1202358

Confidentiality Requested: Yes No

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

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) Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	
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:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Location of huid disposa in natica 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 Iwo	1202358
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCTRUCTIONS: Chain important tang of formations paratrated De	tail all aaraa Danart all final	conice of drill stome tests giving interval tested, time test

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	eets)	Yes No		-	n (Top), Depth an		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
			RECORD Ne				
		Report all strings set-c	conductor, surface, inte	ermediate, productio	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	JEEZE 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 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

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

No

No No

No

(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			A		ement Squeeze Record d of Material Used)	Depth			
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner Ru	un:	No	
Date of First, Resumed	I Product	ion, SWD or ENHF	} .	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
									T	
DISPOSITI	ON OF (GAS:			METHOD	OF COMPLE	TION:		PRODUCTION IN	TERVAL:
Vented Solo	d 🗌	Used on Lease		Open Hole	Perf.		Comp.	Commingled		
(If vented, Su	bmit ACC	D-18.)		Other (Specify)		(Submit)		(Submit ACO-4)		

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

Lease Owner: DE

Johnson County, KS Town Oilfield Service, Inc. Commenced Spudding: Well: White I-3 (913) 837-8400 2/18/2014

WELL LOG

Thickness of Strata	Formation	Total Depth	
21	Soil-Clay	21	
22	Shale	43	
22	Lime	65	
7	Shale	72	
9	Lime	81	
4	Shale	85	
20	Lime	105	
12	Shale	117	
12	Sand	129	
4	Sandy Shale	133	
23	Lime	156	
43	Shale	199	
10	Lime	209	
17	Shale	226	
5	Lime	231	
4	Shale	235	
11	Lime	246	
19	Shale	265	
7	Lime	272	
11	Shale	283	
3	Lime	286	
33	Shale	319	
1	Lime	320	
10	Shale	330	
25	Lime	355	
7	Shale	362	
24	Lime	386	
3	Shale	389	
5	Lime	394	
3	Shale	397	
6	Lime	403	
5	Shale	408	
19	Sandy Shale	427	
19	Sand	446	
6	Sandy Shale	452	
123	Shale	575	
3	Lime	578	
5	Shale	583	
2	Lime	585	
9	Shale	594	

Johnson County, KS Well: White I-3 Lease Owner: DE

Town Oilfield Service, Inc. Commenced Spudding: (913) 837-8400 2/18/2014

9	Lime	603
14	Shale	617
2	Lime	619
14	Shale	633
5	Lime	638
23	Shale	661
7	Lime	668
61	Shale	729
9	Sand	738
12	Sandy Shale	750
110	Shale	860
2	Sandy Lime	862
1	Sand	863
1	Sand	864
3	Sand	867
1	Broken Sand	868
1	Broken Sand	869
. 1	Broken Sand	870
1	Sandy Shale	871
7	Sand	878
62	Shale	940-TD
	· · · · · · · · · · · · · · · · · · ·	

Short Cuts

BBLS. (42 gal.) equals D²x.14xh D equals diameter in feet. h equals height in feet.

BARRELS PER DAY Multiply gals. per minute x 34.2

HP equals BPH x PSI x .0004 BPH - barrels per hour PSI - pounds square inch

TO FIGURE PUMP DRIVES

* D - Diameter of Pump Sheave * d - Diameter of Engine Sheave SPM - Strokes per minute RPM - Engine Speed R - Gear Box Ratio *C - Shaft Center Distance

D - RPMxd over SPMxR d - SPMxRxD over RPM SPM - RPMXD over RxD R - RPMXD over SPMxD

BELT LENGTH - 2C + 1.57(D + d) + $\frac{(D-d)^2}{4C}$

* Need these to figure belt length WATTS = AMPS TO FIGURE AMPS: VOLTS 746 WATTS equal 1 HP

Lo	g Bo	ok
Well No. <u>"\</u> \~´	3	
Farm	\ c	
KS	26	uncon
(State)	25	(County)
) (Section)	ا <u>5</u> (Township)	(Range)
For D.E C	Expland:	~ @ ~ \

(Well Owner)

Town Oilfield Services, Inc. 1207 N. 1st East Louisburg, KS 66053 913-710-5400

	1
while Farm: Johnson County	CASIN
KS State; Well No. 4 1-3	
Elevation_ 1016	
Commenced Spuding 2014	
Finished Drilling 2 14	
Driller's Name Check Wach	
Driller's Name	
Driller's Name	
Tool Dresser's Name Cale Holcom	
Tool Dresser's Name	
Tool Dresser's Name	
Contractor's Name TOS	<i>L</i>
15 21	A 9 .
(Section) (Township) (Range)	
Distance from line,ft.	
Distance from E line, 3910 ft.	
3-Sacks	
CASING AND TUBING	
RECORD	
n ²	
10" Set 10" Pulled	
7,8" Set 8" Pulled	
6¼" Set 6¼" Pulled	
4" Set 4" Pulled 27/Set55 2" Pulled	
840 Barrie	-1-
940 70	

.

Thickness of Strata	Formation	Total Depth	Remarks
21	:-oil /day	21	
22	shale	43	
22	Lime	65	
	shale	72	
9	Lime	81	
Ц	shale	45	
20	Lime	105	
12	shale	117	redbed
12	send	129	no oil
4	sendyencite	133	
23	Lime	1.50	
43	shale	199	
10	Lime	209	
- 17	shelle	220	
5	Lime	231	
	shale	235	
11	Lime	246	
19	shale	265	
<u> </u>	Lime	272	
	shale	283	
• '3	Lime	280	
33	shale	319	
)	Lime	320	
- 10	shale	330	
25	Lime	355	
۲	Lime	362	
34	-2-	386	

Thiskness of		<u>38C</u>	1
Thickness of Strata	Formation	Depth	Remarks
	shale	389	
	Lime	294	
<u>,</u> 3	Shale	397	
6	Lime	1403	Harthan
1.0	shale	1408	
19	sendyshale	127	with some shale secons
14	eend	446	with some andy shall
6	sundy encile	452	
_123	shale	575	
3	Lime	578	
5	shale	583	
2	Lime	585	
<u> </u>	shale	594	
9	Lime	603	
<u> </u>	shale	L17	
2	Lime	619	
<u> </u>	shale	633	
5	Limed shale	638	
23	shelle	661	
7	Lime take lo	668	
	shale	729	
4	sund	738	Brown sun & no eil
12	acordy shale	750	Bacher in the
110	shale	860	
	sundy Lime	867	odon, 600% - 70%, social bleading
<u> </u>	send	4563	50°lo el
/	<u>-4-</u>	864	60% - 70°6 0.1
	-4-		-5-

8 7

		564	
Thickness of Strata	Formation	Total Depth	Remarks
3	send	567	30% - = did 0.1
<u> </u>	Broken sund	464	50% 001
	Broken and	56.4	
)	Budgenend	870	10% 0,1
<u> </u>	sandy shale	871	nocil
2	sund	<u> </u>	svery, no cul
(-2	shale	940	TU OT
5			

		Í	
	-6-		-7-

Oil Well Services, LLC	REMIT TO Consolidated Ôil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346	MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012	
INVOICE		Invoice #	
Invoice Date: 02/21/2014	Terms: 0/0/30,n/30		age 1
D.E. EXPLORATION DOUG EVANS P.O. BOX 128 WELLSVILLE KS 66092 (785)883-4057	WHITE I-3 42644 SW 1-15-21 02-19-2014 KS		
1118B PREMIU 1111 SODIUM 1110A KOL SE 1401 HE 100	POZ CEMENT MIX 133.0 M GEL / BENTONITE 423.0 CHLORIDE (GRANULA 279.0 AL (50# BAG) 665.0	0 .2200 0 .3900 0 .4600 0 47.2500	Total 1529.50 93.06 108.81 305.90 23.63 29.50
Description 370 80 BBL VACUUM TRUCK (558 MIN. BULK DELIVERY 666 CEMENT PUMP 666 EQUIPMENT MILEAGE (ON 666 CASING FOOTAGE	CEMENT) 2.5 1.0 1.0	0 368.00 0 1085.00 0 4.20	Total 225.00 368.00 1085.00 126.00 .00

2090.40 Freight: Parts: .00 Tax: 154.16 AR 4048.56 Labor: .00 Misc: .00 Total: 4048.56 Sublt: .00 Change: .00 .00 Supplies: ================= _______

 Signed_______
 Date______

 BARTLESVILLE, OK
 EL DORADO, KS
 EUREKA, KS
 PONCA CITY, OK
 OAKLEY, KS
 OTTAWA, KS
 THAYER, KS
 GILLETTE, WY
 CUSHING, OK

 918/338-0808
 316/322-7022
 620/583-7664
 580/762-2303
 785/672-8822
 785/242-4044
 620/839-5269
 307/686-4914
 918/225-2650

254 S	Dill Well Services; LLC	266071		LOCATION		644
				FOREMAN C	ssey Kenne	d -
		ELD TICKET & TRE	EATMENT REP	ORT		
-431-9210 d	or 800-467-8676	CEMI	ENT			
DATE	CUSTOMER # WE	LL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2/19/14	2355 White	2 # I-3	SWI	15	21	50
STOMER F	Enderth			2011063772334		
LING ADDRE	sploration		TRUCK#	DRIVER	TRUCK#	DRIVER
POB	Box 128	and the strength	1-1-0	Casker	~ Sately	Meeting_
Y	STATE	ZIP CODE	666 -	Garlao		
Dollsvil	le KS	60092	370	Keilar	V	
TYPE /OU		5578" HOLE DE		CASING SIZE & W	VERUT DELA	"FIE
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IRRY WEIGH				CEMENT LEFT in	OTHER 2	1
PLACEMENT			ui/sk	RATE 5 6	CASING 31	
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culated	a sale for meeting	Condition and alle	la in and	tear pur	ped a g	- Folym
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				P	- P	
CCOUNT [DESCRIPTION			H-	
CCOUNT CODE	QUANITY or UNITS		l of SERVICES or PRO			TOTAL
	1	PUMP CHARGE	l of SERVICES or PRO			TOTAL 1025-00
CODE HOI HOG	1 30 44	PUMP CHARGE MILEAGE	l of SERVICES or PRO			
CODE 101 406 1402	1 30 421 9211	PUMP CHARGE MILEAGE	,			1085.00
CODE 401 406 402 407	1 30 421 9211	PUMP CHARGE MILEAGE	,			1085.00
CODE 101 406 1402	1 30 44	PUMP CHARGE MILEAGE	,			1085.00
CODE 401 406 402 407	1 30 421 9211	PUMP CHARGE MILEAGE	· · · · · · · · · · · · · · · · · · ·			1085.00
CODE 401 406 402 407	1 30 421 9211	PUMP CHARGE MILEAGE	· · · · · · · · · · · · · · · · · · ·			1085.00
CODE 401 406 402 407	1 30 421 9211	PUMP CHARGE MILEAGE Casing footage tou mileage 80 Uac	2			126.00
CODE 401 406 407 502 C	1 30 421 921' Minimum 2.5 hrs 133 \$\$	PUMP CHARGE MILEAGE Casing footage tou mileage 80 Uac 50/50 Pozurix	cement			1085.00
CODE 401 406 407 502 C 124 1873	1 30 44 921' Minimum 2.5 Ars 133 \$\$ 423 \$\$	PUMP CHARGE MILEAGE Casing footage tou mileage 80 Uac	cement			1085.00
CODE 401 406 407 502 C 124 124 18 TS (11	1 30 421 921 minimum 2.5 Ars 2.5 Ars 133 \$\$ 133 \$\$ 423 \$\$ 423 \$\$ 279 \$\$	PUMP CHARGE MILEAGE Casing footage tou mileage 80 Vac 50/50 Pozurix Premium Gel Solt	cement			1085.00 126.00 368.00 225.00 15.29.5 93.06 188.81
CODE 401 406 407 502 C 124 124 18 T3 110A	1 30 44 921' Minimum 2.5 Ars 2.5 Ars 133 \$ 423 \$ 423 \$ 279 \$ 423 \$ 279 \$ 425 \$ 4	PUMP CHARGE MILEAGE Casing footage tou mileage 80 Uac 80 Uac 59/50 Pozurix Premium Gel Salt Kolseal	cement			1085.00 126.00 368.00 225.00 225.00 15.29.5 93.06 108.81 305.90
CODE 401 406 407 502 C 124 124 18 T3 110A	1 30 421 921 minimum 2.5 Ars 2.5 Ars 133 \$\$ 133 \$\$ 423 \$\$ 423 \$\$ 279 \$\$	PUMP CHARGE MILEAGE Casing footage tou mileage SO Vac SO Vac	cement			1085.00 126.00 368.00 225.00 15.29.5 93.06 108.81 305.90 23.63
CODE 401 406 407 502 C 124 124 18 T3 110A	1 30 44 921' Minimum 2.5 Ars 2.5 Ars 133 \$ 423 \$ 423 \$ 279 \$ 423 \$ 279 \$ 425 \$ 4	PUMP CHARGE MILEAGE Casing footage tou mileage 80 Uac 80 Uac 59/50 Pozurix Premium Gel Salt Kolseal	cement			1085.00 126.00 368.00 225.00 225.00 15.29.5 93.06 108.81 305.90
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CODE 401 406 407 502 C 124 124 18 T3 110A	1 30 44 921' Minimum 2.5 Ars 2.5 Ars 133 \$ 423 \$ 423 \$ 279 \$ 423 \$ 279 \$ 425 \$ 4	PUMP CHARGE MILEAGE Casing footage tou mileage SO Vac SO Vac	cement			1085.00 126.00 368.00 225.00 15.29.5 93.06 108.81 305.90 23.63
CODE 401 406 407 502 C 124 124 18 T3 110A	1 30 44 921' minimum 2.5 Ars 133 \$\$ 133 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 279 \$\$ 665 \$\$ 1	PUMP CHARGE MILEAGE Casing footage tou mileage SO Vac SO Vac	cement			1085.00 126.00 368.00 225.00 225.00 15.29.50 93.06 108.81 305.90 23.63 29.50
CODE 401 406 407 502 C 124 124 18 T3 110A	1 30 44 921' minimum 2.5 Ars 133 \$\$ 133 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 279 \$\$ 665 \$\$ 1	PUMP CHARGE MILEAGE Casing footage tou mileage SO Vac SO Vac	cement			1085.00 126.00 368.00 225.00 15.29.5 93.06 108.81 305.90 23.63
CODE 401 406 407 502 C 124 124 18 T3 (11 110A	1 30 44 921' minimum 2.5 Ars 133 \$\$ 133 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 423 \$\$ 279 \$\$ 665 \$\$ 1	PUMP CHARGE MILEAGE Casing footage tou mileage SO Vac SO Vac	cement			1085.00 126.00 368.00 225.00 225.00 15.29.50 93.06 108.81 305.90 23.63 29.50

l acknowledge that the payment terms, unless specifically amended in writing on the front 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.