

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

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 32787  
 Name: Kansas Natural Gas Operating, Inc.  
 Address: P. O. Box 815  
 City/State/Zip: Sublette, KS 67877  
 Purchaser: Oneok Pipeline  
 Operator Contact Person: Steve Lehning  
 Phone: (620) 675-8185  
 Contractor: Name: Trinidad Drilling, LP.  
 License: 33784  
 Wellsite Geologist: Ron Ostebuhr  
 Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SIOW     Temp. Abd.  
 Gas     ENHR     SIGW  
 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./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Docket No. \_\_\_\_\_  
 Dual Completion    Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_  

<u>12-12-2007</u>	<u>12-14-2007</u>	<u>12-29-2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 093-21809-0000  
 County: Kearny  
NE SW NE 1/4 Sec. 05 Twp. 25 S. R. 35  East  West  
1322' feet from S / (N) (circle one) Line of Section  
1809' feet from (E) / W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) (NE) SE NW SW  
 Lease Name: Frost Well #: 3CG-5  
 Field Name: Panoma - Council Grove  
 Producing Formation: Council Grove  
 Elevation: Ground: 2969.7' Kelly Bushing: 2981' KB  
 Total Depth: 2962' KB Plug Back Total Depth: 2938' KB  
 Amount of Surface Pipe Set and Cemented at 899' 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**  
 (Data must be collected from the Reserve Pit) Alt. I SB  
3-25-08  
 Chloride content NA ppm Fluid volume 115 bbls  
 Dewatering method used Evaporate Till Dry - Backfill  
 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: Steven M. Lehning  
 Title: Supr. Date: 1-14-08  
 Subscribed and sworn to before me this 14<sup>th</sup> day of January  
 20 08  
 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

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**JAN 17 2008**  
 CONSERVATION DIVISION  
 WICHITA, KS

*Copy to Jim*

Operator Name: Kansas Natural Gas Operating, Inc. Lease Name: Frost Well #: 3CG-5  
 Sec. 05 Twp. 25 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 Gamma Ray Neutron)</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" 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>T-Permian</td> <td>822'</td> <td>2160'</td> </tr> <tr> <td>T-Blaine</td> <td>1250'</td> <td>1732'</td> </tr> <tr> <td>B-Stone Corral</td> <td>1847'</td> <td>1135'</td> </tr> <tr> <td>T-Hollenberg</td> <td>2372'</td> <td>610'</td> </tr> <tr> <td>T-Herrington</td> <td>2404'</td> <td>578'</td> </tr> <tr> <td>T-Krider</td> <td>2423'</td> <td>559'</td> </tr> <tr> <td>T-Winfield</td> <td>2460'</td> <td>522'</td> </tr> </table>	Name	Top	Datum	T-Permian	822'	2160'	T-Blaine	1250'	1732'	B-Stone Corral	1847'	1135'	T-Hollenberg	2372'	610'	T-Herrington	2404'	578'	T-Krider	2423'	559'	T-Winfield	2460'	522'
Name	Top	Datum																							
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T-Winfield	2460'	522'																							

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used <span style="float: right;">(CONTINUED)</span>							
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 #	899' G.L.	Premium Plus "C"	380	3 % Cal. Chloride
Production Pipe	7 7/8"	5 1/2"	15.5 #	2949' G.L.	Mid-Con 2 Premium	420	3 % Cal. Chloride

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
(3) Shot/P Foot	2688' - 2698' KB	2736' - 2739' KB	Acid: 3,000 Gallons of 15% FE-MUD	
	2700' - 2704' KB	2742' - 2751' KB	and 100 Barrels of 2% KCL. Flush	
	2710' - 2713' KB			
	2715' - 2718' KB	(115 Holes)	Frac: Delta Foam Frac W / 100,000 of	
	2724' - 2730' KB	KB = 12'	Premium 12/20 Sand @ 80 BPM Rate	

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TUBING RECORD		Size 2 3/8" EUE. 8 Rd	Set At 2766' G.L.	Packer At None	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. Pending Pipeline Connection			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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		NA	NA		

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval 2688' - 2751' KB

Operator Name: Kansas Natural Gas Operating, Inc. Lease Name: Frost Well #: 3CG-5  
 Sec. 05 Twp. 25 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 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 <i>(Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>T-Towanda</td> <td>2519'</td> <td>463'</td> </tr> <tr> <td>T-Ft. Riley</td> <td>2578'</td> <td>404'</td> </tr> <tr> <td>T-Council Grove</td> <td>2683'</td> <td>299'</td> </tr> <tr> <td>RTD:</td> <td>2962'</td> <td>20'</td> </tr> <tr> <td>PBTD:</td> <td>2938'</td> <td>44'</td> </tr> <tr> <td>LTD:</td> <td>2938'</td> <td>44'</td> </tr> </tbody> </table>	Name	Top	Datum	T-Towanda	2519'	463'	T-Ft. Riley	2578'	404'	T-Council Grove	2683'	299'	RTD:	2962'	20'	PBTD:	2938'	44'	LTD:	2938'	44'
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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				

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

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TUBING RECORD		Size	Set At	Packer At	Liner Run		
						<input type="checkbox"/> Yes	<input type="checkbox"/> No
Date of First, Resumerd 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	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

## DRILLING & GEOLOGICAL SUMMARY

Operator: Kansas Natural Gas Gathering, Inc. License Number: 32787  
 Well Name & #: Frost #3 CG-5 A.P.I. #: 15 - 093 - 21809 - 0000  
 Location: 1322' FNL / 1809' FEL / NE/SW/NE Sec. 05 Twp. 25 S Rng. 35 W  
 Elevation@ Ground Level: 2970' Kelly Bushing: 2982' Ref. Datum: KB Depth: 2962' PBDT: 2938'  
 Drilling Spud Date: 12 - 12 - 2007 Drilling Completed Date: 12 - 14 - 2007  
 Contractor: Trinidad Drilling LP Rig # 216 License Number: 33784

Surface Casing Size: 8.625" Weight: 24 # Grade: J-55 Depth Set @: 911'  
 Equip. & Cement: 'texas' pattern shoe, baffle plate, 3 centralizers, basket on #20 of 21.  
230 sx of lead; 150 sx of tail w/ 3% CC - 1/4# Flo-Cele.  
 Circulated 21 sacks of cement to the surface. Surface Hole Deviation: 1 1/4 degrees.

Prod. Casing Size: 5.500" Weight: 15.5 # Grade: J-55 Depth Set @: 2961'  
 Equip. & Cement: guide shoe, 13' shoe jt w/ latch-down baffle, 10 centralizers.  
270 sx of lead w/ 3% CC - 1/4# Poly-E-Flake; 150 sx w/ 1/4# Poly-E-Flake.  
 Circulated 95 sacks of cement to the surface. Total Depth Hole Deviation: 1/4 degrees.

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

Horizon	Depth (KB)	Datum	Remarks
T/PERMIAN	822	2160	
T/BLAINE	1250	1732	
B/STONE CORRAL	1847	1135	
T/HOLLENBERG	2372	610	
T/HERINGTON	2404	578	
T/KRIDER	2423	559	
T/WINFIELD	2460	522	
T/TOWANDA	2519	463	
T/FORT RILEY	2578	404	
T/COUNCIL GROVE	2683	299	all perforations in C.G.
RTD	2962	20	
LTD	2938	44	
PBDT	2938	44	
REFERENCE ELEVATION	2982		

Perforations: 2688'-2698', 2700'-2704', 2710'-2713', 2715'-2718', 2724'-2730', 2736'-2739', 2742'-2751' all w/3 SPF

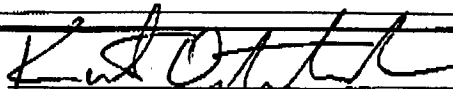
Acid Treatment: 2952 gallons of 15% FE-MCA, max pressure was 1891#, max rate was 11.5 BPM,  
good ball action.

Frac. Treatment: \_\_\_\_\_

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WICHITA, KS

Name: Kurt Osterbuhr Signed:  Date: 01 - 05 - 2008

HALLIBURTON

CEMENT SURFACE Pipe  
**Cementing Job Summary**

The Road to Excellence Starts with Safety

Sold To #: 303233		Ship To #: 2618503		Quote #:		Sales Order #: 5554462	
Customer: KANSAS NATURAL GAS OPERATING INC				Customer Rep: Lehning, Steve			
Well Name: Frost			Well #: #3-CG-5		API/UWI #: 15-093-21809		
Field: PANOMA		City (SAP): LAKIN		County/Parish: Kearny		State: Kansas	
COUNCIL GROVE							
Legal Description: Section 5 Township 25S Range 35W							
Contractor: TRINIDAD DRILLING				Rig/Platform Name/Num: 216			
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: HESTON, MYRON			Srvc Supervisor: SMITH, BOBBY		MBU ID Emp #: 106036		

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GRAVES, JEREMY L	6.0	399155	OLDS, ROYCE E	6.0	306196	SMITH, BOBBY Wayne	6.0	106036
Treadwell, Gary	6.0	tws						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

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	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
			On Location	13 - Dec - 2007	05:00	CST
Form Type		BHST	Job Started	13 - Dec - 2007	08:30	CST
Job depth MD	900. ft	Job Depth TVD	Job Started	13 - Dec - 2007	11:38	CST
		900. ft	Job Completed	13 - Dec - 2007	12:29	CST
Water Depth		Wk Ht Above Floor	Job Completed	13 - Dec - 2007	12:29	CST
		2. ft	Departed Loc	13 - Dec - 2007	14:30	CST
Perforation Depth (MD) From		To				

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)

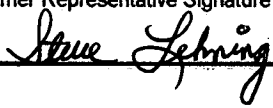
Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 8 5/8, HWE, 7.20 MIN/8.09 MA	1	EA		KANSAS CORPORATION COMMISSION <b>JAN 17 2008</b> CONSERVATION DIVISION WICHITA, KS
SHOE, CSG, TIGER TOOTH, 8 5/8 IN 8RD	1	EA		
VLVASSY, INSR FLOAT, 8-5/8 8RD, 24 lbs/ft	1	EA		
FILLUP ASSY - 1.500 ID - 7 IN. - 8-5/8	1	EA		
CENTRALIZER ASSY - API - 8-5/8 CSG X	3	EA		
BASKET-CMT-8-5/8 CSG-SLIP-ON-S	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fid	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		0.00	bbl	8.33	.0	.0	6.0	
2	Lead Cement	MIDCON-2 CEMENT PREMIUM PLUS - SBM (15079)	230.0	sacks	11.4	2.95	18.09	6.0	18.09
	0.1 %	WG-17, 50 LB SK (100003623)							
	3 %	CALCIUM CHLORIDE - HI TEST PELLETT (100005053)							
	0.5 lbm	POLY-E-FLAKE (101216940)							
	18.09 Gal	FRESH WATER							
3	Tail Cement	CMT - PREMIUM PLUS CEMENT (100012205)	150.0	sacks	14.8	1.34	6.32	6.0	6.32
	94 lbm	CMT - PREMIUM PLUS - CLASS C REG OR TYPE III, BULK (100012205)							
	2 %	CALCIUM CHLORIDE - HI TEST PELLETT (100005053)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	6.324 Gal	FRESH WATER							
4	Water Displacement		54.644	bbl	8.33	.0	.0	6.0	
Calculated Values		Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
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					
				 (SURFACE CEMENT)					

CIRCULATED 21 SACKS CEMENT TO PIT

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CONSERVATION DIVISION  
WICHITA, KS

*The Road to Excellence Starts with Safety*

Sold To #: 303233		Ship To #: 2618503		Quote #:		Sales Order #: 5554462	
Customer: KANSAS NATURAL GAS OPERATING INC				Customer Rep: Lehning, Steve			
Well Name: Frost			Well #: #3-CG-5		API/UWI #: 15-093-21809		
Field: PANOMA COUNCIL GROVE		City (SAP): LAKIN		County/Parish: Kearny		State: Kansas	
Legal Description: Section 5 Township 25S 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: 216				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: HESTON, MYRON			Srvc Supervisor: SMITH, BOBBY			MBU ID Emp #: 106036	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/13/2007 05:00							
Safety Meeting - Service Center or other Site	12/13/2007 06:30							
Arrive at Location from Other Job or Site	12/13/2007 08:30							
Assessment Of Location Safety Meeting	12/13/2007 08:30							Rig getting ready to run casing.
Safety Meeting - Pre Rig-Up	12/13/2007 08:35							pump truck
Other	12/13/2007 09:00							bulk trucks on location
Safety Meeting - Pre Rig-Up	12/13/2007 09:05							bulk trucks
Other	12/13/2007 09:20							Casing going in the hole. Float equipment started.
Other	12/13/2007 11:00							Casing on bottom. Rig down casing crew.
Safety Meeting	12/13/2007 11:20							location
Start Job	12/13/2007 11:38							
Test Lines	12/13/2007 11:40						3200.0	kick outs 2000
Pump Spacer 1	12/13/2007 11:41		5	10			50.0	water
Pump Lead Cement	12/13/2007 11:44		6	120.84			100.0	230 sk @ 11.4 #
Pump Tail Cement	12/13/2007 12:01		6	35.79			75.0	150 sk @ 14.8 #
Drop Plug	12/13/2007 12:09							
Pump Displacement	12/13/2007 12:14		6	54.27	0		75.0	water

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## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	12/13/2007 12:21		2		44	350.0	300.0	Slow down rate.
Bump Plug	12/13/2007 12:26		2		54.27	300.0	900.0	
Check Floats	12/13/2007 12:28							float held
End Job	12/13/2007 12:29							5 BBLS OF CEMENT TO SURFACE. 5 BBLS = 21 SK OF CEMENT.
Safety Meeting - Pre Rig-Down	12/13/2007 12:35							
Safety Meeting - Departing Location	12/13/2007 14:30							
Depart Location for Service Center or Other Site	12/13/2007 14:30							Thank you for calling Halliburton. Bob Smith and crew.

CIRCULATED 21 SACKS CEMENT TO AT

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KANSAS CORPORATION COMMISSION  
JAN 17 2008  
CONSERVATION DIVISION  
WICHITA, KS

Sold To # : 303233

Ship To # : 2618503

Quote # :

Sales Order # : 5554462

SUMMIT Version: 7.20.130

Thursday, December 13, 2007 12:45:00



Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 303233	Ship To #: 2618503	Quote #:	Sales Order #: 5555539
Customer: KANSAS NATURAL GAS OPERATING INC		Customer Rep: Lehning, Steve	
Well Name: Frost	Well #: #3-CG-5	API/UWI #: 15-093-21809	
Field: PANOMA COUNCIL GROVE	City (SAP): LAKIN	County/Parish: Kearny	State: Kansas
Legal Description: Section 5 Township 25S Range 35W			
Contractor: TRINIDAD DRILLING		Rig/Platform Name/Num: 216 216	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: HESTON, MYRON		Srvc Supervisor: OLIPHANT, CHESTER	MBU ID Emp #: 243055

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARCHULETA, MIGUEL A	6.5	226381	CHAVEZ, ERIK Adrain	6.5	324693	HUTCHESON, RICKY G	6.5	428969
OLIPHANT, CHESTER C	6.5	243055						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10286731	80 mile	10704310	80 mile	10744298C	80 mile	10897857	80 mile
10897879	80 mile	10988832	80 mile	6612	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	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	14 - Dec - 2007	12:30	CST
Form Type	BHST		On Location	14 - Dec - 2007	17:30	CST
Job depth MD	2966. ft	Job Depth TVD	Job Started	14 - Dec - 2007	22:15	CST
Water Depth		Wk Ht Above Floor	Job Completed	14 - Dec - 2007	23:20	CST
Perforation Depth (MD)	From	To	Departed Loc	15 - Dec - 2007	00:00	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 Casing	New		8.625	8.097	24.	8 RD (ST&C)	Unknown	.	900.		
Production Hole				7.875				900.	2940.		
Production Casing	New		5.5	5.012	15.5	8 RD (LT&C)	J-55	.	2940.		

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		

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Tools and Accessories														
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	
Guide Shoe					Packer					Top Plug				
Float Shoe					Bridge Plug					Bottom Plug				
Float Collar					Retainer					SSR plug set				
Insert Float										Plug Container				
Stage Tool										Centralizers				
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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk			
1	Water Pre-Flush				0.00	bbl	8.33	.0	.0	6.0				
2	Mud Flush	MUD FLUSH - ZI - SBM (13383)			10.00	bbl	8.4	.0	.0	6.0				
3	Lead Cement	MIDCON-2 CEMENT PREMIUM PLUS - SBM (15079)			270.0	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	CMT - PREMIUM PLUS CEMENT (100012205)			150.0	sacks	14.8	1.33	6.25	6.0	6.25			
	94 lbm	CMT - PREMIUM PLUS - CLASS C REG OR TYPE III, BULK (100012205)												
	0.5 %	HALAD(R)-322, 50 LB (100003646)												
	0.25 lbm	POLY-E-FLAKE (101216940)												
	6.245 Gal	FRESH WATER												
5	2 % KCL Water Displacement				20.00	bbl	8.33	.0	.0	6.0				
	7 lbm/bbl	POTASSIUM CHLORIDE 2% (100001585)												
6	Fresh Water Displacement				0.00	bbl	8.33	.0	.0	6.0				
Calculated Values				Pressures				Volumes						
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad						
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment						
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job						
Rates														
Circulating		Mixing		Displacement		Avg. Job								
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										

CIRCULATED (95) SACKS TO PIT

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JAN 17 2008

CONSERVATION DIVISION  
WICHITA, KS

# HALLIBURTON

## Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 303233		Ship To #: 2618503		Quote #:		Sales Order #: 555539	
Customer: KANSAS NATURAL GAS OPERATING INC				Customer Rep: Lehning, Steve			
Well Name: Frost			Well #: #3-CG-5		API/UWI #: 15-093-21809		
Field: PANOMA COUNCIL GROVE		City (SAP): LAKIN		County/Parish: Kearny		State: Kansas	
Legal Description: Section 5 Township 25S 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: 216 216				
Job Purpose: Cement Production Casing						Ticket Amount:	
Well Type: Development Well				Job Type: Cement Production Casing			
Sales Person: HESTON, MYRON			Srcv Supervisor: OLIPHANT, CHESTER			MBU ID Emp #: 243055	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/14/2007 12:30							
Safety Meeting	12/14/2007 14:30							WINTER WEATHER DRIVE SLOWLY
Arrive at Location from Service Center	12/14/2007 17:30							
Assessment Of Location Safety Meeting	12/14/2007 17:35							
Safety Meeting - Pre Rig-Up	12/14/2007 17:45							
Rig-Up Equipment	12/14/2007 17:50							
Wait on Customer or Customer Sub-Contractor Equip	12/14/2007 18:00							RIG RUN 5 1/2 CASING AND FLOAT EQUIPMENT
Wait on Customer or Customer Sub-Contractor Equipm	12/14/2007 21:45							CASING ON BOTTOM @ 2953 FT / RIG UP LINES TO MUD / CIRCULATE HOLE
Safety Meeting - Pre Job	12/14/2007 22:00							SWITCH LINES TO HALLIBURTON
Start Job	12/14/2007 22:14							
Test Lines	12/14/2007 22:15						3000. 0	
Pump Spacer 1	12/14/2007 22:16		6	10	0		280.0	FRESH WATER SPACER
Pump Spacer 2	12/14/2007 22:18		6	10	10		320.0	MUD FLUSH
Pump Lead Cement	12/14/2007 22:21		6	139	20		355.0	270 SK @ 11.4 PPG
Pump Tail Cement	12/14/2007 22:42		6	35	159		165.0	150 SK @ 14.8 PPG

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Sold To #: 303233

Ship To #: 2618503

Quote #:

Sales Order #:

555539

SUMMIT Version: 7.20.130

Friday, December 14, 2007 11:21:00

# HALLIBURTON

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	12/14/2007 22:48				194		80.0	FINISHED MIXING CEMENT
Clean Lines	12/14/2007 22:50							
Drop Top Plug	12/14/2007 22:55							HWE LATCH DOWN
Pump Displacement	12/14/2007 23:03		6	70	0		35.0	20 BBL KCL WATER / 50 BBL FRESH WATER
Displ Reached Cmmt	12/14/2007 23:06		6		20		135.0	CAUGHT CEMENT
Stage Cement	12/14/2007 23:13		2		60	750.0	600.0	SLOW RATE TO LAND PLUG
Bump Plug	12/14/2007 23:16		2		70		880.0	
Pressure Up	12/14/2007 23:17						1700.0	TEST FLOAT
Release Casing Pressure	12/14/2007 23:18				70		.0	FLOAT HOLDING / CIRCULATED 95 SK CEMENT TO PIT
Safety Meeting - Pre Rig-Down	12/14/2007 23:25							
Rig-Down Equipment	12/14/2007 23:30							THANK YOU FOR CALLING HALLIBURTON
Rig-Down Completed	12/14/2007 23:55							WE APPRECIATE YOUR BUSINESS
End Job	12/15/2007 00:00							CHESTER AND CREW

CIRCULATED 95 SACKS TO PIT

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Friday, December 14, 2007 11:21:00