

ORIGINAL

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

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

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 #:

7/14/2010 7/20/2010 7/22/2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 207-27629-00-00

Spot Description:
SW SE NE SW Sec. 3 Twp. 24 S. R. 17 [ ] East [ ] West
1,635 Feet from [ ] North [ ] South Line of Section
3,280 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 #: 6

Field Name: Neosho Falls-Leroy

Producing Formation: mississippi

Elevation: Ground: 966 Kelly Bushing: none

Total Depth: 1220 Plug Back Total Depth: none

Amount of Surface Pipe Set and Cemented at: 42 Feet

Multiple Stage Cementing Collar Used? [ ] Yes [ ] No

If yes, show depth set: Feet

If Alternate II completion, cement circulated from: 1213

feet depth to: surface w/ 127 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: [Handwritten Signature]
Title: Owner Date: 9-13-10

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: [Handwritten Signature] Date: 9/21/10

Operator Name: Robert Christenson dba C & S Oil Lease Name: Reinhard Krohn Well #: 6  
 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>1165</td> <td></td> </tr> </table>	Name	Top	Datum	mississippi	1165	
Name	Top	Datum					
mississippi	1165						

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#	42'	Portland	20	
production	5 5/8"	2 7/8"	6.5#	1213'	Quick Set	127	

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
2	1165' - 1173' (17 perms)	1000 Gal. 15% HCL	
			RECEIVED SEP 16 2010 KCC WICHITA

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <b>8/20/2010</b>	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. <b>1</b>	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 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) _____	PRODUCTION INTERVAL: _____ _____
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**OWENS PETROLEUM SERVICES, LLC  
DRILLER'S LOG**

Operator: Bob CES Oil  
 Lease / Well #: Reinhard Krohn #6  
 API #: 15-207-27629-0000 3-24-17 WOCO

1-15  
min

	Date		Date		Date		Date
Spud/Surface	7-14-10	Drilled to TD	7-20-10	Logged		1" / pump	
Set Surface	7-14-10	Run/Casing	7-21-10	Perforated		Lead Line/Elec	
Spud/Casing	7-16-10	Cemented LS		Frac		Closed Pit	

Purpose	Size Drilled	Size Pipe	Weight #/ft	Setting Depth	Cement	# Sacks	Additives
Surface:	9 7/8"	7"		42'	monarch	20	
Casing:	5 3/8" 5 blade bit	5 3/8"		1213			
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: 1 Total

20.7

FOOTAGE:      FORMATION:      TOTAL:

Bit and Sub	FOOTAGE	FORMATION	TOTAL
1st Collar	1.90		
2nd Collar	19.90	river gravel 30-32'	
1	20.00	41.8	
1	12.5	shale	
2	23.2	shale	
B	103.9	shale	
A	124.6	L 134-	
B	145.3	-150 BK shale L 153 - 158	
B	166.0	L 167 - 180 L 182 - 183	
A	186.7	L 189	
B	202.4	L	
B	228.1	L 234 L 236 - 238	
B	248.8	L 266 - 269 L	
A	269.6	L 274 - 281 284 - 286 BK shale	
B	290.3	L 298 - 306	
B	311.0	L 321 →	
A	331.7	L →	
B	352.3	L →	
B	373.0	B - 390 BK shale 390 - 392	
A	393.7	L 395 → 412 BK shale	
B	414.4	L	
B	435.1	L - 437 L 439 - 450	
B	455.8	S	
A	476.5	S	
B	497.2	S	
B	517.9	S	
A	528.1	S gravel 554	

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	FOOTAGE:	FORMATION:	TOTAL:
25	559.3	S	
	580.0	S	598 blkslut = 599 line
	600.7	L	610
	621.4	L - 635	
	642.1	L - 659	
30	662.8	L 691	
7-17	683.5	684-686	
32	704.2	Coal 702-704 L 709-712 L 719-721	
30	725.9	L 725-728	
34	745.6	BRK 745-746	
36	766.3	L 767-771 L 775 L 782	
38	787.0	BRK 791	
37	807.7	L 810	
7-19	828.4	828 slight odor	stopped gang down 2' left on 37th joint tripping out - 2 of 5 jets plugged
39	849.1	L 863-864 L 865-866	
40	860.8	L 874-877	
41	890.5	shale	
42	911.2	shale	
43	931.9	shale	
2:33	952.6	shale	
3:11	973.3	shale L 992	
3:45	994.0	shale	
4:10	1014.7	shale	
4:47	1035.4	shale	
5:15	1056.1	shale	
20 9:28	1076.8	shale	
10:06	1097.5	shale	
10:40	1118.2	shale	
11:15	1138.9	L 1154	
	1159.6	1165 odor brown line 65-67 slight odor 6769 odor 1169-79 odor 1171-1173 odor	
	1180.3	1173-76 odor 1176-78	
	1201.0		
	1221.7		
	1242.4		
	1263.1		
60	1283.8		
61			
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KCC WICHITA

RTD 1220  
 PIPE TD 1213  
 SIN 1154

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

Cement, Acid or Tools  
Service Ticket  
3943

MC ID # \_\_\_\_\_  
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

DATE 7-22-10

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

CHARGE TO CFS Oil  
ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_  
LEASE & WELL NO. Krohn #6 CONTRACTOR Scott Owens  
KIND OF JOB Longstring SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_  
DIR. TO LOC. \_\_\_\_\_ OLD  NEW

Quantity	MATERIAL USED	Serv. Charge	
			<u>750.00</u>
<u>127</u> sks	<u>Quick Set cement</u>		<u>2095.50</u>
<u>200</u> lbs.	<u>Gel / Flush Ahead</u>		<u>50.00</u>
<u>4</u> hrs	<u>water Truck #94</u>		<u>320.00</u>
<u>4 1/2</u> hrs	<u>water Truck #193</u>		<u>360.00</u>
	BULK CHARGE		
		RECEIVED SEP 16 2010	
<u>7.08</u> Trk	BULK TRK. MILES		<u>272.58</u>
<u>35</u>	PUMP TRK. MILES	KCC WICHITA	<u>105.00</u>
<u>2</u>	PLUGS <u>2 7/8" Top Rubber</u>		<u>34.00</u>
		<u>7.3%</u> SALES TAX	<u>159.10</u>
		TOTAL	<u>4146.18</u>

T.D. 1220'  
SIZE HOLE 5 5/8"  
MAX. PRESS. \_\_\_\_\_  
PLUG DEPTH \_\_\_\_\_  
PLUG USED \_\_\_\_\_

CSG. SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
TBG SET AT 1213' VOLUME 7.02 Bbls  
SIZE PIPE 2 7/8"  
PKER DEPTH \_\_\_\_\_  
TIME FINISHED \_\_\_\_\_

REMARKS: Risep to 2 7/8" Tubing, Break circulation with 5 Bbls water, 10 Bbl. Gel Flush, circulate Gel around with fresh water to condition hole, mixed 127 sks Quick Set cement, shut down - washout Pump & Lines - Release 2 Plugs - Displace Plugs with 7 Bbls water. Final Pumping at 500 PSI Bumpal Plugs to 1200 PSI - close Tubing in with 1200 PSI Good cement returns to surface with 5 Bbl. slurry "Thank you"

EQUIPMENT USED

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

NAME UNIT NO.  
Jerry #91, Tim #193, Rodger #94  
witnessed by Bob  
OWNER'S REP.



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

2nd well

TICKET NUMBER 50696  
FIELD TICKET REF # 44542  
LOCATION Thayer  
FOREMAN Brett Busby

**TREATMENT REPORT  
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
D-13-10		Krohn # 6				W0
CUSTOMER Ron Bob Oil Co			TRUCK #			
MAILING ADDRESS			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE			424 Eric			
			293 Josh			
			45BT91 Charles			

**WELL DATA**

CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE <u>2 1/8 80K</u>	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<u>1165-73 (17)</u>	<u>Miss Lime</u>

**TYPE OF TREATMENT**  
Acid spot - ABC

**CHEMICALS**

<u>KelsoB-city water</u>	RECEIVED SEP 16 2010 KCC WICHITA
<u>Acid-silt suspender - retarder</u>	
<u>inhibitor - Stim Oil</u>	

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
Breakdown					2000	BREAKDOWN 2000
1 stage acid						START PRESSURE
						END PRESSURE
pump 900 gal-15%		3.0			500	BALL OFF PRESS
HCl acid w/ 18					700	ROCK SALT PRESS
balls 100 staged					700	ISIP 400
20 seconds apart					600	5 MIN
thru-out acid					650	10 MIN
pump till max ball-off		3.1			700	15 MIN
					750	MIN RATE
Release balls to T.P.					800	MAX RATE
over flush	5 bbl	3.1			750	DISPLACEMENT 6.8
TOTAL GAL.					525	288 gal
BBL'S						

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

Location 2:00 PM - 3:00 PM 50 miles

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

Terms and Conditions are printed on reverse side.