

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
November 2016

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

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 #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical 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: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ 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: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No TCores aken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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**COLT ENERGY, INC.**

**Plugging Report**

12/21/2015

Well: **Schafer #CS-18**

3520 FSL, 891 FEL

Section 22-T26S-R18E

Woodson County, KS

API #15-207-29316

Bore hole size: 6.75"

Total Depth (TD): 1453'

Casing: 8 5/8" surface csg set at ~~40.40'~~ <sup>60.5</sup>, no other casing

**12/17/2015**

BAR Drilling Co. run in open ended drill pipe to within 1 foot of TD, had to circulated down the last joint, W & W Production Co. (the cementers) plumbed up to same and "gelled the well bore up" (pumped in a mixture of bentonite, water, and cotton seed hulls which were added for lost circulation material), after which, pumped in a 200' cement plug, again mixed in some cotton seed hulls, at 1452', then the drill pipe was pulled up to 1140' and a 100' cement plug was pumped in, less the cotton seed hulls, this was to cover over the "Squirrel" Sand Zone, the drill pipe was pulled up to 500' and a 50' cement plug was pumped in, the drill pipe was pulled up to 250' and cement was circulated from this depth to the surface. Mr. Mike Heffern, KCC representative, approve the plugging procedure and results.

**Summary:**

Cement from 1452' to 1252' (56.3+/- sx)

Gel spacer from 1252' to 1140'

Cement from 1140' to 1040' (28.1+/- sx)

Gel spacer from 1040' to 500'

Cement from 500' to 450' (14.08+/- sx)

Gel spacer from 450' to 250'

Cement from 250' to surface (70.41+/- sx)

**Used:**

169 sacks of common Portland cement with no additives (apx. 3.55 ft. / sx)

15 sack of bentonite ("gel")

3 sacks of cotton seed hulls

Rex. R. Ashlock

For: Colt Energy, Inc.

# End of Well Report

## Well: Schafer CS18

3520FSL & 891FEL

Sec 22-T26S-R14E

Woodson Co., Kansas

API # 15-207-29316

Elevation: 982 est based on surrounding surveyed locations

Drilling Contractor: BAR Drilling LLC

Spud: 12/10/2015

Surface Casing: 60.5' of 8 5/8" csg w/16sx cmt

Under Surface: 12/11/2015

Drilling Fluid: Water and "native" mud and little polymer

Production Bore Hole: 6.75"

Rotary Total Depth (RTD): 1453

Geophysical E-Log(s): CDL and IDL by Osage Wireline 12/14/2015

Production Casing: Due to lack of "commercial" show of oil, well was plugged

Refer to Plugging Report by Rex Ashlock - 12/17/2015

Plugged through drill pipe - BAR Drilling LLC

## FORMATION TOPS

Formation Member	DL/SPL Tops	E-Log (Rdd)	Datum (MSL)
Kansas City	572	572	410.0
Stark SH	660	660	322.0
Hushpuckney SH	700	700	282.0
Base of KC	759	759	223.0
Old DL Base KC	774	774	208.0
South Mound SH	871	871	111.0
Lenapah LS	877	877	105.0
Weiser SS	956	956	26.0
Mulberry Coal	1007	1007	-25.0
Pawnee LS	1014	1014	-32.0
Myric Station LS	1030	1030	-48.0
Anna (Lex. Coal Zn) SH	1033	1033	-51.0
Fort Sct LS	1058	1058	-76.0
Little Osage (Sum Coal Zn) SH	1077	1077	-95.0
Excello SH	1092	1092	-110.0
Squirrel SS	1104	1104	-122.0
Bevier Coal	1157	1157	-175.0
Verdigris LS	1170	1170	-188.0
Croweburg "V" SH	1172	1172	-190.0
Fleming Coal	1210	1210	-228.0
Mineral Coal	1226	1226	-244.0
Scammon Coal	1239	1239	-257.0
Tebo SH	1261	1261	-279.0
BV SS Zone 4	1368	1368	-386.0
Mississippi LS	1451	1451	-469.0

# Bar Drilling, LLC

# INVOICE

1317 105th Rd  
Yates Center, KS 66783

DATE: December 20, 2015  
INVOICE #

**BILL TO:**  
Colt Energy Inc.  
P.O. Box 388  
Iola, KS 66749

**FOR:** Schafer CS-18

15-207-29316

DESCRIPTION	Quantity	RATE	AMOUNT
set 60.5' of 8 5/8" surface casing with 16 sacks of cement		included	
Drilled 1453' 6 3/4" hole.	1.00	8775.00	8,775.00
Plugged well	1.00	included	
Discounted 10%			877.50
SUBTOTAL			\$ 7,897.50
TAX RATE			
SALES TAX			
OTHER			
TOTAL			\$ 7,897.50

106000  
D15031109

THANK YOU FOR YOUR BUSINESS!

**Mud Rotary Drilling**  
**Andrew King - Manager/Driller**

**Bar Drilling, LLC**  
 Phone: (719) 210-8806

1317 105th Rd.  
 Yates Center, KS 66783

<b>Company/Operator</b> Colt Energy Inc. P.O. Box 388 Iola, KS 66749	<b>Well No.</b> cs 18	<b>Lease Name</b> Schafer	<b>Well Location</b> 3520' fsl, 891' fel				<b>1/4</b> SE	<b>1/4</b> NW	<b>1/4</b> SE	<b>Sec.</b> 22	<b>Twp.</b> 26s	<b>Rge,</b> 14e
	<b>Well API #</b> 15-207-29316		<b>Type/Well</b> Oil	<b>County</b> Woodson			<b>State</b> KS	<b>Total Depth</b> 1453		<b>Date Started</b> 12/10/2015	<b>Date Completed</b> 12/17/2015	
<b>Job/Project Name/No.</b>	<b>Surface Record</b>		<b>Bit Record</b>				<b>Coring Record</b>					
			<b>Type</b>	<b>Size</b>	<b>From</b>	<b>To</b>	<b>Core #</b>	<b>Size</b>	<b>From</b>	<b>To</b>	<b>% Rec.</b>	
<b>Driller/Crew</b>	<b>Bit Size:</b>	11 1/4	PDC	11 1/4	0'	60.5'						
Andy King	<b>Casing Size:</b>	8 5/8	PDC	6 3/4	60.5	1453'						
Charles King	<b>Casing Length:</b>	60.5'										
	<b>Cement Used:</b>	16sx										
	<b>Cement Type:</b>	Portland										

**Formation Record**

From	To	Formation	From	To	Formation	From	To	Formation
0	60	Overburden						
60	264	shale						
264	528	lansing lime						
528	603	shale						
603	770	Kc lime						
770	876	shale						
876	880	lime						
880	910	shale						
910	920	lime						
920	950	shale						
950	1012	sand						
1012	1058	shale						
1058	1072	lime						
1072	1103	shale						
1103	1110	sq sand oil show						
1110	1170	shale						
1170	1172	lime						
1172	1284	shale						
1284	1429	sandy						<b>Well Notes:</b> Plugged
1429	1437	shale						
1437	1452	sandy lime						
1452	1453	Miss Lime						





F103 Maintenance Chart Mining Services Chart

Company: *W.F. Gray*  
Location: *Scholar*

Equipment: *M2*

Chart No. *1350*

Date: *12-14-2015*

Time: *6 PM*

Operator: *T.D. 1953*

Remarks:

1350

1300

1250

1200

1150

1100

1050

1000

950

900

850

800

750

700

650

600

550

500

450

400

350

300

250

200

150

100

50

0

50

100

150

200

250

300

350

400

450

500

550

600

650

700