

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5120

Name: Range Oil Company, Inc.

Address 125 N. Market, Suite 1120

City/State/Zip Wichita, KS 67202

Purchaser: Producers Service Inc.

Operator Contact Person: John M. Washburn

Phone (316) 265-6231

Contractor: Name: Red Tiger Drilling Co.

License: 5302

Wellsite Geologist: Tom Blair

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

12-5-91 12-18-91 1-15-92
Spud Date Date Reached TD Completion Date

First Sales Date on 12-8-93

API NO. 15- 019-26,174

County Chautauqua

S/2 - S/2 - S/2 Sec. 4 Twp. 32S Rge. 11 ^{N E} _W

330 Feet from S (circle one) Line of Section

2640 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name Hudson Well # 1

Field Name Kingston NE

Producing Formation Mississippian

Elevation: Ground 1114 KB 1119

Total Depth 2265 PBSD _____

Amount of Surface Pipe Set and Cemented at 321 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan 4594
(Data must be collected from the Reserve Pit)

Chloride content 1200 ppm Fluid volume 200 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature John M. Washburn

Title Vice President Date 1-12-94

Subscribed and sworn to before me this 12th day of January, 19 94.

Notary Public Barbara J. Schmidt
Barbara J. Schmidt

Date Commission Expires July 13, 1997
BARBARA J. SCHMIDT
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 7-13-97

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NF
 KGS Plug (Spr)

Operator Name Range Oil Company, Inc.

Lease Name Hudson

Well # 1

Sec. 4 Twp. 32 Rge. 11
 East
 West

County Chautauqua

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests including interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

| Name | Top | Datum |
|--------------------|------|-------|
| Lansing | 852 | +267 |
| Iola | 1014 | +105 |
| Layton | 1054 | + 65 |
| Kansas City | 1162 | - 43 |
| Pawnee | 1563 | -444 |
| Ft. Scott | 1610 | -491 |
| Miss. Chert | 1935 | -817 |
| Miss. Dolomite | 1942 | -823 |
| Arbuckle | 2244 | -1125 |
| Rotary Total Depth | 2265 | -1146 |

Dual Porosity, Dual
 List All E.Logs Run: Induction
 DST(1) 1611-1624' 30-30-60-60 GTS in 11 min.
 Rec: 50' mud. Gauged 47.2 MCF in 20", 73.1 MCF in 60", 81 MCF in 90". IFP 30-20 ISIP 555
 FFP 30-30 FSIP 555. T: 88°F. (Continued)
 SEE ATTACHED PAGE)

| CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-----------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface | 12 1/4 | 8 5/8 | 20# | 321 | Common | 170 | 3% Ca Cl |
| Production | 7 7/8 | 4 1/2 | 10.5# | 2020 | Range | 135 | |

| ADDITIONAL CEMENTING/SQUEEZE RECORD | | | | |
|---|------------------|----------------|-------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate | | | | |
| <input type="checkbox"/> Protect Casing | | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <input type="checkbox"/> Plug Off Zone | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type | Acid, Fracture, Shot, Cement Squeeze Record |
|----------------|---|---|
| | Specify Footage of Each Interval Perforated | (Amount and Kind of Material Used) Depth |
| 3 | 1952-1962 | Natural 1952-1962 |

| LOG RECORD | Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
|-----------------------------------|---|----------------------------------|-----------------------------------|--|------------|---------------|------|
| * Resumed Production, SWD or Inj. | 12-8-93 | | | | | | |
| Producing Method | <input checked="" type="checkbox"/> Flowing | <input type="checkbox"/> Pumping | <input type="checkbox"/> Gas Lift | <input type="checkbox"/> Other (Explain) | | | |
| Oil | Bbls. None | Gas | Mcf 80 | Water | Bbls. None | Gas-Oil Ratio | Gr y |

30A (Shor city)

METHOD OF COMPLETION Used on Lease submit ACO-18.) Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval 1952-1962

CONFIDENTIAL

COPY

Continued -- DST: API#IS-019-26174

DST(2) 1937-1945' 30-30-60-60 GTS in 5 min. Gauged 227 MCF in 10",
245 MCF in 30", Stab @ 251 MCF in 60". Rec: 5' mud IFP 85-65
ISIP 605 FFP 65-65 FSIP 605 T: 96°F.

DST(3) 1945-1970' 30-30-60-60 GTS in 4 min. Gauged 526 MCF in 10",
Stab. @ 652 MCF in 40". Rec: 200' mud. IFP 180-180 ISIP 595
FFP 200-210 FSIP 595. T: 96°F.

DST(4) 1970-2000' 30-30-60-60 GTS in 25 min. Gauged 2.7 MCF.
Rec: 300' GCM w/few oil spots + 660' GSW. IFP 95-240 ISIP 575
FFP 305-430 FSIP 575 T: 99°F.

RECEN
STATE COOPERATION

JAN 17

CONSERVATION
DIVISION