CONFIDENTIAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION RIGHTS RIG

Form ACO-1 October 2008

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #33168	API No. 15 - 007-23440-0000
Name: WOOLSEY OPERATING COMPANY, LLC	Spot Description: 110' S of SW SW
Address 1: 125 N. Market	N2 _S2 _SW _SW _Sec28 _Twp33 _sR10 East / West
Address 2: Suite 1000	Feet from North / South Line of Section
City: Wichita State: KS zip: 67202 +	Feet from East / 📜 West Line of Section
Contact Person: DEAN PATTISSON, OPERATIONS MANAGER	Footages Calculated from Nearest Outside Section Corner:
Phone: (316) 267-4379 (ext. 107)	□NE □NW □SE ☑SW
CONTRACTOR: License # 30606 CONFIDENTIA	County: BARBER
Name: MURFIN DRILLING CO., INC. NOV 0 5 2009	Lease Name: SPICER C G.U. Well #: 2
	Field Name: SPICER
Wellsite Geologist: BILLY G. KLAVER Purchaser: PLAINS MARKETING / BLUESTEM GAS MARKETING	Producing Formation:
Designate Type of Completion:	Elevation: Ground: 1437 Kelly Bushing: 1448
New Well Re-Entry Workover	Total Depth: 5100 Plug Back Total Depth: 4981
✓ Oil SWD SIOW	Amount of Surface Pipe Set and Cemented at: 222 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
CM (Coal Bed Methane) Temp. Abd.	If yes, show depth set: Feet
Dry Other	If Alternate II completion, cement circulated from:
(Core, WSW, Expl., Cathodic, etc.)	feet depth to: w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator: n/a	Drilling Fluid Management Plan ALT NJU-2402 (Data must be collected from the Reserve Pil)
Well Name:	
Original Comp. Date: Original Total Depth:	Chloride content: 23,000 ppm Fluid volume: 1800 bbls
Deepening Re-perf Conv. to Enhr Conv. to SWD	Dewatering method used: Haul free fluids and allow to dry
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Docket No.:	Operator Name: WOOLSEY OPERATING COMPANY, LLC
Dual Completion Docket No.:	Lease Name: HARBAUGH 2 License No.: 33168
Other (SWD or Enhr.?) Docket No.:	Quarter Sec. 32
07/13/2009 07/20/2009 08/11/2009	County: BARBER Docket No.: D - 30,333
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workover or of side two of this form will be held confidential for a period of 12 months if re	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information quested in writing and submitted with the form (see rule 82-3-107 for confidence) report shall be attached with this form. ALL CEMENTING TICKETS MUST form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulate are complete and correct to the best of my knowledge.	the oil and gas industry have been fully complied with and the statements herein
Signature:	KCC Office Use ONLY
Title: Dean Pattisson, Operations Manager Date: November 5, 2009	Letter of Confidentiality Received
Subscribed and sworn to before me this5th day ofNovember	, If Denied, Yes Date:
20 09 .	Wireline Log Received RECEIVED
Notary Public: Albak Clergan DE	Geologist Report Received NOV 0 6 2009
Date Commission Expires: March 27, 2010	ATE OF KANSAS
My Apr	x Exp. <u>3-27-10 </u> ΛΟΟ ΥΥΙΟΠΙ [Α

Operator Name: W	OOLSEY OPERAT	ING COMPANY, LL	<u>-C</u> Lease i	Name: _	SPICER C G	i.U.	_ Well #: 2	Π	HIAGO
Sec. 28 Twp. 3	33 S. R. 10	☐ East	County	:	BARBER		#JFN: i	1 1 ,	IIIIUU
time tool open and clo recovery, and flow rat	osed, flowing and shut	base of formations pen in pressures, whether s t, along with final chart(port.	hut-in pres	sure read	ched static level,	hydrostatic pres	sures, bottom	hole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional	· .	✓ Yes No		 ✓L	og Formation	n (Top), Depth a	nd Datum	s	Sample
Samples Sent to Geo		☑ Yes ☐ No		Nam Chase	-		Top 1774		Datum 326
Cores Taken Yes V No				Douglas			3621	- :	2173
Electric Log Run (Submit Copy)		V yes □ No		Hertha			4330		2882
				Missis	ssippian		4562	- ;	3114
List All E. Logs Run:	Neutron Density			Viola	√iola		4883		- 3435
	Dual Induction Cement Bond			Simp	son		4989 - 3		3541
,	- Cement Bond			Arbud	ckle		DNP		
		CASING Report all strings set-	RECORD	✓ Ne		on etc			-
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weig Lbs.	ght	Setting Depth	Type of Cement	# Sacks Used		and Percent
Surface	14 3/4"	10 3/4"	32#	/ft	222	Class A	225	2% gel, 3% cc	
Production	7 7/8"	4 1/2"	10.5#	/ft	5023	60/40 poz	50	4% gel, 1/4# Flosea 10% salt,10% Gypseal, Floseal, 6# Kolseal, Cla & .8% FL160	
	The state of the s		<u> </u>	· · · · · · · · · · · · · · · · · · ·		Class H	225		
		ADDITIONAL	CEMENTI	NG / SQU	EEZE RECORD			a.0% FL	100
Purpose: Perforate Protect Casing Plug Back TD	Type of Cement	pe of Cement #Sacks Used			Type and I	Percent Additive	S		
Plug Off Zone							· .		
Shots Per Foot		N RECORD - Bridge Plug potage of Each Interval Per				cture, Shot, Cemen		rđ	Depth
4	Perf Miss zone 4568'-4600' ACID: 3800 gal 10% MIRA						4562' -		
2	Perf Miss zone	4562'-68', 4610'-2	20' & 462	26'-40'	FRAC: 67,0	000# 30/70 s	sd, 12,000#	16/30	4600' OA
·					sd, 10,800	0# 16/30 res	in coated s	d.	
		·	·		Carry w/ 2	2,333 bbl trea	ated fr wtr	S .	
					1,182,000	scf N2 (35 o	quality)		
TUBING RECORD:	Size: 2 3/8"	Set At: 4702'	Packer At	:	Liner Run:	Yes 🗸 No			
Date of First, Resumed 08/26/20	Production, SWD or Enh	r. Producing Meth	_	Flowing	Pumpin	g 🔲 Gas Li	ft Oth	er (Explain)	
Estimated Production Per 24 Hours	Oil B 22	bls. Gas	Mcf	Wate	er Bb 180	ols.	Gas-Oil Ratio 1590 : 1		Gravity 23.6
DISPOSITI	ON OF GAS:		METHOD OF	COMPLE	_	mingled	PRODUCTION 4562' - 46		AL:
(If vented, Su	bmit ACO-18.)	Other (Specify)	THE R. P.	AMERO	Á				

Mail to: KCC - Conservation Division, 130 S. Market Room 2078, Wichita, Kansas 67202

ALLIEF CEMENTING CO., LLC. 34377

	REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665	SER	SERVICE POINT: Medicine Lodge 7-4-09 2-44-09			
	DATE 7-13-09 SEC. TWP. RANGE 10W	CALLED OUT	ON LOCATION	7-14-09 JOB START 2:16AM	JOB FINISH 2!45 Am	
• .	LEASE Spicer WELL# C LOCATION TY-City OLD OR (NEW) Circle one) Ninto	Rd & Kochia I	_	COUNTY Barber	STATE KS.	
	CONTRACTOR MUTAN 20	OWNER Wa	olsev Opera	 iting		
	TYPE OF JOB Surface HOLE SIZE 1434 T.D. 225 CASING SIZE 1034 DEPTH 322 TUBING SIZE DEPTH	CEMENT	DERED 225	~	c+2% Gel	
	DRILL PIPE DEPTH TOOL DEPTH PRES. MAX 300 MINIMUM 100	COMMON	225	@ <u>15.4</u>	3,474,25	
	MEAS. LINE SHOE JOINT 20' CEMENT LEFT IN CSG. 20' Per GISTOMEY Request.	POZMIX	4	_ @ _ 50' &D _ @	3.20	
ONFIDEN NOV 0 5 20	2.01 2.10 2.11 / GO 3 / GI	ASC		@ @	<u>Ц(5.40</u>	
KCC	PUMP TRUCK CEMENTER G/eg G. # 372 HELPER DOWN F. BULK TRUCK # 364 DRIVER Scort P.			÷		
	BULK TRUCK # DRIVER	HANDLING _ MILEAGE	7.25 225		540.00 337.50	
	REMARKS: Pipe on Bottom, Black Circulation, Pump cement-2255x A322, SOUTHWAS STOUT Diff, See lift, Diff with 1944 BBS Fresh when, Shutin, Cement Circulated to Suffice		SERVI	TOTAL	4,902.55	
	WELL FILE	DEPTH OF JO PUMP TRUCK	CHARGE		18.00	
And the second s	Regulatory Correspondence Drig→Comp Workevers Tests / Meters Operations	EXTRA FOOT MILEAGE MANIFOLD _	1.5	5 @ 7.00 - @	105.00	
	CHARGE TO: Wookey Operating			TOTAL	1/23.00	
. Š	CITYSTATEZIP_RECEIVED		PLUG & FLOA	T EQUIPMEN	NT .	
í.	NOV 0 6 200	$\frac{1}{\sqrt{ATA}}$	n Ne_			
	To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was			@ @ TOTAL		
	done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (I			*	
	PRINTED NAME A MKE THARP	DISCOUNT	ton.	IF PAI	D IN 30 DAYS	
	SIGNATURE MADE STORY		#	A comment of the comm		
	*Thank You *					

ALLIED CEMENTING CO., LLC.

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665

Thank You

SERVICE POINT:

Medicine Lodge

	DATE 7-21-09	SEC.	TWP.	RANGE 10W	CALLED OUT	0	N LOCATION	JOB START 3.30 pm	JOB FINISH 4.30 pm.
	LEASESPICES	WELL#		LOCATION Tricity		. ,		COUNTY Barber	STATE KS.
	OLD OR NEW Cir		- 40.0°	LOCATION INCINY	ka 8 habila	<u> </u>	DJ 707 IIIO	DAL DEA	<u></u>
	OLD ORGALITY CIT	icic one)	······································	<u> </u>				J	
	CONTRACTOR M				OWNER	woolse	1 Opelati	19	
	TYPE OF JOB	duction		C1000	— CEMEN	, 	,		
	HOLE SIZE 778	וחרש		<i>5100</i> тн <i>5023.75</i>	_ CEMEN	NT PT (ADDE)	יים אל מבום מבום מבום מבום מבום מבום מבום מבום	40:4+X4 # FL	oseri.
	TUBING SIZE	103	DEP		AMOUN	iless #+	10% Gur-sed:	+10859H+6	Ekd-senl +
• .	DRILL PIPE		DEP		.850 FL-16	0 + 14 F	oseri		
	TOOL		DEP		v=		-1 4		
v.,i	PRES. MAX 26	000	MIN	IIMUM 100		DN	C1955#9	15@ 12.45	495,25
•	MEAS. LINE CEMENT LEFT IN	CSC II	SHC	DE JOINT 41.96	POZMIX GEL		30	@ <u>8.00</u>	240.00
	PERFS.	C30. 7	1/14		_ GEL _ CHLORI	IDE		_@ <u></u>	77.00
	DISPLACEMENT	793/4	د کالک	18 KCL Water	ASC				
CONFIDENTIAL			JIPMENT		Class	<u>s H</u>			3,748.75
					Gaye-	Sen	<u>مر</u>	_@ <i>25.2c</i>	La13.20
NOV 0 5 2009	PUMP TRUCK (CEMENT	ER Grea	G.	- Salt - Flo:	C I		@ 72.00 @ Z. 50	140,00
_		HELPER	One barre	f	- FI-10				2247.70
KCC	BULK TRUCK		_ 0	•	0100		9	@ <i>31,25</i>	281.25
	# I BULK TRUCK	DRIVER	Swer V.	Isey Operating (ICT)	Clas	267	/350	0@ 189	1201.50
	DODK INCCK	DRIVER	Appı	roved 5				· @	77.00
		DIG V DI	Date	- X/2X/07-	— HANDL MILEAC		3001	20/./0	720.00
		DE	MARKS:	,	MILLEAC	JE			10,83725
	0				٧.			IOIAL	1-101-
	Pilcon Borrom, Brook of Prosent, Ruy Cement - 6	COCC L DIE	The Ke Com	0686-303860140.4+ 0681-72584411111	<u> </u>		SERVI	CIE.	
	STOL WALL WASH FUMP	over levre Oxtines Rek	esse plus. Sta	in hich. See him	22 ₎ 		ODKVI		
	Slow Rate, Bomp Alug	Floor 1	reld , l	SUR WITH 7874 A	DEPTH	of Job <u></u>	D24		
	190 KCL WATER.			a to again plant	PUMP T		HARGE		85,00
•					EXTRA	FOOTAG	E	_@_ 	140.00
Q###*				•					140.00
								@ <u>N/C.</u>	
								@	-
	CHARGE TO: Was	lsev Ope	18-479						. .
		, .	•					TOTAL	<u>2305.00</u>
	STREET								
was the second of the second	CITY	ST	ATE	PECEMEN	- <u>41/2</u>	PLU	JG & FLOAT	EQUIPMEN	IT
			T.	Ponne					
			,	MON 0 8 5000	AFU Pla	ar shoe		@205.	w 205.00
				Tillo	A Lock De	own Ass		_ ~	0 145.00
•	To Allied Cement	ing Co.,	LLC.	CC MICHI	Turboli 2			@ <u>31.80</u>	1780 00
	You are hereby re	quested	to rent cent	lenting equipment	Scrarch	e/3	32	_@_ 55.6 \$ @	- 1 100,00
	and furnish cemer					<u> </u>			
				ne above work was	3			ΤΩΤΔΙ	2735.60
	done to satisfaction				r			101/12	
•	contractor. I have			on the reverse sid		ΓΑΧ (If A	ny)		<u></u>
•	I EKINIS AIND CC	אוווטאיי	משופוו פרני	on the reverse sid	E.	CHARGE		Contract of the Contract of th	
,			. مد. د	40.			jon .	9 7)	
	PRINTED NAME	r Wik	r THA	M. H	_ DISCOU	JNT		IF PAI	D IN 30 DAYS
			1	0 —					> `
	SIGNATURE X	MA	X C		_		-		