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 #	API No. 15 - 081-21761-0000
Name: Kansas Natural Gas Operating, Inc.	County: Haskell
Address: P. O. Box 815	SW _NE _ SE _ 1/4 Sec. 13 Twp. 30 S. R. 32 East
City/State/Zip: Sublette, KS 67877	1435' 1400' feet from (\$) / N (circle one) Line of Section
Purchaser: None	
Operator Contact Person: Steve Lehning	feet from (E) / W (circle one) Line of Section Footages Carculated from Nearest Outside Section Corner:
Phone: (620) _ 675-8185	
Contractor: Name: Trinidad Drilling, LP.	(circle one) NE SE NW SW Lease Name: Stevens Well #: B-2
License: 33784	Field Name: Hugoton Well #: 552
Wellsite Geologist: Ron Ostebuhr	Producing Formation: Chase Formation
	Elevation: Cround: 2855' Kelly Bushing: 2867' KB
Designate Type of Completion:	
New Well Re-Entry Workover	Total Depth: 2728' KB Plug Back Total Depth: 2720' KB
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 686' G.L. Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
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:	Drilling Fluid Management Plan AH, I SB
Original Comp. Date: Original Total Depth:	(Data must be collected from the Reserve Pit) 3-25-08
Deepening Re-perf Conv. to Enhr./SWD	Chloride content NA ppm Fluid volume 125 bbls
Plug BackPlug Back Total Depth	Dewatering method used Evaporate Till Dry - Backfill
Commingled Docket No	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
11-5-2007 11-7-2007 11-18-2007	Lease Name: License No.:
11-5-2007 11-7-2007 11-18-2007 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, worko Information of side two of this form will be held confidential for a period of	ith the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, over or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. If 12 months if requested in writing and submitted with the form (see rule 82-3-gs and geologist well report shall be attached with this form. ALL CEMENTING lls. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulation are complete and correct to the best of my knowledge.	ulate the oil and gas industry have been fully complied with and the statements
Signatura: Steven 10 School	KCC Office Hee ONLY
Signature: Xtever M. Othring	KCC Office Use ONLY
Title:	Letter of Confidentiality Received
Subscribed and sworn to before me this 151 day of Januay	If Denied, Yes Date: RECEIVED
20 <u>08</u> .	Wireline Log Received KANSAS CORPORATION COMMI
Notary Public: Kaig Zhos	Geologist Report Received UIC Distribution JAN 1 7 2008
rocally Fublic.	UIC Distribution
Date Commission Expires: KRAIG L. GROS	ss Copy to Jim conservation division
HOTARY PUBLIC STATE OF KANE	C WICHITA, KS

Side Two

Operator Name: Kansas Na	atural Gas Op	erating, Ir	ic.	Lea	se Name:	Stevens		. Well #: B-2			
Sec. 13 Twp. 30 S				Cou	nty: _Haske	ell			······································		
NSTRUCTIONS: Show im ested, time tool open and o emperature, fluid recovery, Electric Wireline Logs surve	closed, flowing and flow rate	g and shut s if gas to	-in pressures, surface test, a	whether llong with	shut-in pr	essure reached	static level, hydro	static pressur	res, botto	m hole	
Orill Stem Tests Taken (Attach Additional Sheets))	Y	es 📝 No	,		og Format	ion (Top), Depth a	nd Datum	✓	Sample	
Samples Sent to Geologica		⊘ Y	es 🗌 No		Nam	пе		Тор		Datum	
Cores Taken	·	Y	es 🗸 No		T-Pe	ermian		698'	:	2169'	
Electric Log Run (Submit Copy)		✓ Y	es 🗌 No		T-Bla	aine		1111'		1756'	
List All E. Logs Run:					B-St	one Corral		1784'		1083'	
-					1	ollenberg		2629'	2	238'	
(Dual - Spaced Ga	amma Ra	y Neutr	on)			errington		2658'		209'	
					T-Kr	ider		2682'	•	85'	
			CASING	DECOR) V V	Du	(contin	noep)			
		Repo				ew Used ermediate, produc	ction, etc.				
Purpose of String	Size Hole Drilled		e Casing (In O.D.)		/eight s. / Ft.	Setting Depth	Type of Cement	# Sacks Used		and Perc	ent
Surface Pipe 12	1/4"	8 5/8"		24 #		686' G.L.	Econocem Lite	350	3 % C	al. Chlo	ride
Production Pipe 7.7	7/8" ·	5 1/2"		15.5 #		2715' G.L.	Econocem Premiumj	425	3 % Ca	al. Chlor	ride
			ADDITIONAL	CEMEN	TING / SQI	UEEZE RECORI)		<u> </u>		
Purpose: —— Perforate —— Protect Casing —— Plug Back TD	Depth Top Bottom	Туре	of Cement	#Sac	ks Used		Type and Pe	ercent Additives	3		
Plug Off Zone											
Shots Per Foot	PERFORATION Specify I	ON RECOR	D - Bridge Plug Each Interval Per	s Set/Typ	De		cture, Shot, Cement		rd	Dep	oth
(4) Shot/P Foot 2660'	- 2670' KB			***************************************		Acid: 2400 G	allons of 15% FE-	MUD ACID			
2684'	-2692' KB		(96 - Holes)				s of 2% KCL. Flus			RECEI	VED
2702'	- 2708' KB		KB = 12'					KA	NSAS CO		
			,			Frac: Slicr-Wa	ater 20,000 # 16/3	0	JA	N 17	7 2008
						Premium Sar	nd @ 20 BBLS. P/	Minute Rate	CONS	ERVATIC	ON DIVISI
TUBING RECORD Si 2 3/8" EU	ize E. 8 Rd	Set At 2697' G.L	I	Packer None	r At	Liner Run	Yes ✓ No			WICHIT	
	ction. SWD or F	nhr.	Producing Met	nod	Flowin	g 🗸 Pumpi	ng Gas Lift	Othe	er (Explain		
Pending Pipeline Conne		1				J			oi (Expiaii)	/	1
Date of First, Resumerd Production Pending Pipeline Conne Estimated Production Per 24 Hours	ection	Bbls.		Mcf .	Wate			as-Oil Ratio	er (Explain	Gravit	ly
Pending Pipeline Conne Estimated Production Per 24 Hours	ection		NA	Mcf			bls. Ga		et (Explain		ly

DRILLING & GEOLOGICAL SUMMARY

Operator: Kansas Natural Gas G	athering, Inc.	Licer	nse Number: <u>32787</u>
			.i. #: <u>15 - 081 - 21761 -0000</u>
			/ SE Sec. 13 Twp. 30 S Rng. 32 W
			um: KB Depth: 2728 ' PBTD: 2720 '
Drilling Spud Date: <u>11 - 05 - </u>	2007_	Drilli	ing Completed Date: <u>11</u> - <u>07</u> - <u>2007</u>
Contractor: Trinidad Drilling LP	Rig	#_216_ Licer	ing Completed Date: <u>11</u> - <u>07</u> - <u>2007</u> nse Number: <u>33784</u>
			de: <u>J-55</u> Depth Set @: <u>698</u>
Equip. & Cement: 'texas' pattern s	hoe, baffle pla	ate, 3 centrali	zers, basket on #14 of 16.
200 sx of lead:	150 sx of tail	w/ 3% CC - 1	/4# Flo-Cele.
			Surface Hole Deviation: 3/4 degrees.
			de: <u>J-55</u> Depth Set @: <u>2728</u>
Equip. & Cement: guide shoe w/in	tegral latch-de	own baffle, 10) centralizers.
			150 sx w/ 1/4# Flo-Cele.
Circulated 44 sacks of cement to			
	the surface.		rotal Deptil Hole Deviation; degrees.
Open Hole Logs: <u>not run</u>		_ Cased Hole L	.ogs: G/R - DSN - CCL
Horizon	Depth (KB)	Datum	Remarks
T/PERMIAN	698	2169	
T/BLAINE	1111	1756	
B/STONE CORRAL	1784	1083	
T/HOLLENBERG	2629	238	
T/HERINGTON T/KRIDER	2658 2682	209	perforate 2660'-2670'
T/WINFIELD	2002	185	perforate 2684'-2692', 2702'-2708'
T/TOWANDA	: • .		
T/FORT RILEY	·	_	
T/COUNCIL GROVE			, 5200.000
RTD	2728	139	RECEIVED KANSAS CORPORATION COMMISSION
LTD	2720	147	WISAS CAPTURATION OF
PBTD	2720	147	JAN 1 7 2008
REFERENCE ELEVATION Perforations: 2660'-2670', 2684	2867 '-2692' , 2702	!'-2708' all v	CONSEDVATION DIVISION
Acid Treatment: 2405 gallons of	15% FF-MCA	may pressure	was 2281#, max rate was 7 BPM,
		max pressure	Was 2201#, Max rate was 7 BPM,
good ball action	with ball-off.		
Frac. Treatment: 20,887# of 16/3	30 sand, 258 l	bbls of treated	d water, 257,851 scf nitrogen. max
pressure was 11	05# may rat	e was 74 8 B	DM
\$1,99 <u>99110 1103 1</u> ,1	Wym, HIGA (αι	.5 Was 24.0 D	F.P.L.
Name: Kurt Osterbuhr	Signed: 🖊	****	Date: <u>01 - 05 - 2008</u>

Cementing Job Summary

					Tł	ne Road	to Ex	cellen	ce Sta	arts v	vith S	afety							! i	. i
Sold To #: 3	3032	33		Sh		#: 26105				ote #:				s	ales	Orde	r #: 54	1741	184	
Customer:			IATUF					<u></u>	Cus	tome	r Rep	: Lehr	ning, S							
Well Name:								: # B-2							I #: 1	5-081	-2176	1		\dashv
Field: HUG			C	ity (S	AP): {	SUBLET		Count		rish:	Haske	ell				Kans	~~~			\neg
Legal Desci											•		······································						:	
Contractor:					· · · · · · ·	Rig/Pla			≥/Nun	n: 16	,				·					\neg
Job Purpos		 		ace C	asing	<u> </u>								(c	EME	M Si	INCAS!	0,2	7	\dashv
Well Type: (Job Ty	pe: C	ement	Surfa	ice Ca	asing				C/nc	·· <u> </u>	dur	<u> Pupa</u>		\dashv
Sales Perso					1	Srvc St						1	MBU I	D Em	n #:	2254	09			\dashv
		<u></u>	,					Job Pe					-	-						
HES Emp	Nan	ne	Ехр Н	rs E	mp#	HES		Name		хр Нг	s Em	р#	HE	S Em	p Na	me	Exp I	Hrs	Emp	#
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LOPEZ, JUA Rosales	<i>₹N</i>		3	198	8514	WILLE,	DANIE	ELC	5	5	2254	409							:	
Rusales				L		L		Equi	pmer	nt										
HES Unit #	Dis	tance-	1 way	THE	S Unit	# Dist:	ance-1			S Unit	# F	lietano	e-1 wa	I L	IEG I	Jnit #	Die	4000	e-1 wa	
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Date	1	Hours	•	Operai Hour		Date	`	Hou			Hours		Val	e	Ui.	Hours		•	erating lours	,
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		是基础		Jol	Ď.									Job	Time	S			46.34	
Formation Na														Date		Tin	ne	Tim	ne Zone	<u> </u>
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Form Type					ВНЅТ						.ocatio		06 - N			21:			CST	
Job depth MD	<u> </u>		682.6 f	<u>t</u>		Depth TVE		682.			Starte		06 - N			01:0			CST	
Water Depth					Wk H	t Above F	loor	4.	ft		Compl		06 - N			01:			CST :	
Perforation D	eptn	(MD)	rom			То	L	14/oH	Dete		arted L	oc	06 - N	10V - Z	007	03:0	00		CST	-
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Surface Casin	g	New			8.625	8.097	24.		8 RD) (ST&	(C)	Unk	nown		-	700.				\dashv
Surface Hole						12.25										700.		\exists		
						Sa	les/R	ental/3	rd Pa	irty (F	IES)								ay sail	
					Descrip							Qty	Qty u	om	Dep	th	Su	iqqı	ier	
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SHOE, CSG, TI												0	E/			100			CEIVE ORATION	
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Cementing Job Summary

			Miscellar	reous Ma	terials						
Gellii	ng Agt	Conc	Surfactant		Conc	Acid	Туре	1	Qty	Conc	
Treat	ment Fld	Conc	Inhibitor		Conc	San	d Type		Size	Qty	
			FI	uid Data	25.5						
S	tage/Plug #: 1										
Fluid #	Stage Type	Flui	d Name	Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total M Fluid Ga	
1	Water Pre- Flush			0.00	bbl	8.33	.0	.0	6.0		
2	Lead Cement	ECONOCEM (TM)	SYSTEM (452992)	145.0	sacks	11.4	2.95	18.09	6.0	18.09	
	0.1 %	WG-17, 50 LB SK	3 SK (100003623)								
	3 %	CALCIUM CHLORI	DE - HI TEST PELLE	T (100005	053)						
	0.5 lbm	POLY-E-FLAKE (1	01216940)								
	18.09 Gal	FRESH WATER									
3	Tail Cement	HALCEM (TM) SY	STEM (452986)	150.0	sacks	14.8	1.34	6.32	6.0	6.32	
	2 %	CALCIUM CHLORI	DE - HI TEST PELLE	T (100005	053)						
	0.25 lbm	POLY-E-FLAKE (10	01216940)								
	6.324 Gal	FRESH WATER									
4	Water Displacement			0.00	bbl	8.33	.0	.0	6.0		
V	alculated Value	s Press	ures			V.	olumes			1000	
	cement	Shut In: Instan	t Lost F	Returns		Cement S	lurry		Pad		
	f Cement	5 Min	Ceme	nt Returns		Actual Di	splaceme	ent	Treatm	ent	
rac (Sradient	15 Min	Space	TO BOOK THE TOTAL STREET		Load and	Breakdov	vn	Total J	ob	
Circu	lating	Mixing		Rates Displac	ement			Avg. Jo	ob		
Cem	ent Left In Pipe	Amount 42 ft F	Reason Shoe Joint					7.19.0			
rac l	Ring # 1 @	ID Frac ring #	2@ ID	Frac Rin	g#3@	ID	F	rac Ring	#4@	ID	
TI	·	Stated Herein Is	Correct	ner Represe	ntative Sig	gnature	chning	<u>_</u>			

RECEIVED KANSAS CORPORATION COMMISSION

JAN 17 2008

CONSERVATION DIVISION WICHITA, KS

Summit Version: 7.20.130

Tuesday, November 06, 2007 02:25:00

Steven's 8-#2 85/8" Surface Ament Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 303233	Ship To #: 26105	04	Quote #:	Sales Order #: 5474184	:
Customer: KANSAS NATURAL	GAS OPERATING	G INC	Customer Rep: Le	ehning, Steve	
Well Name: Stevens	V	Nell #: # B-2		API/UWI #: 15-081-21761	•
Field: HUGOTON City	(SAP): SUBLETTE	E County	Parish: Haskell	State: Kansas	
Legal Description: Section 13	Township 30S Ra	ange 32W			:
Lat: N 0 deg. OR N 0 deg. 0 m	in. 0 secs.		Long: E 0 deg. O	R E 0 deg. 0 min. 0 secs.	:
Contractor: Cheyenne	Rig/Plat	form Name/	Num: 16		:
Job Purpose: Cement Surface	Casing			Ticket Amount:	
Well Type: Development Well	Job Typ	oe: Cement S	Surface Casing		•
Sales Person: HESTON, MYR	ON Srvc Su	pervisor: W	/ILLE, DANIEL	MBU ID Emp #: 225409	

Activity Description	Date/Time	Cht	Rate bbl/ min	The second secon	ume bl	The state of the s	sure sig	Comments
		#		Stage	Total	Tubing	Casing	
Call Out	11/05/2007 17:30							. !
Pre-Convoy Safety Meeting	11/05/2007 18:30							
Arrive At Loc	11/05/2007 21:15							RIG COMING OUT W/DP
Rig-Up Equipment	11/05/2007 21:17							PUT FLOAT EQUIPMENT ON CASING
Assessment Of Location Safety Meeting	11/05/2007 21:20					-N/FD	MOISS	:
Rig-Up Equipment	11/05/2007 21:30				REC ISAS CORPC	EIVED RATION COM	Mission	SPOT IN
Rig-Up Equipment	11/06/2007 00:40			KA	14.40	1 1 200	ſ	STAB CEMENT HEAD RIG CIRCULATES
Safety Meeting - Pre Job	11/06/2007 00:50				1	RVATION DIV	10:2.	,
Rig-Up Completed	11/06/2007 01:06							SWITCH CASING OVER TO PUMP TRUCK
Test Lines	11/06/2007 01:07							3500 PSI
Pump Spacer 1	11/06/2007 01:10		2	10			25.0	H2O
Pump Lead Cement	11/06/2007 01:14		4.5	76			75.0	145SK OF 11.4# SLURRY
Pump Tail Cement	11/06/2007 01:32		3.5	36			125.0	150SK OF 14.8# SLURRY
Drop Top Plug	11/06/2007 01:40							SHUT DOWN
Pump Displacement	11/06/2007 01:41		4.3	40.74			300.0	FRESH H2O
Other	11/06/2007 01:53		1.5	40.74			300.0	SLOW RATE LAST 10BBL

Sold To #: 303233

Ship To #:2610504

Quote #:

Sales Order #:

5474184

SUMMIT Version:

7.20.130

Tuesday. November 06. 2007 02:25:00

· Activity Description	Date/Time		bbl/ min	b	bl	ps ps	sig 🦠	Comments
		#		Stage	Total	Tubing	Casing	
Bump Plug	11/06/2007 01:56		1.5	40.74			400.0	UP TO 900 PSI
Check Floats	11/06/2007 01:57							HELD
End Job	11/06/2007 01:58							THANKS FOR CALLING HALLIBURTON DAN AND CREW!

(CIRCULATE BACK Apparaimately (28) SACKS OF CEMENT TO PIT)

GOOD CIRCULATION TO SURFACE

Sold To #: 303233

Ship To #:2610504

Quote #:

Sales Order #:

5474184

SUMMIT Version:

7.20.130

Tuesdav. November 06. 2007 02:25:00

RECEIVED KANSAS CORPORATION COMMISSION

JAN 17 2008

CONSERVATION DIVISION WICHITA, KS

HALLIEUPTON

CEMENT PRODUCTION CASING Cementing Job Summary

The Road to Excellence Starts with Safety

						e Koad I										
Sold To #:	3032	33		Ship	To #:	26105	04	C	luote #:	:			Sales	s Order	#: 5475	212
Customer	: KAN	SAS N	ATURA	L GAS	OPE	RATING	G INC) C	ustome	er Rep:	Lehn	ing, Steve	9			
Well Name								: # B-2	···					15-081-	21761	
Field: HU			Cit	v (SAP	n: St	JBLETT		County/	Parish:	Haskell				: Kansa		
Legal Des				-									75.00.00			
Contracto								n Name/N	16			· · · · · · · · · · · · · · · · · · ·				
							LIOIII	i Name/N	uiii. 10							· · · · · · · · · · · · · · · · · · ·
Job Purpo				cuon Ca			0	D		0						·
Well Type:		- • • • • • • • • • • • • • • • • • • •						ement Pro								
Sales Pers	on: h	HEST	N, MYF	RON	8	Srvc Su		isor: MC		, BRIA	N N	MBU ID E	mp #:	10600	9	
				T				Job Pers		···						<u>, i</u>
HES En		ne	Exp Hrs					Name	Exp Hr				mp Na		Exp Hrs	
ARCHULE MIGUEL A	:IA,		6.0	22638	31	BERUM	EN, E	DUARDO	6.0	2678	04 1	BROADFO	OOT, R	YAN	6.0	431899
HESTON,	MYRC	NE	6.0	10622	96	MCINTY	DE B	RPIANC	6.0	1060	na i					
				10022			TKL, U			1 1000					L	<u> </u>
1150 11-34 4	. 5.	4				T 5: 4		Equipn								<u> </u>
HES Unit # 10219237		tance- mile	1 way	HES U		30 mile			HES Uni			e-1 way		Unit #		ce-1 way
10219237					000	<u> </u>		'	0415642	: 30) mile		10866	0807	30 mile	
10897801	30	mile		6611U		30 mile	e 	L								
			 					Job Ho	····							
Date		Locati		perating	,	Date	-	On Location	on O _l	perating)	Date	Oı	n Locati	on O	perating
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VIAL Verantida	overies.	4:20 (A M. (A)	A WAS THE	Job	Merca.	1.252547474	1.50 K-13	100	ai is trie .	Sum or e	acn co	olumn sep			del criumpias.	Al between the
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Description Formation Formation	ing	Used	pressi	ure i 3 8.6	n	in 8.097	lbm/	/ft 8	Thread	kC)		own 7	ft	MD ft 700.	TVD	TVD
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Description Formation Formation	ing	Used New	pressi	ure i 8.6	n 325 .5	8.097 7.875 5.012	24.	/ft 8	RD (ST8	kC)	Unkn J-8	10wn 7	ft 00.	MD ft 700. 2780. 2780.	TVD ft	TVD ft
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Description Gurface Case Production Forduction asing HOE,GID,5- LUG ASSY,	ing fole -1/2 8F 3 WIP	New New RD R LTH-	pressi psig	9 8.6 5 Des	n 325 .5 cripti	8.097 7.875 5.012	24.	. 8 . 8	RD (ST8	kC)	Unkn J-5 Qty 1	Oty uom EA EA	ft 00.	MD ft 700. 2780. 2780.	TVD ft	TVD ft
Description Formula Control	ing fole -1/2 8F 3 WIP SY - 5-1	New New RD R LTH-	pressi psig	1/2 CSG	n 325 .5 cripti	8.097 7.875 5.012	24.	. 8 . 8	RD (ST8	kC)	Unkn J-8 Qty 1 1	Own 755 Qty uom EA EA EA	ft 00.	MD ft 700. 2780. 2780.	TVD ft	TVD ft
Description Surface Case Production For Production asing HOE, GID, 5-LUG ASSY, AFFLE ASSENTRALIZE	ing fole -1/2 8F 3 WIP SY - 5-1	New New RD R LTH-	pressi psig	1/2 CSG	n 325 .5 cripti	8.097 7.875 5.012	24.	. 8 . 8	RD (ST8	kC)	Unkn J-8 Qty 1 1 1 10	Own 755 Ctty uom EA EA EA EA	ft 00.	MD ft 700. 2780. 2780.	TVD ft	TVD ft
Description Surface Case Production For Production asing HOE,GID,5-LUG ASSY, AFFLE ASSENTRALIZE	ing fole -1/2 8F 3 WIP SY - 5-1	New New RD R LTH-	pressi psig	1/2 CSG	n 325 .5 cripti	8.097 7.875 5.012 Sa	14. 14. 18.	Rental/3	RD (ST&	AC) HES)	Unkn J-8 Qty 1 1	Own 755 Qty uom EA EA EA	ft 00.	MD ft 700. 2780. 2780.	TVD ft	TVD ft
Description Formulation Formulation Description Descri	ing Hole -1/2 8F 3 WIP EY - 5-1 ER ASS	New New RD R LTH- 1/2 8RC	pressi psig DWN,5	1/2 CSG	n 525 .5 cripti	8.097 7.875 5.012 Sa	14. 14. 18.	. 8 . 8	RD (ST&	AC) HES)	Unkn J-8 Qty 1 1 1 10	Own 755 Ctty uom EA EA EA EA	ft 00.	MD ft 700. 2780. 2780.	TVD ft	TVD ft
Description Formula Control Description D	ing fole -1/2 8F 3 WIP SY - 5-1	New New RD R LTH- 1/2 8RC	pressi psig	1/2 CSG	n 325 .5 cripti	8.097 7.875 5.012 Sa ion	14. 14. 18.	s and Acc	RD (ST&	RC) HES)	Unkn J-8 Qty 1 1 1 1 1 10 1	Own 755 Ctty uom EA EA EA EA	00. Dep	MD ft 700. 2780. 2780.	Supp	TVD ft
Description Surface Case Production For Production asing HOE,GID,5-LUG ASSY, AFFLE ASSENTRALIZE T,HALL WE Type uide Shoe	ing Hole -1/2 8F 3 WIP EY - 5-1 ER ASS	New New RD R LTH- 1/2 8RC	pressi psig DWN,5	1/2 CSG	n 325 .5 cripti	8.097 7.875 5.012 Sa ion	14. les/R	Rental/3 rd	Thread RD (ST8 RD (LT8 Party ()	RC) HES)	Unkn J-8 Qty 1 1 10 1	Own 755 Cape Cape Cape Cape Cape Cape Cape Cape	00. Dep	MD ft 700. 2780. 2780.	TVD ft	TVD ft
Description Surface Case Production For Production asing HOE, GID, 5-LUG ASSY, AFFLE ASSENTRALIZE T, HALL WE Type uide Shoe oat Shoe	ing Hole -1/2 8F 3 WIP EY - 5-1 ER ASS	New New RD R LTH- 1/2 8RC	pressi psig DWN,5	1/2 CSG	n 325 .5 cripti	8.097 7.875 5.012 Sa ion	14. les/R	Rental/3 rd	Thread RD (ST8 RD (LT8 Party ()	RC) HES)	Unkn J-8 Qty 1 1 1 10 1	Qty uom EA EA EA EA EA	00. Dep	MD ft 700. 2780. 2780.	Supp	ft slier
Description Surface Case Production For Production for Surface Case Production for Surface Case Production for Surface Case Production for Surface Case Surface	ing Hole -1/2 8F 3 WIP EY - 5-1 ER ASS	New New RD R LTH- 1/2 8RC	pressi psig DWN,5	1/2 CSG	n 325 .5 cripti	8.097 7.875 5.012 Saion Type Ker ge Plug	14. les/R	Rental/3 rd	Thread RD (ST8 RD (LT8 Party ()	RC) HES)	Unkn J-8 Qty 1 1 1 10 1 Top	Qty uom EA EA EA EA EA Plug om Plug	00. Dep	MD ft 700. 2780. 2780.	Supp	TVD ft
Description Formulation Formulation HOE,GID,5-LUG ASSY, AFFLE ASS ENTRALIZE IT,HALL WE	ing Hole -1/2 8F 3 WIP EY - 5-1 ER ASS	New New RD R LTH- 1/2 8RC	pressi psig DWN,5	1/2 CSG	n S25 .5 Cripti	8.097 7.875 5.012 Saion Type Ker ge Plug	14. les/R	Rental/3 rd	Thread RD (ST8 RD (LT8 Party ()	RC) HES)	Unkr J-8 Qty 1 1 1 10 1 Top Botts	Qty uom EA EA EA EA EA Plug	. 000 Dep	MD ft 700. 2780. 2780.	Supp	TVD ft

JAN 172008

Cementing Job Summary

			Miscellane	ous Mat	erials				268 L . 14	TAR MANAGEMENT	131
Gelling		Conc	Surfactant		Conc		Туре		Qty	Conc	%
	nent Fld	Conc	Inhibitor		Conc	Sand	d Type		Size	Qty	<u> </u>
		The Francisco	Flu	id Data							
S	tage/Plug #: 1								9-5801.	N. C.	
Fluid #	Stage Type	Fluid I	Name	Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk		Total M Fluid Ga	
1	Water Pre-Flush	1		0.00	bbl	8.33	.0	.0	6.0		
2	Mud Flush	MUD FLUSH - ZI - SI	BM (13383)	10.00	bbl	8.4	.0	.0	6.0		!
3	Lead Cement	ECONOCEM (TM) S'	YSTEM (452992)	275.0	sacks	11.4	2.89	17.8	6.0	17.8	<u>:</u>
	0.25 lbm	POLY-E-FLAKE (101	216940)								!
	0.1 %	WG-17, 50 LB SK (10	00003623)								
	17.804 Gal	FRESH WATER									
4	Tail Cement	HALCEM (TM) SYST	EM (452986)	150.0	sacks	14.8	1.33	6.25	6.0	6.25	<u>:</u>
	0.5 %	HALAD(R)-322, 50 LI	3 (100003646)								
	0.25 lbm	POLY-E-FLAKE (101	216940)								
	6.245 Gal	FRESH WATER									
5	Water Displacement			0.00	bbl	8.33	.0	.0	6.0		
Ca	alculated Values	s Pressu	res .			danas i magrapia as sumanagentum	olumes				
Displa	cement	Shut In: Instant	Lost Re		ļ	Cement S			Pad		
	Cement	5 Min		t Returns	.	Actual Di			Treatm		
Frac G	radient	15 Min	Spacer	V De CONTRACTOR CONTRACTOR	l With the second second	Load and	<u>Breakdo</u>)WN	Total J	ob	19.33
1			F	lates					13815.749		484
	lating	Mixing		Displac	ement	<u> </u>		Avg. Jo	ob	· · · · · · · · · · · · · · · · · ·	
	ent Left In Pipe		ason Shoe Joint	T=		1	 -	C Di	440	T ID	
Frac	Ring # 1 @	ID Frac ring # 2		Frac Rin		 	<u> </u>	Frac Ring	# 4 @	ID	
Tł	ne Information	Stated Herein Is		time.	<i>\(\psi \)</i>	gnature mung	לבאנ)7			

RECEIVED KANSAS CORPORATION COMMISSION

JAN 17 2008

CONSERVATION DIVISION WICHITA, KS

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 303233 Ship To #: 2610504 Quote #: Sales Order #: 5475212

Customer: KANSAS NATURAL GAS OPERATING INC Customer Rep: Lehning, Steve

Well Name: Stevens Well #: # B-2 API/UWI #: 15-081-21761

Field: HUGOTON City (SAP): SUBLETTE County/Parish: Haskell State: Kansas

Legal Description: Section 13 Township 30S Range 32W

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 DRILLING Rig/Platform Name/Num: 16

Job Purpose: Cement Production Casing Ticket Amount:

Well Type: Development Well Job Type: Cement Production Casing

Sales Person: HESTON, MYRON Srvc Supervisor: MCINTYRE, BRIAN MBU ID Emp #: 106009

Activity Description	Date/Time	Cht	Rate bbl/	\$17.56 C. 1 (Co.) (C.)	ume bi	The second second	sure sig	Comments
		#	min	Stage	Total	Tubing	Casing	
Call Out	11/07/2007 09:00		ACCOUNTS.	and the second			**************************************	
Safety Meeting - Service Center or other Site	11/07/2007 10:00							
Arrive At Loc	11/07/2007 12:30							
Assessment Of Location Safety Meeting	11/07/2007 12:35							i
Other	11/07/2007 12:45							RIG RUNNING 5 1/2 CASING
Safety Meeting - Pre Rig-Up	11/07/2007 13:00							
Rig-Up Equipment	11/07/2007 13:10				RECE!	JON COMMIS	3/04	
Rig-Up Completed	11/07/2007 14:00			KANSI	I MAR	1 60	1	
Casing on Bottom	11/07/2007 15:10				CONSER	ATION DIVISI CHITA, KS	OM.	
Circulate Well	11/07/2007 15:15				Vis.			WITH RIG
Safety Meeting - Pre Job	11/07/2007 15:50							!
Test Lines	11/07/2007 15:56							TEST LINES 2000 PSI
Pump Spacer 1	11/07/2007 15:58		5.5		10		210.0	10 BBLS FRESH WATER
Pump Spacer 2	11/07/2007 16:02		5.5		10		180.0	10 BBLS MUDFLUSH
Pump Lead Cement	11/07/2007 16:08		5		142		214.0	275 SKS ECONOCEM @ 11.4#GAL
Pump Tail Cement	11/07/2007 16:30		4		36		90.0	150 SKS HALCEM @ 14.8#GAL
Clean Lines	11/07/2007 16:40							TO PIT

Sold To #: 303233

Ship To #:2610504

Quote #:

Sales Order #:

5475212

SUMMIT Version:

7.20.130

Wednesday, November 07, 2007 05:18:00

Cementing Job Log

Activity Description	Date/Time	Cht	Rate t bbl/ min	企作的证明的标准	ume bl	Pres ps	sure ilg	Comments
		#		Stage	Total	Tubing	Casing	
Drop Top Plug	11/07/2007 16:44							3 WIPER LATCH DOWN
Pump Displacement	11/07/2007 16:45		5.5		65		110.0	FRESH WATER
Cement Returns to Surface	11/07/2007 16:55		5.5		65		300.0	23.6 BBLS CIRCULATED TO PIT 44 SACKS
Other	11/07/2007 16:59		2		65		350.0	SLOW RATE
Bump Plug	11/07/2007 17:04		2		65		1375. 0	500 PSI-1375 PSIFINAL LANDING PRESSURE
Check Floats	11/07/2007 17:05							FLOAT HELD
End Job	11/07/2007 17:06							; <u> </u> . !
Safety Meeting - Pre Rig-Down	11/07/2007 17:10							-
Rig-Down Equipment	11/07/2007 17:15							
Rig-Down Completed	11/07/2007 18:00							
Safety Meeting - Departing Location	11/07/2007 18:30							

RECEIVED KANSAS CORPORATION COMMISSION

JAN 17 2008

CONSERVATION DIVISION WICHITA, KS

Sold To #: 303233

Ship To #:2610504

Quote #:

Sales Order #:

5475212

SUMMIT Version:

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Wednesday, November 07, 2007 05:18:00