

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5120
 Name: Range Oil Company, Inc.
 Address 1: 125 N. Market, Suite 1120
 Address 2: _____
 City: Wichita State: KS Zip: 67202 + _____
 Contact Person: John Washburn
 Phone: (316) 265-6231
 CONTRACTOR: License # 30141
 Name: Summit Drilling Co.
 Wellsite Geologist: Roger Martin
 Purchaser: _____

Designate Type of Completion:

- ☒ New Well ☐ Re-Entry ☐ Workover
- ☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☒ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM (Coal Bed Methane)
☐ Cathodic ☐ Other (Core, Expl., 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 ☐ Conv. to SWD
☐ Conv. to GSW
☐ Plug Back: _____ Plug Back Total Depth _____
☐ Commingled Permit #: _____
☐ Dual Completion Permit #: _____
☐ SWD Permit #: _____
☐ ENHR Permit #: _____
☐ GSW Permit #: _____

8-15-11 8-22-11 8/22/11
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No. 15 - 115-21,424 · 00 · 00
 Spot Description: _____
E/2 NE Sec. 36 Twp. 22 S. R. 3 ☒ East ☐ West
1,320 Feet from ☒ North / ☐ South Line of Section
660 Feet from ☒ East / ☐ West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
☒ NE ☐ NW ☐ SE ☐ SW
 County: Marion
 Lease Name: Leyenaar Well #: 1
 Field Name: _____
 Producing Formation: _____
 Elevation: Ground: 1414 Kelly Bushing: 1424
 Total Depth: 2554' Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at: 222 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

(Data must be collected from the Reserve Pit)

Chloride content: 900 ppm Fluid volume: 400 bbls
 Dewatering method used: evaporation

Location of fluid disposal if hauled offsite:

Operator Name: _____
 Lease Name: _____ License #: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West
 County: _____ Permit #: _____

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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: _____

Exploration Manager

8-31-11

KCC Office Use ONLY

- ☐ Letter of Confidentiality Received
 Date: _____
☐ Confidential Release Date: _____
☐ Wireline Log Received
☐ Geologist Report Received
☐ UIC Distribution

Att 1-Dg. 9/8/11

Operator Name: Range Oil Company, Inc. Lease Name: Leyenaar Well #: 1
 Sec. 36 Twp. 22 S. R. 3 ☒ East ☐ West County: Marion

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: DST (1) 2452'-2524' 30-30-30-30 Rec: 75' mud IFP 48-47 ISIP invalid FFP 66-64 FSIP 577 T:102F	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample <table style="width: 100%; border-collapse: collapse;"> <thead> <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>Heebner</td> <td>1652'</td> <td>-228</td> </tr> <tr> <td>Lansing</td> <td>1916'</td> <td>-492</td> </tr> <tr> <td>BKC</td> <td>2302'</td> <td>-878</td> </tr> <tr> <td>Mississippian chert</td> <td>2514'</td> <td>-1090</td> </tr> <tr> <td>RTD</td> <td>2554'</td> <td>-1130</td> </tr> </tbody> </table>	Name	Top	Datum	Heebner	1652'	-228	Lansing	1916'	-492	BKC	2302'	-878	Mississippian chert	2514'	-1090	RTD	2554'	-1130
Name	Top	Datum																	
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RTD	2554'	-1130																	

CASING RECORD <input checked="" type="checkbox"/> New <input 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"	23	222'	common	180	3% CaCl

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> RECEIVED SEP 07 2011 KCC WICHITA </div>	

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			Producing Method:		
			<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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TICKET NUMBER 31419

LOCATION Eureka, KS

FOREMAN Shannon Feck

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-115-21424

DATE	CUSTOMER #	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY	
8-16-11	6942	Loyenqar # 1		36	225	3E	Marion	
CUSTOMER Range Oil Company Inc				Summit DELB	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 125 N. market Ste 1120					445	DAVE G		
					611	Chris B		
CITY	STATE	ZIP CODE						
Wichita	KS	67202						

JOB TYPE <u>3/p</u>	HOLE SIZE <u>12 1/4"</u>	HOLE DEPTH <u>240'</u>	CASING SIZE & WEIGHT <u>8 3/4</u>
CASING DEPTH <u>2146.1</u>	DRILL PIPE <u>—</u>	TUBING <u>—</u>	OTHER <u>—</u>
SLURRY WEIGHT <u>15.0</u>	SLURRY VOL <u>39 Bbl</u>	WATER gal/sk <u>6.4</u>	CEMENT LEFT in CASING <u>25'</u>
DISPLACEMENT <u>12.72 Bbl</u>	DISPLACEMENT PSI <u>—</u>	MIX PSI <u>100 Bottom</u> <u>100 Top Stage</u>	RATE <u>5.8 BPM - Bottom Stage</u> <u>1 1/2 BPM - Top Stage</u>

REMARKS: Rig up to 8 $\frac{5}{8}$ " Casing, go straight to mixing Cement. Mix 100 sks Class "A" cement with 3% calcium, 2% gel, & 1/4" Flo-seal/sk @ 15.0#. Displaced with 12.72 Bbl water & shut well in. Wait an hour and a half for bottom stage of cement to sit. UP. Run 3 joints 1" tubing, make sure we could fill hole with fluid. Broke circulation & mixed 60 sks Class "A" cement with 3% calcium, 2% gel, & 1/4" Flo-seal/sk @ 15.0#. Had good circulation @ all times, 3 to 4' Bbl slurry to pit. Hole stayed full, Rig down. Job complete. Lost circulation @ 84', set cement basket @ 70' from ground level down. "Thanks Shannon & crew"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	775.00	775.00
5406	40 miles	MILEAGE	4.00	160.00
11045	160 SKS	Class "A" Cement	14.25	2280.00
1102	452 #	Calcium @ 3%	.70	316.40
1118 B	301 #	Gel @ 2%	.20	60.20
1107	40 #	Flotale @ 1/4#/SK	2.22	88.80
5407A	7.52 Tons	Ton mileage bulk Truck	1.26	379.01
4432	1	8 5/8" Wooden Plug	80.00	80.00
4132	2	8 5/8" Centralizers	19.50	39.00
4106	1	8 5/8" Cement Basket	320.00	320.00
AUG 29 2011			SEP 17 2011	
			KCC WICHITA	
			Sub total	4597.41
			7.3% SALES TAX	256.11

Playin 3737

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AUTHORIZATION

TITLE

DATE 6-16-11

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



ENTERED

TICKET NUMBER 31422

LOCATION Eureka, KS

FOREMAN Shannon Feck

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-115-21424

DATE	CUSTOMER #	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY	
8-22-11	6942	Leyenaar #1		36	225	3E	Marion	
CUSTOMER Range Oil Company Inc				Summit DRL6				
MAILING ADDRESS 125 N. Market Ste 1120					TRUCK #	DRIVER	TRUCK #	DRIVER
					445	DAVE G		
					611	Chris B		
CITY	STATE	ZIP CODE						
Wichita	KS	67202						

JOB TYPE P.T.A. 0 HOLE SIZE 7 7/8" HOLE DEPTH _____ CASING SIZE & WEIGHT _____

CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____

SLURRY WEIGHT 13.6* SLURRY VOL 16 Bbl WATER gal/sk 7.0 CEMENT LEFT In CASING —

DISPLACEMENT _____ DISPLACEMENT PSI 0 MIX PSI 0 RATE 53pm

REMARKS: Rig up to 4" Drill pipe pump Following plugs

270' - 35 SKS cement

60' to surface 30 sks cement

Pulled drill pipe & hole stayed full, Rig down Job Complete

#Thanks Shannon & Crew#

[illegible]

Baydn 3737

243181

AUTHORIZATION

TITLE

DATE 8-22-11

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.