

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

*W. M. Washburn*  
9/21/08

Operator: License # 5120  
 Name: Range Oil Company, Inc.  
 Address: 125 N. Market, Suite 1120  
 City/State/Zip: Wichita, KS 67202  
 Purchaser: Nat-Gas, LLC  
 Operator Contact Person: John Washburn  
 Phone: (316) 265-6231  
 Contractor: Name: Range Drilling Co., Inc.  
 License: \_\_\_\_\_  
 Wellsite Geologist: H. G. McMahon  
 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: Range Oil Co., Inc.  
 Well Name: Hale #6  
 Original Comp. Date: 11-5-83 Original Total Depth: 3380'  
 \_\_\_\_\_ Deepening  Re-perf. \_\_\_\_\_ Conv. to Enhr./SWD  
 Plug Back 3070' Plug Back Total Depth \_\_\_\_\_  
 \_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 \_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 \_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
 \_\_\_\_\_ 8-27-08 \_\_\_\_\_ Waiting on pipeline  
~~Spud Date~~ Date Reached TD Completion Date or  
 Recompletion Date Recompletion Date

API No. 15 - 035 - 23,326 - ~~00~~ - 001 0002  
 County: Cowley  
 Approx. ~~W12~~ E12 - SE Sec. 22 Twp. 34 S. R. 3  East  West  
1370 feet from (S) ~~(N)~~ (circle one) Line of Section  
800 feet from (E) ~~(W)~~ (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE (SE) NW SW  
 Lease Name: Hale Well #: 6  
 Field Name: \_\_\_\_\_  
 Producing Formation: Layton sand  
 Elevation: Ground: 1078 Kelly Bushing: 1083  
 Total Depth: 3380' Plug Back Total Depth: 3070'  
 Amount of Surface Pipe Set and Cemented at 211 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 WD - AH I NR  
(Data must be collected from the Reserve Pit) 9-26-08  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
 Dewatering method used \_\_\_\_\_  
 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: 8-28-08  
 Subscribed and sworn to before me this 28th day of August  
2008  
 Notary Public: Peggy L. Sailor  
 Date Commission Expires \_\_\_\_\_

**PEGGY L. SAILOR**  
 Notary Public - State of Kansas  
 My Appt. Expires December 8, 2011

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 \_\_\_\_\_ Geologist Report Received  
 \_\_\_\_\_ UIC Distribution

**RECEIVED**  
 KANSAS CORPORATION COMMISSION

**SEP 02 2008**

Operator Name: Range Oil Company, Inc. Lease Name: Hale Well #: 6  
 Sec. 22 Twp. 34 S. R. 3  East  West County: Cowley

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets)  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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy)  List All E. Logs Run:  DST (1) 2554-2573 30-30-90-90 GA: 98 mcdp Rec: 170' SW FP 110-60 ISIP 910-930 DST (2) 2995-3036 30-30-60-90 Rec: GTS & 75' mud FP 80-80 SIP 440-1245 DST (3) 3289-3298 30-30-60-90 Rec: 80' MO FP 60-60 SIP 750-1170 DST (4) 3314-3326 30-30-60-60 REC: 75' SOCMW FP 70-60 SIP 670-680	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Layton</td> <td>2562'</td> <td>-1479</td> </tr> <tr> <td>Kansas City</td> <td>2743'</td> <td>-1660</td> </tr> <tr> <td>BKC</td> <td>2850'</td> <td>-1767</td> </tr> <tr> <td>Cherokee</td> <td>3054'</td> <td>-1971</td> </tr> <tr> <td>Miss-Chert</td> <td>3279'</td> <td>-2196</td> </tr> <tr> <td>LTD</td> <td>3380'</td> <td>-2297</td> </tr> </table>	Name	Top	Datum	Layton	2562'	-1479	Kansas City	2743'	-1660	BKC	2850'	-1767	Cherokee	3054'	-1971	Miss-Chert	3279'	-2196	LTD	3380'	-2297
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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	24	211	common	150	3% CaCl
Production	7 7/8	4 1/2	10.5	3354	Thick-set	125	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	315' to 0'	common	155	

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
	Bridge Plug set at 3070' (above Miss perfs)		
four	Perf 2562' to 2565'	150 gallons acid (15% MCA)	2562-2565

TUBING RECORD		Size <u>2 3/8</u>	Set At <u>2594'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		30	five		

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

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SEP 02 2008

CONSERVATION DIVISION  
WICHITA, KS



SERVICE TICKET

UNITED CEMENTING & ACID CO., INC.

№ 3838

BOX 712

EL DORADO, KANSAS 67042

PHONE AC 316-321-4680

DATE 9-23-83 COUNTY Cowley  
 CHG. TO: ROCI ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE KS ZIP \_\_\_\_\_  
 LEASE & WELL NO. Hale # 6 SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_  
 CONTRACTOR Range Dip # 2 TIME ON LOCATION 3:00 P.M.  
 KIND OF JOB Long string  
 SERVICE CHARGE: One Cement Unit 811.28

QUANTITY	MATERIAL USED TYPE	
125	Cement @ 4.105	581.25 #
2	Gel @ 9.00	18.00 *
1	CC @ 21.00	21.00 *
625 #	Salt (625 x 1.44 x 3.55)	31.95 *
625 #	Gilbrite @ .31	193.75 *
800 #	Salt flush (800 x 1.44 x 3.55)	40.90 *
	BULK CHARGE 148.00 @ .80	118.40
11	BULK TRK. MILES (7.50 x 1.65 x 11)	53.62
11	PUMP TRK. MILES	
1	PLUGS <u>4 1/2 Top Rubber</u>	31.00 *
	SALES TAX	27.54 *
	TOTAL	1,928.70

T. D. 3380' CSG. SET AT 3356' VOLUME \_\_\_\_\_  
 SIZE HOLE 7 7/8" TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
 MAX. PRESS. 500 SIZE PIPE 4 1/2"  
 PLUG DEPTH 3349 PKER DEPTH \_\_\_\_\_  
 PLUG USED Top Rubber TIME FINISHED 6:00 P.M.  
 REMARKS: Used 125 saks

190 CC  
270 Gel  
570 salt  
570 Gil  
800 lb salt flush

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 KANSAS CORPORATION COMMISSION  
 SEP 02 2008  
 CONSERVATION DIVISION  
 WICHITA, KS

new well

EQUIPMENT USED		UNIT NO.	NAME	UNIT NO.
NAME	UNIT NO.			
<u>Daile</u>				
<u>David</u>				
<u>John A.</u>				

CEMENTER OR TREATER

OWNER'S REP.