

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & 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: Summit Drilling Co.
License: 30141
Wellsite Geologist: Gerald Honas

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: _____
Original Comp. Date: _____ Original Total Depth: _____
☐ Deepening ☐ Re-perf. ☐ Conv. to Enhr./SWD
☐ Plug Back ☐ Plug Back Total Depth
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Enhr.?) ☐ Docket No. _____

8-22-02 8-29-02 9-16-02
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 015 - 23,628
County: Butler
NE SW NE Sec. 23 Twp. 25 S. R. 3 ☒ East ☐ West
1800 feet from S (N) (circle one) Line of Section
1500 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) (NE) SE NW SW
Lease Name: Ward Well #: 1

Field Name: _____

Producing Formation: _____

Elevation: Ground: 1292 Kelly Bushing: 1302

Total Depth: 2749 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 212 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 P-111 10-10-02
(Data must be collected from the Reserve Pit)

Chloride content 1300 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. R. _____ East West

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: 10-8-02

Subscribed and sworn to before me this 8th day of OCTOBER, 2002.

Notary Public: Dail T. Lein

Date Commission Expires: 8/4/04

KCC Office Use ONLY

☒ Letter of Confidentiality Attached

If Denied, Yes ☐ Date: _____

☒ Wireline Log Received

☒ Geologist Report Received

☐ UIC Distribution

Operator Name: Range Oil Company, Inc. Lease Name: Ward Well #: 1
 Sec. 23 Twp. 25 S. R. 3 ☒ East ☐ West County: Butler

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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) List All E. Logs Run: DST (1) 2658'-2707' 30-30-60-60 Rec: 170' GIP & 180' OCM (18% oil) FP 13-94 SIP 654-643 T:113°F	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Log</th> <th style="text-align: left;">Formation (Top), Depth and Datum</th> <th style="text-align: left;">Sample</th> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Lansing</td> <td>1960</td> <td>-594</td> </tr> <tr> <td>Kansas City</td> <td>2247</td> <td>-945</td> </tr> <tr> <td>Miss chert</td> <td>2689</td> <td>-1387</td> </tr> <tr> <td>Miss dolo</td> <td>2700</td> <td>-1398</td> </tr> <tr> <td>LTD</td> <td>2749</td> <td>-1447</td> </tr> </tbody> </table>	Log	Formation (Top), Depth and Datum	Sample	Name	Top	Datum	Lansing	1960	-594	Kansas City	2247	-945	Miss chert	2689	-1387	Miss dolo	2700	-1398	LTD	2749	-1447
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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	212	common	125	3% CaCl
Production	7 7/8	4 1/2	9 1/2	2748	Range	100	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
____ Perforate				
____ Protect Casing				
____ Plug Back TD				
____ 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
4	2692' to 2700'	500 gal acid(15% MCA)	2992' to
		1500 gal (15% Fe-Ne)	2700'
		Frac with 150 sacks sand & 381 bbls	
		Ultravis gel	

TUBING RECORD			Size	Set At	Packer At	Liner Run	Yes	No
Date of First, Resumed Production, SWD or Enhr.		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 ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other (Specify) _____

METHOD OF COMPLETION Production Interval

(If vented, Sumit ACO-18.)

RECEIVED