## KANSAS CORPORATION COMMISSION ORIGINAL 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 - 055-21955-0000
Name: Kansas Natural Gas Operating, Inc.	County: Finney
Address: P. O. Box 815	SE -NW - SE - 1/4 Sec. 29 Twp. 24 S. R. 34 ☐ East ✓ West
City/State/Zip: Sublette, KS 67877	1482' feet from S / N (circle one) Line of Section
Purchaser: Oneok Pipeline	1775' feet from (E) / W (circle one) Line of Section
Operator Contact Person: Steve Lehning	Footages Calculated from Nearest Outside Section Corner:
Phone: (_620) _675-8185	(circle one) NE (SE) NW SW
Contractor: Name: Trinidad Drilling, LP.	Lease Name: Hamlin Well #: 6-3
License: 33784	Field Name: Hugoton
Wellsite Geologist: Ron Ostebuhr	Producing Formation: Chase Formation
Designate Type of Completion:	Elevation: Ground: 2965' Kelly Bushing: 2977' KB
New Well Re-Entry Workover	Total Depth: 2656' KB Plug Back Total Depth: 2646' KB
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 940' G.L. Feet
Gas SIGW	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:	SX CINT.
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan AH. SB
Deepening Re-perf Conv. to Enhr./SWD	(Data must be collected from the Reserve Pit) 3 - 25-08
Plug Back Plug Back Total Depth	Chloride content NA ppm Fluid volume 90 bbls
Commingled Docket No.	Dewatering method used Evaporate Till Dry - Backfill
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
	Operator Name:
Other (SWD or Enhr.?) Docket No	Lease Name: License No.:
11-14-2007	Quarter Sec Twp S. R
Spud Date or Date Reached TD Completion Date or Recompletion Date	County: Docket No.:
	Docker No.
Kansas 67202, within 120 days of the spud date, recompletion, workow Information of side two of this form will be held confidential for a period of	h the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, ver or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 12 months if requested in writing and submitted with the form (see rule 82-3-s and geologist well report shall be attached with this form. ALL CEMENTING s. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulnerein are complete and correct to the best of my knowledge.	late the oil and gas industry have been fully complied with and the statements
Signature: Stave Sehming	KCC Office Use ONLY
	Letter of Confidentiality Received
Subscribed and sworn to before me this 11 the day of January	V RELEIVED
20 08	Wireline Log Received KANSAS CORPORATION COMMISSI
Notary Public: Kais The	Geologist Report Received
, , , , , , , , , , , , , , , , , , , ,	UIC Distribution JAN 1 7 2008
Date Commission Expires:	Copy to Jim conservation division
KRAIG L. GROSS NOTARY PUBLIC STATE OF KANEAS My Appl. Exp.	WICHITA, KS

#### Side Two

Operator Name: Kan	sas Naturai Gas Op	perating, ii	1C.	Lease	Name:	панни		_ Well #: _6-3				-
Sec Twp2	4S. R. <u>34</u>	. 🗌 Eas	t 🗸 West	County	: Finne	у						-
INSTRUCTIONS: Si tested, time tool ope temperature, fluid red Electric Wireline Log	n and closed, flowin covery, and flow rate	g and shu es if gas to	t-in pressures, surface test, a	whether sh long with f	nut-in pr	essure reached	static level, hydro	static pressu	res, botto	m hole		
Drill Stem Tests Take		Y	es 🗹 No			_og Formatio	on (Top), Depth a	nd Datum	<b>V</b>	Sample		
Samples Sent to Ge	ological Survey	<b></b> ✓ Y	es 🗌 No		Nan	ne		Тор		Datum		
Cores Taken		□ Y	es 🗸 No		T-Pe	ermian		854'	;	2123'		
Electric Log Run		<b>✓</b> Y	es 🗌 No		T-Bia	aine		1310'		1667'		
(Submit Copy)					B-St	one Corral		1908'		1069'		
List All E. Logs Run:					T-Ho	ollenberg		2460'	:	517'		
(Dual - Space	d Gamma Ra	y Neuti	on)		T-He	errington		2488'	4	189'		
					T-Kr	ider		2510'	4	167'		
					T-W	infield		2546'	4	131'		
		_		RECORD	<b>√</b> N		(Continue)	<i>a</i> )				
	Size Hole	T	rt all strings set-c	onductor, su Weig		ermediate, product Setting	<del> </del>	# Sacks	Time			1
Purpose of String	Drilled		t (In O.D.)	Lbs.		Depth	Type of Cement	# Sacks Used		and Pero	ent	
Surface Pipe	12 1/4"	8 5/8"		24 #		940' G.L.	Econocem Prem.	355	3 % C	al. Chlo	ride	
Production Pipe	7 7/8"	5 1/2"		15.5#		2646' G.L.	Econocem Prem. Lite	380	3 % C	al. Chlo	ride	
		<u> </u>	ADDITIONAL	CEMENTIN	NG / SO	UEEZE RECORD	<u> </u>	1 000	10 /0 0.			J
Purpose: Perforate	Depth Top Bottom	Туре	of Cement	#Sacks			***************************************	ercent Additive	s			
Protect Casing Plug Back TD Plug Off Zone	,											
Shots Per Foot			RD - Bridge Plug Each Interval Per				ture, Shot, Cement		ord	Dep	oth	
(4) Shot/P Foot	2494' - 2502' KB					Acid: 3,600 Ga	allons of 15% FE-	-MUD			-	
	2514' - 2524' KB	(144 Hole	s)			and 85 Barrels	of 2% KCL.		-	REC	EIVE	ED
	2548' - 2558' KB								KANSAS	CORPO	RATION	COMMISSK
	2610' - 2618' KB		KB = 12			Frac: Delta Fo	am Frac W/ 100,	000 of	•	JAN	172	2008
						Premium 12/20	0 Sand @ 40 BPI	M Rate	C			DIVISION
TUBING RECORD 2.3	Size /8" EUE. 8 Rd	Set At 2619 G.L		Packer At lone	t	Liner Run	Yes ✓ No			WIC	HITA, I	(S
Date of First, Resumers Pending Pipeline	Production, SWD or E		Producing Meth	od _	Flowing				or /Evalain			
Estimated Production Per 24 Hours		Bbls.	Gas i	Mcf	Wate			as-Oil Ratio	er (Explain	) Gravi	ly	
Disposition of Gas	METHOD OF C	OMPLETIC				Production Interv	al					
Vented Sold	✓ Used on Lease	•	Open Hole Other (Specif	✓ Perf.		Dually Comp.	Commingled 2	494' KB - 26	18' KB			

#### Side Two

Operator Name: Kans	as Natural Gas Op	erating, Inc.	Lease Name:	Hamlin		Well #: 6-3	P	_
Sec. 29 Twp. 24	S. R. 34	☐ East	County: Finne	У				_
ested, time tool open emperature, fluid reco	and closed, flowing very, and flow rate:	and base of formations of gand shut-in pressures if gas to surface test, inal geological well site	, whether shut-in pr along with final cha	essure reached	static level, hydro	static pressures	, bottom hole	
Drill Stem Tests Taken (Attach Additional S		Yes No		_og Formati	on (Top), Depth a	nd Datum	✓ Sample	-
Samples Sent to Geole	•	☐ Yes ☐ No	Nar	ne		Тор	Datum	
Cores Taken	,	Yes No	T-To	wanda		2606'	371'	
Electric Log Run		Yes No	RTD	•*		2656'	321'	
(Submit Copy)			LTD			2646'	331'	
ist All E. Logs Run:			РВТ	D:		2646'	331'	
					(CONTINUES	FROM FIRST P	AgE)	
			RECORD N					
Purpose of String	Size Hole	Size Casing	conductor, surface, in	Setting	Type of	# Sacks	Type and Percent	
	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives	
		ADDITIONA	L CEMENTING / SQ	UEEZE RECORD				•
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used		Type and Po	ercent Additives		
	PERFORATIO	ON RECORD - Bridge Plu	as Set/Tune	Aoid Fron	tura Shat Carrant	S		) 
Shots Per Foot	Specify F	ootage of Each Interval Pe	rforated		ture, Shot, Cement nount and Kind of Ma		Depth	
						KAN	RECEIVE VSAS CORPORATION	D Commissi
							JAN 1720	_
							CONSERVATION DI WICHITA, KS	/ISION
TUBING RECORD	Size	Set At	Packer At	Liner Run	Yes No	···········	, ,,,,	
Date of First, Resumerd F	Production, SWD or E	nhr. Producing Me						
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wate			Other (	Explain) Gravity	
Disposition of Gas	METHOD OF C	OMPLETION		Production Interv	ral			
Vented Sold	Used on Lease	Open Hole	Perf.	Dually Comp.				
(If vented, Subm		Other (Spec		лиану Сотр.	Commingled			

#### DRILLING & GEOLOGICAL SUMMARY

Operator: Kansas Natural Gas O	Sathering, Inc.	Licens	se Number: <u>32787</u>	
			I. #: <u>15 - 055 - 21955 -0000</u>	
			SE Sec. 29 Twp. 24 S Rng. 34 W	
Elevation@ Ground Level: 2965 '	Kelly Bushing: 29	<u>977</u> ' Ref. Datu	m: <u>KB</u> Depth: <u>2656</u> 'PBTD: <u>2646</u> '	
Drilling Spud Date: 11 - 14 -	2007	Drillin	ng Completed Date: <u>11</u> - <u>16</u> - <u>2007</u>	
Contractor: Trinidad Drilling LP			<del>-</del>	
		" <u></u>	To Hollie 1. 2000	
Surface Casing Size: 9.635 #	Maiaht. 24		1. F.F	
			de: <u>J-55</u> Depth Set @: <u>952</u>	
Equip. & Cement: 'texas' pattern s	shoe, baffle pla	ate, 3 centraliz	ers, basket on #19 of 22.	
200 sx of lead;	155 sx of tail	w/ 3% CC - 1/	4# Flo-Cele.	
Circulated 25 sacks of cement to	the surface.		Surface Hole Deviation: 1 1/2 degrees.	
Prod. Casing Size: 5.500 "	Welght: <u>15.5</u>	# Grad	e: <u>J-55</u> Depth Set @: <u>2656</u>	,
Equip. & Cement: guide shoe w/ir	itegral latch-de	own baffle, 10	centralizers.	
			50 sx w/ 1/4# Flo-Cele.	
Circulated 50 sacks of cement to	· ·	•		
Sacks of Certificity	the surface.		Total Depth Hole Deviation: 3/4 degrees.	
Open Hole Logs: <u>not run</u>		_ Cased Hole L	ogs; <u>G/R - DSN - CCL</u>	
Horizon	Depth (KB)	Datum	Remarks	<del>-</del> -
T/PERMIAN	854	2123		
T/BLAINE	1310	1667		
B/STONE CORRAL	1908	1069		
T/HOLLENBERG	2460	517		
T/HERINGTON T/KRIDER	2488	489	perforate 2494'-2502'	
T/WINFIELD	2510 2546	467	perforate 2514'-2524'	
T/TOWANDA	2606	431 371	perforate 2548'-2558' perforate 2610'-2618'	
T/FORT RILEY	2000	3/1	periorate 2010 -2018	
T/COUNCIL GROVE			RECEIVED	
RTD	2656	321	KANSAS CORPORATION CO	MMISSION
LTD	2646	331	10000	_
PBTD	2646	331	JAN 17200	18
REFERENCE ELEVATION	2977			0.01
Perforations: 2494'-2502', 2514'	<u>-2524', 2548'-</u>	2558', 2610'-	CONSERVATION DIM WICHITA, KS 2618' all w/4 SPF	SION
Acid Treatment: 3614 gallons of good ball action		max pressure	was 939#, max rate was 11.3 BPM, ,	
Frac. Treatment: 100,200# of 12 pressure was 1!	/20 sand, 342 565#, max rat	bbis of treated e was 42.74 f	d water, 455,094 scf nitrogen. max	
Name: Kurt Osterbuhr	Signed:	KAC	Date: 01 - 05 - 2008	·

# (CEMENT SURFACE) Cementing Job Summary

The Road to Excellence Starts with Safety

				T= -	The	Road	to E	cellenc			ith Sa	afety							****
Sold To #:						2611		·	Quot					Sale	s Ord	er #:	5477	7836	
Customer:		S NAT	URA	L GAS	OP				Custo	omer	Rep	: Lehr	ning, Ste	ve					
Well Name:								#: #6-3			,				15-05	5-21	947	<del></del>	
Field: HUG						VKNO\		Count	y/Paris	sh: F	inney	,	·· · · · · · · · · · · · · · · · · · ·		e: Kan				
Legal Desc	ription:	Section						34W						,	(MII			···	
Contractor:								n Name	/Num:	16									
Job Purpos	se: Cen	nent S	urface	e Casir	na														
Well Type:						lob Ty	ne. C	ement s	Surface	0 Cas	ina			`					
Sales Perso				ON		Sove S	unen	risor: V	VIIIE	DAN	iiry		MOLLIN		- 005				<del></del> .
		<u> </u>				J. V. O		Job Pe			IIEL		MBU ID	Emp #	: 2254	109		•	
HES Emp	n Name	Evi	Hrs	Emp	#	LEC		Name										·	
FERGUSON		4.		10615		OLDS,			4.5	Hrs			HES	Emp N	ame		p Hrs		np#
ROSCOE G		'''		10010	`   `	OLDO,	NOIC	'L L.	4.5	'	3061	90	WILLE, C	IANIEL	. C	4.	5	225	5409
								Fauir	ment									Ĺ	
HES Unit #	Distan	ice-1 w	av	HES U	nit #	Dist	ance-	1 way	HES	linit t	y n	istono	e-1 way	UEC	11-44				
10010921C	60 mile			02402		60 mi			10897			) mile	e-i way	1094	Unit #		istan		way
6611U	60 mile	е	$\dashv$								-   -	J IIIIIC		1094	9/ 10	D)	) mile		
		-				L					_L_								
Date	On Loc	nation	0-			Dete	•	Job F			4-	<del></del>							
Date	Hou			erating ours	J	Date		On Loca Hour			rating	3	Date	0	n Loca			perat	_
11/9/07	4.			4	+			nour	5	H	ours				Hour	5	1	Hour	rs
OTAL		<u> </u>	L					7	otal is t	ho au			-6				<u></u>		
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orm Type	P4.7 (	<u> </u>		BH	IST	БОШ	0111	T					08 - Nov			00		CST	
ob depth MD	<u> </u>	917.	4 ft			oth TVE	`	917.4			cation		09 - Nov					CST	_
Vater Depth						bove F		4. f			arted		09 - Nov					CST	
erforation De	epth (MI	)\Fron	- T	10.00		To	1001	7. 1			ed Lo		09 - Nov					CST	
	-F (	71	- 1			1.0		Well I		epari	eu Lo	)C	09 - Nov	- 2007	07:	18	L	CST	
Description	n Ne	w/	Max	Siz	'e	(D	Weig		Thre			Gra	da Ta	- MD	D 44	<del>- , .</del>			
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			psig					~					İ	14	ft	'	ΓVD ft	ì	VD
Surface Casing	g Ne	ew		8.62	25	8.097	24.		8 RD (S	ST&C	)	Unkr	lown		917.4	1	11	1	ft
Surface Hole						12.25								<u>.</u>	880.				
			. ,		•.	Sa	les/R	ental/3 <sup>n</sup>	Party	/ (HE	S)						. ;		14
				Desc	riptic	)n						Qty	Qty uon	De	oth		Suppl	ior	•
LUG,CMTG,T					9 MA	1						1	EA	. 50	-	`	Juppi	ICI	
HOE, CSG, TIC												1	EA	$\vdash$		R	ECE	IVE	<del>)</del>
LVASSY, INSF					t							1	EA	<del> </del>	KANS		RPORAT		
LLUP ASSY -	- 1.500 II	D - 7 IN	l 8-5	/8								1	EA	<del> </del>					
ENTRALIZER	ASSY -	API - 8	-5/8 C	SG X		<u> </u>						3	EA	-		JAI	<del>V 1 7</del>	<del>7 20(</del>	<del>)8</del>
ASKET-CMT-	8-5/8 CS	G-SLIF	P-ON-9	S								1	EA	<del> </del>					
	3	, a				-	Tools	and Ad	Cessó	ries	, , <u>, , , , , , , , , , , , , , , , , </u>			ــــــــــــــــــــــــــــــــــــــ			RVATIC		ISION
Type S	ize Qt	y Ma	ke D	epth	T	/pe	Size		Mal		epth	<del>.</del> T	Tuno				WICHIT		
		, , , ,	-		Packe		Oize	- City	IVICE	VE L	ehui		Туре	3	ize	Qt	У	Ma	ke
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uide Shoe oat Shoe oat Collar sert Float						n/a	liecal	laneous	Math	riala	- :	Cent	ralizers						
uide Shoe oat Shoe oat Collar sert Float age Tool			Conc					laneous			. ş - <sup>2</sup>		1 - 13						
uide Shoe oat Shoe oat Collar sert Float			Conc			N Surfac	tant	laneous	C	rials Conc	. <u>§</u>	Acid	Type Type		Qty		Co	onc	%

### Cementing Job Summary

Fluid	tage/Plug #: Stage Type	And the Control of th				A RELIGION			A STATE	The same of the
#		Fidia N	anie	Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/s
1	Water Pre- Flush		-	10	bbl	8.33	.0	.0	6.0	
2	Lead Cemen	ECONOCEM (TM) SY	STEM (452992	2) 200.0	sacks	11.4	2.95	18.09	6.0	18.09
	0.1 %	WG-17, 50 LB SK (10	0003623)			<del>,</del>			1 0.0	10.09
	3 %	CALCIUM CHLORIDE	- HI TEST PEL	LET (100005	053)	···	-··			
	0.5 lbm	POLY-E-FLAKE (1012		<del></del>		· <del></del>				
	18.09 Gal	FRESH WATER	· · · · · · · · · · · · · · · · · · ·				<del></del>			
3	<b>Tail Cement</b>	HALCEM (TM) SYSTE	M (452986)	150.0	sacks	14.8	1.34	6.32	6.0	
	2 %	CALCIUM CHLORIDE				14.0	1.54	0.32	0.0	6.32
	0.25 lbm	POLY-E-FLAKE (1012		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
	6.324 Gal	FRESH WATER				<del></del>				
4	Water Displacement		······	55.62	bbl	8.33	.0	.0	6.0	
	Iculated Valu	ies Pressure	100 at 110 at 1	73 N. N. 1987 (1987 (1987)	N 25 1	A A A A A A A A A A A A A A A A A A A	1944 S. Par	la t ove		
	ement	Shut In: Instant								4 4. A. S. G. A
	Cement	5 Min		t Returns		Cement SI			Pad	
	radient	15 Min		nent Returns		Actual Dis			Treatm	
Nagary and a	andreg og production og grape og skap English og det blever og skapeter	server in the party of the sale and the		cers Rates		Load and E			Total Jo	
Circula		Mixing				<b>建筑器</b>				
	nt Left In Pipe		on Shoe Join	Displace	ement	<u> Ļ</u>		Avg. Jo	b	
	ing # 1 @	ID Frac ring # 2 (		Frac Ring	#3@	ID	F	ac Ring	*4.6	ID
The	e Informatio	n Stated Herein Is Co	Cus	tomer Represen			<u></u>	de King i	74(0)	וטו
		ii otatea nerem is co	JIIECL	Stan	e of	chrine	il	9/07		

RETURNED (20) SACKS TO PIT

RECEIVED KANSAS CORPORATION COMMISSION

JAN 17 2008

CONSERVATION DIVISION WICHITA, KS

Summit Version: 7.20.130

Friday, November 09, 2007 06:22:00

### Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 303233 Shi	p To #: 2611101	Quote #:	Sales Order #: 5477836
Customer: KANSAS NATURAL GA	AS OPERATING INC	Customer Rep: Le	
Well Name: Spratt	Well #:		API/UWI #: 15-055-21947
Field: HUGOTON City (SA	P): UNKNOWN Co	unty/Parish: Finney	State: Kansas
Legal Description: Section 13 Tox	vnship 25S Range 34\	N	o action i danoad
Lat: N 0 deg. OR N 0 deg. 0 min. 0	secs.	Long: E 0 deg. Of	RE 0 deg. 0 min. 0 secs.
Contractor: Cheyenne Drilling	Rig/Platform Na	ame/Num: 16	
Job Purpose: Cement Surface Cas	ing		Ticket Amount:
Well Type: Development Well	Job Type: Cem	ent Surface Casing	1
Sales Person: HESTON, MYRON		C WILLE DANIEL	MRILID Emp #: 225400

Activity Description	Date/Time	Cht	Rate bbl/ min		olume bbl	Pre	ssure	Comments
		#	******	Stage	Total	Tubino	Casing	
Call Out	11/08/2007 22:00		32. 184. 184	13 May 19 M		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		<u> </u>
Pre-Convoy Safety Meeting	11/08/2007 23:00							
Arrive At Loc	11/09/2007 02:00							RIG UP TO RUN CASING
Assessment Of Location Safety Meeting	11/09/2007 02:05							CASHAG
Rig-Up Equipment	11/09/2007 02:10							SPOT IN
Rig-Up Equipment	11/09/2007 04:30				RE CORD	ENED	MMISSION	STAB CEMENT HEAD RIG CIRCULATES
Safety Meeting - Pre Job	11/09/2007 05:00				, SAS CORP	ORATION O	08	- NO OIRCOLATES
Rig-Up Completed	11/09/2007 05:08				76	ORATION IN THE SERVATION	DIVISION KS	SWITCH CASING OVER TO PUMP TRUCK
Test Lines	11/09/2007 05:09					MCHIL.		
Pump Spacer 1	11/09/2007 05:10		2.5	10			25.0	H2O
Pump Lead Cement	11/09/2007 05:15		5.5	105.1			100.0	200SK OF 11.4# SLURRY
Pump Tail Cement	11/09/2007 05:46		5.5	3.58			150.0	150SK OF 14.8# SLURRY
Drop Top Plug	11/09/2007 05:53							SHUT DOWN
Pump Displacement	11/09/2007 05:54		4.5	55.62			75.0	UP TO 250PSI: FRESH H2O
Other	11/09/2007 06:05		2	55.62			250.0	SLOW RATE LAST 10BBL
Bump Plug	11/09/2007 06:09		2	55.62			260.0	UP TO 750PSI
Check Floats	11/09/2007 06:10							HELD

Sold To #: 303233

Ship To # :2611101

Quote #:

Sales Order #:

5477836

SUMMIT Version: 7

7.20.130

Friday, November 09, 2007 06:22:00

# CEMENT PRODUCTION CASING Cementing Job Summary

The Road to Excellence Starts with Safety Sold To #: 303233 Ship To #: 2611101 Quote #: Sales Order #: 5477849 Customer: KANSAS NATURAL GAS OPERATING INC Customer Rep: Lehning, Steve Well Name: Spratt Well #: #6-3 API/UWI #: 15-055-21947 Field: HUGOTON City (SAP): UNKNOWN | County/Parish: Finney State: Kansas Legal Description: Section 13 Township 25S Range 34W Contractor: Cheyenne Drilling Rig/Platform Name/Num: 16 Job Purpose: Cement Production Casing Well Type: Development Well Job Type: Cement Production Casing Sales Person: HESTON, MYRON Srvc Supervisor: DEETZ, DONALD MBU ID Emp #: 389855 Job Personnel **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# CARRILLO. 6.5 371263 DEETZ, DONALD E 6.5 389855 FERGUSON, ROSCOE 6.5 106154 **EDUARDO Carrillo** OLDS, ROYCE E 6.5 306196 TORRES, CLEMENTE 6.5 344233 Equipment **HES Unit #** Distance-1 way 10010921C 60 mile 10240236 60 mile 10286731 60 mile 10897857 60 mile 10897879 60 mile 10949718 60 mile 6611U 60 mile Job Hours Date On Location Operating Date On Location Operating Date On Location Operating Hours **Hours** Hours Hours Hours Hours 11/10/07 6.5 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 10 - Nov - 2007 03:30 **CST** Form Type BHST 10 - Nov - 2007 On Location 08:00 CST Job depth MD 2697. ft Job Depth TVD 2697, ft Job Started 10 - Nov - 2007 00:00 CST Water Depth Wk Ht Above Floor 3. ft Job Completed 10 - Nov - 2007 00:00 CST Perforation Depth (MD) From To Departed Loc 10 - Nov - 2007 00:00 CST Well Data Description New / Max Size 1D Weiaht Thread Grade Top MD **Bottom** Top **Bottom** Used pressure in in lbm/ft MD TVD TVD psig ft ft ft Surface Casing New 8.625 8.097 24. 8 RD (ST&C) Unknown 880 **Production Hole** 7.875 880 2695 Production New 5.5 5.012 15.5 8 RD (LT&C) J-55 2695. Casing Sales/Rental/3<sup>rd</sup> Party (HES) almost between the training the com-مر د مولود في المار المار المار Description Qty | Qty uom | Depth SupplierCEIVED SHOE, GID, 5-1/2 8RD EΑ KANSAS CORPORATION COMMISS PLUG ASSY,3 WIPR LTH-DWN.5 1/2 CSG 1 EA BAFFLE ASSY - 5-1/2 8RD - LATCH-DOWN 1 EA JAN 172008 CENTRALIZER ASSY - TURBO - API -10 EA KIT, HALL WELD-A CONSERVATION DIVISION EA WICHITA, KS **Tools and Accessories** 3.30 **Type** Size Qty | Make | Depth Type Size Make | Depth Qty **Type** Size Qty Make Guide Shoe 5 1/2 2697 Packer Top Plug 5 1/2 1 Н Float Shoe **Bridge Plug Bottom Plug** Float Collar Retainer SSR plug set Insert Float Plug Container 5 1/2 1 Н Stage Tool Centralizers 5 1/2 10 Н

Summit Version: 7.20.130

### Cementing Job Summary

					Miscel	laneous Mat	erials		17.35	1. 1. 1. 1. 1. 1.			<u>. 550 3</u>
	ng Agt		Conc	Surf	actant		Conc	Acid	Туре		Qty	Con	ic 9
	ment Fld		Conc	Inhil			Conc	Sand	d Type		Size	Qty	
		· ·				Fluid Data						7.	
S	tage/Plu	g #: 1					,						
Fluid #	Stage	Туре	Flu	id Name		Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix	Rate bbl/min	Total	
1	Water F	re-				0.00	bbl	8.33	.0	.0	6.0		
2	Mud Flo	ush	MUD FLUSH - ZI	- SBM (13	383)	10.00	bbl	8.4	.0	.0	6.0		
3	Lead Co	ement	ECONOCEM (TM	) SYSTEM	(452992	2) 250.0	sacks	11.4	2.89	17.8	6.0	17.	8
	0.25 lbr	n	POLY-E-FLAKE (*	01216940	)			-le					<del>-</del>
	0.1 %		WG-17, 50 LB SK	(10000362	23)		***************************************						
	17.804 G	Gal	FRESH WATER										
4	Tail Cer	nent	HALCEM (TM) SY	STEM (45	2986)	150.0	sacks	14.8	1.33	6.25	6.0	6.2	5
	0.5 %		HALAD(R)-322, 50	LB (1000	03646)			.d					
	0.25 lbn	n	POLY-E-FLAKE (1	01216940				<del></del>					
	6.245 G	al	FRESH WATER										
5	Water Displace	ment				0.00	bbl	8.33	.0	.0	6.0		
Ca	alculated	Values	Pres	sures	3.3 A		F 18:25	* Vo	olumes				7 A 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
ispla	cement	63	Shut In: Insta	nt	Los	t Returns	0	Cement Si	urry	164		T T	377.3
	f Cement	0	5 Min		Сег	nent Returns		Actual Dis		ent 63	Treatm	ent	
	iradient	<u> </u>	15 Min		Spa	cers	20	Load and E	3reakdo	wn	Total L		247
		极为效果		Secret France	1. Se S	Rates	da kuda	さき物(別)数	March 1	1977 (SW) 758			
Circu	rating	4	Mixing		5	Displace	ement	6	Ī	Avg. Jo		5	141.6
	ent Left I		Amount 42 ft		· · · · · · · · · · · · · · · · · · ·								
rac f	Ring # 1 @		ID Frac ring	#2@	ID	Frac Ring	#3@	ID		Frac Ring	# 4 @	ID	
Tr	ne Inform	nation	Stated Herein Is	s Correc	t Cus	stomer Represent	ative Sig	gnature					

CIRCULATED (10) SACKS TO PIT

RECEIVED KANSAS CORPORATION COMMISSION

IAN 17 2008

CONSERVATION DIVISION WICHITA, KS

### Cementing Job Log

The Road to Excellence Starts with Safety

Sold 10 #: 303233	Ship To #: 2611101	Quote #:	Sales Order #: 5477849
Customer: KANSAS NATU	JRAL GAS OPERATING	INC Customer Rep	: Lehning, Steve
Well Name: Spratt	We	ell #: #6-3	API/UWI #: 15-055-21947
Field: HUGOTON	City (SAP): UNKNOWN	County/Parish: Finney	State: Kansas
Legal Description: Section	n 13 Township 25S Rang	ge 34W	
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: Cheyenne Dril	ling Rig/Platfo	rm Name/Num: 16	
Job Purpose: Cement Pro			Ticket Amount:
Well Type: Development V	Vell Job Type:	<b>Cement Production Casin</b>	
Sales Person: HESTON, M		ervisor: DEETZ, DONALD	
41.			

Activity Description	Date/Time	Cht	Rate bbl/ min	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ume bl	A 5 3 3 3 5	ssure sig	Comments		
		#		Stage	Total	Tubing	Casing			
Arrive At Loc	11/10/2007 08:00						V 1122 3	RIG WAS RUNNING PIPE		
Pre-Job Safety Meeting	11/10/2007 08:05									
Rig-Up Completed	11/10/2007 09:00			RE VANSAS CORV	CEIVED	MMISSION				
Casing on Bottom	11/10/2007 10:45		. 4	IAI	17720	no		PUT ON HEAD LOADED PLUG GAVE TO RIG TO CIRCULATE		
Circulate Well	11/10/2007 10:50			COV	ERVATION D WICHITA, K	<b>5</b>				
Test Lines	11/10/2007 11:43							TEST LINES TO 2000 PSI		
Pump Spacer 1	11/10/2007 11:44		5		10		150.0	RIG WATER		
Pump Spacer 1	11/10/2007 11:47	·	5		10		150.0	MUD FLUSH		
Pump Lead Cement	11/10/2007 11:49		6		129		150.0	250 SKS @ 11.4		
Pump Tail Cement	11/10/2007 12:11		6		35		150.0	150 SKS @ 14.8		
Clean Lines	11/10/2007 12:16									
Drop Plug	11/10/2007 12:18									
Pump Displacement	11/10/2007 12:20		6		63		500.0	RIG WATER SLOWED LAST 10 BBL		
Bump Plug	11/10/2007 12:35						610.0	BUMPED @ 610 TOOK TO 1200		
End Job	11/10/2007 12:37							THANKS FOR CALLING HALLIBURTON ERIC & CREW		

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Saturday, November 10, 2007 12:49:00

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Activity Description	Date/Time	Cht	Rate bbl/ min	ume bi Total	[1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	essure psig g   Casing	Соп	nments
Post-Job Safety Meeting (Pre Rig-Down)	11/10/2007 12:45				- CALL MILLS	3013 White William		

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