow: Very Strong Blow 12 inch in. Initial Flow Gas to Surface on Initial Close in Period See Gas Flow Report

Recovered 2842 ft. of Gas in Pipe Recovered 400 ft. of Gassy oil 10% Gas + 90% oil Recovered 248 ft. of Gas + oil cut mud 10% Gas + 20% oil + 70% mud Recovered 310 ft. of Gassy oil cut water 20% Gas + 10% oil + 70% water Recovered 1300 ft. of Gassy water 20% Gas + 80% water Chlorides 45,000 P.P.M. Sample Jars used 4 Remarks: Fluid Sampler 550 PSI Gravity 40 500 Gas 300 cc oil 2200 cc water

Time On Location 5:00 P.M. Time Pick Up Tool 7:30 P.M. Time Off Location A.M. P.M. Time Set Packer(s) 9:35 P.M. Time Started Off Bottom 1:20 P.M. Maximum Temperature 140 Initial Hydrostatic Pressure (A) 2477 P.S.I. Initial Flow Period Minutes 30 (B) 862 P.S.I. to (C) 912 P.S.I. Initial Closed In Period Minutes 45 (D) 923 P.S.I. Initial Flow Period Minutes 60 (E) 923 P.S.I. to (F) 923 P.S.I. Initial Closed In Period Minutes 90 (G) 933 P.S.I. Initial Hydrostatic Pressure (H) 2388 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 CONSERVATION DIVISION WICHITA, KS AUG 10 1992 Western Representative: Steve Bowman Thank you

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

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

Elevation 3821 est Formation Morrison 103266 Eff. Pay

District Colby Date 3-29-92 Customer Order No.

COMPANY NAME Red Oak Energy INC

ADDRESS 200 W Douglas, Suite 510 Wichita, KS 67202

EASE AND WELL NO Young 2-22 COUNTY Greeley STATE KS Sec 22 Twp 16 S Rge 42 W

Mail Invoice To Same Co. Name No. Copies Requested Reg

Mail Charts To Same Address YOUNG 2-22 No. Copies Requested Reg

Formation Test No DST #2 Interval Tested From 50.36 ft. to 50.80 ft. Total Depth 52.20 ft.

Packer Depth 50.31 ft. Size 6 5/8 in. Packer Depth 50.80 ft. Size 6 5/8 in.

Packer Depth 50.36 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 50.72 ft. Recorder Number 13552 Cap 4050

Bottom Recorder Depth (Outside) 50.75 ft. Recorder Number 1049 Cap 4250

Flow Straddle Recorder Depth 52.15 ft. Recorder Number 13361 Cap 4250

Drilling Contractor Mutin Drilling Rig #20 Drill Collar Length 541 I. D. 2 1/4 in.

Fluid Type Chem Viscosity 50 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 9.6 cc. Drill Pipe Length 4603 I. D. 3.8 in.

Chlorides 3900 P.P.M. Test Tool Length 32 ft. Tool Size 5 1/2 OD in.

Wells: Make WTC Serial Number 420 Anchor Length 441 ft. Size 5 1/2 OD 1 in.

Isid Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Low: (Misrun) Top Packer Failed

Recovered ft. of

Chlorides P.P.M. Sample Jars used Remarks:

Time On Location 10:30 A.M. Time Pick Up Tool 12:00 P.M. Time Off Location A.M. P.M.

Time Set Packer(s) A.M. P.M. Time Started Off Bottom 2:15 A.M. P.M. Maximum Temperature

Initial Hydrostatic Pressure (A) 2486 P.S.I.

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

Initial Closed In Period (D) P.S.I.

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

Final Closed In Period (G) P.S.I.

Final Hydrostatic Pressure (H) 2486 P.S.I.

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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 WICHITA, KS

Western Representative [Signature] Trust You

FIELD INVOICE

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

WICHITA, KANSAS 67201

ROTI

District Colby

Date 3-29-92

Customer Order No. **COPY**

COMPANY NAME Red Oak Energy INC
 ADDRESS 200 W Douglas, Suite 510 Wichita, KS 67202
 LEASE AND WELL NO Young 2-22 COUNTY Greeley STATE KS Sec 22 Twp 16S Rge 42W

Mail Invoice To Same Co. Name YOUNG 2-22 Address _____ No. Copies Requested 2
 Mail Charts To Same Address _____ No. Copies Requested 2

Formation Test No DST # 3 Interval Tested From 5072 ft. to 5080 ft. Total Depth 5220 ft.
 Packer Depth 5072 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 5080 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 5067 ft. Recorder Number 13552 Cap. 4050
 Bottom Recorder Depth (Outside) 5075 ft. Recorder Number 1049 Cap. 4250
 Flow Straddle Recorder Depth 5205 ft. Recorder Number 13361 Cap. 4250

Drilling Contract Mustin Drilling Rig # 20 Drill Collar Length 541 I. D. 2 1/4 in.
 Mud Type Chem Viscosity 50 Weight Pipe Length _____ I. D. _____ in.
 Weight 9.2 Water Loss 9.6 cc. Drill Pipe Length 4636 I. D. 3.8 in.
 Chlorides 3900 P.P.M. Test Tool Length 35 ft. Tool Size 5 1/2 OD in.
 Losses: Make WTC Serial Number 420 Anchor Length 8 ft. Size 5 1/2 OD in.
 Mud 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 H in.

Low: (MISRUN) Rig Down Tool 134 ft off Bottom
 Covered _____ ft. of _____
 Chlorides _____ P.P.M. Sample Jars used _____ Remarks: _____

Time On Location 2:15 A.M. Time Pick Up Tool 6:00 P.M. Time Off Location 12:00 P.M.
 Time Set Packer(s) _____ A.M. Time Started Off Bottom 8:30 P.M. Maximum Temperature _____
 Initial Hydrostatic Pressure _____ (A) _____ P.S.I.
 Initial Flow Period _____ Minutes (B) 16 P.S.I. to (C) _____ P.S.I.
 Initial Closed In Period _____ Minutes (D) _____ P.S.I.
 Final Flow Period _____ Minutes (E) _____ P.S.I. to (F) _____ P.S.I.
 Final Closed In Period _____ Minutes (G) _____ P.S.I.
 Final Hydrostatic Pressure _____ (H) _____ P.S.I.

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 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 Steve Louman Thank You

FIELD INVOICE

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

RECEIVED
 KANSAS CORPORATION COMMISSION
 AUG 10 1992
 CONSERVATION DIVISION
 WICHITA, KS