

Call  
Dm  
2/23/09

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
October 2008  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32787  
Name: Kansas Natural Gas Operating, Inc.  
Address 1: P O Box 815  
Address 2: East Highway 56  
City: Sublette State: KS Zip: 67877 + 0815  
Contact Person: Mr. Steve Lehning  
Phone: (620) 675-8185  
CONTRACTOR: License # 33375 33784  
Name: Trinidad Drilling, L.P.  
Wellsite Geologist: Mr. Ron Osterbuhr  
Purchaser: BP-Amoco  
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.)

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 \_\_\_\_\_  
 Commingled Docket No.: \_\_\_\_\_  
 Dual Completion Docket No.: \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No.: \_\_\_\_\_  

12-11-08	12-13-08	12-23-08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

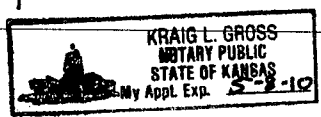
API No. 15 - 093-21836-0000  
Spot Description: NE-SW-SE-1/4  
NE SW SE 1/4 Sec. 24 Twp. 24 S. R. 35  East  West  
1250 Feet from  North /  South Line of Section  
1720 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Kearny  
Lease Name: Cannon Well #: 1-3  
Field Name: Hugoton-Chase Series  
Producing Formation: Chase Formation  
Elevation: Ground: 2937' Kelly Bushing: 2943' KB  
Total Depth: 2594' Plug Back Total Depth: 2580' KB  
Amount of Surface Pipe Set and Cemented at: 890' G.L. 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 AH I NCR 2-25-09  
(Data must be collected from the Reserve Pit)  
Chloride content: NA ppm Fluid volume: 129 bbls  
Dewatering method used: Evaporate till dry - Backfill - Manure location  
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: Steve Lehning  
Title: Supr. Date: 1-14-09  
Subscribed and sworn to before me this 14<sup>th</sup> day of January,  
20 09.  
Notary Public: Kraig L Gross  
Date Commission Expires: \_\_\_\_\_



**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

RECEIVED  
KANSAS CORPORATION COMMISSION  
JAN 16 2009  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Kansas Natural Gas Operating, Inc. Lease Name: Cannon Well #: 1-3  
 Sec. 24 Twp. 24 S. R. 35  East  West County: Kearny

**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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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>(Dual-Spaced Neutron)</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>T/PERMIAN</td> <td>850'</td> <td>2093'</td> </tr> <tr> <td>T/BLAINE</td> <td>1262'</td> <td>1681'</td> </tr> <tr> <td>B/STONE CORRAL</td> <td>1868'</td> <td>1075'</td> </tr> <tr> <td>T/HOLLENBERG</td> <td>2398'</td> <td>545'</td> </tr> <tr> <td>T/HERRINGTON</td> <td>2428'</td> <td>515'</td> </tr> <tr> <td>T/KRIDER</td> <td>2449'</td> <td>494'</td> </tr> <tr> <td>T/WINFIELD</td> <td>2487'</td> <td>456'</td> </tr> </tbody> </table>	Name	Top	Datum	T/PERMIAN	850'	2093'	T/BLAINE	1262'	1681'	B/STONE CORRAL	1868'	1075'	T/HOLLENBERG	2398'	545'	T/HERRINGTON	2428'	515'	T/KRIDER	2449'	494'	T/WINFIELD	2487'	456'
Name	Top	Datum																							
T/PERMIAN	850'	2093'																							
T/BLAINE	1262'	1681'																							
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T/HOLLENBERG	2398'	545'																							
T/HERRINGTON	2428'	515'																							
T/KRIDER	2449'	494'																							
T/WINFIELD	2487'	456'																							

CASING RECORD <input checked="" 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
Surface Pipe	12 1/4"	8 5/8"	24#	890' G.L.	Common-Varicem	370	2% CC-1/4# Flo-Cele
Production Pipe	7 7/8"	5 1/2"	15.5#	2586' G.L.	Common-Varicem	370	2% CC-1/4# Flo-Cele

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				

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**JAN 16 2009**

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)	WICHITA, KS Depth
4/Per Foot	2435' - 2443' KB	Acid: 3,600 Gallons of 15% Fe- MCA Acid and	
	2454' - 2464' KB KB=6'	100 BBL. 2% KCL	
	2496' - 2504' KB		
	2547' - 2557' KB (144 Holes)	Frac: 104,000# of 12/20 PREMIUM SAND	
		FOAM FRAC @ 35bpm/1# - 4# PER GALLON	

TUBING RECORD: Size: <u>2 3/8" EUE. 8 Rd.</u> Set At: <u>2571' G.L.</u> Packer At: <u>None</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <b>Pending Pipeline Connection</b>		Producing Method: <input checked="" 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
		NA	NA 0.7376

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" 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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>2435'-2443' KB 2496'-2504' KB</u> <u>2454'-2464' KB 2547'-2557' KB</u>
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1/21/09

Operator Name: Kansas Natural Gas Operating, Inc. Lease Name: Cannon Well #: 1-3  
Sec. 24 Twp. 24 S. R. 35  East  West County: Kearny

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	T/TOWANDA	2542'	401'
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	RTD	2594'	349'
List All E. Logs Run: <b>(Dual-Spaced Neutron)</b>		LTD	2580'	363'
		PBTD	2580'	363'

CASING RECORD <input checked="" 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				

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

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JAN 16 2009  
CONSERVATION DIVISION  
WICHITA, KS

TUBING RECORD:	Size:	Set At:	Packer At: None	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

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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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## DRILLING & GEOLOGICAL SUMMARY

Operator: Kansas Natural Gas Operating, Inc. License Number: 32787  
 Well Name & #: Cannon #1-3 A.P.I. #: 15 - 093 - 21836 - 0000  
 Location: 1250' F.S.L / 1720' F.E.L / NE/SW/SE Sec. 24 Twp. 24 S Rng. 35 W  
 Elevation@ Ground Level: 2937' Kelly Bushing: 2943' Ref. Datum: KB Depth: 2594' PBDT: 2580'  
 Drilling Spud Date: 12 - 11 - 2008 Drilling Completed Date: 12 - 14 - 2008  
 Contractor: Trinidad Drilling LP Rig # 211 License Number: 33784

Surface Casing Size: 8.625" Weight: 24 # Grade: J55 Depth Set @: 896'  
 Equip. & Cement: 'texas' pattern shoe, baffle plate, 3 centralizers, 1 cement basket  
170 sx of lead; 200 sx of tail w/ 2% CC - 1/4# Flo-Cele.  
 Circulated 114 sacks of cement to the surface. Surface Hole Deviation: 1 degrees.

Prod. Casing Size: 5.500" Weight: 15.5 # Grade: J55 Depth Set @: 2592'  
 Equip. & Cement: guide shoe w/integral latch-down baffle, 10 centralizers.  
220 sx of lead w/ 2% CC - 1/4# Flo-Cele; 150 sx w/ 1/4# Flo-Cele.  
 Circulated 126 sacks of cement to the surface. Total Depth Hole Deviation: 1 degrees.

Open Hole Logs: not run Cased Hole Logs: G/R - DSN - CCL

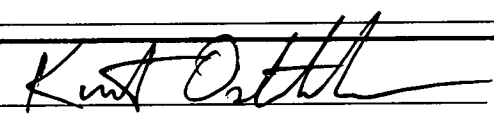
Horizon	Depth (KB)	Datum	Remarks
T/PERMIAN	850	2093	
T/BLAINE	1262	1681	
B/STONE CORRAL	1868	1075	
T/HOLLENBERG	2398	545	
T/HERINGTON	2428	515	perforated 2435'-2443'
T/KRIDER	2449	494	perforated 2454'-2464'
T/WINFIELD	2487	456	perforated 2496'-2504'
T/TOWANDA	2542	401	perforated 2547'-2557'
T/FORT RILEY			
T/COUNCIL GROVE			
RTD	2594	349	
LTD	2580	363	
PBDT	2580	363	
REFERENCE ELEVATION	2943		

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 CONSERVATION DIV.  
 WICHITA, KS

Perforations: 2435'-2443', 2454'-2464', 2496'-2504', 2547'-2557'; (all W/4 SPF)

Acid Treatment: 3600 gallons of 15% FE-MCA, max pressure was 1941#, avg pressure was 186#, max rate was 12.4 bpm, average rate was 7.6 bpm.

Frac. Treatment: 104,000# of 12/20 sand, 343 bbls of treated water, 464,412 scf nitrogen. avg treating pressure was 1029#, avg rate was 34.9 bpm.

Name: Kurt Osterbuhr Signed:  Date: 01 - 07 - 2009

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JAN 16 2009

**CEMENT SURFACE**  
**Cementing Job Summary**

CONSERVATION DIVISION  
WICHITA, KS

*The Road to Excellence Starts with Safety*

Sold To #: 303233	Ship To #: 2701968	Quote #:	Sales Order #: 6380008
Customer: KANSAS NATURAL GAS OPERATING INC		Customer Rep: Lehning, Steve	
Well Name: Cannon	Well #: 1-3	API/UWI #: 15-093-21836	
Field: HUGOTON	City (SAP): DEERFIELD	County/Parish: Kearny	State: Kansas
Legal Description: Section 24 Township 24S Range 35W			
Contractor: TRINIDAD DRILLING	Rig/Platform Name/Num: 211		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: HESTON, MYRON	Srvc Supervisor: GRAVES, JEREMY	MBU ID Emp #: 399155	

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GRAVES, JEREMY L	7	399155	PARUZINSKI, JOHN Harrison	7	441380	TORRES, CLEMENTE	7	344233

**Equipment**

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10219237	80 mile	10415642	80 mile	10897857	80 mile	77031	80 mile
D0565	80 mile						

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			Total is the sum of each column separately					

**Job**

**Job Times**

Formation Name	Date	Time	Time Zone	
Formation Depth (MD) Top	Bottom	Called Out	12 - Dec - 2008 04:00 CST	
Form Type	BHST	On Location	12 - Dec - 2008 08:00 CST	
Job depth MD	887. ft	Job Depth TVD	887. ft	
Water Depth	Wk Ht Above Floor	3. ft	Job Started	12 - Dec - 2008 13:00 CST
Perforation Depth (MD) From	To	Job Completed	12 - Dec - 2008 14:00 CST	
		Departed Loc	12 - Dec - 2008 15:00 CST	

**Well Data**

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Hole				12.25					900.		
Surface Casing	New		8.625	8.097	24.	8 RD (ST&C)	Unknown		900.		

**Sales/Rental/3<sup>rd</sup> Party (HES)**

Description	Qty	Qty uom	Depth	Supplier
VLVASSY, INSR FLOAT, 8-5/8 8RD, 24 lbs/ft	1	EA		
FILLUP ASSY - 1.500 ID - 7 IN. - 8-5/8	1	EA		
CENTRALIZER ASSY - API - 8-5/8 CSG X	3	EA		
BASKET-CMT-8-5/8 CSG-SLIP-ON-S	1	EA		
PLUG, CMTG, TOP, 8 5/8, HWE, 7.20 MIN/8.09 MA	1	EA		

**Tools and Accessories**

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe	8 5/8	1	HES	887	Packer					Top Plug	8 5/8	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float	8 5/8	1	HES	845						Plug Container	8 5/8	1	HES
Stage Tool										Centralizers	8 5/8	3	HES

**Miscellaneous Materials**

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

# Cementing Job Summary

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Pre-Flush			bbl	8.33	.0	.0	6.0	
2	Lead Cement	VARICEM (TM) CEMENT (452009)	170.0	sacks	11.4	2.95	18.09	6.0	18.09
	0.1 %	WG-17, 50 LB SK (100003623)							
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.5 lbm	POLY-E-FLAKE (101216940)							
	18.09 Gal	FRESH WATER							
3	Tail Cement	HALCEM (TM) SYSTEM (452986)	200.0	sacks	14.8	1.34	6.32	6.0	6.32
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	6.324 Gal	FRESH WATER							
4	Water Displacement			bbl	8.33	.0	.0	6.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	54	Shut In: Instant		Lost Returns	0	Cement Slurry	137	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	60	Actual Displacement	54	Treatment	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	191
<b>Rates</b>									
Circulating	6	Mixing	6	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature <i>Alan R. Hoffmann</i>					

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JAN 16 2009

CONSERVATION DIVISION  
WICHITA, KS

# Cementing Job Log

*The Road to Excellence Starts with Safety*

Sold To #: 303233		Ship To #: 2701968		Quote #:		Sales Order #: 6380008	
Customer: KANSAS NATURAL GAS OPERATING INC				Customer Rep: Lehning, Steve			
Well Name: Cannon			Well #: 1-3		API/UWI #: 15-093-21836		
Field: HUGOTON		City (SAP): DEERFIELD		County/Parish: Kearny		State: Kansas	
Legal Description: Section 24 Township 24S Range 35W							
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.				Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.			
Contractor: TRINIDAD DRILLING			Rig/Platform Name/Num: 211				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: HESTON, MYRON			Srcv Supervisor: GRAVES, JEREMY			MBU ID Emp #: 399155	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/12/2008 04:00							PRE TRIP TRUCKS
Pre-Convoy Safety Meeting	12/12/2008 05:00							JOURNEY MANAGEMENT AND SPOT AUDIT
Depart from Service Center or Other Site	12/12/2008 06:00							UPON ARRIVAL AT LOCATION CUSTOMER WAS STILL DRILLING
Arrive at Location from Service Center	12/12/2008 08:00							TALK WITH COMPANY MAN ABOUT JOB PROCEDURES AND CALCULATIONS
Assessment Of Location Safety Meeting	12/12/2008 08:10							SPOT TRUCKS
Running In Hole	12/12/2008 10:30							8 5/8 24# CASING
Rig-Up Equipment	12/12/2008 11:00							PUMPING LINES
Casing on Bottom	12/12/2008 12:30							RIG UP CEMENT HEAD AND CIRC FOR 20MIN
Pre-Job Safety Meeting	12/12/2008 12:50							GIVEN BY JOHN PARUZINSKI
Start Job	12/12/2008 13:05						13.0	
Test Lines	12/12/2008 13:06						2000.0	TEST LINES TO 2000PSI
Pump Lead Cement	12/12/2008 13:12		6	89			9.0	170SKS MIXED AT 11.4#
Pump Tail Cement	12/12/2008 13:27		6	48	137		181.0	200SKS MIXED AT 14.8# GOT CEMENT RETURNS 38BBL INTO DISPLACEMENT TOTAL OF 60BBL OR 114SKS

Sold To #: 303233

Ship To #: 2701968

Quote #:

Sales Order #:

6380008

SUMMIT Version: 7.20.130

Friday, December 12, 2008 02:07:00

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Plug	12/12/2008 13:35						15.0	HES TOP PLUG
Clean Lines	12/12/2008 13:36						64.0	CLAEN LINES TO PIT
Pump Displacement	12/12/2008 13:43		6	44			89.0	54 BBLs FRESH WATER
Slow Rate	12/12/2008 13:50		2	10	54		341.0	SLOW RATE TO 2 BBLs PER MIN LAST 10BBLs OF DISPLACEMENT
Bump Plug	12/12/2008 13:55						315.0	BUMP PLUG AT
Check Floats	12/12/2008 13:56							FLOATS HELD GOT BACK
End Job	12/12/2008 13:57							THANKS FOR CALLING HALLIBURTON
Pre-Rig Down Safety Meeting	12/12/2008 14:00							GIVEN BY JOHN PARUZINSKI
Rig-Down Equipment	12/12/2008 14:15							PUMPING LINES
Depart Location for Service Center or Other Site	12/12/2008 15:00							JOURNEY MANAGEMENT

*614 SACKS  
CIRCULATED CEMENT*

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**JAN 16 2009**

CONSERVATION DIVISION  
WICHITA, KS

Sold To #: 303233

Ship To #: 2701968

Quote #:

Sales Order #:

6380008

SUMMIT Version: 7.20.130

Friday, December 12, 2008 02:07:00



# HALLIBURTON

JAN 16 2009

## Cementing Job Summary

CONSERVATION DIVISION  
The Road to Excellence Starts With Safety

CEMENT LONG STRING PIPE

Sold To #: 303233	Ship To #: 2701968	Quote #:	Sales Order #: 6381810
Customer: KANSAS NATURAL GAS OPERATING INC		Customer Rep: UNRUH, GARY	
Well Name: Cannon	Well #: 1-3	API/UWI #: 15-093-21836	
Field: HUGOTON	City (SAP): DEERFIELD	County/Parish: Kearny	State: Kansas
Legal Description: Section 24 Township 24S Range 35W			
Contractor: TRINIDAD DRILLING		Rig/Platform Name/Num: 211	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: HESTON, MYRON		Srvc Supervisor: GRAVES, JEREMY MBU ID Emp #: 399155	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GRAVES, JEREMY L	5	399155	PARUZINSKI, JOHN Harrison	5	441380	RODRIGUEZ, EDGAR A	5	442125
TORRES, CLEMENTE	5	344233						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10219237	80 mile	10415642	80 mile	10897857	80 mile	6612	80 mile
77031	80 mile	D0601	80 mile				

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL Total is the sum of each column separately

### Job

### Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top	Bottom	Called Out	13 - Dec - 2008 20:00 CST
Form Type	BHST	On Location	14 - Dec - 2008 00:00 CST
Job depth MD	2583. ft	Job Started	14 - Dec - 2008 03:00 CST
Water Depth		Job Completed	14 - Dec - 2008 04:00 CST
Perforation Depth (MD) From	To	Departed Loc	14 - Dec - 2008 05:00 CST

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Production Hole				7.875				900.	2700.		
Production Casing	New		5.5	5.012	15.5	8 RD (LT&C)	J-55		2700.		
Surface Casing	New		8.625	8.097	24.	8 RD (ST&C)	Unknown		900.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE, GID, 5-1/2 8RD	1	EA		
PLUG ASSY, 3 WIPR LTH-DWN, 5 1/2 CSG	1	EA		
BAFFLE ASSY - 5-1/2 8RD - LATCH-DOWN	1	EA		
CENTRALIZER ASSY - TURBO - API -	10	EA		
KIT, HALL WELD-A	1	EA		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe	5 1/2	1	HES	2583	Packer					Top Plug	5 1/2	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float	5 1/2	1	HES	2583						Plug Container	5 1/2	1	HES
Stage Tool										Centralizers	5 1/2	10	HES

Miscellaneous Materials													
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	
Fluid Data													
Stage/Plug #: 1													
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		
1	Water Pre-Flush					bbl	8.33	.0	.0	6.0			
2	MUD FLUSH II	MUD FLUSH II - SBM (508007)			10.00	bbl	8.4	.0	.0	6.0			
3	Lead Cement	VARICEM (TM) CEMENT (452009)			220.0	sacks	11.4	2.89	17.8	6.0	17.8		
	0.25 lbm	POLY-E-FLAKE (101216940)											
	0.1 %	WG-17, 50 LB SK (100003623)											
	17.804 Gal	FRESH WATER											
4	Tail Cement	HALCEM (TM) SYSTEM (452986)			150.0	sacks	14.8	1.33	6.25	6.0	6.25		
	0.5 %	HALAD(R)-322, 50 LB (100003646)											
	0.25 lbm	POLY-E-FLAKE (101216940)											
	6.245 Gal	FRESH WATER											
5	Displacement				62.00	bbl	8.33	.0	.0	6.0			
Calculated Values			Pressures			Volumes							
Displacement	62	Shut In: Instant			Lost Returns	0	Cement Slurry	149	Pad				
Top Of Cement		5 Min			Cement Returns	65	Actual Displacement	62	Treatment				
Frac Gradient		15 Min			Spacers	10	Load and Breakdown		Total Job	221			
Rates													
Circulating	6	Mixing			6	Displacement	6	Avg. Job	6				
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint									
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID						
The Information Stated Herein Is Correct				Customer Representative Signature <i>Steve Schwing (CANNON #1-3) Long-String Cement</i>									

CIRCULATED 126 SACKS TO AIR

RECEIVED  
KANSAS CORPORATION COMMISSION

JAN 16 2009

CONSERVATION DIVISION  
WICHITA, KS

# HALLIBURTON

## Cementing Job Log

Cement Production Pipe

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Legal Description: Section 24 Township 24S Range 35W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: TRINIDAD DRILLING	Rig/Platform Name/Num: 211		
Job Purpose: Cement Production Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: HESTON, MYRON	Srvc Supervisor: GRAVES, JEREMY	MBU ID Emp #: 399155	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/13/2008 20:00							PRE TRIP TRUCKS
Pre-Convoy Safety Meeting	12/13/2008 21:00							JOURNEY MANAGEMENT AND SPOT AUDIT
Arrive at Location from Service Center	12/14/2008 00:00							TALK WITH COMPANY MAN ABOUT JOB PROCEDURES MAND CALCULATIONS RUNNING CASING IN HOLE UPON ARRIVAL
Assessment Of Location Safety Meeting	12/14/2008 00:10							SPOT TRUCKS
Rig-Up Equipment	12/14/2008 00:15							PUMPING LINES
Casing on Bottom	12/14/2008 02:30							RIG UP CEMENT HEAD AND CIRC FOR 20 MIN
Pre-Job Safety Meeting	12/14/2008 02:45							GIVEN BY JOHN PARUZINSKI
Start Job	12/14/2008 02:54						2.0	
Test Lines	12/14/2008 02:55						4.0	TEST LINES TO 2000PSI
Pump Spacer 1	12/14/2008 02:59		6	10	10		1.0	10BBLs MUD FLUSH
Pump Lead Cement	12/14/2008 03:01		6	113			213.0	220SKS MIXED AT 11.4#
Pump Tail Cement	12/14/2008 03:17		6	36	149		215.0	150SKS MIXED 14.8#
Drop Plug	12/14/2008 03:22						21.0	HES TOP PLUG
Clean Lines	12/14/2008 03:24						11.0	CLEAN LINES TO PIT

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KANSAS CORPORATION  
JAN 16 2009  
CONSERVATION DIV.  
WICHITA, KS

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Ship To #: 2701968

Quote #:

Sales Order #:

6381810

SUMMIT Version: 7.20.130

Sunday, December 14, 2008 03:57:00

# HALLIBURTON

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	12/14/2008 03:28		6	52			1.0	62 BBLS FRESH WATER
Slow Rate	12/14/2008 03:36		2	10	62		663.0	SLOW RATE LAST 10BBLS TO 2BBLS PER MIN GOT 65BBLS OF CEMENT BACK TO PIT OR 126SKS
Bump Plug	12/14/2008 03:41						720.0	BUMP PLUG AT 720PSI TOOK 500PSI OVER
Check Floats	12/14/2008 03:42							FLOATS HELD GOT BACK 1/2BBL
End Job	12/14/2008 03:43							THANKS FOR CALLING HALLIBURTON
Pre-Rig Down Safety Meeting	12/14/2008 03:50							GIVEN BY JOHN PARUZINSKI
Rig-Down Equipment	12/14/2008 04:00							PUMPING LINES
Depart Location for Service Center or Other Site	12/14/2008 05:00							JOURNEY MANAGEMENT

(Circulated Cannon #1-3  
126 Sacks To pit)  
Long String Cement

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KANSAS CORPORATION COMPANY

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