

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1183733

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:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
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:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No 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 Plug Back Conv. to GSW Conv. to Producer Commingled Permit #: Dual Completion Permit #: SWD Permit #:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite:
☐ ENHR Permit #: ☐ GSW Permit #:	Operator Name:
Connection Connection	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec. Twp. S. R. East West 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



Operator Name:				_ Lease I	Name: _			Well #:		
Sec Twp	S. R	East	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in press o surface test, along v	ures, whe	ther shut-in pre chart(s). Attach	ssure reac extra shee	hed stati	c level, hydrosta space is neede	tic pressures, b	ottom hole temp	erature, fluid recov	
Final Radioactivity Lo files must be submitted						ogs must be ema	liled to kcc-well-	logs@kcc.ks.go	v. Digital electronic	
Drill Stem Tests Taker (Attach Additional		Y	es No			J	on (Top), Depth		Sample	
Samples Sent to Geo	logical Survey	Y	es No		Nam	е		Тор	Datum	
Cores Taken Electric Log Run			es No							
List All E. Logs Run:										
				RECORD	Ne					
	0: 11.1					ermediate, product		" 0 1	T 15	
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and Percer Additives	
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks	# Sacks Used Type and Percent Additives					
Perforate Protect Casing	Top Dottom									
Plug Back TD Plug Off Zone										
1 lug 0 li 20 lio										
Did you perform a hydrau	ulic fracturing treatment	on this well	?			Yes	No (If No, s	skip questions 2 a	nd 3)	
Does the volume of the t			-		-		_ ` `	skip question 3)		
Was the hydraulic fractur	ing treatment informatio	n submitted	to the chemical of	disclosure re	gistry?	Yes	No (If No, 1	ill out Page Three	of the ACO-1)	
Shots Per Foot			RD - Bridge Plug Each Interval Perl				cture, Shot, Ceme	nt Squeeze Recor	rd Depth	
						(* *			200	
TUBING RECORD:	Size:	Set At:		Packer A	t·	Liner Run:				
		0017111				[Yes N	o		
Date of First, Resumed	Production, SWD or EN	HR.	Producing Meth	nod:	g 🗌	Gas Lift (Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio	Gravity	
DIODOCITI	01.05.040			4ETUOD 05	. 00145/	TION:		DDOD! ICT!		
DISPOSITION Solo	ON OF GAS: Used on Lease		N Open Hole	∥ETHOD OF Perf.			nmingled	PRODUCTION	ON INTERVAL:	
	bmit ACO-18.)		Other (Specify)		(Submit		mit ACO-4)			



CEMENTING LOG

Data 13/1	7/2012 Dict	rict Libora	1#21 Tie	kat Na	053130	CEMENT DATA
	AMERI			ket No.		Spacer Type 10 BBL FRESH WATER Amt. Sks Yield ft*/sk Density PPG
Lease	N	EELEY	We	ll No	8	
County	N FI	NNEY			cs	
						LEAD: Time hrs. Type ALC2A
Field						3%CC, 1/4 # FLOSEAL, .2% SA51 Excess
Casing Data	Conducto	г Прта	Пѕ	queeze	∏ Misc.	Amt. 400 Sks Yield 1.97 ft³/sk Density 12.4 PPG
	Surface	☐ Interme	ediate P	roduction		TAIL: Time hrs. Type CLASS A
Size 8				24 Collar		3% CC, 1/4 # FLOSEAL Excess
	,					3% CC, 1/4 # FLOSEAL Excess Amt. 200 Sks Yield 1.18 ft³/sk Density 15.6 PPG
						WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total BBLS
						TOTAL LEGG GU/SK TUIL GU/SK TOTAL GU/SK
Casing Dent	hs Top	Aug 1900 Aug	Bottom	1111	59	Pump Trucks Used: 549 - 550
Casing Dept	TOP					Bulk Equipment 562 - 528
						774 - 744
						774
Drill Pipe:	DDIC/	LINI ET	1.18	I. FT/BBL		
Open Hole:	DDLS/	LIN. FT	LIN	. FT/DDL		Float Equipment: Manufacturer WEATHERFORD
The second		3 (t) 3 (1) 1		I. FT/BBL		Shoe: Type REGULAR GUIDE SHOE Depth 1111.59
	ctors: BBLS/	LIN. FT	OC3C LIN	I. FT/BBL I. FT/BBL		Float: Type AFU INSERT FLOAT Depth 1069.53
Casing			.0030 LIN	. FI/BBL		Controlling Overtity 3 Phys. Ten. 1 Pattern
	BBLS/		LIN	I. FT/BBL		Centralizers: Quantity 3 Plugs Top 1 Bottom
Drill Pipe	BBLS/	LIN. FI	LIN	I. FT/BBL		Stage Collars
Annulus	BBLS/	LIN. FT 0	.0735 LIN	I. FT/BBL		Special Equipment
	BBLS/	LIN. FT	LIN	I. FT/BBL		Disp: Fluid Type FRESH WATER Amt 68 bbls Weight 8.33 PPG
Perforations	From	ft	to	ft Am		Mud Type Weight
COMPANY	REPRESENTAT	TIVE				CEMENTER KIRBY HARPER
CONTAINT	KERKESENTAI					CLIMICATION EX
TIME	DRESSI	IRES PSI	FIL	JID PUMPED	DATA	
THVIL	DRILL PIPE		TOTAL	PUMPED PER	RATE	REMARKS
AM/PM	CASING	ANNULUS	FLUID	TIME PERIOD	BBLS/MIN	MAN COMMON ANALYSIA
2030						ON LOCATION SPOT AND RIG UP
1230						CASING ON BOTTOM — BREAK CIRCULATION
1245						SAFETY MEETING
0109	2000					PRESSURE TEST
0111	100			10	6	START PUMPING 10 BBL FRESH WATER
0118	100			140	6	START MIXING 400 SK ALWC2A @ 12.4 PPG
0141	100			42	6	START MIXING 200 SK CLASS A @ 15.6 PPG
0159						SHUT DOWN DROP TOP PLUG
0204	100	156	0		6	START DISPLACING WITH FRESH WATER
0217	500		58		2	SLOW RATE
0222	500-1000		68			BUMP PLUG
0224	1000-0					RELEASE PRESSURE FLOATS HELD
			80			CIRCULATE CEMENT TO SURFACE
-		-	-	1		
	-			+		
					+	
	-				-	
	-	-	-	+	-	
	-			+		
	-			-	-	
				-	1	
			-		-	
				-		
1	1	1	1	1	1	

BLEEDBACK

1000 PSI

PSI

500

FINAL DISP. PRESS

BUMP PLUG TO

0.25

BBLS

THANK YOU



CEMENTING LOG

Date 13/37/2	013 District	ibaral # 21	Tielest No.	F3044	CEMENT DATA	
Company	2013 District 1 American W			52044 Duke #9	Spacer Type Amt. Sks Yield ft³/sk Density	PPG
Lease	Neeley	unio.	Well No	8	Trysk belisty	110
County			State	KS		-
Location					LEAD: Time hrs. Type 60/40 4%gel 1/4flo	
Field					Excess	
	그리다 얼마나 맛있다면 그를 그 없다.	PTA Intermediate	☐ Squeeze ☐ Production	☐ Misc.	Amt. 170 Sks Yield 1.4 ft³/sk Density 14.1 TAIL: Time hrs. Type	PPG
Size 8 5/8	8 Type	Wei	ght 24 C	Collar	Excess	
					Amt. Sks Yield ft³/sk Density	PPG
					WATER Lead 6.7 Gal/sk Tail Gal/sk Total E	BBLS
Casing Depths	Тор	Вс	ottom	1750	Pump Trucks Used: 549-550 Bulk Equipment 869-841	
Drill Pipe:	BBLS/LIN. FT		LIN. FT/BBL		-	
Open Hole:	BBLS/LIN. FT		LIN. FT/BBL		Float Equipment: Manufacturer	
Capacity Factor	s: BBLS/LIN. FT		LIN. FT/BBL		Shoe: Type Depth	
Casing	BBLS/LIN. FT	Silve to later to	LIN. FT/BBL		Float: Type Depth	
Open Holes	BBLS/LIN. FT		LIN. FT/BBL		Centralizers: Quantity Plugs Top Bottom	
Drill Pipe	BBLS/LIN. FT	Market Sales a	LIN. FT/BBL		Stage Collars	
Annulus	BBLS/LIN. FT		LIN. FT/BBL		Special Equipment	
	BBLS/LIN. FT		_ LIN. FT/BBL		Disp: Fluid Type Amt bbls Weight	PPG
Perforations	From	_ft to	ft	Amt	Mud Type Weight	-
COMPANY REPR	RESENTATIVE _				CEMENTER Aldo Espinoza	

TIME	PRESSU	JRES PSI	FLUID PUMPED DATA					
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLS/MIN	REMARKS		
12:30pm						On location at 12:30pm		
1:32pm	150		10		3	H2O water ahead total of 10 bbls		
1:35pm	150		12.4		3	12.4 bbls of slurry of cement total of 50sk plug		
1:42pm	100		25		4	Displacemet of 25 bbls with mud		
						plug balanced out and broke off for rig to pull drill pipe out to 1150'		
2:15pm	200		25		4	Cleaning out hole with 25 bbls of h2o		
2:25pm	150		12.4		4	Mixing another 50sk @1150ft 12.4 Slurry		
2:29pm	100		13		3	Displacement of 13bbls displacement		
2:38pm						plug balance and broke off to pull drill pipe to 60'		
3:25pm	80		10		4	Pumping 10bbls ahead		
3:27pm	50		5		3	20sk plug 5bbl slurry intil you see cement to surface		
3:35pm	50		7.5		3	30sk plug on the Rat hole pump intel cement to surface		
3:45pm	50		5		3	20ak plug on the Mouse hole pump intel cement to surface		
	-					washing up to pit all done		
						Rigging down		
				-				
						Leaving location at 4:30pm		

FINAL DISP. PRESS.	PSI	BUMP PLUG TO	PSI	BLEEDBACK	BBLS	THANK YOU