KOLAR Document ID: 1350400

Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5150
Name: Colt Energy Inc
Address 1: PO BOX 388
Address 2:
City: IOLA State: KS Zip: 66749 + 0388
Contact Person: Deb Ballard
Phone: (620) 365-3111
CONTRACTOR: License # 34953
Name: King, Andrew D.
Wellsite Geologist: Deb Ballard
Purchaser:

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover
☑ Oil ☐ WSW ☐ SWD
☐ Gas ☐ DH ☐ EOR
☐ OG ☐ GSW
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

2/17/2017 Spud Date or Recompletion Date
2/22/2017 Date Reached TD
3/10/2017 Completion Date or Recompletion Date

API No.: 15-207-29405-00-00
Spot Description:
NE - NW - SW - NW Sec. 23 Twp. 26 S. R. 14 ☑ East ☐ West
1485 Feet from ☑ North / ☐ South Line of Section
495 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Woodson
Lease Name: SCHAFER Well #: CS-21
Field Name:
Producing Formation: Bartlesville
Elevation: Ground: 926 Kelly Bushing: 931
Total Vertical Depth: 1435 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 40 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 1435 w/ 165 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: ppm Fluid volume: bbls
Dewatering method used:
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
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: 03/30/2017
☑ **Confidential Release Date:** 03/30/2019
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Karen Ritter **Date:** 04/03/2017

Operator Name: Colt Energy Inc Lease Name: SCHAFER Well #: CS-21

Sec. 23 Twp. 26 S. R. 14 ☑ East ☐ West County: Woodson

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☐ Yes	☐ No

List All E. Logs Run:

GR/N

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
See Drillers Log Attached		

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, 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
Surface	11.25	8.625	22	40	Portland	14	None
Production	6.75	4.5	9.5	1380	Thick Set	165	Pheno-Seal 2#/sx

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

1. Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☑ No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/ Injection: 3/14/2017

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	6		25		

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom
1265-1300	

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: 2.375 Set At: 1328 Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Colt Energy Inc
Well Name	SCHAFER CS-21
Doc ID	1350400

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	1265-1274	174 BBL of Gel'd water, 5 sx 16/30 sand, and 45 sx of 12/20 sand	1265-1300
4	1276-1278		
4	1280-1290		
4	1293-1295		
4	1296-1300		

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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	11.25	8.625	22	40	Portland	14	None
Production	6.75	4.5	9.5	1380	Thick Set	165	Pheno-Seal 2#/sx

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

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. **3140**
Foreman Rick Ledford
Camp Eureka KS

15-207-29405

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
2-27-17	1003	Schafer CS-21				Woodson	KS

Customer: Colt Energy Inc.
Mailing Address: P.O. Box 388
City: Iola | State: Ks | Zip Code: 66749
Safety Meeting: RI, Alan, Greg

Unit #	Driver	Unit #	Driver
104	Alan M.		
110	Rick L.		
120	Greg M.		

Job Type: L/S | Hole Depth: 1436' | Slurry Vol.: 51 1/5 bbl | Tubing:
Casing Depth: 1380' | Hole Size: 6 3/4" | Slurry Wt.: 13.8# | Drill Pipe:
Casing Size & Wt.: 4 1/2" 10.5# | Cement Left in Casing: 4' SJ | Water Gal/SK: 9.0 | Other:
Displacement: 22 Bbl | Displacement PSI: 750 | Bump Plug to: 1250 | BPM:

Remarks: Safety meeting - Rig up to 4 1/2" casing. Break circulation w/ fresh water. Pump 6 sks gel-flush w/ hulls, 5 Bbl water space. Mixed 165 sks thickset cement w/ 2# gilsonite @ 13.8# /gal. Washout pump + lines, release 4 1/2" rubber plug. Displace w/ 22 Bbl fresh water. Final pump pressure 750 PSI. Bump plug to 1250 PSI release pressure, float + plug held. Good cement returns to surface - 6 Bbl slurry to pit. Job complete. Rig down.

Thank You

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	[redacted]	[redacted]
C107	25	Mileage	[redacted]	[redacted]
C201	165 sks	thickset cement	[redacted]	[redacted]
C208	330#	2# gilsonite/sk	[redacted]	[redacted]
C206	300#	gel-flush	[redacted]	[redacted]
C214	40#	hulls	[redacted]	[redacted]
C108A	9.08	ton mileage bulk trk	[redacted]	[redacted]
C403	1	4 1/2" top rubber plug	[redacted]	[redacted]
			Subtotal	[redacted]
			Sales Tax	[redacted]
			Total	[redacted]

Authorization: R. Ballard Title: _____

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

Mud Rotary Drilling
Andrew King - Manager/Driller

Bar Drilling, LLC

Phone: (719) 210-8806

1317 105th Rd.
Yates Center, KS 66783

Company/Operator	Well No.	Lease Name	Well Location	1/4	1/4	1/4	Sec.	Twp.	Rge,
Colt Energy Inc	CS - 21	Schafer	495'fwl, 1485 fnl	NE	NW	SW	23	26s	14e
P O Box 388	**Well API #**	**Type/Well**	**County**	**State**	**Total Depth**		**Date Started**		**Date Completed**
Iola, KS 66749	15-207-29405	Oil	Woodson	KS	1435		2/17/2017		2/22/2017

Job/Project Name/No.	Surface Record		Bit Record				Coring Record				
			Type	Size	From	To	Core #	Size	From	To	% Rec.
Driller/Crew	**Bit Size:**	11 1/4	PDC	11 1/4	0'	40	1	3"	1276	1306	99
Andy King	**Casing Size:**	8 5/8	PDC	6 3/4	40	1435					
Charles King	**Casing Length:**	40									
	Cement Used:	14sx									
	Cement Type:	Portland									

Formation Record

From	To	Formation	From	To	Formation	From	To	Formation
0	11	overbuden	1384	1435	Miss Lime			
11	199	shale						
199	464	lime						
464	544	shale						
544	710	lime						
710	814	shale						
814	821	lime						
821	846	shale						
846	859	lime						
859	958	shale						
958	974	lime						
974	1002	shale						
1002	1019	lime						
1019	1033	shale						
1033	1038	lime						
1038	1046	coal						
1046	1048	lime						
1048	1084	sq. sand				**Well Notes:**		
1084	1273	shale				Ran 4 1/2" Casing		
1273	1276	sand oil show						
1276	1306	core						
1306	1384	sandy shale						