

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1064327

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:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from Cast / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
	, ,
New Well Re-Entry Workover Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Total Depth: Plug Back Total Depth: 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.
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name: Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Chioride content: ppm Fluid volume: bbis
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 #:	Quarter Sec TwpS. R East West
ENHR Permit #: GSW Permit #:	County: 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	1064327
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes N	0			n (Top), Depth and		Sample
Samples Sent to Geolog	gical Survey	Yes N	0	Name			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ N ☐ Yes ☐ N ☐ Yes ☐ N	0					
List All E. Logs Run:								
		CAS	SING RECORD	New	/ Used			
		Report all strings	set-conductor, sur	face, inter	mediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weigh Lbs. / F		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					ement Squeeze Record d of Material Used)	Depth			
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENHF	λ .	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit)	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Subi	mit ACC)-18.)		Other (Specify)						

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

MORNING COMPLETION REPORT

LEASE NAME & # AFE# DATE DAYS CIBP PParty COTTON 6 4 F/172011 1 TYPE FLUID TYPE FLUID PRESENT OPERATION: DRILLO UT FROM UNDER SURFACE WT WT WT PRESENT OPERATION: DRILLO UT FROM UNDER SURFACE WT WT WT PRESENT OPERATION: DRILLO UT FROM UNDER SURFACE WT WT WT PACKER OR ANCHOR FISHING TOO ID TOO TOO TOO PACKER OR ANCHOR FISHING TOO ID TEST PERFS TOO TOO PACKER OR ANCHOR FISHING TOO ID TEST PERFS TOO TOO HRS BRIEF DESCRIPTION OF OPERATION TOO TOO TOO TOO MIRU THORNTON DRILLING, DRILLED 11" HOLE, 21.5' DEEP, RIH W/1 JT 8 5/8' SURFACE CASING, MIXED 4 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN. DETALS OF RENTALS, SERVICES, & MSC MIXED 4 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN. DETALS OF RENTALS, SERVICES, & MSC MIXED 4 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN. DETALS OF RENTALS, SERVICES, & MSC DRILLY COST ANALYSIS DETALS OF RENTALS,	Report Called in by:	JACOB		Report taken by:		the first of the second second
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MISC	RENTALS					
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MISC	SERVICES					
	MISC					
	DAILY TOTALS	0 000	VIOUS TOTO	0	TOTO	0

	TICKET NUMBER 30695
CONSOLIDATED	LOCATION EULERA
Oil Well Services, LLC	FOREMAN RICK Led ford

O Box 884, Chanute, KS 66720

FIELD TICKET & TREATMENT REPORT

620-431-9210	or 800-467-8676	3		CEMEN	r Al)] # 15-125-	32103	al remain and
DATE	CUSTOMER #	and the second	NAME & NUME	BER	SECTION	TOWNSHIP	RANGE	COUNTY
10-23-11	4758	Cotten	6-4		. 4	345	:16E	MG
CUSTOMER ,	and the state of the	Augusta in the August	Sector Sector	BUTHIT				THE PARTY !!
a second s	anne Ener	SV		nicka - h	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDR		and the second	ja ik dili an	and a start	445	Shannon	·注意的第三人称单数	nn (2.50 a) a
PO	. Box 160				543	Allen B.		the second second
CITY	and the second state	STATE	ZIP CODE			2110	n-filmmin -	A VOLTER TE
Syco	amole	125	67363	dinab (na inadal ala	California (California)
JOB TYPE	A CONTRACTOR OF	HOLE SIZE	03/4"	HOLE DEPTH	1183'	CASING SIZE & V	VEIGHT 41/2	10.50
CASING DEPTH	1182	DRILL PIPE				A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR A CONTRAC	OTHER	
SLURRY WEIGI	HT_13.4#	SLURRY VOL_	44 BBI	WATER gal/s	k <u>8.</u>	CEMENT LEFT in	CASING	all all the second
DISPLACEMEN	T 18 8 B51				Bung plus	RATE	When all the star	ue of sharende
REMARKS: 5	afety meet	ing - Rig	10 to 11/2	"casing.	BICAN CHC	Notion up 2.	5 Bbl frest	water.
Puno 10	SKS gol-flish	1.1 hulls	5 BbI W	ater spaces	15 Bbl	caustic soda	pre-flush,	10 B51
due lat	er Mixed	146 545 71	nickset rem	nt 1/8"	Kotspan/sk.	18# phenosral/s	1 + 14% CJ.	1-115 @
13 11 + / 001	due water. Mixed 146 sus thickset cement up 8" Kotspailsk, Vet phenospailse + Vuto cTI-115 @ 13.4# (gol: washed pump + lines, celease latch down plug. Displace up 18.8 Bbl forsh water.							
Figal Ama	Final pup pressure Too PST. Bung plug to 1100 PST. release pressure, float + plug held Good							
Cemeti	eturn's to s	unfare = 7 (351 Slurry	to pit. 5	Job consilete	. Ris down.	ant is living	and the state of the
	energia de si	TELLE STELLE		it with	The second			

THANK You

CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	The man which we have a second	PUMP CHARGE	975.00	975.00
5406	46	MILEAGE	4.00	160.00
P.M. Dangle	wind the water of the hear of	and the second	and the second of the	designific on
1126A	140 5115	thickset cernent	18.30	2562.00
1110A	1120#	8+ Kol-sea)/s/	. 44	492.80
11074	18#	18th phenosral/su	1.22	21.96
1135A	35*	YI 90 CFL-115	9.95	348.23
H J H		here him has they only the firm of	ynai suuret	mont district
11183	5007	gel-flish	.20	100.00
1105	50#	hulls intro-provident and independent	.12	21.00
1103	100 **	Coustic soda	1.52	152.00
1105		and generating the second s	AL PROPERTY	previous lique
54074	7.7	ton mileage bulk tik	1.26	388.08
1156	1	41/15" flagge value flood shoe	175.00	175.00
1453	The second se	1/2: Ister dan plus	153.00	155.00
SLe 14	4 hs	welder	80.00	320.00
311	1	4'le' weld on colla	70.00	70.00
511		in mindle bideind to bide the state	Subtate'	5941.00
		6.3%	SALES TAX	258.17
3737		1-0.	ESTIMATED TOTAL	6199.26

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	6/17/2011				
Date Completed	6/22/2011				
Well No.	Operator	Lease	A.P.I #	County	State
6-4	Layne Energy Operating	Cotton	15-125-32103-00-00	Montgomery	Kansas
1/4	1/4	1/4	Sec.	Twp.	Rge.
			4	34	16
Driller	Tune (Mall	Constitut	Cosing Lload	Dopth	Size of Hole
Driller	Type/Well	Cement Used	and the second	Depth	
Billy	Gas	4	21.6' 85/8	1183	63/4

Formation Record

0-5	DIRT	753-754	COAL	
5-34	SAND (WET)	754-763	SHALE	
34-62	SANDY SHALE	763-765	LIME (V-LIME)	
62-82	LIME	765-766	BLACK SHALE	
82-271	SANDY SHALE	766-767	COAL ? (CROWBERG)	
271-273	BLACK SHALE	767-822	SHALE	
273-330	SHALE	811	GAS TEST - SAME	
330-348	SAND	822-823	COAL (MINERAL)	
348-380	SHALE	823-846	SHALE	
380-405	LIME	837	GAS TEST - SAME	
405-445	SHALE	846-851	SANDY SHALE	
445-496	SAND	851-897	SHALE	
496-539	SHALE	897-898	COAL (VEIR)	
539-557	LIME (PAWNEE)	898-902	SANDY SHALE	
557-562	BLK SHALE (LEXINGTON)	902-908	SAND	
562-646	SHALE	908-927	SANDY SHALE	
586	GAS TEST - NO GAS	912	GAST TEST-SLIGHT BLOW	
646-675	LIME (OSWEGO)	927-940	SAND	
675-682	BLK SHALE (SUMMIT)	940-1022	SHALE	
682-710	LIME	1022-1064	SUGAR SAND	
686	GAS TEST - NO GAS	1030	WATERED OUT, TRICONE C	DN
710-715	BLK SHALE (EXCELLO)	1064-1103	SHALE	
715-716	COAL (MULKY)	1074	BIT QUIT DRILLING, TRIPPED O	DUT
716-724	LIME	1103-1104	COAL (ROWE)	
724-737	SHALE	1104-1164	SHALE	
736	GAS TEST - NO GAS	1164-1165	COAL	
737-739	LIME	1165-1169	SHALE	
739-740	COAL	1169-1183	MISS/CHATT (MISS.)	
740-753	SHALE	1183	TD	
761	GAS TEST - NO GAS			

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/

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner Sam Brownback, Governor

September 29, 2011

Victor H. Dyal Layne Energy Operating, LLC P O Box 160 Sycamore, KS 67363

Re: ACO1 API 15-125-32103-00-00 Cotton 6-4 NW/4 Sec.04-34S-16E 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