

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

1/19/11

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34191
 Name: Reeder Operating, LLC
 Address 1: 4925 Greenville Ave. Suite 1400
 Address 2: _____
 City: Dallas State: TX Zip: 75206 + _____
 Contact Person: Jeffrey J. Harwell
 Phone: (214) 373-7793
 CONTRACTOR: License # 33575
 Name: WW Drilling, LLC
 Wellsite Geologist: Larry Nicholson
 Purchaser: None
 Designate Type of Completion:
 _____ New Well _____ Re-Entry _____ Workover
 _____ Oil _____ SWD _____ SIOW
 _____ Gas _____ ENHR _____ SIGW
 _____ CM (Coal Bed Methane) _____ Temp. Abd.
 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. _____ Conv. to SWD
 _____ Plug Back: _____ Plug Back Total Depth
 _____ Commingled _____ Docket No.: _____
 _____ Dual Completion _____ Docket No.: _____
 _____ Other (SWD or Enhr.?) _____ Docket No.: _____

<u>11/30/09</u>	<u>12/7/09</u>	<u>12/8/09</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 153-20882-00-00
 Spot Description: _____
 _____ SE _____ NW _____ SE Sec. 5 Twp. 1 S. R. 35 East West
1418 Feet from North / South Line of Section
1405 Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Rawlins
 Lease Name: Walter Well #: 10-5
 Field Name: None
 Producing Formation: None
 Elevation: Ground: 3143 Kelly Bushing: 3148
 Total Depth: 4444 Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at: 302 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 DAW45-10
 (Data must be collected from the Reserve Pit)
 Chloride content: 2900 ppm Fluid volume: 1200 bbls
 Dewatering method used: Air dry - backfill
 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: Jeffrey J. Harwell (JEFFREY J. HARWELL)
 Title: V.P., OPERATIONS Date: 18 JAN 2010
 Subscribed and sworn to before me this 18TH day of JANUARY,
 20 10.
 Notary Public: Stephanie T. Leonard
 Date Commission Expires: 12-11-2011

KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

RECEIVED
JAN 21 2010

 STEPHANIE T. LEONARD
 Notary Public
 STATE OF TEXAS
 My Comm. Ex. Dec. 11, 2011

KCC WICHITA

Operator Name: Reeder Operating, LLC Lease Name: Walter Well #: 10-5
 Sec. 5 Twp. 1 S. R. 35 East West County: Rawlins

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 <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" 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 <i>(Submit Copy)</i> List All E. Logs Run: Log Tech: Dual Comp Porosity, DIL, BH Comp Sonic, Micro Log (copies included)	<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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Foraker</td> <td>3566</td> <td>-418 SS</td> </tr> <tr> <td>Topeka</td> <td>3890</td> <td>-742</td> </tr> <tr> <td>Oread</td> <td>3996</td> <td>-848</td> </tr> <tr> <td>Heebner</td> <td>4047</td> <td>-899</td> </tr> <tr> <td>Lansing</td> <td>4105</td> <td>-957</td> </tr> </table>	Name	Top	Datum	Foraker	3566	-418 SS	Topeka	3890	-742	Oread	3996	-848	Heebner	4047	-899	Lansing	4105	-957
Name	Top	Datum																	
Foraker	3566	-418 SS																	
Topeka	3890	-742																	
Oread	3996	-848																	
Heebner	4047	-899																	
Lansing	4105	-957																	

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#	302	Common	175	3% CC+ 2% Gel

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 <i>(Amount and Kind of Material Used)</i>	Depth

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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: NONE: WELL P&A'd _____ _____
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WW Drilling, LLC
WaKeeney, KS
Well Plugging Orders

Operator: Reeder Operating, LLC License # 34191
Address: 4925 Greenville Ave., Suite 1400 - Dallas, Texas 75206

API # 15-153-20882-00-00

Lease Name: Walter # 10-5

Legals: 1418' FSL & 1405' FEL, Sec 5-1s-35w

County: Rawlins

State: Ks

Plug #	Sx.	@	Feet
1st	<u>25</u>	<u>@</u>	<u>3080</u>
2nd	<u>100</u>	<u>@</u>	<u>2295</u>
3rd	<u>40</u>	<u>@</u>	<u>350</u>
4th	<u>10</u>	<u>@</u>	<u>40</u>
5th	<u> </u>	<u>@</u>	<u> </u>
Rathole	<u>30</u>		
Mousehole	<u> </u>		

Total: 205

Type: 60/40 Poz - 4% Gel - 1/4 # per sx flo-seal

Spud Report: Bruce Rodie Date: 11/30/2009 Time: 2:20 PM

Orders From: Pat Bedore Date: 12/4/2009 Time: 1:15 PM

Reported to: David Wann Date: 12/10/2009 Time: 9:00 AM

Results: D & A

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API # 15-153-20882-00-00

Operator: Reeder Operating, LLC Well Name & No: Walter # 10-5
 Location: 1418' FSL & 1405' FEL, Section 5-1s-35w County: Rawlins State: Kansas
 Rig No.: 4 Contractor: VWV Drilling, LLC Tool Pusher: Red Doherty - 785-259-4392
 Drill Collars: 14 Size: 6 1/4 x 2 1/4 Rig Phone: 785-259-0038
 Make Pump: Emsco D-300 Liner & Stroke: 6 x 14 Spud 11/30/09 @ 3:00 pm
 Approx. TD: 4800 Elevation: 3143 G.L.: 3148 KB Hole Complete: 12/07/09 @ 10:00 pm
 Mud Co.: Morgan Mud Mud Engineer: Dave Lines Water: Pond

Date	11/30/09	12/01/09	12/02/09	12/03/09	12/04/09	12/05/09	12/06/09	12/07/09	12/08/09	12/09/09
Days	1-spud	2-drlg	3-drlg	4-drlg	5-drlg	6-dst-1	7-drlg	8-dst #3	9-LDDP	10-done
Depth		380	2546	3463	4031	4125	4260	4314	4444	4444
Ft. Cut		380	2166	917	568	94	135	54	130	
D.T.		8-woc								
D.T.										
C.T.						20	15	23	16	12
Bit Wt.		12,000	28,000	35,000	38,000	35,000	35,000	35,000	35,000	
RPM		90	90	85	85	85	85	85	85	
Pressure		500	750	850	850	850	850	850	850	
SPM		60	57	60	60	57	57	57	57	
Mud Cost		1511	2570	8351	12,315	12,834	14,409	16,360	16,360	
Mud Wt.		8.8	9	9	8.9	9	9	9.1	9.2	
Viscosity		27	32	32	68	56	55	52	65	
Water Loss					6.8	7.2	8	7.2	7.2	
Chlorides					800	600	2500	1600	1600	
L.C.M.			1 #	1 #	1/2 #	2 #	7 #	6#	7 #	
Dev. Sur		3/4°-303'				1.5°-4125		1.75°-4314	2°-4444	
Dev. Sur										
Fuel	1573	4136	3787	3321	2855	2505	2190	1864	1573	1457
Water-Pit	water	1-full 2-1'	1-1/2 2-1	1-2-2-1	1-3'	1-3.5'	1-3.5'	3.5'	2.5'	
ACC Bit Hrs.		0.5	23.5	46.5	69.5	73.25	82.25	83.25	91.25	
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm	sh-lm	sh-lm	sh-lm	
Weather	clear	clear	lt snow	clear-cold	clear	clear	clear	clear	snow	clear-cold

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Smith	303	303	3.25	3.25	RR	240294	
2	7 7/8	Sm - F-27	4444	4141	91.25	94.5	New	PN 9239	47 fph
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
302	8 5/8	175	Common, 3% cc, 2% gel	10:30 PM	6:30 AM	Allied Cem - did circulate

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	4046-4125 (A)	30	60	45	90	65' muddy water
2	4166-4273	30	60	30	60	5' mud
3	4264-4314	30	60	45	90	5' mud oil cut spotted water
4						
5						
6						
7						
8						
9						

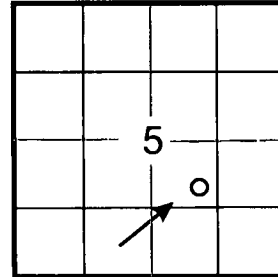
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Surface Casing Furnished by: Sunrise Supply: 7 joints 8 5/8, 24 #, tally 295.10', set @ 302'
 Remarks: Spud @ 3:00 pm, wiper trip, surface strapped & welded, lost fluid @ 2300'(150 bbls), anhydrite 3060-3096, displaced @ 3519 (700 bbls), short trip 51 stds @ 4094'(7.5 hrs), hit bridge @ 3652', lost circulation (200 bbls), pulled 25 stds - added premix - got returns, tripped to bottom, CTCH, short trip 31 stds(2 hrs), short trip 31 stds @ 4125(1.75 hrs), pipe strap @ 4125(1.11 long), lost circulation tripping in hole, pulled stands, mix mud, trip to bottom, log tech (LTD-4449). logged from 12:45-5:30 am. plug hole.

GEOLOGICAL REPORT

Larry A. Nicholson

COMPANY Reeder Operating LLC
API # 15-153-20882 **FIELD**
LEASE Walter **WELL #** 10-5
LOCATION SE SE NW SE
SURVEY 1418' FSL 1405' FEL
SECTION 5 **TWP** 1S **RGE** 35W
COUNTY Rawlins **STATE** Kansas



CONTRACTOR W W Drilling **Rig #** 4
SPUD 3:00 pm 11-30-09 **COMP**
RTD 4444' 10:00 pm 12-07-09 **LTD** 4449'
MUD UP AT 3519'
MUD TYPE CHEMICAL Morgan Mud (water-pond)

ELEVATIONS

K.B. 3148'
D.F.
G.L. 3143'
 All measurements from **K.B.** 3148'

SAMPLES SAVED **FROM** 3500' **TO** TD
DRILLING TIME **FROM** 3500' **TO** TD
SAMPLES EXAMINED **FROM** 3500' **TO** TD
GEOLOGICAL SUPERVISION **FROM** 3500' **TO** TD
WELLSITE GEOLOGIST LARRY A. NICHOLSON

CASING RECORD

Conductor _____ of _____ w/ _____ sx
Surface 302 of 8.625 24# w/ 175 sx
Production _____ of _____ w/ _____ sx

ELECTRICAL SURVEYS LogTech - Dual Comp Por, Dual Induction, Sonic, Microlog

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELEC LOG TOPS	SUBSEA DATUM	REFERENCE WELL	
					A	B
Stone Corral	3062	+86	3062	+86		
Base SC	3098	+50	3098	+50		
Topeka	3890	-742	3890	-742		
Oread	3996	-848	3996	-848		
Heebner	4047	-899	4047	-899		
LGKC - A	4105	-957	4105	-957		
LGKC - B	4158	-1010	4158	-1010		
LGKC - C	4208	-1060	4208	-1060		
LGKC - D	4262	-1114	4262	-1114		
LGKC - E	4302	-1154	4302	-1154		
BKC	4378	-1230	4378	-1230		
RTD	4444	-1296	4444	-1296		
LTD	4449	-1301	4449	-1301		

REFERENCE WELLS
 A:
 B:

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WALTER

No.	Inte
1	40 4'
	LK
2	4' 42
	LKC
3	42 43
	LK
4	
5	
6	
7	
	REMAF
	Base
	* NO1
	down
	The L
	down

DRILL STEM TESTS

No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHH/FHH	Recovery
1	4046 to 4125 LKCA	30" 46-65 weak blow built to 2 3/4"	60" 1130 No blow back	45" 71-86 Weak blow built to 1"	90" 1085 No blow back	IHP: 1958 FHP: 1935	Rec Total 65' drilling mud
2	4166 to 4273 LKC C & D	30" 53-55 Weak blow built to 2"	60" 163 No blow back	30" 56-57 no blow	60" 96 No blow back	IHP: 2059 FHP: 1996	Rec Total 5' drilling mud
3	4214 to 4314 LKC E	30" 25-28 Weak blow died 5"	60" 122 No blow back	45" 30-32 Weak blow died 30 sec	90" 86 No blow back	IHP: 2098 FHP: 2059	Rec Total 5' mud w/spts O
4							Dst #1 4046-4125 [4050-4129 corrected] Dst #2 4166-4273 [4172-4277 corrected] Dst #3 4214-4314 [4218-4318 corrected]

- sx
- sx
- sx

5

6

7

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REMARKS & RECOMMENDATIONS:

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Based on sample shows, dst results and log analysis the well was P&A

** NOTE: DRILL TIME, GAS CURVE, & DST LINE in GeoReport were move
down 4' to match ELOG.*

*The DST Depths in report are original and should also be moved
down 4' to match ELOG.*

WALTER