



Operator Name: Robert Christenson dba C & S Oil Lease Name: Reinhard Krohn Well #: 8  
 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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Mississippi</td> <td>1178'</td> <td></td> </tr> </table>	Name	Top	Datum	Mississippi	1178'	
Name	Top	Datum					
Mississippi	1178'						

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#	33'	Portland	20	
production	5 5/8"	2 7/8"	6.5#	1233'	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	1178' 1188' (21 Perfs)	1100 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. 9/01/2010		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. 1	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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WIC ID # \_\_\_\_\_ 100230  
 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  
 3960

DATE 8-6-10

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

CHARGE TO C&S Oil

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

LEASE & WELL NO. Krohn #8 CONTRACTOR Scott Owens

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

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

Quantity	MATERIAL USED	Serv. Charge	
			750.00
127 SKs	Quick Set cement		2095.50
200 lbs.	Gel / Flush Ahead		50.00
4 Hrs	water Trk #97		320.00
4 Hrs	water Trk #193		320.00
	BULK CHARGE		
7.25 Trk	BULK TRK. MILES		279.13
35	PUMP TRK. MILES		105.00
2	PLUGS 2 7/8" Top Rubber		34.00
		7.3% SALES TAX	159.10
		TOTAL	4112.73

T.D. 1240

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

SIZE HOLE 5 5/8"

TBG SET AT 1233 VOL RECEIVED 7.14 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 127 SKs Quick Set cement. Shutdown - washout Pump Lines - Release Plugs - Displace Plugs with 7 1/4 Bbls water. Final Pumping at 500 PSI Bumped Plug to 1200 PSI. - close Tubing in w/ 1200 PSI Good cement returns to surface with 5 Bbls slurry "Thank you"

EQUIPMENT USED

NAME \_\_\_\_\_ UNIT NO. \_\_\_\_\_

NAME \_\_\_\_\_ UNIT NO. \_\_\_\_\_

Kelly Kimberlin #185

Jerry #91, James #97, Zack #183

Brad Butler

called by Bob

HSI REP.

OWNER'S REP.



**CONSOLIDATED**  
Oil Well Services, LLC

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

*1st well*

TICKET NUMBER 50837  
FIELD TICKET REF # \_\_\_\_\_  
LOCATION Thayer  
FOREMAN Greg W. Huff

**TREATMENT REPORT  
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-27-10	2027	Krohn # 8	3	24	14	WO
CUSTOMER CIS			TRUCK #			
MAILING ADDRESS			DRIVER			
CITY		STATE	ZIP CODE	TRUCK #		
			DRIVER			
			437 Akon			
			78 Rudy			
			524 Louisa			
			293 Andy			
			421 Eric			

**WELL DATA**

CASING SIZE <i>2 1/2</i>	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<i>1175-88 (211) Miss. Lime</i>	

**TYPE OF TREATMENT**  
*Acid Spot / ABC*

**CHEMICALS**

<i>1100 15% HCl Acid</i>	<i>Chlor Water</i>
<i>1000 Gal. Water</i>	<i>KCC Seab.</i>
<i>2000 Gal. Water</i>	
<i>2000 Gal. Water</i>	

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
						BREAKDOWN <i>1300</i>
						START PRESSURE <i>625</i>
						END PRESSURE <i>525</i>
						BALL OFF PRESS <i>3000</i>
						ROCK SALT PRESS
						ISIP <i>450</i>
						5 MIN
						10 MIN
						15 MIN
						MIN RATE
						MAX RATE
						DISPLACEMENT

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REMARKS: *Spot 100 acid to perforations - breakdown and stage -  
Establish rate 30 gpm - 1000 acid inj 22 balls  
evenly spaced - flush to perforations - release -  
flush acid from casing - shut in -  
No Unit*

AUTHORIZATION \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Terms and Conditions are printed on reverse side.

**OWENS PETROLEUM SERVICES, LLC  
DRILLER'S LOG**

Operator: C-S Oil Bob Christensen  
 Lease / Well #: Reinhard Krohn # 8  
 API #: 15-257-27671-0000 3-24-17

Spud/Surface	<u>8-2-10</u>	Drilled to TD		Logged		1" / pump	
Set Surface	<u>8-2-10</u>	Run/Casing		Perforated		Lead Line/Elec	
Spud/Casing	<u>8-3-10</u>	Cemented LS		Frac		Closed Pit	

Purpose	Size Drilled	Size Pipe	Weight #/ft	Setting Depth	Cement	# Sacks	Additives
Surface:	<u>9 5/8</u>	<u>7"</u>		<u>33</u>	<u>Monarch</u>	<u>20</u>	
Casing:	<u>5 7/8</u>						
Frac:							

Driller's TD:	ft	Logger's TD:	ft	Fluid Volume:	bbbls
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Surface Bit and Subs: 3.70'  
 Kelly: Top of Groove to Square: 22.60'  
 Footage Above Ground Level: 1 Total

FOOTAGE:      FORMATION:      TOTAL:

Bit and Sub	FOOTAGE	FORMATION	TOTAL
1st Collar	19.90	<u>Gravel 216-30 L 30</u>	
2nd Collar	20.00		
Joints:	<u>62.5 4 1/2 S</u>		
	<u>7 87.2 S</u>		
	<u>8 103.9 S</u>		
	<u>9 124.6 S</u>		
	<u>10 145.7 L 149-162</u>		
	<u>11 166.0 L 167-168 L 176-185</u>		
	<u>12 186.7 L 192 -</u>		
	<u>13 207.4 L</u>		
	<u>14 228.1 BK 240 L-245</u>		
	<u>15 248.8 L 254-256 L 264-262</u>		
	<u>16 269.5 L 270</u>		
	<u>17 290.2 BK 294 L 306</u>		
	<u>18 310.9 L 318 -</u>		
	<u>19 331.6 L</u>		
	<u>20 352.3 L</u>		
	<u>21 373.0 L - 388 L 391-394 L 397</u>		
	<u>22 393.7 L</u>		
	<u>23 414.4 L 424 L 427 -</u>		
	<u>24 435.1 L 436-438 L 440-445</u>		
	<u>25 455.8 S</u>		
	<u>26 476.5 S</u>		
	<u>27 497.2 S</u>		
	<u>28 517.9 S</u>		
	<u>29 538.6 S</u>		

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	FOOTAGE:	FORMATION:	TOTAL:
26	559.3	S	
26	580.0	S	
27	600.7	L 606 - 612	
28	621.4	L 635 -	
29	642.1	L - 645	
30	662.8	S	
31	683.5	S	
32	704.2	<del>L 708</del> L 708 -	
33	724.9	L - 740	
8-4-10 34	745.6	L 758 - 762	
35	766.3	L 778 - 782	
36	787.0	L 800 - 804	
37	807.7	S	
38	828.4	S	840 sheet case
39	849.1	S	
40	869.8	L 878 - 881	
41	890.5	coal 891	
42	911.2	S	
43	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 bit trip	
8-5-10 53	1138.9	L 1146 shok	
54	1159.6	L 1172 top of mtn.	
55	1180.3	1179 top of mtn	1180-1187 drilled good show
56	1201.0	L	
57	1221.7		
58	1242.4		
59	1263.1		
60			
61			
62			
63			
64			
65			
66			
67			
68			
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70			

Rig TD 1240  
 S/N 1173  
 pipe TD 1233

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