Confidentiality Requested: Yes No

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

1237546

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:
Gas D&A ENHR SIGW	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:
SWD Permit #:	
ENHR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East West
Recompletion Date Reached TD Recompletion Date of 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 Iwo	1237546
Operator Name:		Lease Name:	Well #:
Sec TwpS. R	East West	County:	

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 Taker (Attach Additional		Yes No	L	og Formatio	n (Top), Depth and	d Datum	Sample
Samples Sent to Geo		Yes No	Nam	Э		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c			on, 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 / SQL	EEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing							
Plug Off Zone							
Did you perform a hydra	ulic fracturing treatment of	on this well?		Yes	No (If No, skip	questions 2 an	nd 3)
Does the volume of the t	otal base fluid of the hyd	raulic fracturing treatment ex	ceed 350,000 gallons'	? Yes	No (If No, skip	question 3)	
Was the hydraulic fracture	ring treatment information	n submitted to the chemical o	lisclosure registry?	Yes	No (If No, fill o	out Page Three o	of the ACO-1)
	PERFORATIO	ON RECORD - Bridge Plug	s Set/Type	Acid Fra	ture Shot Cement	Squeeze Becord	4

Shots Per Foot	t Specify Footage of Each Interval Perforated						l of Material Used)	Depth		
TUBING RECORD: Size: Set At: Packer At:				r At:	Liner F		No			
Date of First, Resumed	Producti	on, SWD or ENHF	l.	Producing Me	ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	S.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI				1	METHOD	OF COMPLE	TION		PRODUCTION INTE	
Vented Solo		Jsed on Lease		Open Hole	Perf.	Dually (Submit A	Comp.	Commingled (Submit ACO-4)		
(If vented, Su	bmit ACO	-18.)		Other (Specify)				. ,		



TICKET NUMBER

FIELD TICKET REF #
FOREMAN Despress Gamer
AFE/4010 /
SSI
API 15-133-27758-00-00

211 W. 14TH STREET, ← CHANUTE, KS 66720 620-431-9500

TREATMENT REPORT & FIELD TICKET CEMENT

DAIE		WELL N	AME & NUMB	ER	SECTION	TOWNSHIP	RANGE	COUNTY
7/24/14	Grosdict	er, Franc	13 15-3	Э				
FOREMAN/ OPERATOR	TIME IN	TIME OUT	less Lunch	TRUCK #	TRAILER #	TRUCH	20 Ka	MPLOYEE GNATURE
Dearrol Chaney	4:45	10:00		933375	9334HS	B.25	D	unt
/								
JOB TYPE Long St		SIZE		HOLE DEPTH	(0' CAS	SING SIZE & W	EIGHT	18
CASING DEPTH 603	275 DRILL	PIPE		TUBING				
SLURRY WEIGHT		RY VOL		WATER gal/sk		NENT LEFT IN C	ASING	
DISPLACEMENT 3.5				MIX PSI				
REMARKS: CICH	letal to	Scortage.	- Ren	a 2 Suck	del Su	cen -1	an two	
REMARKS: CFICU DDI Spines Dling Curd	before	Starting	(eman)	- Dumper	CEMENT	to Surs	face - la	whicha
- plug and	set al	: 250 p	Sib	<i>V</i> - <i>V</i>				
The Cener	1 Stor	tel to	Feel	back wh	le KWS	Wers	Chen	
up. They					off before	WR 1	novel d	n

ACCOUNT CODE	QUANTITY OR UNITS	DESCRIPTION OF SERVICE OR PRODUCT	TOTAL AMOUNT
	KAOV F	Foreman Pickup	
KWS	1	Cement Pump Truck	
KWS.	(Bulk Truck	
833375/	A	Transport Truck	
933445	Ì	Transport Trailer	
		80 Vac	
	•	Casing Truck	
		Casing Trailer	
E.	603,2-75	Casing	
	5	Centralizers	
	1	Float Shoe	
	14	Wiper Plug	
	0	Frac Baffles	
	69 Suchs	Portland Cement	
	130 16	CSA–122 Sodium Silicate	
	3216	CGL-115 Cement Fluid Łoss	
	2 Sucks	Premium Gel	
54 1	13016	Cal Chloride	
10 <u>-</u>		City Water	1
	6 16	Chemthix-P Thixotropic	
1 a.	694 16	KOL Seal	
		Cotton Seed Hulls	

10

McPhers	on Drilling	J LLC		Drillers Log			McPhers	on Drilling	ġ ELC
Rig Number:	2			S. /	T. 28	R. 20	Gas Tests:		
	133-1	2775	<u>ج</u>	County:	2				
	161.6	Elev. 9	24	Location: 52	SALINSE	ESE			
L					100-0-				
Operator: 701	TRock	Milo		ent Fredu	1 tin	110			
Address: AK	Tower			AR STE	275	\overline{D}			
	COK	73			<u></u>				
Well No: 15	-33			e Name: Grave	didie				
Footage Locati			0.75) ft. from the	(N) (S)	Line			
rootage cocan			1001			Line			
Delling Contend				illing LLC	<u> </u>	Linv			
Drilling Contract Spud date: 7	11. 14	MUPHER		Geologist:					
Date Completed	7/2/17	22.2.		Total Depth:	Lint				
toate completed	- 1721	17		1 Arot Prohiti	<u>uju</u>	السيني			
Casing Record				Rig Time:	*				
	Surface	Productio	n .		sun pe	sel			
Size Hole:	97/81	51/2	¢″	1/	11				
Size Casing:	1-10-	27	8		·····				
Weight:	DF		8						
Setting Depth:	201	1000)						
Type Cement:	Port	1-0-00	C						
Sacks:	4		•						
•					Well Log	ł	· ·	. .	
Formation	Top	Btm.		Formation	Тор	Btm.	Formation	Тор	Btm.
SOI ILAN	0	15	ſ				·		
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shall		76	1						
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Spale	45	76 106 108 175				· · · · · · · · · · · · · · · · · · ·			
shale	45	108							
shale lime	45 66 108 175 171	108					· ·		
shale lime shale	177	108					· ·		
Shale , limo Shale Lime	175 1777 181	64 175 175 171 181 229 26							
Shale lime Shale Shale	175 1777 181 229	64 175 175 171 181 229 26							
Shale June Shale Shale Lyme	175 177 181 229 268	646 108 175 177 181 229 238 297							
Shale June Shale Shale Lime Shale	177 177 181 229 248 272	66 108 175 177 181 229 26 297 301							
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