

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1085347

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	South Line of Section
City: S	tate: Zi	p:+	Fe	eet from East / V	West Line of Section
Contact Person:			Footages Calculated from	Nearest Outside Section Co	orner:
Phone: ()			□ NE □ NV	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:	We	ell #:
New Well Re	-Entry	Workover	Field Name:		
	_	_	Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing: _	
☐ OG	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total De	epth:
CM (Coal Bed Methane)	dow	тетір. Ава.	Amount of Surface Pipe Se	et and Cemented at:	Feet
Cathodic Other (Con	e. Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well In			If yes, show depth set:		Feet
Operator:			If Alternate II completion, of	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:	Original To	otal Depth:			
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Manageme	nt Plan	
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from t		
O constitued and	D		Chloride content:	ppm Fluid volume:	bbls
CommingledDual Completion			Dewatering method used:		
SWD			Location of fluid disposal if	f haulad offsita:	
☐ ENHR			Location of fluid disposal fi	nauled offsite.	
GSW			Operator Name:		
_			Lease Name:	License #:	
Spud Date or Date Rea	ached 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 Approved by: Date:						

Page Two

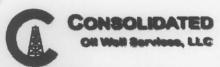


Operator Name:			L	ease Name: _			Well #:	
Sec Twp	S. R	East We	est C	County:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott		
Final Radioactivity Lo files must be submitted					gs must be ema	iled to kcc-well-log	gs@kcc.ks.go	. Digital electronic log
Drill Stem Tests Taker (Attach Additional		Yes	No	L		n (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	Yes	No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes Yes	No No					
List All E. Logs Run:								
		(CASING REC	ORD Ne	w Used			
		· ·		ıctor, surface, inte	ermediate, producti		T	
Purpose of String	Size Hole Drilled	Size Casin Set (In O.D		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cem	ent #	Sacks Used		Type and Pe	ercent Additives	
Perforate Protect Casing	100 20111111							
Plug Back TD Plug Off Zone								
1 lag on zono								
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski)	o questions 2 ar	nd 3)
Does the volume of the to		•				_	o question 3)	(" 100 ")
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)
Shots Per Foot		ION RECORD - Bri Footage of Each Int				cture, Shot, Cement		d Depth
	, ,				,		,	
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:			
						Yes No		
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bl	ols. G	ias-Oil Ratio	Gravity
DIODOCITI	ON OF CAS:		RACT!!		TION		DRODUCTIO	AN INTEDVAL.
Vented Solo	ON OF GAS: Used on Lease	Open Ho		IOD OF COMPLE \Box		nmingled	PHODUCIIC	ON INTERVAL:
	bmit ACO-18.)	Other (S	necify)	(Submit		mit ACO-4)		

MORNING COMPLETION REPORT

Report Called in by: JACOB Report taken by:

		AFE#		DATE	DAYS		CIBP		PBTD:
OLIVER 14G-20				4/11/2012		1	DEPTH TYPE	1	TYPE FLUID
PRESENT OPERAT	ON: DRILL	OUT F	ROM UN	DER SURFA	CE		TITE		WT
						Total House			VIS
DEEPEST CASING	LINERS OF	D TOP &	SHOE DEF	REPAIR DOW	N TIME HRS		CONTRACTOR	MOKAT	
OD SHOE DEPTH							RIG NO		
BACKED OB ANCHOR	FIGURES	- 00	ID.	TES	T PERFS				
PACKER OR ANCHOR	FISHING T	OD	ID					TES	T PERFS
7					0 770				то
									то
HRS	BRIEF D	ESCRI	PTION OF	OPERATIO	ON				
	MIDITE	IODNIT/	ON DRILL	INC DRILLI	ED 44" HOLE	04 51 DEED	DILLMIA IT O	(0) 01 10	
							, RIH W/1 JT 8 5	18" SUR	FACE CASING,
	MIXED 4	SX TY	PE 1 CEI	MENT, DUM	PED DOWN 1	HE BACKS	DE. SDFN.		
									AL AR Land
								- 6	
	_								
	-								
	+								
							1303		
	+								
PAILY COST ANALY	SIS								
PAILY COST ANALY	sis					DE	TAILS OF RENTALS	s, SERVICE	ES, & MISC
	700						TAILS OF RENTALS	s, SERVICE	S, & MISC 700
						DRILLING	TAILS OF RENTALS	, SERVICE	700
RIG						DRILLING CEMENT			700 60
RIG						DRILLING CEMENT DIRTWOR	KS (LOC,RD, PI		700 60 500
RIG SUPERVISION		_				DRILLING CEMENT DIRTWOR SURFACE	KS (LOC,RD, PI CASING		700 60
RIG						DRILLING CEMENT DIRTWOR	KS (LOC,RD, PI CASING		700 60 500
RIG						DRILLING CEMENT DIRTWOR SURFACE	KS (LOC,RD, PI CASING		700 60 500
RIG SUPERVISION RENTALS	700					DRILLING CEMENT DIRTWOR SURFACE	KS (LOC,RD, PI CASING		700 60 500
RIG SUPERVISION RENTALS						DRILLING CEMENT DIRTWOR SURFACE	KS (LOC,RD, PI CASING		700 60 500
RIG SUPERVISION RENTALS SERVICES	700					DRILLING CEMENT DIRTWOR SURFACE	KS (LOC,RD, PI CASING		700 60 500
DAILY COST ANALY RIG SUPERVISION RENTALS SERVICES	700					DRILLING CEMENT DIRTWOR SURFACE	KS (LOC,RD, PI CASING		700 60 500
RIG SUPERVISION RENTALS SERVICES	700					DRILLING CEMENT DIRTWOR SURFACE	KS (LOC,RD, PI CASING		700 60 500 275
RIG SUPERVISION RENTALS SERVICES	700					DRILLING CEMENT DIRTWOR SURFACE	KS (LOC,RD, PI CASING		700 60 500





TICKET NUMBER 34560
LOCATION EUCKA
FOREMAN RICK Ledford

	or 800-467-867			CEMEN	NT			
DATE	CUSTOMER#	WE	LL NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
4/16/12	4758	Oliver	146-20					MG
CUSTOMER	Layne Ene			Gus	TRUCK #	DRIVER	TRUCK#	DRIVER
AILING ADDR	RESS	73,4		Ines	520	John		
Ç	.O. Box 160	1			611	Joey		
CITY		STATE	ZIP CODE	1		/		
5,	Campic	125	67367					
OB TYPE 2		HOLE SIZE	63/4-	HOLE DEPT	H 945	CASING SIZE & V	VEIGHT 41/2"	
ASING DEPT	H 939	DRILL PIPE_		_TUBING			OTHER	
LURRY WEIG	HT /3.4#	SLURRY VOL	32 861	WATER gal	/sk_ 9.6	CEMENT LEFT in	CASING 6'	
ISPLACEMEN	IT 15 Bb)	DISPLACEME	NT PSI 400	MIK PSI 9	00 Bungaling	RATE		
						Washdaws	15 ft to	POTO.
Pune 10	383 50/-flux	h 4/hull	3. 20 Rbl	caustic	sade pre-flus	L, 8 Bbl a	tue water. A	Dixed
100 345	thickset co	ment w/	8 # Kol-sed	154. 48 to)	reposed/xx & Y	490 CFL-115 @	13.40/901.	washut
A-2 + /	ines celease	latch do	in alse. O	Isalan L	1 15 BN fre	sh water. Fir	nal pure or	:350/6
HAD DAT	B. a also	- 900 PS	I wait 2		close Oresine	flat + plus	held Good	1 cement
501 1	Sup pag	2 811 11	4 0:4	The	plate Rigo	1-		
(ETVIAS T	D 54 199 -	7 1561 5/1	1 TO 117.	J40 C00	piza. Kiy z			
			27	mor /a"				
ACCOUNT	QUANITY	or UNITS	DI	ESCRIPTION	of SERVICES or PF	RODUCT	UNIT PRICE	TOTAL
5401	1		PUMP CHAR	GE			1030.00	1030.0
e.1.1	114		MILEAGE				4 40	1100.00

CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1030.00	1030.00
5406	46	MILEAGE	4.00	160.00
1126A	100 SES	thickset compat	19.20	1920.00
1110A	866 *	8th Kol-san Ish	.46	368.00
IIOA	12 **	1/8 phonese of /sk	1.29	15.48
1135A	25*	1470 CEL-115	10.55	263.75
11186	500#	gel-flah	.21	105.00
1105	50#	bulls	.44	22.00
1103	1007	coustic some pre-flush	1.61	16).00
5407	5.5	ten mileage but TIX	m/L	350.00
4453	1	41/2" later down glus	155.66	155.00
4156	,	41/2" flage type floot shoe	125.00	175.00
			subtetal	4725.23
	0	249082 632	SALES TAX	200.69
vin 3737	-11-	3/	TOTAL	4925.92

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.

Air Drilling Specialist Oil & Gas Wells

THORNTON AIR ROTARY, LLC

Office Phone: 620-879-2073

PO Box 449 Caney, KS 67333

Date Started	4/11/2012
Date Completed	4/12/2012

Well No.	Operator	Lease	A.P.I#	County	State	
14G-20	Layne Energy Operating	Oliver	15-125-32186-00-00	Montgomery	Kansas	
1/4	1/4	1 44				
1/4	1/4	1/4	Sec.	Twp.	Rge.	
			20	32	14	
Driller	Type/Well	Company	6	T = . T		
	Type/ Well	Cement Used	Casing Used	Depth	Size of Hole	
Brantley		4	22' 7" 8 5/8	945	63/4	

Formation Record

0-41	SHALE	837-862	SANDY SHALE / LIGHT ODOR		
41-51	LIME	862-900	SHALE		
51-105	SHALE	900-920	LIME		
105-126	LIME	920-925	SHALE		
126-212	SHALE	925-926	COAL		
212-250	SAND	926-945	SHALE		
250-330	SHALE	945	TD		
330-340	LIME				
340-360	SHALE				
360-365	SAND				
365-370	SHALE				
370-380	SAND				
380-420	SHALE				
420-441	LIME				
441-450	SHALE				
450-460	LIME				
460-500	SAND				
500-526	SHALE				
526-527	COAL				
527-697	SHALE				
697-712	LIME				
712-759	SANDY SHALE				
759-772	LIME			-	
772-779	SANDY SHALE				
779-783	LIME			1	
783-795	SANDY SHALE				
795-820	SAND / LIGHT ODOR				
	WENT TO WATER				
820-837	DARK SAND / GOOD ODOR				
827	OIL SHOW IN PIT				

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

June 21, 2012

Victor H Dyal Layne Energy Operating, LLC PO BOX 160 SYCAMORE, KS 67363

Re: ACO1 API 15-125-32186-00-00 Oliver 14G-20 SW/4 Sec.20-32S-14E Montgomery County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Victor H Dyal