

Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

1211637

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:			Sec.	TwpS. R	East West			
Address 2:			F6	eet from North /	South Line of Section			
City:	State: Z	ip:+	Feet from _ East / _ West Line of Sect					
Contact Person:			Footages Calculated from	Nearest Outside Section C	Corner:			
Phone: ()			□ NE □ NW	V □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:	W	ell #:			
	e-Entry	Workover	Field Name:					
	_		Producing Formation:					
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW ∏ SIGW	Elevation: Ground:	Kelly Bushing:				
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total D	epth:			
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet			
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No			
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet			
Operator:			If Alternate II completion, c	cement circulated from:				
Well Name:			feet depth to:	w/	sx cmt.			
Original Comp. Date:								
Deepening Re-perf	J	ENHR Conv. to SWD	Drilling Fluid Managemer	nt Dlan				
☐ Plug Back	Conv. to G		(Data must be collected from to					
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	: bbls			
Dual Completion			Dewatering method used: _					
SWD			Location of fluid disposal if	f hauled offsite:				
☐ ENHR								
GSW	Permit #:		Operator Name:					
_ <del>_</del>			Lease Name:	License #:_				
Spud Date or Date R	eached TD	Completion Date or	QuarterSec	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:					



Operator Name:			Lease Name:			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ing and shut-in pressu	ormations penetrated. Dures, whether shut-in preith final chart(s). Attach	ssure reached stati	c level, hydrosta	itic pressures, bott		
		otain Geophysical Data a or newer AND an image t		gs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			on (Top), Depth an		Sample
Samples Sent to Geol	ogical Survey	Yes No	Nam	Э		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	w Used			
		Report all strings set-			ion, 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
_	5 "	ADDITIONAL	CEMENTING / SQU	EEZE RECORD			
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
	ılic fracturing treatment or	n this well?		Yes	No (If No, ski	p questions 2 aı	nd 3)
Does the volume of the to	otal base fluid of the hydra	aulic fracturing treatment ex submitted to the chemical of	=		No (If No, ski	p question 3) out Page Three	
Shots Per Foot	PERFORATIO Specify Fo	N RECORD - Bridge Plug potage of Each Interval Perl	s Set/Type forated		cture, Shot, Cement mount and Kind of Ma		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	IR. Producing Meth		Gas Lift (	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf Wate	er B	bls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	N Open Hole		Comp. Cor	mmingled	PRODUCTIO	DN INTERVAL:
(If vented, Sub	omit ACO-18.)	Other (Specify)	(Submit A	(Sub	mit ACO-4)		

Form	ACO1 - Well Completion
Operator	LR Energy, Inc.
Well Name	Oliver 12-31
Doc ID	1211637

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	11	8.625	24	40	Type 1	10	
Production	6.75	4.5	10.5	1330	Thick Set	145	

### Air Drilling Specialist Oil & Gas Wells

## THORNTON AIR ROTARY, LLC Office Phone: 620-879-2073

PO Box 449 Caney, KS 67333

Date Started	3/21/2014
Date Completed	3/25/2014

Operator  L R Energy Inc.			A.P.I #	County	State
			15-125-32413-00-00	Montgomery	Kansas
Well No.	Lease		Section	Township	Range
12-31	12-31 Oliver		31	32	14
Tunn of Wall	Driller	Cement	Surface	TD	Size of Hole
Type of Well					
Gas	Billy Thornton	8	42'2" 85/8	1336	63/4

0-2	DIRT	630-748	SHALE	1166-1168	LIME (V-LIME)
2-6	SAND / WET	748-753	LIME	1168-1169	COAL (CROWBERG)
6-25	CLAY	753-760	SHALE	1169-1174	SANDY SHALE
25-90	SHALE	760-770	LIME	1174-1184	SAND
90-95	LIME	770-802	SAND	1184-1206	SHALE
95-105	SHALE	802-826	SHALE	1206-1207	BLK SHALE / COAL
105-120	LIME / DAMP	826-856	LIME	1207-1217	SHALE
120-124	SHALE	856-868	SHALE	1217-1218	COAL
124-125	LIME	868-877	SAND / GOOD ODOR	1218-1230	SHALE
125-131	SAND	877-880	SAND/ LT ODOR	1230-1231	COAL
131-204	SHALE	880-886	SAND / NO ODOR	1231-1248	SHALE
204-215	LIME	886-909	SAND / NO ODOR	1248-1250	BLACK SHALE
215-240	SANDY SHALE	909-914	SANDY SHALE	1250-1256	SHALE
235	WENT TO WATER	914-925	SHALE	1256-1257	COAL
240-320	SHALE	925-941	SANDY SHALE	1257-1301	SHALE
320-325	LMY SHALE	941-974	SHALE	1301-1314	SAND
325-334	LIME	974-996	LIME (PAWNEE)	1314-1336	SHALE
334-415	SHALE	996-1004	BLACK SHALE	1336	TD
415-419	BLACK SHALE	1004-1005	COAL (LEXINGTON)		
419-422	LIME	1005-1041	SHALE		GAS TESTS:
422-424	SAND	1041-1062	SANDY SHALE	435	NO GAS
424-425	COAL	1062-1093	LIME (OSWEGO)	911	SLIGHT BLOW
425-438	SHALE	1093-1103	BLK SHALE (SUMMIT)	1011	4#, 1/8"= 5.64 MCF
438-460	SAND	1103-1122	LIME	1036	3 1/2#, 1/4"= 17.1 MCF
460-489	SHALE	1122-1129	BLACK SHALE	1186	4#, 1/4"= 18.5 MCF
489-500	LIME	1129-1130	COAL (MULKY)	1236	SAME
500-522	SHALE	1130-1139	LIME	1336	SAME
522-570	LIME	1139-1151	SHALE		
570-600	SHALE	1151-1152	COAL	<b>5</b> 1	
600-630	SANDY SHALE	1152-1166	SHALE		

#### MORNING COMPLETION REPORT

Report Called in by: MUGGER Report taken by:

LEASE NAME & #	AFE#	DATE	DAYS	CIBP	PBTD:	
Oliver 12-31		3/19/2014	1	DEPTH TYPE	TYPE FLUID	
	ION: DRILL OUT FROM			IIIFE	WT	
					VIS	
DEEPEST CASING	LINERS OD TOP & SHO	E DEFREPAIR DOWN	TIME HRS	CONTRACTOR MOKAT		
OD SHOE DEPTH		7507	DEDEC	RIG NO		
PACKER OR ANCHOR	FISHING T OD ID	IESI	PERFS	TES	ST PERFS	
				120	TO	
					то	
					то	
HRS	BRIEF DESCRIPTION	ON OF OPERATION	DN .			
	MIRU THORNTON	DRILLING, DRILLE	ED 11" HOLE,40' DI	EEP, RIH W21 JT 8 5/8" SURF	ACE CASING,	
	MIXED 10 SX TYPE					
DAILY COST ANALY	YSIS					
DIC	1400			DETAILS OF RENTALS, SERVIC		
RIG	1400			LLING	1400	
				MENT	120	
SUPERVISION			DIRT	TWORKS (LOC,RD, PIT,Dozer	2500	
			SUR	RFACE CASING	700	
RENTALS			LAN	D/ LEGAL		
			wate	er truck	350	
SERVICES	2850					
MISC	920					
	020					
	820					
	020					

810 E 7<sup>TH</sup> PO Box 92 EUREKA, KS 67045 (620) 583-5561

# Cementing & Acidizing of Kansas, LLC



Cement or Acid Field Report
Ticket No. 1192
Foreman Kewn McCoy

Camp Eureka

					0 11	-	1.1.	Daniel	County	State
Date	Cust. ID#	Lease	e & Well Number		Section	To	wnship	Range	County	State
3-26-14	1049	OLIV	er 12-31						MG	Ks
Customer				Safety	Unit #		Driv		Unit #	Driver
	ENERGY.		Meeting	102		Chris				
	CNENTY,	,,,,,		KM	110	11-2-11	SHANNO	NF.	The state of the s	
Mailing Address				SF	141		Rudy	m.		
5602 CR 2700				Rm				7	THE RESERVE	35
City	- All all and a second	State	Zip Code	1-						
ELK C	ity	Ks	67344							
Job Type Zon	10storno	Hala Dan	th _/336 *		Slurry Vol. 4	8 Bb	4	-	Tubing	
Job Type	1770 15	Hole Dep	13/11"		Oldry Vol.	7#				
Casing Depth_	1330.65	Hole Siz	e 63/4"		Slurry Wt. 13.7# Drill Pipe					editorial and
Casing Size &	Nt 411/2	Cement L	eft in Casing o		Water Gal/SK	9.0	2	(	Other	
Displacement _	21.9 BbL		ement PSI 750		Bump Plug to			E	BPM	<u></u>
		ting: Rio	41/2 CASIN	a w/ u	uash Head.	BR	CAK CI	Reculati	on W/ 30 B	BL Fresh
WATER. WA	ish down 1	o'. Pumo 10	up 41/2 CASINO SKS (500#)	Gel Flo	15h 10 B6L	WAT	ter Spa	cer, MI	xed 145 sks	THICK Set
Cement w.	15# Kol-Se	AL 15K 1 P	heno Seal ISK (	2 13.7	#/gAL, Vield	1.8.	5 = 4/8	BBL STU	RRY. WASh ou	+ rump & cines
Shut down.	Release PI	ug. DISP/Ace	Plug to SEAT	- W/ 21.	BBL TRESH	WA	ter. +11	NAC PUR	nping PRESSU	4e 750 PS1,
Shut down. Release Plug. Displace Plug to SEAT W/ 21.9 BBL FRESH WATER. FINAL Pumping PRESSURE 750 PSI, Bump Plug to 1200 PSI. WAIT 2 MINUTES. Release PRESSURE, FLOAT HELD. Good CEMENT RETURNS to SURFACE =										
6 Bbl Slux	6 Bbl Sturry to Pit. Job Complete. Rig down.									
	The state of the	7							1	
	and the state of	siryini		4 1 1 12		6	CTATE OF	-05		40-
									127	

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C /02	/	Pump Charge	1050.00	1050.00
C 107	0	Mileage 4Th Well of 4	0	N/C
	heating at Lary			
C 201	145 sks	THICK Set Cement	19.50	2827.50
C 207	725 #	KOL-SEAL 5#/SK	. 45 #	326.25
C 208	145 #	PhenoSeal 1#/sk	1.25 #	181.25
				No.
C 206	500 #	Gel Flush	. 20 #	/00.00
	Table Services	The state of the s		
C 108 B	7.98 TONS	Ton MileAge 50 miks	1.35	538.65
C 113	3 HRS	80 BBL VAC TRUCK	85.00	255,00
		· ·		
C 403	1	41/2 Top Rubber Plug	45.00	45.00
				The second secon
	and military of the	Man water or specifically the second		retti
	4		Burst Horaco Tile Sc	
			Albullet Mener	
		THANK YOU 6.15%	Sub TotAL	5323.65
		_M 6.15%	Sales Tax	214.02
A 41	CALLAN	By Mike Taylor Title	Total	5537.67

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.