

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1137674

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:	Sec TwpS. R East West
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: ()	
CONTRACTOR: License #	
Name:	
Wellsite Geologist:	
Purchaser:	
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	
Oil       WSW       SWD       SI         Gas       D&A       ENHR       SI         OG       GSW       Te         CM (Coal Bed Methane)       Cathodic       Other (Core, Expl., etc.):	IOVal Depth.       Pilug Back Total Depth.         IOW       Amount of Surface Pipe Set and Cemented at:       Feet         IGW       Multiple Stage Cementing Collar Used?       Yes No         Iemp. Abd.       If yes, show depth set:       Feet         If Alternate II completion, cement circulated from:       feet depth to:       sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan
Well Name:          Original Comp. Date:          Deepening       Re-perf.       Conv. to ENHR       C         Conv. to GSW	
Plug Back: Plug Back Total D	epth Location of fluid disposal if hauled offsite:
SWD Permit #:	
ENHR Permit #:	
GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion 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
Confidential Release Date:
Wireline Log Received     Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Side Two	1137674
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 No		]Log Formatio	on (Top), Depth an	d Datum Top	Sample
Samples Sent to Geolog	gical Survey	Yes No		ame		юр	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASI	NG RECORD	New Used			
		Report all strings s	et-conductor, surface,	intermediate, produc	tion, 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 / 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 Specify For	RECOF	RD - Bridge P Each Interval F	lugs Set/Typ Perforated	e			ement Squeeze Record of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	ł.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	s.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF (	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Uually (Submit )	Comp. ACO-5)	Commingled (Submit ACO-4)		
(If vented, Sul	bmit ACC	)-18.)		Other (Specify)						<u></u>

Franklin County, KS Well: Luckan 14 Lease Owner: BG-5

Town Oilfield Service, Inc. Commenced Spudding: (913) 837-8400 11/1/2012

### WELL LOG

## 15-059 - 26250

Thickness of Strata	Formation	Total Depth
0-15	Soil-Clay	15
20	Shale	35
24	Lime	59
8	Shale	67
10	Lime	77
8	Sandy Shale	85
30	Lime	115
2	Shale	117
21	Lime	138
83	Sandy Shale	221
22	Lime	243
13	Shale	256
6	Shale	262
6	Lime	268
30	Shale	298
10	Lime	308
6	Shale	314
1	Lime	315
15	Shale	330
26	Lime	356
9	Shale	365
21	Lime	386
4	Slate	390
3	Lime	393
3	Shale	396
5	Lime	401
2	Shale	403
3 -	Sandy Shale	406
8	Sand	414
102	Sandy Shale	516
9	Sand	525
25	Sandy Shale	550
6	Lime	556
2	Sandy Shale	558
2	Sand	560
3	Sandy Lime	563
3	Sand	566
8	Sandy Shale	574
8	Lime	582
18	Shale	600

Franklin County, KS Well: Luckan 14 Lease Owner: BG-5

# Town Oilfield Service, Inc. Commenced Spudding: (913) 837-8400 Commenced Spudding: 11/1/2012

Lime	606
Shale	622
Lime	625
Shale	638
Lime	641
	665
	669
	670
Sand	673
Sand	680
Sand	681
Sandy Shale	717
Sand	722
Sandy Shale	736
	738
Sandy Shale	780-TD
	Shale         Lime         Shale         Lime         Shale         Sandy Shale         Sand         Sandy Shale         Sandy Shale         Sandy Shale         Sandy Shale         Sandy Shale         Sand and Sandy Shale

620-431-9210	Oli Wali Services Chanute, KS 66720 or 800-467-8676	23 March 2017	& TREATN	MENT REF	TICKET NUL LOCATION_ FOREMAN( PORT		5099 J
DATE	CUSTOMER #	WELL NAME & NUMB		SECTION	TOWNSHIP	RANGE	COUNT
11/2/12	1564 1	Cucking # 14	/ S	W 35	15		COUNT
CUSTOMER	BG-51				1 1 S	<u> </u>	FR
MAILING ADDR	ESS	hC.		TRUCK #	DRIVER	TRUCK#	DRIVER
39.3				481	Casken	Van S	Aly Hack
CITY	1 0 112 (	ATE ZIP CODE		day	KeiCar	V	Charles - COR
Ranto	1		V	503	Dan Det	V	L
OB TYPE Jou		KS (06079)		370	Jas Ric	V	
CASING DEPTH	Laundi		HOLE DEPTH	1801	CASING SIZE &	WEIGHT 4	2"
				· · · · · ·		OTHER	
	11 02111		WATER gal/sk		CEMENT LEFT		
REMARKS: La		SPLACEMENT PSI	MIX PSI		RATE 4.5		
~ 0 .0 .0	1 V	etive, established	1 circulati	on , wi	ad tour	and 100	# Promis
set toll	ound by 11	60015 Yrosh unto	er, mixed	1tpm	red le bbl	5 due in	action
dixed F	pumped	11 Le sks 5950 F	POZMIX	cemen	t un 2º	2 2 2 1 1	H Y H
neno sea	Sper sk,			Pushed	ours de	o gan	12 th
-	ug to casiv	5 TD w 11.83	bus free	h water	. Cerup.	+ Los	ped 4/2
ressured	to 800 P	SI, released pres	ssure, the	checked	plus dei	the li	tace,
			· · ·		1-2-4	a w/ u	riceline.
	and an antique				1	77)	
Constanting of the				1	11-	1X-	·
ACCOUNT					(	127	
ACCOUNT	QUANITY or L	INITS DESC	CRIPTION of SER	VICES or PRC			
CODE	QUANITY or L		CRIPTION of SER	VICES or PRC			TOTAL
code 5401	/	PUMP CHARGE	CRIPTION of SER	VICES or PRC			TOTAL 1030.00
CODE 5401 5406	QUANITY or L 20 mi 742 '	PUMP CHARGE MILEAGE		VICES or PRC			1030.00
CODE 5401 54060 5402	1 20 mi 742 '	PUMP CHARGE MILEAGE	sotage	VICES or PRC			1030.00
CODE 5401 5406 5402 5407	20 mi 742 ' minimum	PUMP CHARGE MILEAGE		VICES or PRC			1030.00 80.00 n/c
CODE 5401 5406 5402 5407	1 20 mi 742 '	PUMP CHARGE MILEAGE	sotage	VICES or PRC			1030.00 80.00 n/c 350.00
CODE 5401 5406 5402 5407	20 mi 742 ' minimum	PUMP CHARGE MILEAGE	sotage	VICES or PRC			1030.00 80.00 n/c 350.00
CODE 5401 5406 5402 5407 5502C	20 mi 742 ' minimum 2 hrs	PUMP CHARGE MILEAGE casing to ton nuite 80 chac	otage eage				1030.00 80.00 n/c 350.00
CODE 5401 5406 5402 5402 5502C	1 20 mi 742 ' minimum 2 hrs 116 \$	PUMP CHARGE MILEAGE casing to ton nuite 80 chac	otage eage				1030.00 80.00 n/c 350.00 180.00
CODE 5401 5406 5402 5402 5502C	1 20 mi 742' minimum 2 hrs 116 \$2 295 #	PUMP CHARGE MILEAGE Casing to ton nuite 80 Chr.	eage unix ceu				1030.00 80.00 11/C 180.00
CODE 5401 5406 5402 5407 5502C 1124 1124 118B 107A	1 20 mi 742 ' minimum 2 hrs 116 \$	PUMP CHARGE MILEAGE Casing for ton nuite 80 Chac 50/50 Pop Premium (	eage unix ceur G-el				1030.00 80.00 11/C 180.00 180.00
CODE 5401 5406 5402 5407 5502C 1124 1124 118B 107A	1 20 mi 742' minimum 2 hrs 116 \$2 295 #	PUMP CHARGE MILEAGE Casing for ton nuite 80 Chac 50/50 Pop Premium (	eage unix ceur G-el				1030.00 80.00 11/C 180.00 180.00 1270.20 61.95 74.82
CODE 5401 5406 5402 5407 5552C 1124 118B 107A	1 20 mi 742' minimum 2 hrs 116 \$2 295 #	PUMP CHARGE MILEAGE Casing to ton nuite 80 Chr.	eage unix ceur G-el				1030.00 80.00 11/C 180.00 180.00
CODE 5401 5406 5402 5407 5502C 1124 1124 1124 107A 107A	1 20 mi 742' minimum 2 hrs 116 \$2 295 #	PUMP CHARGE MILEAGE Casing for ton nuite 80 Chac 50/50 Pop Premium (	eage unix ceur G-el				1030.00 80.00 11/C 180.00 180.00 1270.20 61.95 74.82
CODE 5401 5406 5402 5407 5502C 1124 1124 1124 107A 107A	1 20 mi 742' minimum 2 hrs 116 \$2 295 #	PUMP CHARGE MILEAGE Casing for ton nuite 80 Chac 50/50 Pop Premium (	eage unix ceur G-el				1030.00 80.00 11/C 180.00 180.00 1270.20 61.95 74.82
CODE 5401 5406 5402 5407 5502C 1124 1124 1124 1183 107A 107A	1 20 mi 742' minimum 2 hrs 116 \$2 295 #	PUMP CHARGE MILEAGE Casing for ton nuite 80 Chac 50/50 Pop Premium (	eage unix ceur G-el				1030.00 80.00 11/C 180.00 180.00 1270.20 61.95 74.82
CODE 5401 5406 5402 5407 5502C 1124 1124 1124 107A 107A	1 20 mi 742' minimum 2 hrs 116 \$2 295 #	PUMP CHARGE MILEAGE Casing for ton nuite 80 Chac 50/50 Pop Premium (	eage unix ceur G-el				1030.00 80.00 11/C 180.00 180.00 1270.20 61.95 74,82
CODE 5401 5406 5402 5407 5502C 1124 1124 1124 107A 107A	1 20 mi 742' minimum 2 hrs 116 \$2 295 #	PUMP CHARGE MILEAGE Casing for ton nuite 80 Chac 50/50 Pop Premium (	eage unix ceur G-el				1030.00 80.00 11/C 180.00 180.00 1270.20 61.95 74.82
CODE 5401 5406 5402 5407 5502C 1124 1124 1124 107A 107A	1 20 mi 742' minimum 2 hrs 116 \$2 295 #	PUMP CHARGE MILEAGE Casing for ton nuite 80 Chac 50/50 Pop Premium (	eage unix ceur G-el				1030.00 80.00 11/C 180.00 180.00 1270.20 61.95 74.82
CODE 5401 5406 5402 5407 5502C 1124 1124 118B 107A 404 107A	1 20 mi 742' minimum 2 hrs 116 \$2 295 #	PUMP CHARGE MILEAGE Casing for ton nuite 80 Chac 50/50 Pop Premium (	eage unix ceur G-el				1030.00 80.00 11/C 180.00 180.00 1270.20 61.95 74.82
CODE 5401 5406 5402 5407 5502C 1124 1118B 107A HO4	1 20 mi 742' minimum 2 hrs 116 \$2 295 #	PUMP CHARGE MILEAGE Casing for ton nuite 80 Chac 50/50 Pop Premium (	eage unix ceur G-el		- рист 	SALES TAX	1030.00 80.00 11/C 180.00 180.00 1270.20 61.95 74.82
CODE 5401 5406 5402 5402 5402 502C 1124 1124 1124 107A 404 107A 404 107A 404	1 20 mi 742' minimum 2 hrs 116 \$2 295 # 58 # 1	PUMP CHARGE MILEAGE MILEAGE Casing to ton nuite 80 Chic Solo Poge Premium ( Phenosea 4/1/2" rubb	eage unix ceur G-el			SALES TAX ESTIMATED	1030.00 80.00 11/C 350.00 180.00 1270.20 61.95 74.82 45.00
CODE 5401 5406 5407 502C 1124 118B 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A 107A	1 20 mi 742' minimum 2 hrs 116 \$2 295 # 58 # 1	PUMP CHARGE MILEAGE Casing for ton nuite 80 Chac 50/50 Pop Premium (	sotage eage Sel l ber plug	ent	7.8%	SALES TAX ESTIMATED TOTAL	1030.00 80.00 11/C 350.00 180.00 1270.20 61.95 74.82 45.00 11.3.26 3205.20