KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32787	API No. 15
Name: Kansas Natural Gas Operating, Inc.	County: Kearny
Address: P. O. Box 815	NE -SW - NE - 1/4 Sec. 05 Twp. 25 S. R. 35 ☐ East ☑ West
City/State/Zip: Sublette, KS 67877	1322' feet from S / (N) (circle one) Line of Section
Purchaser: Oneok Pipeline	1809' feet from E/ W (circle one) Line of Section
Operator Contact Person: Steve Lehning	Footages Calculated from Nearest Outside Section Corner:
Phone: (<u>620</u>) <u>675-8185</u>	(circle one) NE SE NW SW
Contractor: Name: Trinidad Drilling, LP.	Lease Name: Frost Well #: 3CG-5
License: 33784	Field Name: Panoma - Council Grove
Wellsite Geologist: Ron Ostebuhr	Producing Formation: Council Grove
Designate Type of Completion:	Elevation: Ground: 2969.7' Kelly Bushing: 2981' KB
✓ New Well Re-Entry Workover	Total Depth: 2962' KB Plug Back Total Depth: 2938' KB
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 899' G.L. Feet
✓ GasENHRSIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator:	feet depth tow/sx cmt.
Well Name:	
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan
Deepening Re-perf Conv. to Enhr./SWD	(Data must be collected from the Reserve Pit) 3-25-08 Chloride content NA ppm Fluid volume 115 bbls
Plug Back Plug Back Total Depth	
Commingled Docket No.	Dewatering method used Evaporate Till Dry - Backfill
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
	Lease Name: License No.:
12-12-2007 12-14-2007 12-29-2007 Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R 🔲 East 🗌 West
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workove information of side two of this form will be held confidential for a period of 1	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, er or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3-and geologist well report shall be attached with this form. ALL CEMENTING Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regula herein are complete and correct to the best of my knowledge.	ite the oil and gas industry have been fully complied with and the statements
Signature: Steven M. Jehning	KCC Office Use ONLY
Title: Date: 1- 14-08	Letter of Confidentiality Received
Subscribed and sworn to before me this 14th day of January	If Denied, Yes Date:
20 08.	Wireline Log Received KANSAS CORPORATION COMMISSION
U ' 7 L	Geologist Report Received
Notary Public: Ray Stoss	UIC Distribution JAN 1 7 2008
Date Commission Expires: KRAIG L. GROSS	7 MANG LA TIM
NOTARY PUBLIC STATE OF KANSAS My Appl. Exp. 5-0-10	CONSERVATION DIVISION WICHITA, KS

Side Two

₹

Operator Name: <u>Kan</u>	sas Natural Gas Op	perating, Inc.		Lease	Name:	-rost		. Well #: -3CC	<i>3</i> -5	
Sec Twp2			✓ West		/: Kearn					
NSTRUCTIONS: SI ested, time tool ope emperature, fluid red Electric Wireline Log	n and closed, flowing covery, and flow rate	g and shut-in s if gas to su	pressures, rface test, a	whether sl long with f	hut-in pre	ssure reached	static level, hydro	static pressui	res, botto	m hole
Drill Stem Tests Take		☐ Yes	√ No			og Format	ion (Top), Depth a	nd Datum	V	Sample
Samples Sent to Ge	ological Survey	✓ Yes	□No		Nam	е		Тор		Datum
Cores Taken		Yes	✓ No		T-Per	rmian		822'	:	2160'
Electric Log Run		✓ Yes	☐ No		T-Bla	ine		1250'		1732'
(Submit Copy)					B-Sto	one Corral		1847'		1135'
List All E. Logs Run:					T-Ho	llenberg		2372'	6	310'
(Dual - Space	d Gamma Ra	y Neutror	ר)		T-He	rrington		2404'	5	578'
		•	,		T-Kri	der		2423'	5	559'
					T-Wi	nfield		2460'	5	522'
		Report a		RECORD	✓ Ne	w Used ermediate, produc		INUED)		
Purpose of String	Size Hole	Size C	asing	Wei	ght	Setting	Type of	# Sacks		and Percent
•	Drilled	Set (In	O.D.)	Lbs.	/ Ft.	Depth	Cement	Used		Additives
Surface Pipe	12 1/4"	8 5/8"		24 #		899' G.L.	Premium Plus "C"	380	3 % C	al. Chloride
					· · · · · · · · · · · · · · · · · · ·					
Production Pipe	7 7/8"	5 1/2"		15.5#		2949' G.L.	Mid-Con 2 Premium	420	3 % C	al. Chloride
		A	DDITIONAL	CEMENTI	NG / SQL	JEEZE RECOR	D		***************************************	
Purpose: —— Perforate —— Protect Casing —— Plug Back TD —— Plug Off Zone	Depth Top Bottom	Type of	Cement	#Sacks	Used		Type and Po	ercent Additive	s	
Shots Per Foot		ON RECORD			 		acture, Shot, Cement		ord	D#
(3) Shot/P Foot	2688' - 2698' KB		36' - 2739' I		PAR 1481-2		Mount and Kind of Ma			Depth
(-)	2700' - 2704' KB		42' - 2751' I				els of 2% KCL. Flu			CEIVED
	2710' - 2713' KB					and roo buil	010 01 2 70 1102. 1 11	KANS.	AS CORP	PRATION COMMIS
	2715' - 2718' KB	/11	5 Holes)			Frac: Dolta E	oam Frac W / 100	000 of	JAN	1 7 2008
1.5°		· · · · · · · · · · · · · · · · · · ·	······································					,		VATION DIVISION
TUBING RECORD	2724' - 2730' KB Size	Set At	= 12'	Packer A		Liner Run	20 Sand @ 80 BP	M Rate	WI	CHITA, KS
	3/8" EUE. 8 Rd	2766' G.L.	1	None			Yes 🗹 No			
Date of First, Resumer Pending Pipeline		Enhr. P	roducing Met	_	Flowing	g 🕢 Pump	ing Gas Lift	Oth	ner (Explain	,
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er E	Bbls. G	as-Oil Ratio		Gravity
Disposition of Gas	METHOD OF (13/7	Production Inte	rval			
Vented Sold	✓ Used on Lease		Open Hole	✓ Perf.		Dualty Comp.	_	688' - 2751'	КВ	
(It vented, Su	ibmit ACO-18.)		Other (Speci	fy)						

Side Two

Operator Name: Kansa	as Natural Gas Ope	rating, Inc.	Lease	Name: Fro	st		Well #: 3CG	-5	
Sec. 05 Twp. 25	S. R. <u>35</u>	☐ East	County	: Kearny		·			
ested, time tool open a emperature, fluid reco	and closed, flowing very, and flow rates	d base of formations pe and shut-in pressures, if gas to surface test, a al geological well site r	whether sh long with fi	ut-in press	ure reached st	atic level, hydro	static pressure	es, botton	n hole
Orill Stem Tests Taken (Attach Additional St		☐ Yes ☐ No		Log	Formation	(Top), Depth a	ind Datum	√ S	ample
Samples Sent to Geolo	,	Yes No		Name			Тор	D	atum
Cores Taken		Yes No		T-Towa	nda		2519'	4	63'
Electric Log Run (Submit Copy)		Yes No	•	T-Ft. Ri	ley		2578'	4	04'
				T-Coun	cil Grove		2683'	29	99'
List All E. Logs Run:				RTD:			2962'	20)'
				PBTD:			2938'	44	1'
				LTD:			2938'	44	1'
		CASING Report all strings set-c	RECORD	New	Used	n, etc.			
Purpose of String	Size Hole Drilled	Size Casing	Weig	ght	Setting	Type of	# Sacks		nd Percent
	Dritted	Set (In O.D.)	Lbs./	FI.	Depth	Cement	Used	Ac	ditives
		manufacture the second second							
		ADDITIONAL	CEMENTIN	IG / SQUE	EZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks	Used		Type and P	ercent Additives		
Perforate Protect Casing									
Plug Back TD Plug Off Zone									
			<u> </u>						
Shots Per Foot	PERFORATIO	N RECORD - Bridge Plug	s Set/Type		Acid, Fractu	re, Shot, Cement	Squeeze Record	d	
Shots For Foot	Specify Fo	otage of Each Interval Per	forated		(Amo	unt and Kind of Ma	iterial Used)	<u> </u>	Depth
									CEIVED
							KANS	SAS CORP	ORATION COMMI
								JAN	1 7 2008
						-			RVATION DIVISION
TUBING RECORD	Size	Set At	Packer At	1	iner Run	Yes No		W	/ICHITA, KS
Date of First, Resumerd F	Production, SWD or Enl	nr. Producing Meth	nod						
				Flowing	Pumping	Gas Lif	t Othe	er (Explain)	
Estimated Production Per 24 Hours	Oil B	ols. Gas	Mcf	Water	Bbls	. G	as-Oil Ratio		Gravity
Disposition of Gas	METHOD OF CO	MPLETION		F	roduction Interva]			
Vented Sold	Used on Lease	Open Hole Other (Speci	Perf.	Dua	lly Comp.	Commingled			

DRILLING & GEOLOGICAL SUMMARY

Operator: Kansas Natural Gas G	athering, Inc.	Licens	se Number: <u>32787</u>
	=		ı. #: <u>15 - 093 - 21809 -0000</u>
			NE Sec. <u>05</u> Twp. <u>25 S</u> Rng. <u>35 W</u>
Elevation@ Ground Level: 2970 '	Kelly Bushing: <u>2</u>	<u>982</u> ′ Ref. Datur	m: KB Depth: 2962 ' PBTD: 2938 '
Drilling Spud Date: 12 - 12 - 2	2007	Drillir	ng Completed Date: 12 - 14 - 2007
Contractor: Tripidad Drilling I D	Pio :	# 216 Licon	se Number: <u>33784</u>
Contractor. Triffidad Driffing Er	Kig	#_ <u>Z10</u> Licens	se Number. <u>5570</u>
Surface Casing Size: 8.625_"	Weight: <u>24</u>	# Grad	le: <u>J-55</u> Depth Set @: <u>911</u>
Equip. & Cement: 'texas' pattern s	hoe, baffle pla	ate, 3 centraliz	ers, basket on #20 of 21.
230 sx of lead:	150 sx of tail v	w/ 3% CC - 1/	4# Flo-Cele.
Circulated 21 sacks of cement to		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Prod Carina Siza, 5 500 "	Weight: 1E E	: # Crad	le: _]-55 Depth Set @: _2961_'
			e, 10 centralizers.
270 sx of lead w	<u>// 3% CC - 1/4</u>	4# Poly-E-Flak	ke; 150 sx w/ 1/4# Poly-E-Flake.
Circulated 95 sacks of cement to			Total Depth Hole Deviation: 1/4 degrees.
Open Hole Logs: <u>not run</u>		_ Cased Hole Lo	ogs: 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	559 533	
T/WINFIELD T/TOWANDA	2460 2519	522 463	
T/FORT RILEY	2578	404	
T/COUNCIL GROVE	2683	299	all perforations in C.G.
RTD	2962	20	an parrordions in coal
LTD	2938	44	
PBTD	2938	44	
REFERENCE ELEVATION	2982		
Perforations: 2688'-2698', 2700'-2704	i', 2710'-2713', 2	715'-27 <u>18', 2724'</u>	-2730', 2736'-2739', 2742'-2751' all w/3 SPF
Acid Treatment: 2052 gallone of	15% FE_MCA	may processes	was 1891#, max rate was 11.5 BPM,
•		max pressure	was 1091#, Illax rate was 11.5 bpm,
good ball action.			RECEIVED
	4		KANSAS CORPORATION COMMISSION
Frac. Treatment:			JAN 1 7 2008
	•	- A	CONSERVATION DIVISION WICHITA, KS
	1	1 11/11	1-1-1
Name: Kurt Osterbuhr	Signed: 4	_w U/	Date: 01 - 05 - 2008

CEMENT SURFACE PIPE Cementing Job Summary

The Road to Excellence Starts with Safety

CANSA Frost DMA	AS NA	TURA	L GAS C	DEDATING		i.	_											
				11. FIANTINA	3 INC		Cust	omer i	Rep:	Lehni	ing, St	eve				_		
AMC				W	ell#:	#3-CG-	5				API	/UWI	#: 1	5-093-	21809			
		Cit	y (SAP):	LAKIN	C	ounty	/Pari	sh: Ke	amy	<i>I</i>		St	ate:	Kansa	as			
ROVE	<u>:</u>					•						-						
iption	: Sec	tion 5	Townshi	p 25S Ran	ge 35	w												
		DRILL		Rig/Plat			Vium	: 216										
					Co	mont C		oo Coo	-									
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Size	Qty	wake	Depth	Туре	Size	Qty	<u>' N</u>	Vlake	Dep		Тур	B	S	ize	Qty		Ma	ke
				Packer	_						Plug							
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	On L H On L H	Developmen n: HESTOI Name EREMY L Gary Distance-1 On Location Hours Impel pth (MD) To septh (MD) Fro Used TOP,8 5/8,H GER TOOTH R FLOAT,8- - 1.500 ID - R ASSY - AP -8-5/8 CSG-	Oevelopment Well n: HESTON, MY Name Exp Hrs EREMY L 6.0 Distance-1 way On Location Hours On	Development Well n: HESTON, MYRON Name	Name Exp Hrs Emp # HESEREMY L 6.0 399155 OLDS, Reserved 6.0 tws Distance-1 way HES Unit # Distance-1 way Distance-1 way Hes Unit # Distance-1 way Distance-1 way	Development Well n: HESTON, MYRON Srvc Supervis John Type: Ce Srvc Supervis John HES Emp # HES Emp M REMY L 6.0 399155 OLDS, ROYCE Gary 6.0 tws Distance-1 way HES Unit # Distance-1 On Location Hours Hours John Hours Hours John Hours Hours BHST D 900. ft John Depth TVD Wk Ht Above Floor Pepth (MD) From To New / Max Size in in long long Pepth (MD) From To New / Max Size in in long Pepth (MD) From To New / Max Size in long Pepth (MD) From Sales/Royce Sales/Royce Description TOP,8 5/8,HWE,7.20 MIN/8.09 MA GER TOOTH,8 5/8 IN 8RD R FLOAT,8-5/8 8RD, 24 lbs/ft -1.500 ID - 7 IN 8-5/8 R ASSY - API - 8-5/8 CSG X -8-5/8 CSG-SLIP-ON-S Tools	Development Well n: HESTON, MYRON Srvc Supervisor: SI Job Per Name Exp Hrs Emp # HES Emp Name Equip Distance-1 way HES Unit # Distance-1 way Job H On Location Hours Job Hours Job Hours Job Hes Unit # Distance-1 way Job Hours J	Development Well In: HESTON, MYRON Srvc Supervisor: SMITH Job Person Srvc Supervisor: SMITH Job Person Size Supervisor: SMITH Size Supervisor: SMITH Job Person Size Supervisor: SMITH Size Supervisor: SMITH Job Person Size Supervisor: SMITH Size Supervisor:	Development Well In: HESTON, MYRON Srvc Supervisor: SMITH, BOB Job Personnel Name Exp Hrs Emp # HES Emp Name Exp Hrs ERMY L 6.0 399155 OLDS, ROYCE E 6.0 Bary 6.0 tws Equipment Distance-1 way HES Unit # Distance-1 way HES Unit # Job Hours On Location Hours Job Hours On Location Hours Job Hours Total is the su Job Sime Poth (MD) Top Bottom Called Wk Ht Above Floor 2. ft Job Simple Poth (MD) From To Depart In Job Simple Poth (MD) From In	Development Well n: HESTON, MYRON Srvc Supervisor: SMITH, BOBBY Job Personnel Name Exp Hrs Emp # HES Emp Name Exp Hrs Emp REMY L 6.0 399155 OLDS, ROYCE E 6.0 3061 Sary 6.0 tws Equipment Distance-1 way HES Unit # Distance-1 way HES Unit # D Job Hours On Location Hours Hours On Location Hours Date On Location Hours Total is the sum of Hours Date On Location Hours Total is the sum of Hours On Location Hours Date On Location Hours Total is the sum of Hours Date On Location Hours Total is the sum of Hours Date On Location Hours Total is the sum of Hours Date On Location Hours Total is the sum of Hours Date On Location Hours Total is the sum of Hours Date On Location Hours Total is the sum of Hours Total is the sum of Hours Date On Location Hours Total is the sum of Hours Total is the Sunit # D A HES Unit # D Departed L Well Data Thread Thread Thread Thread Thread Thread Total is the Stall Hours HES Unit # D Departed L Well Data Thread Thre	Development Well Struct Supervisor: SMITH, BOBBY In: HESTON, MYRON Supervisor: SMITH, BOBBY In: HESTON In: HESTON In: HESTON		Development Well Service Servi	Development Well Struct Supervisor: SMITH, BOBBY MBU ID Emp #: Job Personnel	Development Well Distance Casing Development Well Distance Development Distance Distance			Description Description

Inursday, December 13, 2007 12:45:00

Cementing Job Summary

						Flu	id Data							
St	tage/Plug	#: 1												
Fluid #				Fluid N	lame		Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total I Fluid G	
1	Water Pro	} -					0.00	bbl	8.33	.0	.0	6.0		
2	Lead Cen		,	ON-2 CEMENT (15079)	PREMIUM	PLUS -	230.0	sacks	11.4	2.95	18.09	6.0	18.0	9
	0.1 %		WG-	17, 50 LB SK (10	00003623)									-
	3 %		CALC	CIUM CHLORIDE	E - HI TEST	PELLET	(100005	053)						
	0.5 lbm		POL)	Y-E-FLAKE (101:	216940)									
	18.09 Gal		FRES	SH WATER				,						
3	Tail Ceme	ent		- PREMIUM PLI 12205)	US CEMEN	Γ	150.0	sacks	14.8	1.34	6.32	6.0	6.32	2
	94 lbm		CMT	- PREMIUM PLU	JS - CLASS	C REG	OR TYPE	III, BUL	_K (100012	2205)				
	2 %		CALC	CIUM CHLORIDE	E - HI TEST	PELLET	(100005	053)						
	0.25 lbm		POL	Y-E-FLAKE (101:	216940)									
	6.324 Gal		FRES	SH WATER										
	Water Displacem						54.644	bbl	8.33	.0	.0	6.0		
	alculated '	Values		Pressu	res				,	olumes				
_	cement			hut In: Instant		Lost R		<u> </u>	Cement S			Pad		
 	f Cement			Min			t Returns	5	Actual D			Treatr		
Frac G	3radient		1	5 Min		Spacer	s lates	<u> </u>	Load and	Breakd	own	Total	Job	
Circu	lating			Mixing		• • • • • • • • • • • • • • • • • • • •		ement	T		Avg	lob		
	nent Left in	Pipe	Amo		ason Shoe	Joint	, F							
	Ring # 1 @	. ,	ID	Frac ring # 2		D	Frac Rin	g # 3 @	11	D	Frac Ring	#4@	ID	Γ
T	he Inform	ation	State	ed Herein Is (Custon	ner Represe	entative Si	· · · · · · · · · · · · · · · · · · ·	(SUR	FACE Cea	1	*	

CIRCULATED 21 SACKS CEMENT TO PIT

RECEIVED KANSAS CORPORATION COMMISSION

JAN 172008

CONSERVATION DIVISION WICHITA, KS

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 303233	Ship To #: 2618	3503 Quote #:	Sales Order #: 5554462
Customer: KANSAS NAT	URAL GAS OPERATI	NG INC Customer Rep:	Lehning, Steve
Well Name: Frost	<u> </u>	Well #: #3-CG-5	API/UWI #: 15-093-21809
Field: PANOMA COUNCIL GROVE	City (SAP): LAKIN	County/Parish: Kearny	State: Kansas
Legal Description: Section	on 5 Township 25S R	ange 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 DI	RILLING Rig/PI	atform Name/Num: 216	
Job Purpose: Cement Su	rface Casing		Ticket Amount:
Well Type: Development	Well Job T	ype: Cement Surface Casing	
Sales Person: HESTON	MYRON Sive S	Supervisor: SMITH, BOBBY	MBU ID Emp #: 106036

Activity Description	Date/Time	Cht	bbl/ min	1	ume bi		sure sig	Comments
		#		Stage	Total	Tubing	Casing	
Call Out	12/13/2007							
	05:00	:						
Safety Meeting - Service	12/13/2007							
Center or other Site	06:30		<u></u>					
Arrive at Location from Other	12/13/2007	1				<u> </u>		
Job or Site	08:30							
Assessment Of Location	12/13/2007		:					Rig getting ready to run
Safety Meeting	08:30							casing.
Safety Meeting - Pre Rig-Up	12/13/2007]					pump truck
	08:35							
Other	12/13/2007					-0		bulk trucks on location
	09:00				RECE	NED	PION	
Safety Meeting - Pre Rig-Up	12/13/2007							bulk trucks
	09:05	1		KANSA		2 2008		}
Other	12/13/2007				I WALL	Love	1	Casing going in the hole.
	09:20				I	L'ON DIAIS.	M	Float equipment started.
Other	12/13/2007				CONSERV	ATION DIVISI CHITA, KS		Casing on bottom. Rig
	11:00			[W	J	ļ	down casing crew.
Safety Meeting	12/13/2007							location
	11:20							
Start Job	12/13/2007							
	11:38						}	
Test Lines	12/13/2007						3200.	kick outs 2000
	11:40						0	
Pump Spacer 1	12/13/2007		5	10			50.0	water
	11:41							
Pump Lead Cement	12/13/2007		6	120.8			100.0	230 sk @ 11.4 #
	11:44			4				
Pump Tail Cement	12/13/2007		6	35.79			75.0	150 sk @ 14.8 #
	12:01							
Drop Plug	12/13/2007							
-	12:09						į	
Pump Displacement	12/13/2007		6	54.27	0		75.0	water
· · · · · · · ·	12:14				_			

Sold To #: 303233

Ship To #:2618503

Quote #:

Sales Order #:

5554462

SUMMIT Version:

7.20.130

Thursday, December 13, 2007 12:45:00

Cementing Job Log

Activity Description	Date/Time	Cht	Rate bbl/ min		ume bi	i .	sure sig	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

RECEIVED
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

CEMENT PRODUCTION CASING

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 3	03233		Ship '		: 261850		enenc		te #:	ii Sai	CLY		s	ales	Orde	r #: 5	55555	39
Customer: K		NATURA						Cus	tomer	Rep:	Lehr	ning, Si	eve					
Well Name: I							#3-CG							1 #: 1	5-093	-218	09	
Field: PANC Council Gr	MA	Cit	y (SAF	P): L/	AKIN		Count	y/Paı	rish: Ke	earny		J	\$	tate:	Kans	as		
Legal Descri																		
Contractor:	TRINIDA	D DRILL	ING		Rig/Plat	form	Name	/Nun	n: 216	216								
Job Purpose	e: Cemer	nt Produc	ction C	asing	9					,								
Well Type: D	evelopm	ent Well			Job Typ	e: Ce	ement	Produ	uction C	Casing	g							
Sales Persor	n: HEST	ON, MYI	RON		Srvc Su CHESTE	ĖR						MBU II) Em	ıp#:	2430	55 ——		·• · · · · · · · · · · · · · · · · · ·
							Job Pe											
HES Emp		Exp Hrs				Emp l			xp Hrs	Emp				р Маг			p Hrs	Emp#
ARCHULETA	۹,	6.5	22638	B1	CHAVEZ	z, erik	(Adrai	n 6	6.5	3246	93	HUTC	HESC	N, RI	CKY	6.	5	428969
MIGUEL A OLIPHANT		6.5	2430	55				-				G				+		
CHESTER C		0.5	24300	· ·														
3 <u>2</u> , <u>E</u> , (1	i				Equi	pme	nt									
HES Unit #	Distance	-1 wav T	HES U	Jnit #	Dista	ince-1			S Unit #	# D	istan	ce-1 wa	v I	HES L	Jnit #	П	istano	e-1 way
10286731	80 mile		10704		80 mil		-		44298C) mile			08978) mile	
10897879	80 mile	 	10988	832	80 mile	<u>е</u>		661	2	80) mile		1	00601		180) mile	
		<u>.</u>					Job	Hour										
Date	On Loca		peratin Hours	g	Date	7	On Loc Hou	ation	Оре	rating	9	Da	e		Loca			erating Hours
				\dashv					 					+			 	
TOTAL	•					<u> </u>		Total	is the su	ım of	each	column	sepa	rately		•		-,
			Job				•						Job	Time	es			
Formation Na	me												Date		Ti	me	Tin	ne Zone
Formation De	pth (MD)	Тор			Botto	om			Called	d Out		14 - 1	Dec -	2007	12	:30		CST
Form Type			E	BHST					On Lo	catio	n	14 - 1	Dec -	2007	17	:30		CST
Job depth MD		2966. ft			epth TVI		296	6. ft	Job S	tartec	ł	14 - 1	Dec -	2007	22	:15		CST
Water Depth				Vk Ht	t Above F	loor	4.	ft	Job C	ompl	eted	14 - 1			23	:20		CST
Perforation D	epth (MD)	From			То	<u> </u>			Depai	ted L	oc	<u> </u> 15 - I	Dec -	2007	00	:00		CST
								Data				·······						
Description	n New Use		ure	Size in	ID in	Weig Ibm/		1	Thread		G	irade	-	MD ft	Botto ME ft)	Top TVD ft	Bottom TVD ft
Surface Casin				.625	8.097	24.		8 R	D (ST&C	2)	Un	known			900).		
Production Ho					7.875								90	00.	294			
Production Casing	Nev	V		5.5	5.012	15.8			D (LT&C			J-55		•	294	0.		
						ales/R	tental/	3'" P	arty (H	ES)	 .				· · · · · · · · · · · · · · · · · · ·			
			De	scrip	otion						Qt		uom	Dep	th		Supp	lier
SHOE,GID,5-1											1		Α		[
PLUG ASSY,3											1		A					
BAFFLE ASSY				WN							1		Α	<u> </u>				
CENTRALIZE		TURBO -	API -			·					10		A					
KIT,HALL WEI	LD-A			•						<u></u>	1	E	Α	L				

RECEIVED KANSAS CORPORATION COMMISSION

JAN 17 2008

Cementing Job Summary

							Tools a					,						
Ty	pe	Size	Qty	Make	Depth		Size	Qty	Ma	ke D	epth		Туре	Siz	е	Qty	Ma	ike
Buide	Shoe					Packer						Top						
loat S	Shoe					Bridge Plug	3						om Plug					
Float (Collar					Retainer							plug set					
nsert	Float												Container	•				
Stage	Tool		<u> </u>	.1								Cent	ralizers	<u> </u>				
							Miscell	aneous	Mat	erials								
Gelling	g Agt			Co	nc	Surfa	ctant			Conc			I Туре		Qty		Conc	%
Freatn	nent F	ld		Co	nc	inhib	itor			Conc	<u> </u>	San	d Type	 	Size		Qty	<u> </u>
								Fluid D	ata									
St	age/P	lug #	: 1						-									
Fluid		ge Ty			FI	uid Name		(Qty	Qty	Mi	xing	Yield	Mix	Raf	te :	Total N	/lix
#			·			•		ĺ		uom	Dei	nsity	ft3/sk	Fluid	bbl/r	nin Fl	uid Ga	ıl/sl
i											lbn	n/gal		Gal/sl	c			
1	Wate Flush	r Pre-						0	.00	bbl	8	.33	.0	.0	6.0)		
2		Flush		MUD FI	USH - Z	I - SBM (133	3831	10	0.00	bbl	8	3.4	.0	.0	6.0	5		
3		Ceme	ent	MIDCO	N-2 CEM	ENT PREMI			0.0	sacks		1.4	2.89	17.8	6.0		17.8	
	2.05	11		SBM (15		/404046040			1		i				<u> </u>			
	0.25					(101216940)												
	0.1					K (10000362	(3)											
. 1	17.80				WATER			1			-							
4		Cemer	nt	(100012	205)	M PLUS CEN			50.0	sacks		4.8	1.33	6.25	6.0		6.25	
	94 1	bm				1 PLUS - CL		EG OR	TYPE	III, BL	JLK (1	00012	2205)					
	0.5	%		HALAD(R)-322,	50 LB (1000)	03646)											
	0.25	lbm		POLY-E	-FLAKE	(101216940))											
	6.245	Gal		FRESH	WATER													
5	2 %	KCL W	ater					20	0.00	bbl	8	.33	.0	.0	6.0)		
	Displa		nt															
	7 Ibn	n/bbl		POTAS	SIUM CH	ILORIDE 2%	(100001	1585)										
6		h Wate	1					0	.00	bbl	8	.33	0.	.0	6.0)		
	Displa												<u> </u> i					
Ca	alcula	ted V	alues			ssures						V	/olumes					
	ceme				t in: ins	tant	Los	t Retur	ns		Cen	nent S	Slurry		Pad	d		
Top O	f Cem	ent		5 M				nent Re	eturns	3	Actı	ual D	isplaceme	nt	Tre	atmer	nt	
Frac G	radie	nt		15 F	/lin		Spa	cers			Loa	d and	Breakdov	vn	Tot	tal Job		
								Rate	S									
	lating				Mixir				isplac	cemen	t			Avg.	Job			
Cem	ent Le	eft In F	Pipe	Amoun	t 42 ft	Reason	Shoe Joi	nt										
Frac	Ring #	1@		ID	Frac rin	g # 2 @	ID	Fra	c Rin	ıg # 3 (@	II	D F	rac Rin	g # 4 @	9	ID	
TI	he Inf	orma	tion	Stated	Heroir	Is Correc	Cu	stomer R	eprese	entative s	Signatu	re						

CIRCULATED (95) SACKS TO PIT

RECEIVED KANSAS CORPORATION COMMISSION

JAN 17 2008

CONSERVATION DIVISION WICHITA, KS

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 303233				Quote #:	Sales Order #: 55555				
Customer: KANSAS NATU	JRAL G	AS OPERATI	NG INC	Customer Rep: Le	ehning, Steve				
Well Name: Frost			Well #: #3-C	G-5	API/UWI #: 15-093-21809				
Field: PANOMA COUNCIL GROVE	City (S	AP): LAKIN	County	/Parish: Kearny	State	e: Kansas			
Legal Description: Sectio	n 5 To	wnship 25S R	ange 35W	,					
Lat: N 0 deg. OR N 0 deg.	. 0 min.	0 secs.		Long: E 0 deg. O	R E 0 deg. 0 min	. 0 secs.			
Contractor: TRINIDAD DR	RILLING	Rig/PI	atform Name	Num: 216 216					
Job Purpose: Cement Pro	duction	Casing			Ticket Amour	nt:			
Well Type: Development \	Vell	Job T	ype: Cement l	Production Casing					
Sales Person: HESTON, I			Supervisor: O TER	LIPHANT,	MBU ID Emp	#: 243055			
		······································	Rate		Pressure				

Activity Description	Date/Time	Cht	Rate bbl/ min	Volume bbl		Pressure psig		Comments
0-110	40/44/0007	#	ļ. <u>.</u>	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					-0	CON	
Wait on Customer or Customer Sub-Contractor Equip	12/14/2007 18:00			Va.	RECT SAS CORPOR	ATION COMM	3500	RIG RUN 5 1/2 CASING AND FLOAT EQUIPTMENT
Wait on Customer or Customer Sub-Contractor Equipm	12/14/2007 21:45			100	CONS	7 7 2001 ERVATION DI WICHITA, KS	ISION	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	ī	165.0	150 SK @ 14.8 PPG

Sold To #: 303233

Ship To #:2618503

Quote #:

Sales Order #:

5555539

SUMMIT Version: 7.20.130

Friday. December 14. 2007 11:21:00

we had been been

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 Cmnt	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 AIT

RECEIVED KANSAS CORPORATION COMMISSION

JAN 17 2008

CONSERVATION DIVISION WICHITA, KS

Sold To #: 303233

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Quote #:

Sales Order #:

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SUMMIT Version:

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Fridav. December 14. 2007 11:21:00