

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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 # 30102  
Name: Robert Christenson dba C & S Oil  
Address 1: PO Box 41  
Address 2: \_\_\_\_\_  
City: Neosho Falls State: KS Zip: 66758 + \_\_\_\_\_  
Contact Person: Robert Christenson  
Phone: ( 620 ) 365-0919  
CONTRACTOR: License # 33986  
Name: Owens Petroleum services, LLC  
Wellsite Geologist: none  
Purchaser: Pacer Energy Marketing,

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 #: \_\_\_\_\_

<u>7/22/2010</u>	<u>7/28/2010</u>	<u>7/28/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 207-27632-00-00

Spot Description: \_\_\_\_\_  
NW SE NW SW Sec. 3 Twp. 24 S. R. 17  East  West  
1,855 Feet from  North /  South Line of Section  
4,435 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW

County: Woodson

Lease Name: Reinhard Krohn Well #: 9

Field Name: Neosho Falls-Leroy

Producing Formation: mississippi

Elevation: Ground: 962 Kelly Bushing: none

Total Depth: 1255' Plug Back Total Depth: none

Amount of Surface Pipe Set and Cemented at: 40 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: 1250

feet depth to: surface w/ 130 sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: hauled off

Location of fluid disposal if hauled offsite:

Operator Name: Robert Christenson dba C & S Oil

Lease Name: Reinhard Krohn License #: 30102

Quarter SW Sec. 3 Twp. 24 S. R. 17  East  West

County: Woodson Permit #: D30293

**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: Paul Christenson

Title: Owner Date: 9-13-16

KCC Office Use ONLY

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Dlg Date: 9/21/16

Operator Name: Robert Christenson dba C & S Oil Lease Name: Reinhard Krohn Well #: 9  
 Sec. 3 Twp. 24 S. R. 17  East  West County: Woodson

**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 type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Gamma Ray/Neutron</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>mississippi</td> <td>1191'</td> <td></td> </tr> </table>	Name	Top	Datum	mississippi	1191'	
Name	Top	Datum					
mississippi	1191'						

CASING RECORD <input type="checkbox"/> New <input checked="" 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	9 7/8"	7" (new)	17#	40'	Portland	20	
production	5 5/8"	2 7/8"	6.5#	1250'	Quick Set	130	

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
2	1191' - 1201' (21 perms)	1000 Gal. 15% HCL	

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. 8/17/2010		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. .15	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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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**OWENS PETROLEUM SERVICES, LLC  
DRILLER'S LOG**

Operator: Bob CES Oil  
 Lease / Well #: Reinhard - Krohn #9  
 API #: 15-207-27632-0000      3-24-17 WOCO

	Date		Date		Date		Date
Spud/Surface	7-22-10	Drilled to TD	7-28-10	Logged		1" / pump	
Set Surface	7-22-10	Run/Casing	7-28-10	Perforated		Lead Line/Elec	
Spud/Casing	7-23-10	Cemented LS		Frac		Closed Pit	

Purpose	Size Drilled	Size Pipe	Weght #/ft	Setting Depth	Cement	# Sacks	Additives
Surface:	9 1/2	7"		40'	20	monarch	
Casing:	5 3/4	2 1/2		1250			
Frac:							

Driller's TD:	ft	Logger's TD:	ft	Fluid Volume:	bbls
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Surface Bit and Subs: 3.70'  
 Kelly: Top of Groove to Square: 22.60'  
 Footage Above Ground Level: \_\_\_\_\_ Total

2012

FOOTAGE:      FORMATION:      TOTAL:

Bit and Sub	FOOTAGE	FORMATION	TOTAL
Bit and Sub	1.90	gravel 21-26	
1st Collar	19.90	Lime 30' - 42	
2nd Collar	20.00		
Joints:	62.5	41.8	
	83.2	S	
	103.9	S	
	124.6	S	
	145.3	L 151 -	
	166.0	- 171 172 DM shale P22 L +	
	186.7	- 188 L 191 -	
	207.4	L	
	228.1	L	
	248.8	S	
	269.5	L	
	290.2	L -	
	310.9	312 L 321	
	331.6	L	
	352.3	L	
	373.0	L	
	393.7	394 DM shale L 395	
	414.4	418-420 DM shale L 420	
	435.1	L-450	
7-26-10	455.8	L 470 - 472?	
	476.5	S	
	497.2	S	
	517.9	S	
	538.6	S	

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	FOOTAGE:	FORMATION:	TOTAL:
25	559.3	S	
26	580.0	S	
27	600.7	L 618-	
28	621.4	L	
29	642.1	L-850 L654	
30	662.8	L-	
31	683.5	-684	
32	704.2	L718 <sup>BOK 924</sup> 722-731	
33	724.9	L731-734 L736	
34	745.6	L747	
35	766.3	-768 L 769 -785	
36	787.0	L786-789 L799-795 L800-803	
37	807.7	S 824 straight gas odor	
38	828.4	S	
39	849.1	S	
40	869.8	S	
41	890.5	S	
42	911.2	S	
7-21	931.9	S	
44	952.6	S	
45	973.3	S	
46	994.0	S	
47	1014.7	S	
48	1035.4	S	
49	1056.1	S	
50	1076.8	S	
51	1097.5	S	
52	1118.2	S	
53	1138.9	1157 trip out for bit change (106ft+3)	
54	1159.6	S	
55	1180.3	L 1178 1196 gas odor oil	
56	1201.0	L	
7-22	1221.7	L	
58	1242.4		
59	1263.1		
60	1283.8		
61	1304.5		
62			
63			
64			
65			
66			
67			
68			
69			

Rig TD 1255  
 SIN 1190  
 pipe TD 1250

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F  
 MC ID # 165290  
 Shop # 620 437-2661  
 Cellular # 620 437-7582  
 Office # 316-685-5908  
 Office Fax # 316-685-5926  
 Shop Address: 3613A Y Road  
 Madison, KS 66860

Hurricane Services, Inc.  
 P.O. Box 782228  
 Wichita, KS 67278-2228

Cement, Acid or Tools  
 Service Ticket  
 3949

DATE 7-28-10

COUNTY Woodson CITY \_\_\_\_\_

CHARGE TO C&S Oil

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_

LEASE & WELL NO. Krohn #9 CONTRACTOR Scott Owens

KIND OF JOB LongString SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_

DIR. TO LOC. \_\_\_\_\_ OLD  NEW

Quantity	MATERIAL USED	Serv. Charge	
			750.00
130 SKs	Quick Set Cement		2145.00
200 lbs	Gel / Flush Ahead		50.00
4 Hrs	Water Truck #94		320.00
4 Hrs	Water Truck #97		320.00
	BULK CHARGE		
7.25 Tons	BULK TRK. MILES		279.12
35	PUMP TRK. MILES		105.00
2	PLUGS 2 7/8" Top Rubber		34.00
		7.3% SALES TAX	162.72
		TOTAL	4165.85

T.D. 1255'

CSG. SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_

SIZE HOLE 5 5/8"

TBG SET AT 1250' VOLUME 7.24 Bbls

MAX. PRESS. \_\_\_\_\_

SIZE PIPE 2 7/8"

PLUG DEPTH \_\_\_\_\_

PKER DEPTH \_\_\_\_\_

PLUG USED \_\_\_\_\_

TIME FINISHED \_\_\_\_\_

REMARKS: Rig up to 2 7/8" Tubing, Break circulation with 10 Bbls water, 10 Bbl Gel Flush, Circulate Gel around with fresh water to condition hole. Mixed 130 SKs Quick Set Cement, shut down - washout pump lines. Release 2-plugs - Displace plugs with 7 1/4 Bbls water. Final Pumping at 500 PSI. Pumped Plug to 1200 PSI - close Tubing in with 1200 PSI. Good cement returns to surface with 5 Bbl slurry.

"Thank you"

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EQUIPMENT USED

NAME Kelly Kimberlin UNIT NO. 185  
Brad Butler  
 HSI REP.

NAME Jerry #91, Mark #94, James #97 UNIT NO. \_\_\_\_\_  
witnessed by Bob  
 OWNER'S REP.

KCC WICHITA



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
20-431-9210 or 800-467-8676

TICKET NUMBER 50695  
FIELD TICKET REF # 44542  
LOCATION Thayer  
FOREMAN Brett Busby

*1st well*

**TREATMENT REPORT  
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-13-10	1021	Krohn #9				WO
CUSTOMER <u>Ron Bob Oil Co</u>			TRUCK #			
MAILING ADDRESS			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE			TRUCK #			
			DRIVER			

**WELL DATA**

CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE <u>2 7/8 REG</u>	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<u>11-120 (21)</u>	<u>Misshime</u>

**TYPE OF TREATMENT**  
Acid spot - Acid ball off

**CHEMICALS**


STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
Breakdown + stage acid		4.5			1600	BREAKDOWN 1600
pump 900 gal.		3.0			1400	START PRESSURE
15% HCL acid w/ 22 balls					500	END PRESSURE
staged thru-out every 15-20 seconds					600	BALL OFF PRESS
fill max-ball psi achieved					700	ROCK SALT PRESS
Release balls to T.D.					750	ISIP 375
Flush w/ 10 bbls KCL water					600	5 MIN
TOTAL	1800 GAL	3.0			625	10 MIN
	43 bbls				675	15 MIN
					625	MIN RATE
					600	MAX RATE
						DISPLACEMENT 7.0 bbls
						29.5 gals

REMARKS: spot 100 gal - 15% HCL acid on perfs

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LOCATION 12:45 PM - 2:00 PM 50 miles

AUTHORIZATION \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 8-13-10