

1308633

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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: Yes 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 <i>(Explain)</i> _____				
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 <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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250 N. Water, Ste 200 - Wichita, Ks 67202

HURRICANE SERVICES INC

104 Prairie Plaza Parkway - Garnett, Ks 66032

Customer	JTC			Customer Name:		Ticket No.:	50683			
Address:				AFE No.:		Date:	8/21/2015			
City, State, Zip:				Job type:	CEMENT LONGSTRING (NEW WELL)					
Service District:				Well Details:	2 7/8 CASING @ 524 ... 5 7/8 HOLE @ 540					
Well name & No.	Hahn B5HN7			Well Location:		County:	Miami	State:	ks	
Equipment #	Driver	Equipment #	Driver	Equipment #	Hours	TRUCK CALLED			AM PM	TIME
26	joe					ARRIVED AT JOB			AM PM	
230	jeff					START OPERATION			AM PM	
111	Pete					FINISH OPERATION			AM PM	
109	Ron					RELEASED			AM PM	
241	troy					MILES FROM STATION TO WELL			AM PM	
Treatment Summary										
<p>well had 20 ft water table from 60 to 80 ft... Hooked onto 2 7/8 casing and pumped 5 bbl water to achieve circulation followed by 15 bbl gel sweep followed by 5 bbl water spacer and 85 sks of OWC.. Flushed pump and pumped plug to bottom and set float shoe.. M.I.T. on well @ 800 psi for 15 minutes.... 6 bbl slurry to pit... no water charge because we had water left of 80 vacs from plug job..</p>										
Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount	Net Amount			
c00101	Heavy Equip. One Way	mi	-	\$3.25	\$0.00		\$0.00			
c00102	Light Equip. One Way	mi	-	\$1.50	\$0.00		\$0.00			
c23002	Cement Pump	ea	1.00	\$675.00	\$675.00	10.00%	\$607.50			
c11100	Vacuum Truck 80 bbl	ea	1.00	\$84.00	\$84.00	10.00%	\$75.60			
c10900	Vacuum Truck 80 bbl	ea	1.00	\$84.00	\$84.00	10.00%	\$75.60			
P01605	O.W.C. Cement	sack	85.00	\$17.95	\$1,525.75	10.00%	\$1,373.18			
p01607	Bentonite Gel	lb	200.00	\$0.30	\$60.00	10.00%	\$54.00			
c24001	Cement Bulk Truck - Minimum	ea	1.00	\$300.00	\$300.00	50.00%	\$150.00			
p01631	Rubber Plug 2 7/8	ea	1.00	\$30.00	\$30.00	10.00%	\$27.00			
					Gross:	\$ 2,758.75	Net:	\$ 2,362.88		
					Total Taxable	\$ -	Tax Rate:	7.650%		
					Frac and Acid service treatments designed with intent to increase production on newly drilled or existing wells are not taxable.		Sale Tax:	\$ -		
							Total:	\$ 2,362.88		
					Date of Service:	8/21/2015				
					HSI Representative:	Joe Blanchard				
					Customer Representative:	Tom Cain				
<p>TERMS: Cash in advance unless Hurricane Services Inc has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts may pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws if such laws limit interest to a lesser amount. In the event it is necessary to employ an agency and/or attorney to affect the collection of said account, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become immediately due and owing and subject to collection.</p>										
<p>X _____ CUSTOMER AUTHORIZED AGENT</p>										
Customer Comments or Concerns:										

Hurricane Services appreciates any Comments, Concerns or Criticism's from our valuable customers as Safety and Customer Satisfaction are our Number 1 goal. All Comments are confidential and will be used in a constructive manner to improve our Safety and Job Performance.

Operator License # 32834
 Operator JTC Oil, Inc.
 Address 35790 Plum Creek Road
 City Osawatomie, KS 66064
 Contractor JTC Oil, Inc.
 Contractor License # 32834
 T.D. 540'
 T.D. of pipe 524'
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Injection

API # 15-121-31080-00-00
 Lease Name Hahn
 Well # BSI-HN7
 Spud Date 8/12/2015
 Cement Date 8/21/2015
 Location Sec 23 T 18 R 21
 1727 feet from N line
 2717 feet from W line
 County Miami

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
14	clay	2	16	
9	shale	16	25	
6	lime	25	31	
43	shale	31	74	
14	lime	74	88	
10	shale	88	98	
28	lime	98	126	
8	coal	126	134	
21	lime	134	155	
5	coal	155	160	
10	lime	160	170	
144	shale	170	314	
16	lime shale	314	330	
9	shale	330	339	
14	lime	339	353	
65	shale	353	418	
2	lime	418	420	
14	black shale	420	434	
16	lime	434	450	
11	shale	450	461	
1	lime	461	462	
3	coal	462	465	
5	lime	465	470	
5	shale	470	475	
2	oil sand	475	477	ok
2	oil sand	477	479	good
2	oil sand	479	481	good
2	oil sand	481	483	good
2	oil sand	483	485	ok
2	sand/shale	485	487	broke
11	shale	487	498	
42	black shale	498	540	

Summary of Changes

Lease Name and Number: HAHN BSI-HN7

API/Permit #: 15-121-31080-00-00

Doc ID: 1308633

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved By	NAOMI JAMES	Karen Ritter
Approved Date	09/03/2015	06/07/2016
Denied Date		06/07/2016
Electric Log Run?	No	Yes
Elogs_PDF		GAMMA NEUTRON
Save Link	../kcc/detail/operatorE ditDetail.cfm?docID=12 63195	../kcc/detail/operatorE ditDetail.cfm?docID=13 08633

Summary of Attachments

Lease Name and Number: HAHN BSI-HN7

API: 15-121-31080-00-00

Doc ID: 1308633

Correction Number: 1

Attachment Name

Cement Ticket

Drill Log