Confidentiality Requested: Yes No

## KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1236558

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

### WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
OG   GSW   Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:      Dual Completion Permit #:	Dewatering method used:
Dual Completion         Permit #:           SWD         Permit #:	Location of fluid disposal if hauled offsite:
ENHR         Permit #:	Location of huid disposal if hadred offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Permit #:

#### AFFIDAVIT

I am the affiant and I hereby certify that 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.

## Submitted Electronically

KCC Office Use ONLY						
Confidentiality Requested						
Date:						
Confidential Release Date:						
Wireline Log Received						
Geologist Report Received						
UIC Distribution						
ALT I II III Approved by: Date:						

	Page Two	1236558
Operator Name:	Lease Name:	Well #:
Sec TwpS. R   East  West	County:	
INCTRUCTIONS. Chow important tang of formations ponetrated	Datail all aaroa Baparta	Il final appiae of drill atoms toots giving interval tootad, time tool

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		-	on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	Yes No	Name	9		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD Ne		ion, 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 / SQU	EEZE RECORD			
Purpose:	Denth	<b>T</b> (0)			<b>T</b> 11		

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Off Zone				

No

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

No	(If No, skip questions 2 and 3)
No	(If No, skip question 3)

(If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated							ement Squeeze Record I of Material Used)	Depth	
TUBING RECORD:	Si	ze:	Set At:		Packe	r At:	Liner R		No	
Date of First, Resumed	I Product	ion, SWD or ENHF	<b>?</b> .	Producing N	/lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:			METHOD OF COMPLETION:		PRODUCTION INTE	RVAL:				
Vented Sold Used on Lease				Open Hole	Perf.	Uually (Submit )	V Comp. Commingled ACO-5) (Submit ACO-4)			
(If vented, Su	bmit ACC	D-18.)		Other (Specify)	)			()		

Form	ACO1 - Well Completion
Operator	C5 Energy LLC
Well Name	Hartzell 47
Doc ID	1236558

Tops

Name	Тор	Datum
DOUGLAS	5	938
LITTLE SALT	544	399
BIG SALT	766	177
DRUM	904	39
REDD	926	17
LENAPAH	1110	-167
WAYSIDE	1120	-176
ALTAMONT	1172	-229

Form	ACO1 - Well Completion
Operator	C5 Energy LLC
Well Name	Hartzell 47
Doc ID	1236558

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
SURFACE	11	8.625	24	48	REG	8	
LONGSTR ING	6.75	4.5	11.6	1184	CLASS A	140	2% GEL



CEMENT FIELD TICKET AND TREATMENT REPORT

ustomer	C-5 Energy	State, County	Chautaugua , Kansas	Cement Type		CLASS A
		Section	unautauqua , Nansas	Excess (%)	1	50
b Type	Long String				-	
stomer Acct #		TWP	-	Density	-	14
ell No.	Hartzell #47	RGE	-	Water Required	-	7.9
ailing Address		Formation		Yelld	-	1,74
ty & State		Tubing		Sacks of Cement		140
p Code		Drill Pipe		Slurry Volume		43.3 bbl
ontact		Casing Size	4 1/2" (11.60#)	Displacement		18.3
nail		Hole Size	6 3/4"	Displacement PSI		300-1000
all		Casing Depth	1184'	MIX PSI		300
and the second s	BARTLESVILLE	Hole Depth	1164	Rate	-	4 bpm
spatch Location		And address in this other, to be a first strength of the	10.1		-	4 upin
ode	Cement Pump Charges and Mileage	Quantity	Unit	Price per Unit	-	
5401	CEMENT PUMP (2 HOUR MAX)	1	2 HRS MAX	\$1,085.00	S	1,085.0
5402	FOOTAGE	1184	PER FOOT	\$0.23	\$	272.3
5406	EQUIPMENT MILEAGE (ONE-WAY)	40	PER MILE	\$4.20	\$	168.0
5407	MIN. BULK DELIVERY (WITHIN 50 MILES)	1	PER LOAD	\$368.00	\$	368.0
5621	4 1/2 INCH PLUG CONTAINER	1	PER UNIT	\$215.00	S	215.0
0		and the second	0	\$0.00	\$	
0			0	\$0.00	\$	
0	a construction of the second se	4	0	\$0.00	\$	
0			0	\$0.00	5	-
CONTRACTOR OF	and the second se	All the life		EQUIPMENT TOTAL	5	2,108.3
	Cement, Chemicals and Water	No U.				
1126	WC. CEMENT (CAL SEAL) 5% OWC. 2% CAL CLORIDE 2% GE	140	0	\$19,75	\$	2,765.0
1126 1107A		80	0	\$1.35	\$	108.0
	PHENOSEAL	850	0	\$0.46	\$	391.0
1110A	KOL SEAL (50 # SK)	900	0	\$0.39	5	351.0
1111	GRANULATED SALT (50#) SELL BY #	900	TOTAL	au.34	5	3,615.0
0						
0		1	DISCOUNT	30%	5	(1.084.5
0		11.2	0	\$0.00	\$	
0		a second de la companya de la	0	\$0.00	5	
0			0	\$0.00	\$	
0		and the set	0	\$0.00	\$	-
0	and the second se	1	Û	\$0.00	5	+
0		AND STOPPY 1	0	\$0.00	\$	
0		1	0	\$0.00	\$	
1123	CITY WATER (PER 1000 GAL)	4200	Per 1000 Gal	\$17.30	\$	72.6
10000	More reactive and a second	the second second	16	Chemical Total	5	2,603.1
	Cement Water Transports					
5501C	WATER TRANSPORT (CEMENT)	4	TER TRANSPORT (CEME	\$120.00	\$	480.0
0	that an interest of the mention		0	\$0.00	\$	-
0		1-1-2	0	\$0.00	\$	-
				Transports Total	_	480.0
				Transports Total	Þ	400.0
	Cement Floating Equipment (TAXABLE)	000000000000000000000000000000000000000				In Allen
	Cement Basket					and the second second
0		and the second s	0	\$0.00	\$	
1	Centralizer		1	110		
4129	CENTRALIZER 4 1/2 "	4	PER UNIT	\$44.00	\$	176.0
0	and the second		0	\$0.00	S	-
	Float Shoe			Alexandra and a second s	100	100 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (
4156	FLOAT SHOE 4 1/2" (FLAPPER)	1	PER UNIT	\$238.00	\$	238.0
	Float Collars	all you what we want the	and a second second second second second		and the second second	
0			0	\$0.00	\$	
a man de la companya	Guide Shoes	and the second s	and the second se	and the second	1000	A DAY OF THE REAL
0		ALC: NOT THE OWNER OF	0	\$0.00	S	-
	Baffle and Flapper Plates	12	Sector and a sector and	Service Street Street	in'	In the second second
0			0	\$0.00	\$	
274.1	Packer Shoes		1		-	
0	r anna an anna an		0	\$0.00	\$	2
	DV Tools			99.99		the second second
0			0	\$0.00	\$	
	Ball Valves Swedges Clamps, Misc.			00.00		-
	bail valves, owedges, Gamps, Mac	-		80.00	\$	
0			0	\$0.00		-
0			0	\$0.00	\$	-
0			0	\$0.00	\$	+
	Plugs and Ball Sealers			11	-	1
4404	4' 1/2" RUBBER PLUG	1	PER UNIT	\$47,25	\$	47.2
the second s	Downhole Tools			and the second s	-	
0		And the second second	0	\$0.00	\$	-
and the second second	and the second		CEMENT FLOATING E			461.2
TRUCK#	DRIVER NAME		0			5,652.7
577	Kirk Sanders		8,15%			254.3
419	James Ness			TOTAL		5,907.0
	Jeff Fildes / Eli		5%		_	282.6
551						E 0044/
551	Nunneley's TP		DISC	OUNTED TOTAL	5	5,624.4

AUTHORIZATION

DATE

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TIFLE ander FOREMAN

LACKNOWLEDGE THAT THE RAYMENT TERMS, UNLESS SPECIFICALLY AMENDED IN WRITING ON THE FROM OF THE FORM OR IN THE CUSTOMER'S ACCOUNT RECORDS, AT OUR OFFICE, AND CONDITIONS OF SERVICE ON THE BACK OF THIS FORM ARE IN EFFECT FOR SERVICES IDENTIFIED ON THIS FORM.

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Idob Type         Long String         Section         0         Excess (%)         50           Customer Acct #         0         TWP         0         Density         14           Well No.         Hartzeil #47         RGE         0         Water Required         7.9           Mailing Address         0         Formation         0         Yeild         1.74           City & State         0         Tubing         0         Sacks of Cement         140           City & State         0         Drill Pipe         0         Sacks of Cement         140           City & State         0         Drill Pipe         0         Slumy Volume         43.3 bb           Contact         0         Casing Size         4 1/2" (11.60#)         Displacement         18.3           Email         0         Casing Depth         1184'         MIX PSI         300-100           Celf         0         Casing Depth         1184'         MIX PSI         300           Displatch Location         BARTLESVILLE         Hole Depth         0         Rate         4 bpm	Customer	C-5 Energy	State, County	Chautauqua , Kansas	Cement Type	CLASS A
Dustomer Acct #         0         TWP         0         Density         14           Nell No.	lob Type		Section		Excess (%)	50
Addition Address     O     Formation     O     Yelid     1.74       City & State     O     Tubing     O     Sacks of Cement     140       City & State     O     Drill Pipe     O     Slurry Volume     43.3 bb       Contact     O     Casing Size     41/2" (11.60#)     Displacement     18.3       Email     O     Casing Depth     1184*     MIX PSI     300-100       Setter     Description     Rate (bpm)     Volume (bbl)     Pressure     Notes       Time:     Description     Rate (bpm)     Volume (bbl)     Pressure     Notes       Image:     Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:     Image:     Image:     Image:     Image:     Image: <t< td=""><td>Customer Acct #</td><td></td><td>TWP</td><td>0</td><td>Density</td><td>14</td></t<>	Customer Acct #		TWP	0	Density	14
Ataliang Address         0         Formation         0         Yeild         1,74           City & State         0         Tubing         0         Sacks of Cement         140           City & State         0         Drill Pipe         0         Sacks of Cement         140           City & State         0         Drill Pipe         0         Skurry Volume         43.3 bit           Contact         0         Casing Size         # 1/2" (11.60#)         Displacement PSI         300-100           Semail         0         Hole Size         6.3/4"         Displacement PSI         300-100           Cell         0         Casing Depth         1184'         MIX PSI         300           Displatch Location         BARTLESVILLE         Hole Depth         0         Rate         4 bipm           Time:         Description         Rate (bpm)         Volume (bbl)         Pressure         Notes           Image:         Image:         Image:         Image:         Image:         Image:         Image:           Image:         Description         Rate (bpm)         Volume (bbl)         Pressure         Notes           Image:         Image:         Image:         Image:         Image:         <	Well No.	Hartzeil #47	RGE	0	Water Required	7.9
City & State         0         Tubing         0         Sacks of Cement         140           City Code         0         Drill Pipe         0         Slurry Volume         43.3 bb           Contact         0         Casing Size         4 1/2" (11.60#)         Displacement         18.3           Email         0         Hole Size         6 3/4"         Displacement PSI         300-100           Cell         0         Casing Depth         1184"         MIX PSI         300           Displactch Location         BARTLESVILLE         Hole Depth         0         Rate         4 bpm           Time:         Description         Rate (bpm)         Volume (bbl)         Pressure         Notes           Image:         Description         Rate (bpm)         Volume (bbl)         Pressure         Notes           Image:         Description         Rate (bpm)         Volume (bbl)         Pressure         Notes           Image:         Description         Rate (bpm)         Volume (bbl)         Image:         Image:           Image:         Description         Rate (bpm)         Volume (bbl)         Image:         Image:           Image:         Description         Image:         Image:         Image:	Mailing Address		Formation	0	Yeild	1.74
Dip Code         0         Dirit Pipe         0         Slury Volume         43.3 bb           Contact         0         Casing Size         4 1/2" (11.60#)         Displacement         18.3           Email         0         Hole Size         6 3/4"         Displacement PSI         300-100           Delt         0         Casing Depth         1184'         MiX PSI         300           Displatch Location         BARTLESVILLE         Hole Depth         0         Rate         4 bpm           Time:         Description         Rate (bpm)         Volume (bbl)         Pressure         Notes           Image:         Description         Rate (bpm)         Volume (bbl)         Pressure         Notes           Image:         Description         Rate (bpm)         Volume (bbl)         Pressure         Notes           Image:         Image:         Image:         Image:         Image:         Image:         Image:           Image:         Image:         Image:         Image:         Image:         Image:         Image:           Image:         Image:         Image:         Image:         Image:         Image:         Image:         Image:         Image:           Image:	City & State		Tubing	0	Sacks of Cement	140
Ontact         O         Casing Size         A 1/2" (11.60H)         Displacement         18.3           Email         0         Hole Size         6.3/4"         Displacement PSI         300-100           Cell         0         Casing Depth         1184"         MIX PSI         300           Displace Location         BARTLESVILLE         Hole Depth         0         Rate         4 bpm           Time:         Description         Rate (bpm)         Volume (bbl)         Pressure         Notes           Image:         Description         Rate (bpm)         Volume (bbl)         Pressure         Notes           Image:	Zip Code		Drill Pipe		Slurry Volume	43.3 bbl
Email         0         Hole Size         6.3/4"         Displacement PSI         300-100           Cell         0         Casing Depth         1184'         MIX PSI         300           Displact Location         BARTLESVILLE         Hole Depth         0         Rate         4 bpm           Time:         Description         Rate (bpm)         Volume (bbl)         Pressure         Notes           Image:	Contact	0	Casing Size	4 1/2" (11.60#)	Displacement	18.3
Cealing Depth     1184'     MIX PSI     300       Dispatch Location     BARTLESVILLE     Hole Depth     0     Rate     4 bpm       Time:     Description     Rate (bpm)     Volume (bbl)     Pressure     Notes       Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:     Image:     Image:     Ima	Email	0	Hole Size		Displacement PSI	300-1000
Dispatch Location     BARTLESVILLE     Hole Depth     0     Rate     4 bpm       Time:     Description     Rate (bpm)     Volume (bbl)     Pressure     Notes       Image:     Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:     Image:       Image:     Image:	Cell		Casing Depth	1184'	MIX PSI	300
Time:     Description     Rate (bpm)     Volume (bbl)     Pressure     Notes       Image: Ima	Dispatch Location		Hole Depth	0	Rate	4 bpm
Amount of Cement Left in Casing       Remarks:			Rate (bpm)	Volume (bbl)	Pressure	Notes
Remarks:						
Remarks:	Amour	t of Cement Left in Casing				1
Established circ., ran 140sx of Class "A" cement w/ 6% OWC, 2% gel, 2% calcium, 6# kol seal, 10% salt, .40# pheno @ 14 ppg. Flushed pump and lines, dropped plug			Remarks:		THUR DOLLAR	
	Established circ., rar	140sx of Class "A" cement w/ 6% OWC, 2%	gel, 2% calcium, 6# kol seal, 1	10% salt, .40# pheno @ 14 pp	g. Flushed pump and lines	, dropped plug
and displaced 18.3 bbl to land. Landed plug @ 1000#, plug held. Circulated cement to surface, shut in and washed up.		and displaced 18.3 bbl to land. Landed p	lug @ 1000#, plug held. Circu	lated cement to surface, shut	in and washed up.	
	Sacon nor		unter en de		and the second	
	ALL THE DAY	LC IC III CARTY III	Mexical with the			
	a a constant of	Course a Atlanta material				25 HULL
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SOLD TO

Hughes Lumber Co #6

246 S. Osage

918-534-1335 Dewey, OK 74029

CASH SALE

6207253211



"Our promise is to lighten your load with dependable, responsive, knowledgeable, professional, and friendly service,"

SHIP TO

CASH SALE

AL	COUNT #	CUST	OMER P.O#		TERMS	ORDER	20	ORDER DATE	SLSMN	INVOICE#	INVOICE DATE
06	CASHS					60162	2318	10/23/14	BLA6	60141332	10/23/14
OR	DERED	B/0	SHIPPED	U/M		DESCRIPTION	l			RICE	AMOUNT
1	35	0	The second s		CEMENT PORTLA					0.740	375.90
Ĩ			1		PORT						
					Warehouse : H	ughes Lumber (	Co #5	(6)	1		
TH	E INV	ICE TOT	AL OF 4	ф7.8	HAS BEEN RED	UCED BY THE FO	DLLOW:	ING PAYMENT	:s:		
DB	SCRIP	TION	REFE	RENCI	S/CHECK #	AUTH	CODE	DATE	AMOUNT	¢ .	
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REFUND POLICY:

MERCHANDISE CAN BE RETURNED FOR CREDIT WITHIN 30 DAYS WHEN ACCOMPANIED BY THIS RECEIPT, MERCHANDISE MUST BE IN RESALEABLE CONDITION, WE CANNOT ACCEPT RETURNS FOR BROKEN CARTON QUANTITIES OF ANY ITEM. CUSTOMER COPY