

Kansas Corporation Commission Oil & Gas Conservation Division

1146520

Form ACO-1

June 2009

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
Address 2:	Feet from North / South Line of Section
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 #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

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
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

Side Two



Operator Name:			Lease Name: _			_ Well #:	
Sec Twp	S. R	East West	County:				
time tool open and clo	osed, flowing and shu es if gas to surface te	d base of formations pe t-in pressures, whether st, along with final char- well site report.	shut-in pressure rea	ached static level,	hydrostatic press	sures, bottom h	nole temperature, fluid
Drill Stem Tests Taker (Attach Additional		Yes No		_og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geo	logical Survey	Yes No	Nan	ne		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy		Yes No Yes No Yes No					
List All E. Logs Run:							
				lew Used			
D (0):	Size Hole	Report all strings set Size Casing	t-conductor, surface, in Weight	termediate, producti Setting	on, etc. Type of	# Sacks	Type and Percent
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives
		ADDITIONA	U OFMENITING (OO	UEEZE DEOODD			
Purpose:	Depth		AL CEMENTING / SQ	UEEZE RECORD			
Perforate	Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
Shots Per Foot	PERFORATI	ON RECORD - Bridge Plu	ugs Set/Type		cture, Shot, Cement		
	Specify	Footage of Each Interval Pe	errorated	(AI	mount and Kind of Ma	ateriai Used)	Depth
TUDING DECORD.	Si-o.	Cat Atı	Packer At:	Lines Duni			
TUBING RECORD:	Size:	Set At:	Facker At.	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Me		Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wa	ter B	bls. (Gas-Oil Ratio	Gravity
		·					
	ON OF GAS:		METHOD OF COMPL			PRODUCTIO	ON INTERVAL:
Vented Solo		Open Hole			nmingled mit ACO-4)		
(If vented, Sui	bmit ACO-18.)	Other (Specify)					

Lease Owner:Lowe's Arena

Franklin County, KS Town Oilfield Service, Inc. Commenced Spudding: Well: Lowe I-2 (913) 837-8400 Commenced Spudding: 05-21-13

WELL LOG

Thickness of Strata	Formation	Total Depth
0-14	Soil-Clay	14
3	Lime	17
3	Shale	20
18	Lime	38
7	Shale	45
10	Lime	55
5	Shale	60
20	Lime	80
38	Shale	118
21	Lime	139
19	Shale	158
2	sand	160
52	Shale	212
22	Lime	234
26	Shale	260
6	Lime	266
26	Shale	292
7	Lime	299
25	Shale	324
23	Lime	347
9	Shale	356
22	Lime	378
5	Shale	383
4	Lime	387
2	Shale	389
6	Lime	395
35	Shale	430
11	sand	441
3	Shale	444
3	sandy lime	447
33	sandy shale	480
25	Shale	505
3	sandy shale	508
3	sand	511
3	sand	514
43	Shale	557
8	Lime	565
5	Shale	570
3	Lime	573
12	Shale	585

Franklin County, KS Town Oilfield Service, Inc. Commenced Spudding: Well: Lowe I-2 (913) 837-8400 Commenced Spudding: 05-21-13

Lease Owner:Lowe's Arena

9	sand	594
3	Shale	597
8	Lime	605
3	sandy shale	608
10	Shale	618
4	Lime	622
8	Shale	630
5	shale and lime	635
1	Lime	636
5	Shale	641
3	shale and lime	644
13	Shale	657
3	Lime	660
5	Shale	665
1	lime	666
2	sand	668
1	sand	669
3	sand	672
13	Sandy shale	685
4	Sandy lime	689
7	sandy shale	696
11	Shale	707
1	Lime	708
9	Shale	717
17	Sandy Shale	734
6	Sand	740
20	sandy shale	760 TD

Short Cuts

TANK CAPACITY

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

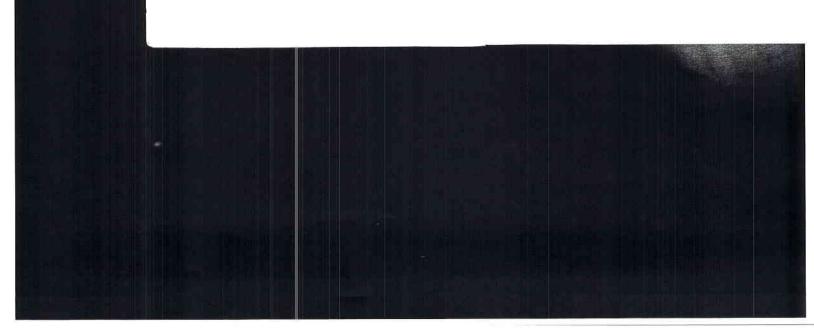
746 WATTS equal 1 HP

Log Book

Well No.	- 2	
Farm Low) e	
(State)	Ţ _r	(County)
(Section)	(Township)	(Range)
For Lowes	Mrena Vell Owner)	LLC

Town Oilfield Services, Inc.

1207 N. 1st East Louisburg, KS 66053 913-710-5400



			4.30			
Lawe Form Franklin County	CA	SING AI	ND TUBING N	/IEASI	JRÉMENTS	
Lowe Farm: Franklin County	Feet	In.	Feet	In.	Feet	In.
970	693		Bat	+1	e	
Commenced Souding May 21 20 13	7011	-		1-		-
Finished Drilling May 22 20 13	724		+1000	T		
Commenced Spuding May 21 20 13 Finished Drilling May 22 20 13 Driller's Name Wesley Dollard					2	7/-
Driller's Name					- CX	18
Driller's Name		-	(42)			
Tool Drosser's Name Pyan Ward						
Tool Dresser's Name Ryan Ward Tool Dresser's Name Brandon Steine	*					
Tool Dresser's Name						
Contractor's Name	-					
17 16 21						
(Section) (Township) (Range)						
Distance from Sline, 1610 ft.						
Distance from _ E_ line, _ 4635 ft.						
2 sacks						-
9 405	PC					
1 RID	-					
CASING AND TUBING	-					
RECORD	50		7			
10" Set 10" Pulled						
8" Set 8" Pulled	561 · · · · · · · · · · · · · · · · · · ·					
61/4" Pulled	-54					
4" Set 4" Pulled			-1-			

2" Set

2" Pulled _

Thickness of	Formation	Total	
Strata		Depth / -/	Remarks
0-14	soil- clay		
3	Lime	17	
3	Shalz	20	
14	lime	38	
7	shal-e	45	
10	Lime Shale	55	
5		60	//
20	Lime	80	f
38	shale	118	5.0
21	Lime	139	
19	Shale	158	Some sand
2	sand	160	no Oil
52	Shale	212	
22		234	
26	Lime shale	260	
6	Lime	266	
26	Shale	292	Some sind
7	Lime	299	- Zine shell
25	Shale	324	
23	Lime	347	
9	Shale	354	
32	Lime	378	
5	shale	383	
4	Lime	387	
7	shale	389	1
6	Lime	395	Hertha
35	Shale	430	1777
	-2-		-3-

-3-

		430	
Thickness of Strata	Formation	Total Depth	Remarks
11	sand	441	no Oil
3	shale	444	
3	sandy lime	447	
33	sandy shale	480	
25	Shalf	505	1
3	Sandy Stell	50%	
3	Sand	511	10 0:1
3	Same	514	odor - sight show
43	Shele	557	
S	Lime	565	
5	Shalt	570	
3	Lime	573	
12	Shalt	585	
9	Sano	594	no Oil
3	Shalt	597	
8 3	Lime	605	
	sindy shale	608	Α
10	Shalt	618	
4	Lime	622	
8	Shale	630	
	shalt #lime	635	
	Lime	6×20	
	Shale	641	
3	shale & lime	644	
	Shale	657	
3 5	Lime Shale	660	
		665	
	-4-	(*)	-5-

Thickness of Strate 1 Lime 1 Lime 2 Sand 668 broken - 25% 0il 1 Sand 672 broken - 10% 0il 13 Sandy Shale 685 4 Sandy Shale 685 7 Sandy Shale 696 11 Shale 707 1 Lime 708 9 Shale 717 20 Sandy Shale 760 TD			665	
1 Lime 666 2 Sand 668 broken - 25% 011 1 Sand 669 Solid 011 3 Sand 672 broken - 10% 011 13 Sandy Shale 685 4 Sandy Shale 689 7 Sandy Shale 689 11 Shale 707 1 Lime 708 9 Shale 717 17 Sandy Shale 717	Thickness of Strata	Formation	Total Depth	Remarks
2 Sand 668 broken - 25% 011 1 Sand 669 solid 0i 3 Sand 672 broken - 10% 011 13 Sandy Shale 685 4 Sandy Shale 689 7 Sandy Shale 696 11 Shale 707 1 Lime 708 9 Shale 717 17 Sandy Shale 717 18 Sandy Shale 719 6 Sand 740 ode(- no shew	1	Lime	660	
1 Sand 669 solid 0ij 3 Sand 672 broken -10% 0il 13 Sandy Shale 685 4 Sandy Shale 689 7 Sandy Shale 696 11 Shale 707 1 Lime 708 9 Shale 717 17 Sandy Shale 717 17 Sandy Shale 719	2		668	broken - 25% 011
13 Sandy Shale 685 4 Sandy Time 689 7 Sandy Shale 696 11 Shale 707 1 Lime 708 9 Shale 717 17 Sandy Shale 734 6 Sand 740 odo(- no show	1	sand	669	solid Oil
4 Sandy lime 689 7 Sandy Shale 696 11 Shale 707 1 Lime 708 9 Shale 717 17 Sandy Shale 734 6 Sand 740 odo(- no show	3	sand	672	broken -10% 011
7 Sandy shale 696 11 Shale 707 1 Lime 708 9 Shale 717 17 Sandy Shale 734 6 Sand 740 odo(- no show	13	Sandy Shale		
7 Sandy shale 696 11 Shale 707 1 Lime 708 9 Shale 717 17 Sandy Shale 734 6 Sand 740 odo(- no show	4	sandy lime	689	
1 Limit 708 9 shulle 717 17 sandy shult 734 6 sand 740 odol- no show	7	sandy shale		
9 shale 717 17 sandy shale 734 6 sand 740 odol- no show	11	shall-e	707	
17 sandy shelt 734 6 sand 740 odol- no show	/	Limit	708	
6 sand 740 odos no stew	9	shul-e		
	17	sandy shalt	734	
20 sandy shahe 760 TD	6	sand	740	odol- no shew
	20	signally shale	760	TD
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TICKET NUMBER_ LOCATION OFFICIAL KS FOREMAN Fred Mader

	FIELD TICKET & TRE	ATMENT REP	ORT
PO Box 884, Chanute, KS 66/20	CEME		
620-431-9210 or 800-467-8676	WELL MINE & MILMOED	SECTION	TC

Box 884, CI -431-9210	nanute, KS 6672 or 800-467-8676		CEMI	SECTION	T TOWNSHIP T	RANGE	COUNTY
DATE	CUSTOMER#	WEILL	NAME & NUMBER		14	21	FR
5/22/13	7623	Lowe	#12	15w 17	2.6		10 W. A.
S/22/3 ISTOMER	.10			TRUCK #	DRIVER	TRUCK#	DRIVER
Jour AlLING ADDRI	mo: 1 Co			712	Fre Mad		
		. xb C+	Ĩ	495	HarBer		
162	05 W 28	ISTATE	ZIP CODE	505/Trob	JasRic		
Λ .		KS	66071	510	Sex Tuc		
Paola			HOLE DE		CASING SIZE & WI	EIGHT 276	
B TYPEL	ongstring	DRILL PIPE	Baffle in TUBING	@ 693	#5 oct	OTHER	. 0.
ASING DEPTH		SLURRY VOL_		gal/sk	CEMENT LEFT In	CASING_31'	+ Plug
URRY WEIG	HT				BATE KAPO	<u> </u>	
SPLACEMEN	T 4.0300	POISPLACEMEN	us Establish	auma wax	MENT PU.	ma 100 =	al
EMARKS: 1	old Crea	y mich.	97 5K5 S	SI 150 Por 1	11x Come	x 2% all	
- Flu	sh yn	xx Pur		mp + Imas c	1000 Disc	lace 2/2	0
Cen	neut to	Sux fac	NAI L	Lie Graset	1 KD 50	0 101.	
Rul	obes Phy	g 10 60	ressure for	30 mm	MIT. Rola	ase are	sove
170	19 4 May	sitor p	1 2 2 2 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	On class			
to	sex fl	out Val	ue Shut M	- cassy -		10-17-1/m	***
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			· · · · · · · · · · · · · · · · · · ·		May May	an_	
TOS	Dilly				y de la companya del companya de la companya del companya de la co		· ·
	0		P.E.O.C.I.P.T.II	ON of SERVICES or P	RODUCT	UNIT PRICE	TOTAL
CODE	QUANIT	Y or UNITS	DESCRIPTION	UN OF SERVICES OF			1085
		1	PUMP CHARGE		495		6400
5401	+	20 mi	MILEAGE		495		
5406		724'	Carrie Fo	otoge			NIC
5407			Ton Mile		5/0		3680
5407	MSas	The state of the s	Transpor	7040	505/7106		1800
55016		12 hr	11				P.
			Al .	(enti-			
			50/50 Par VM	V Counself			11155
1124	-	97 EKS	50/50 Por M				111.5 5°
	-	97 EKS	Premion	Gel			798
1124	-	97 EKS 363#		Gel			798
1/24	-	97 EKS 363**	Premion	Gel			798
1124	-	97 EKS 363#	Premion	Gel			798
1124	-	97 EKS 363#	Premion	Gel			798
1124	-	97 EKS 363**	Premion	Gel			25.2 25.2
1124	-	97 EKS 363**	Premion	Gel			25.2 25.2
1124	-	97 EKS 363#	Premion	Gel	engewe S		25.27 25.27
1124	-	97 EKS 363**	Premion	Gel			25.2 25.2
1124	-	97 EKS 363**	Premion	Gel			7 9 4 29 5
1124	-	97 EKS 363**	Premion	Gel		SALES TAX ESTIMATED TOTAL	25.27 25.27

AUTHORIZTION WESLEY Dellard I 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.

TITLE_