

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

1/19/11

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 SLOW
Gas ENHR SIGW
CM (Coal Bed Methane) Temp. Abd.
Dry Other
(Core, WSW, Expl., Cathodic, etc.)

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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
Commingle Docket No.:
Dual Completion Docket No.:
Other (SWD or Enhr.?) Docket No.:
11/19/2009 11/26/2009 11/27/2009
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 153-20883-00-00
Spot Description:
NW NE NW Sec. 20 Twp. 1 S. R. 35 East West
375 Feet from North / South Line of Section
1392 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE NW SE SW
County: Rawlins
Lease Name: Wilkinson Well #: 3-20
Field Name: None
Producing Formation: None
Elevation: Ground: 3190 Kelly Bushing: 3195
Total Depth: 4469 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 PANS 3-24-10
(Data must be collected from the Reserve Pit)
Chloride content: 600 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: [Signature] 19 Jan 2010
Title: VP, Operations Date: 19 Jan 2010
Subscribed and sworn to before me this 19TH day of January, 2010.
Notary Public: [Signature]
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

STEPHANIE T. LEONARD
Notary Public
STATE OF TEXAS
My Comm. Exp. 11/29/11

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

Operator Name: Reeder Operating, LLC Lease Name: Wilkinson Well #: 3-20  
 Sec. 20 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: <b>Log Tech: Dual Comp Porosity, DIL, Microlog</b>	<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>Stone Corral</td> <td>3085</td> <td>+110 SS</td> </tr> <tr> <td>Topeka</td> <td>3910</td> <td>-715</td> </tr> <tr> <td>Oread</td> <td>4020</td> <td>-825</td> </tr> <tr> <td>Heebner</td> <td>4078</td> <td>-883</td> </tr> <tr> <td>Lansing</td> <td>4148</td> <td>-953</td> </tr> </table>	Name	Top	Datum	Stone Corral	3085	+110 SS	Topeka	3910	-715	Oread	4020	-825	Heebner	4078	-883	Lansing	4148	-953
Name	Top	Datum																	
Stone Corral	3085	+110 SS																	
Topeka	3910	-715																	
Oread	4020	-825																	
Heebner	4078	-883																	
Lansing	4148	-953																	

**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	24#	302	Common	200	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 (Amount and Kind of Material Used)	Depth
		<b>RECEIVED</b> <b>JAN 21 2010</b> <b>KCC-WICHITA</b>	

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> NONE: WELL P&A'd
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WW Drilling, LLC  
WaKeeney, KS  
Well Plugging Orders

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DEC 17 2009

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

API # 15-153-20883-00-00

Lease Name: Wilkinson # 3-20  
Legals: 375' FNL & 1392' FWL, Sec 20-1s-35w  
County: Rawlins  
State: Ks

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Plug #	Sx.	@	Feet
1st	25	@	3100
2nd	100	@	2340
3rd	40	@	355
4th	10	@	40
5th		@	
Rathole	30		
Mousehole			

Total: 205

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

Spud Report: Pat Bedore Date: 11/19/2009 Time: 10:30 AM

Orders From: Marvin Mills Date: 11/23/2009 Time: 10:00 AM

Reported to: Ray Dinkel Date: 12/7/2009 Time: 10:40 AM

Results: D & A

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API # 15-153-20883-00-00

Operator: Reeder Operating, LLC Well Name & No: Wilkinson # 3-20  
 Location: 375' FNL & 1392' FWL, Section 20-1s-35w County: Rawlins State: Kansas  
 Rig No.: 4 Contractor: WW Drilling, LLC Tool Pusher: Red Doherty - 785-259-4392  
 Drill Colls: 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: 11/20/09 @ 5:00 pm  
 Approx. TD: 4800 Elevation: 3190 G.L.: 3195 KB Hole Complete: 11/26/09 @ 11:00 pm  
 Mud Co.: Morgan Mud Mud Engineer: Dave Lines Water: Pond

Date	11/19/09	11/20/09	11/21/09	11/22/09	11/23/09	11/24/09	11/25/09	11/26/09	11/27/09	11/28/09
Days	1-spud	2-woc	3-drlg	4-drlg	5-short trip	6-dst-1	7-dst #2	8-dst #4	9-Logging	10-done
Depth		303	2259	3480	4100	4198	4302	4348	4469	4469
Ft. Cut		303	1956	1221	620	98	104	46	121	
D.T.										
D.T.		4.75-woc	3.25-woc	1/2-rot chain		1.5-trip				
C.T.					1.5	18.75	17.75	21.75	17.25	10
Bit Wt.	All	10,000	25,000	32,000	38,000	35,000	35,000	35,000	38,000	
RPM	110	90	90	85	85	85	85	85	85	
Pressure	450	400	550	700	600	800	850	850	950	
SPM	60	60	60	60	60	57	57	57	60	
Mud Cost		1285	2462	8603	11,088	11,388	12,267	12,267	12,982	13,614
Mud Wt.	9-9.3	8.8	9	8.7	9	9.1	9.2	9	9.2	
Viscosity	35-45	27	30	60	59	58	56	60	57	
Water Loss	NC				6.8	6	6.4	6.4	6	
Chlorides					900	900	1,000	800	1,000	
L.C.M.	1 #		1.5 #	1 #	1 #	1 #	1 #	1 #	1 #	
Dev. Sur		3/4°-303'				1°-4100'	1.25°-4302'			
Dev. Sur										
Fuel	1981	4020	3729	3321	2913	2622	2330	2039	1631	1573
Water-Pit	full	1-1/2 2-1/4	1-1/2 2-1/4	1-1/2 2-0	1-5 2-3/4	1-full 2-1/2	full - 2'	1/1/2004	full	
ACC Bit Hrs.			19	40.5	62.25	66.25	72.25	74.5	81	
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm	sh-lm	sh-lm	sh-lm	
Weather	clear	clear	clear	clear	clear	clear	clear	clear	clear	

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	4469	4166	81	84.25	New	PN 9027	
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
302	8 5/8	200	Common, 3% cc, 2% gel	2:15 AM	10:15 AM	Allied Cem - did circulate
3100		205	60/40 poz - 4% gel - 1/4# flo-seal	3:00 PM	11/27/2009	Allied Cem - did circulate

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	4146-4198	30	30	30	90	75' ocm
2	4199-4302	30	60	30	60	misrun
3	4199-4302	30	60	30	60	124' ocm
4	4300-4348	30	60	45	90	237' mw
5						
6						
7						
8						
9						

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Surface Casing Furnished by: Sunrise Supply: 7 joints - 8 5/8 - 24# - J-55 -tally 295.30', set @ 302'

Remarks: Spud @ 5:00 pm, Surface pipe hit bridge, tih, circulate, toh & run surface. surface strapped & welded, lost fluid 2040-2200(200 bbls), anhydrite 3080-3119, displaced @ 3458 (770 bbls), short trip @ 4100', short trip 34 stds(2 hrs), pipe strap @ 4198 (1.85 long), RTD 4469', Short trip 10 stands, (.75 hr) LTD 4472', by Log-Tech, Logged 3:30am-8:00 am, 11/27/09. Plugged as ordered, 25sx @ 3100', 100sx @ 2340', 40sx @ 355', 10sx @ 40', 30sx in rathole. Plug down @ 3:00 pm by Allied Cem. Rig released @ 5:30 pm. 11/27/09.



# CEMENTING LOG

STAGE NO.

Date 12-9-09 District OKAY Ticket No. 44430  
 Company Reed's Operating Rig W-404  
 Lease Walker Well No. 10-5  
 County Rawlins State KS  
 Location Brandley n-Rock Field S-1-S-35w  
1w-114 n-w-11n

### CEMENT DATA:

Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type 60/40 4" seal  
114 210-50A1 Excess \_\_\_\_\_

Amt. 205 Skys Yield 1.40 ft<sup>3</sup>/sk Density 13.8 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_

Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

WATER: Lead 6-7 gals/sk Tail \_\_\_\_\_ gals/sk Total 32.7 Bbls

Pump Trucks Used 431

Bulk Equip. 347

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size \_\_\_\_\_ Type \_\_\_\_\_ Weight \_\_\_\_\_ Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe: Size 4 1/2 Weight \_\_\_\_\_ Collars \_\_\_\_\_

Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

### CAPACITY FACTORS:

Casing: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Drill Pipe: Bbls/Lin. ft. 10142 Lin. ft./Bbl. 70'

Annulus: Bbls/Lin. ft. 10406 Lin. ft./Bbl. 24'

Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Float Equip. Manufacturer \_\_\_\_\_

Shoe. Type \_\_\_\_\_ Depth \_\_\_\_\_

Float. Type \_\_\_\_\_ Depth \_\_\_\_\_

Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equip. \_\_\_\_\_

Disp. Fluid Type water mud Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG

Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE Dave Hoover

CEMENTER Fuzzy

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/EM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
12:30						ann loc pre-job safety meeting
1:30-1:45					10 6.2 3 39	Pump 10 Bbl water mix 255 PS water displace mud displace } 3080
2:30-2:50					10 2.4 3 23	Pump 10 Bbl water mix 100 SKS cement water displace mud displace } 2295
4:15-4:30					9.9 2.4	mix 40 SKS cement water displace } 350'
5:00-5:30					2.4 7.4	mix 10 SKS @ 40' mix 30 SK in 40'
5:30						Job complete

Post-it® Fax Note 7671

Date <u>1-29-10</u>	# of pages <u>4</u>
To <u>Jeff</u>	From <u>Judy</u>
Co./Dept.	Co.
Phone #	Phone #
Fax # <u>214-373-7832</u>	Fax #

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PSI BLEEDBACK \_\_\_\_\_ BBLs. THANK YOU

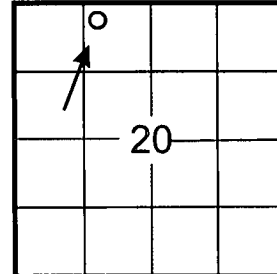
WATER: PFA



# GEOLOGICAL REPORT

## Larry A. Nicholson

COMPANY Reeder Operating LLC  
 API # 15-153-20883 FIELD \_\_\_\_\_  
 LEASE Wilkinson WELL # 3-20  
 LOCATION NW NE NW  
 SURVEY 375' FNL 1382' FWL  
 SECTION 20 TWP 1S RGE 35W  
 COUNTY Rawlins STATE Kansas



CONTRACTOR W W Drilling Rig # 4  
 SPUD 5:00 PM 11-19-09 COMP \_\_\_\_\_  
 RTD 4469' 10:50 PM 11-27-09 LTD 4472'  
 MUD UP AT 3456'  
 MUD TYPE CHEMICAL

### ELEVATIONS

K.B. 3195'  
 D.F. \_\_\_\_\_  
 G.L. 3190'  
 All measurements from K.B. 3195'

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 303 of 8.625 23# w/ 200 sx  
 Production \_\_\_\_\_ of \_\_\_\_\_ w/ \_\_\_\_\_ sx

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

### FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELEC LOG TOPS	SUBSEA DATUM	REFERENCE WELL	
					A	B
<b>Stone Corral</b>	<b>3085</b>	<b>+110</b>	<b>3085</b>	<b>+110</b>		
<b>Base SC</b>	<b>3120</b>	<b>+75</b>	<b>3120</b>	<b>+75</b>		
<b>Topeka</b>	<b>3910</b>	<b>-715</b>	<b>3910</b>	<b>-715</b>		
<b>Oread</b>	<b>4020</b>	<b>-825</b>	<b>4020</b>	<b>-825</b>		
<b>Heebner</b>	<b>4078</b>	<b>-883</b>	<b>4078</b>	<b>-883</b>		
<b>LGKC - A</b>	<b>4148</b>	<b>-953</b>	<b>4148</b>	<b>-953</b>		
<b>LGKC - B</b>	<b>4190</b>	<b>-995</b>	<b>4190</b>	<b>-995</b>		
<b>LGKC - C</b>	<b>4244</b>	<b>-1049</b>	<b>4244</b>	<b>-1049</b>		
<b>LGKC - D</b>	<b>4292</b>	<b>-1097</b>	<b>4292</b>	<b>-1097</b>		
<b>LGKC - E</b>	<b>4336</b>	<b>-1141</b>	<b>4336</b>	<b>-1141</b>		
<b>BKC</b>	<b>4410</b>	<b>-1215</b>	<b>4410</b>	<b>-1215</b>		
<b>RTD</b>	<b>4469</b>	<b>-1274</b>	<b>4469</b>	<b>-1274</b>		
<b>LTD</b>	<b>4472</b>	<b>-1277</b>	<b>4472</b>	<b>-1277</b>		

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REFERENCE WELLS A: \_\_\_\_\_  
 B: \_\_\_\_\_

*WILKINSON*

No.	Inte
1	4' 4' LK
2	4' 4' LKC
3	4' 4' LKC
4	4' 4' LK
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	4146 to 4198  LKC B	30" 32-54 Surface blow	30" 823  No blow back	30" 60-67 Surface blow	90" 962  No blow back	IHP: 2051 FHP: 2029	Rec Total 75' 75' OCM 10%O, 90%M
2	4199 to 4302  LKC C & D						Tools slid to btm & Plugged perfs (Test had 7' perfs on btm)
3	4201 to 4302  LKC C & D	30" 59-83 ½" blow died in 2"	60" 1221  No blow back	30" 83-111 Surf blow died 10"	60" 1129  No blow back	IHP: 2126 FHP: 2060	Rec Total 124' 64' OCM 20%O, 80%M 64' OCM 10%O, 90%M
4	4300 to 4348  LKC E	30" 56-98 Weak Surf blow built to 3"	60" 1262  No blow back	45" 100-131 Weak blow built to 1/2"	90" 1252  No blow back	IHP: 2121 FHP: 2100	Tool slid 5 ft to bottom Rec Total 75' 75' OCM 10%O, 90%M
5							
6							
7							

**REMARKS & RECOMMENDATIONS:** \_\_\_\_\_

*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 2' to match ELOG. Pipe Strap was off approx 2'. at 1st dst.*

*The DST Depths in report are original and should also be moved  
down 2' to match ELOG.*

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*WILKINSON*

\_\_\_\_\_ SX  
10 \_\_\_\_\_ SX  
\_\_\_\_\_ SX

WELL

B