

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:

Operator Contact Person: John M. Washburn

Phone (316) 265-6231

Contractor: Name: Graves Drilling Co.

License: 30864

Wellsite Geologist: Tom Blair

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Alter.
☐ Gas ☐ ENHR ☐ SIGW
☒ Dry ☐ Other (Core, VSW, 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.

3-9-93 3-16-93 3-16-93

Spud Date Date Reached TD Completion Date

API NO. 15- 015-23,321

County Butler

NE NW SW Sec. 9 Twp. 28 Rge. 8

2310 Feet from (S) (circle one) Line of Section

990 Feet from (U) (circle one) Line of Section

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

Lease Name F.H.L.C. Well # 1

Field Name

Producing Formation

Elevation: Ground 1555 KB 1560

Total Depth 2753 PBTD

Amount of Surface Pipe Set and Cemented at 213 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

Set depth to w/ sx cm.

Drilling Fluid Management Plan 5-27-93
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 200 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

RELEASED

Operator Name

Lease Name APR 1 1993 Lease 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 5-13-93

Subscribed and sworn to before me this 12th day of May 1993.

Notary Public Barbara J. Schmidt

Date Commission BARBARA J. SCHMIDT July 13, 1993



K.C.C. OFFICE USE ONLY	
F	Letter of Confidentiality Attached
C	Wireline Log Received
C	Geologist Report Received
Distribution	
☒ KCC	☐ SWD/Rep
☐ KGS	☐ Plug
STATE CORPORATION COMMISSION (specify)	
MAY 14 1993	

Operator Range Oil Company, Inc.Lease Name F.H.L.C.Well # 1Sec. 9 Twp. 28 Rge. 8☒ EastCounty Butler☐ West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving 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.)

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Brown limestone	1551	+9
Lansing	1610	-50
Base Lansing	1761	-201
Kansas City	1920	-360
Base Kansas City	2096	-536
Marmaton	2230	-670
Cherokee	2417	-857
Mississippian	2703	-1143
Log Total Depth	2752	-1192

List All E.Logs Run: Dual Porosity, Dual Injection. DST(1) 2704'-2714' 30-30-60-60. Blow: weak. Rec: 15' SOCM (3% oil, 97% mud) IFP 32-32 ISIP 85 FFP 32-32. FSIP 107 Temp.: 100°F.

CASING RECORD

☒ New ☐ 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	213	Common	120	3% CaCl

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforation				
Protect Casing				
Plug Back To				
Plug Off Zone				

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

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☐ No
Date of First, Resumed Production, SWD or Inj.				Producing Method	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☐ Perf. ☐ Dually Comp.
☐ Other (Specify) _____

