Confidentiality Requested: Yes No

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

1233636

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.xxxx) (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:
Gas D&A ENHR SIGW	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 #:	Leastion of fluid diapopal if hould offeite:
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 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	1233636
Operator Name:	Lease Name:	Well #:
Sec TwpS. R □ East □ West	County:	
INCTRUCTIONS. Show important tang of formations panatrated	Dotail all cores Report all	final conject of drill stoms tasts giving interval tasted, 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 Sho	Il Stem Tests Taken Yes No (Attach Additional Sheets)			og Formatio	n (Top), Depth an	d Datum	Sample	
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum	
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
			RECORD Ne					
		Report all strings set-	conductor, surface, inte	ermediate, producti	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 / SQU	JEEZE RECORD				
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives		
Protect Casing								
Plug Off Zone								

Did you norform a hydroydia fi	reaturing treatment.	an this well?		Yes	No	(If No
Did you perform a hydraulic fu Does the volume of the total b	0		and 250 000 college			(II NO
Was the hydraulic fracturing t	,	6	, 8	Yes		(II NO
was the hydraulic fracturing t		In submitted to the chemical of	lisciosure registry?	les		(11 100

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

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

Shots Per Foot		PERFORATION Specify For		RD - Bridge Plu Each Interval P		0e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner R	·	No	
Date of First, Resumed	Product	ion, SWD or ENHF	۲.	Producing Me	ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DIODOOITI	<u></u>			~						
DISPOSITI	ı 🗌 t	Used on Lease		Open Hole	Perf.	OF COMPLE	Comp.	Commingled (Submit ACO-4)	PRODUCTION INT	ERVAL:
(If vented, Su	bmit ACC	)-18.)		Other (Specify)						

Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	KIRKBRIDE A 2 OWWO
Doc ID	1233636

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
PRODUC TION	7.875	5.5	15.5	4523	60/40	50	
PRODUC TION	7.875	5.5	15.5	4523	CLASS H	-	SEE ATTACH ED

#### **\*\*CELLS WITH BLUE BACKGROUND ARE THE ONLY CELLS TO BE EDITED\*\***

Fracture Start Date/Time:	9/18/14 9:52	
Fracture End Date/Time:	9/18/14 12:07	
State:	Kansas	
County:	Barber	
API Number:	15-007-20196-0001	(e.g. XX-XXX-XXXX-0000)
Operator Name:	WOOLSEY OPERATING	
Well Name:	Kirkbride A 2 OWWO	
Federal Well:		
Longitude:	-98.6386126	
Latitude:	37.2413864	
Long/Lat Projection:	NAD27	
True Vertical Depth (TVD):	0'	
Total Clean Fluid Volume* (gal):	379,176	

Additive	Specific Gravity	Additive Quantity	Mass (lbs)	
Water	1.00	379,176	3,164,224	gal
Sand (Proppant)	2.65	215,200	215,200	lb
Plexcide B7	1.33	20	222	gal
Plexcide B7	1.33	20	222	gal
Plexgel Breaker XPA	1.03	65	559	gal
Plexset 730	0.90	138	1,036	gal
Plexset 730	0.90	138	1,036	gal
Plexsurf 580 ME	0.95	93	737	gal
Plexsurf 580 ME	0.95	93	737	gal
Plexslick 957	1.11	282	2,612	gal
Claymax	1.09	185	1,683	gal
Plexgel 907L-EB	1.04	226	1,961	gal
Plexgel 907L-EB	1.04	226	1,961	gal
Plexgel 907L-EB	1.04	226	1,961	gal
Plexgel 907L-EB	1.04	226	1,961	gal
Plexgel 907L-EB	1.04	226	1,961	gal
Plexgel Breaker 10L	1.10	3	28	gal
				gal
				gal
			Total Slurry Mass (Lbs)	0
			3,398,103	
			5,570,105	
	Maximum Ingredient		Maximum Ingredient	
Chemical Abstract Service	Maximum Ingredient Concentration in	Mass per		Commente
Chemical Abstract Service Number (CAS #)			Maximum Ingredient	Comments
	Concentration in Additive	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid	Comments
Number (CAS #)	Concentration in	Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Number (CAS #) 732-18-5	Concentration in Additive (% by mass)**	Component (LBS) 3,164,224	Maximum Ingredient Concentration in HF Fluid	Comments
Number (CAS #) 732-18-5 4808-60-7 / 238-878-4	Concentration in Additive (% by mass)** 100.00%	Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)** 93.11735%	Comments
Number (CAS #) 732-18-5 4808-60-7 / 238-878-4 310-73-2	Concentration in Additive (% by mass)** 100.00% 99.90%	Component (LBS) 3,164,224 214,985	Maximum Ingredient Concentration in HF Fluid (% by mass)** 93.11735% 6.32661%	Comments
Number (CAS #) 732-18-5 4808-60-7 / 238-878-4 310-73-2 VA	Concentration in Additive (% by mass)** 100.00% 99.90% 4.99% 0.00%	Component (LBS) 3,164,224 214,985 11	Maximum Ingredient Concentration in HF Fluid (% by mass)** 93.11735% 6.32661% 0.00033% 0.00000%	Comments
Number (CAS #) 732-18-5 4808-60-7 / 238-878-4 310-73-2 NA 722-84-1	Concentration in Additive (% by mass)** 100.00% 99.90% 4.99%	Component (LBS) 3,164,224 214,985 11 0	Maximum Ingredient Concentration in HF Fluid (% by mass)** 93.11735% 6.32661% 0.00033%	Comments
Number (CAS #) 732-18-5 4808-60-7 / 238-878-4 310-73-2 NA 722-84-1 77-56-1	Concentration in Additive (% by mass)** 100.00% 99.90% 4.99% 0.00% 7.00%	Component (LBS) 3,164,224 214,985 11 0 39 518	Maximum Ingredient Concentration in HF Fluid (% by mass)** 93.11735% 6.32661% 0.00033% 0.00000% 0.000115%	Comments
Number (CAS #) 7732-18-5 4808-60-7 / 238-878-4 310-73-2 NA 7722-84-1 57-56-1 Vixture	Concentration in Additive           (% by mass)**           100.00%           99.90%           4.99%           0.00%           7.00%           50.00%	Component (LBS) 3,164,224 214,985 11 0 39	Maximum Ingredient Concentration in HF Fluid (% by mass)** 93.11735% 6.32661% 0.00033% 0.00000% 0.000115% 0.01155% 0.01525% 0.01830%	Comments
Number (CAS #) 7732-18-5 4808-60-7 / 238-878-4 310-73-2 NA 7722-84-1 57-56-1 Mixture 57-56-1 57-56-1	Concentration in Additive           (% by mass)**           100.00%           99.90%           4.99%           0.00%           7.00%           50.00%           60.00%	Component (LBS) 3,164,224 214,985 11 0 39 518 622	Maximum Ingredient Concentration in HF Fluid (% by mass)** 93.11735% 6.32661% 0.00033% 0.00000% 0.000115% 0.01525%	Comments
Number (CAS #) 732-18-5 4808-60-7 / 238-878-4 310-73-2 VA 722-84-1 7-56-1 Aixture 7-56-1 11-76-2	Concentration in Additive (% by mass)** 100.00% 99.90% 4.99% 0.00% 7.00% 50.00% 60.00% 10.00% 50.00%	Component (LBS) 3,164,224 214,985 11 0 39 518 622 74	Maximum Ingredient           Concentration in HF           Fluid           (% by mass)**           93.11735%           6.32661%           0.00033%           0.00000%           0.00115%           0.01525%           0.01830%           0.00217%           0.01085%	Comments
Number (CAS #) 1732-18-5 4808-60-7 / 238-878-4 310-73-2 NA 1722-84-1 17-56-1 Mixture 17-56-1 11-76-2 11-76-2 11-76-2 14742-47-8	Concentration in Additive (% by mass)** 100.00% 99.90% 4.99% 0.00% 7.00% 50.00% 60.00% 10.00% 50.00% 25.00%	Component (LBS) 3,164,224 214,985 11 0 39 518 622 74 369	Maximum Ingredient Concentration in HF Fluid (% by mass)** 93.11735% 6.32661% 0.00033% 0.00000% 0.00115% 0.01525% 0.01830% 0.00217% 0.01085% 0.01922%	Comments
Number (CAS #) 1732-18-5 4808-60-7 / 238-878-4 310-73-2 NA 1722-84-1 17-56-1 11-76-2 11-76-2 11-76-2 11-78 NA	Concentration in Additive (% by mass)** 100.00% 99.90% 4.99% 0.00% 7.00% 50.00% 60.00% 10.00% 50.00% 25.00% 0.00%	Component (LBS) 3,164,224 214,985 11 0 39 518 622 74 369 653 0	Maximum Ingredient Concentration in HF Fluid (% by mass)** 93.11735% 6.32661% 0.00033% 0.00000% 0.00115% 0.01525% 0.01830% 0.00217% 0.01085% 0.01922% 0.00000%	Comments
Number (CAS #) 7732-18-5 4808-60-7 / 238-878-4 310-73-2 NA 7722-84-1 57-56-1 Mixture 57-56-1 11-76-2 54742-47-8 NA 4742-47-8	Concentration in Additive (% by mass)** 100.00% 99.90% 4.99% 0.00% 50.00% 50.00% 60.00% 10.00% 50.00% 25.00% 0.00% 50.00%	Component (LBS) 3,164,224 214,985 11 0 39 518 622 74 369 653 0 981	Maximum Ingredient           Concentration in HF           Fluid           (% by mass)**           93.11735%           6.32661%           0.00033%           0.00000%           0.00115%           0.01525%           0.01830%           0.00217%           0.01922%           0.00000%           0.002886%	Comments
Number (CAS #) 1732-18-5 4808-60-7 / 238-878-4 310-73-2 NA 1722-84-1 57-56-1 Mixture 57-56-1 11-76-2 54742-47-8 NA 4742-47-8 NDA	Concentration in Additive           (% by mass)**           100.00%           99.90%           4.99%           0.00%           7.00%           50.00%           60.00%           100.00%           25.00%           0.00%           50.00%           25.00%           0.00%           20.00%	Component (LBS) 3,164,224 214,985 11 0 39 518 622 74 369 653 0 981 39	Maximum Ingredient Concentration in HF Fluid           (% by mass)**           93.11735%           6.32661%           0.00033%           0.00000%           0.00115%           0.01525%           0.01830%           0.00217%           0.01085%           0.01922%           0.00000%           0.02886%           0.00115%	Comments
Number (CAS #)           7732-18-5           14808-60-7 / 238-878-4           1310-73-2           NA           7722-84-1           57-56-1           Mixture           57-56-1           111-76-2           54742-47-8           NA           54742-47-8           NDA           44808-60-7	Concentration in Additive           (% by mass)**           100.00%           99.90%           4.99%           0.00%           7.00%           50.00%           60.00%           100.00%           25.00%           0.00%           50.00%           25.00%           0.00%           50.00%           0.00%           0.00%           0.00%           0.00%           0.00%           0.00%           0.00%           0.00%           0.00%           0.00%	Component (LBS) 3,164,224 214,985 11 0 39 518 622 74 369 653 0 981 39 1	Maximum Ingredient Concentration in HF Fluid           (% by mass)**           93.11735%           6.32661%           0.00033%           0.00000%           0.00115%           0.01525%           0.01830%           0.00217%           0.01922%           0.00000%           0.0155%           0.01955%           0.01085%           0.01952%           0.00000%           0.00000%           0.00000%           0.00000%           0.00000%           0.00000%           0.00000%           0.00000%	Comments
	Concentration in Additive           (% by mass)**           100.00%           99.90%           4.99%           0.00%           7.00%           50.00%           60.00%           100.00%           25.00%           0.00%           50.00%           25.00%           0.00%           20.00%	Component (LBS) 3,164,224 214,985 11 0 39 518 622 74 369 653 0 981 39	Maximum Ingredient Concentration in HF Fluid           (% by mass)**           93.11735%           6.32661%           0.00033%           0.00000%           0.00115%           0.01525%           0.01830%           0.00217%           0.01085%           0.01922%           0.00000%           0.02886%           0.00115%	Comments

Ingredients Section:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (I
Water	Operator	Carrier/Base Fluid	Water	7732-18-5	100.00%	3,164,224
Sand (Proppant)	Uniman	Proppant	Crystalline Silica in the form of Quartz	14808-60-7 / 238-878-4	99.90%	214,985
Plexcide B7	Chemplex	Biocide	Sodium Hydroxide	1310-73-2	4.99%	11
Plexcide B7	Chemplex	Biocide	Alkaline Bromide Salts (non-hazardous)	NA	0.00%	0
Plexgel Breaker XPA	Chemplex	Slickwater Breaker	Hydrogen Peroxide	7722-84-1	7.00%	39
Plexset 730	Chemplex	Activator	Methanol	67-56-1	50.00%	518
Plexset 730	Chemplex	Activator	Alcohol Ethoxylates	Mixture	60.00%	622
Plexsurf 580 ME	Chemplex	Product Stabilizer	Methyl Alcohol	67-56-1	10.00%	74
Plexsurf 580 ME	Chemplex	Product Stabilizer	2-Butoxyethanol	111-76-2	50.00%	369
Plexslick 957	Chemplex	Friction Reducer	Petroleum Hydrotreated Light Distillate	64742-47-8	25.00%	653
Claymax	Chemplex	Clay Stabilizer	No Hazardous Ingredient	NA	0.00%	0
Plexgel 907L-EB	Chemplex	Gelling Agent	Distillates, Hydrotreated Light	64742-47-8	50.00%	981
Plexgel 907L-EB	Chemplex	Gelling Agent	Organophylic Clay	NDA	2.00%	39
Plexgel 907L-EB	Chemplex	Gelling Agent	Crystalline Silica	14808-60-7	0.06%	1
Plexgel 907L-EB	Chemplex	Gelling Agent	Alcohol Ethoxylates	34398-01-1	1.00%	20
Plexgel 907L-EB	Chemplex	Gelling Agent	Guar Gum	9000-30-0	50.00%	981
Plexgel Breaker 10L	Chemplex	Breaker/Gel	No Hazardous Ingredient	NA	0.00%	0

# ALLIED OIL & GAS SERVICES, LLC 063153 Federal Tax I.D. # 20-8651475 AUG 2 7 2014 SERVICE POINT:

REMIT TO P.O. BOX 93999

	DATE 8-9-14	SEC. 21	TWP 32	RANGE 12	CALLED OUT	10 (11	LOCATION	JOB START 950 AM	JOB FINISH	
	LEASE KIRK BRIDD	WELL#	A-2. 0000	LOCATION	ANT LODAT TO		NOVE HULD	COUNTY	STATE	
	OLDOR NEW (Ci	rcle one)	<u>,                                    </u>	1.3 5 TO RD	ENCIL E 3/10	15	INTO		Note -	
	CONTRACTOR	Core sell	. 3					-		
	CONTRACTOR /			<u> </u>	OWNER	WOULS	507	· · · · · · · · · · · · · · · · · · ·	. in	
	HOLE SIZE 7	1/8	T.D.		CEMENT		00	a seas st	10	
	CASING SIZE	5/2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u>TH 4/523</u>				60'AD 4'		
	TUBING SIZE		DE	<u>ฑ๚</u> ฑ๚	<u></u>	1455 F	1 1073 67 1/4" Fl	PSEAL 6"	<u>sait</u>	
	TOOL		DEI	ТН	,,,,,,,,,,,,,,,,,,,,,,,,,					
	PRES. MAX			DE JOINT 45.29		J		_@		
	MEAS. LINE CEMENT LEFT IN	VCSG.	45 FT		POZMIX GEL	. <del></del>	····	_@	- <u></u>	
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	DISPLACEMENT	2% 1	CL WAT	ER	ASC	1		@		
		EQ	UIPMENT		<u>CLASS</u> G-POSEAL	ł	<u>7554</u> 705_	_@ <u>ZS.73</u> @99	1896.00	
				- Paular	-501+		405	_@ <del></del> 	275.40	
	PUMP TRUCK #548/545			PRINDY	- Koseal		450	@93	441.00	
	BULK TRUCK				- <u>FL-140</u> Floseal	<u></u>	_56.4 18.75	@ <u>18.90</u> @ 2.97	<u>1065.96</u> 55.68	
		DRIVER	<del>Jaco</del> J	AMES ROWEN	- Allizo 6			@ 18.92	1702.80	
	BULK TRUCK #	DRIVER			Claped	)	12 GL	@ <u>344</u> 3	344.00	
	. <u>#.</u>	DRIVER	<u></u>		— HANDLIN			_@		
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	· · · · · · · · · · · · · · · · · · ·				— MANIFOL	<u>4 f</u> a	EAN	@	275.00	
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	CHARGE TO: 14	DOLSEY	/		<ul> <li>C.1770</li> </ul>				2 Marine - Commercia	
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	TERMS AND CO	JNDITIC	INS" listed	on the reverse sid	υ.		( <u>22</u> ). <u>1</u>	51,49-	* 1	
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