

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) (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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12/20

Elite Cementing & Acidizing of KS, LLC

810 E 7th, PO Box 92  
Eureka, KS 67045



Date	Invoice #
12/3/2015	2642

<b>Bill To</b>	
Colt Energy Inc. PO Box 388 Iola, KS 66749	
<b>Customer ID#</b>	1003

<b>Job Date</b>	12/3/2015
<b>Lease Information</b>	
Schafer <del>CS-16</del> CS-17	
<b>County</b>	Woodson
<b>Foreman</b>	RL

15-207-29304

Item	Description	Qty	Terms	Net 15
			Rate	Amount
C102	Cement Pump-Longstring	1	840.00	840.00
C107	Pump Truck Mileage (one way)	25	3.95	98.75
C201	Thick Set Cement	150	19.50	2,925.00T
C208	Pheno Seal	300	0.60	180.00T
C206	Gel Bentonite	300	0.20	60.00T
C214	Cottonseed Hulls	45	0.45	20.25T
C108A	Ton Mileage (min. charge)	1	345.00	345.00
C403	4 1/2" Top Rubber Plug	1	45.00	45.00T
D101	Discount on Services		-64.19	-64.19
D102	Discount on Materials		-161.51	-161.51T

APPROVED JA 12/7/2015

We appreciate your business!

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:  
Elite Cementing & Acidizing of KS, LLC  
PO Box 92  
Eureka, KS 67045

<b>Subtotal</b>	\$4,288.30
<b>Sales Tax (7.5%)</b>	\$230.16
<b>Total</b>	\$4,518.46
Payments/Credits	\$0.00
<b>Balance Due</b>	\$4,518.46

106000  
815029203

DEC 7 2015



## END OF WELL REPORT

### Well: Schafer CS17

3535 FSL & 256 FEL

Sec. 22-T26S-R14E

Woodson Co., Kansas

API # 15-207-29304

Elevation: 948 est based on surrounding surveyed locations

Drilling Contractor: BAR Drilling, LLC

Spud: 11/20/2015

Surface Casing: Set 42.5' of 8 5/8" csg cmtd w/12sx

Under Surface: 12/1/2015

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

Cored: 1290' - 1319'

Production Bore Hole: 6.75"

Rotary Total Depth (RTD): 1404

Geophysical E-Log(s): 12/2/2015 by Osage Wireline

Production Casing: Run in Hole by BAR Drilling: 1394.65' w/4' pup jt.

Elite Cementing cemented 12/3/2015 w/150 sx cmt.

### FORMATION TOPS

<u>Formation Member</u>	<u>DL/SPL Tops</u>	<u>E-Log (Rdd)</u>	<u>Datum (MSL)</u>
Kansas City	562	562	386.0
Stark SH	652	652	296.0
Hushpuckney SH	690	690	258.0
Base of KC	720	720	228.0
Old DL Base KC	735	735	213.0
South Mound SH	816	816	132.0
Lenapah LS	834	834	114.0
Weiser SS	913	913	35.0
Mulberry Coal	968	968	-20.0
Pawnee LS	976	976	-28.0
Myric Station LS	993	993	-45.0
Anna (Lex. Coal Zn) SH	997	997	-49.0
Fort Sct LS	1022	1022	-74.0
Little Osage (Sum Coal Zn) SH	1040	1040	-92.0
Excello SH	1054	1054	-106.0
Mulky Coal	1057	1057	-109.0
Squirrel SS	1076	1076	-128.0
Verdigris LS	1130	1130	-182.0
Bevier Coal	1133	1133	-185.0
Croweburg "V" SH	1135	1135	-187.0
Fleming Coal	1174	1174	-226.0
Mineral Coal	1189	1189	-241.0
Scammon Coal	1208	1208	-260.0
Tebo SH	1240	1240	-292.0
Tebo Coal	1250	1250	-302.0
Upper "Gas" BV Sandstone	1272	1272	-324.0
Bartlesville SS	1296	1296	-348.0
Mississippi LS	1403	1403	-455.0



**CONSOLIDATED**  
Oil Well Services, LLC

REMIT TO  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
1/10  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210, 1-800/467-8676  
Fax 620/431-0012

Invoice

Invoice#

806685

Invoice Date: 12/22/15

Terms: Net 30

Page 1

COLT ENERGY INC.

1112 RHODE ISLAND RD  
IOLA KS 66749  
USA  
6203653111

schafer  
cs-4, cs-10, cs-14, cs-17, cs-16

15-207-29304

CS-17

Part No	Description	Quantity	Unit Price	Discount(%)	Total
FE0251	Combo Unit, 1,300 HHP 1st (4) Four Hours	5.000	3,500.0000	60.000	7,000.00
FE1136	Flatbed Truck, Misc. Delivery	5.000	400.0000	60.000	800.00
FE0133	Flex-Hose Fluid Spotting Unit	5.000	500.0000	60.000	1,000.00
FC5005	15% Uninhibited HCL Acid (22 Baume)	250.000	3.9000	60.000	390.00
FC5251	CIA-2, Corrosion Inhibitor < 250 Degree F (Non-Acetylenic)	1.250	60.0000	60.000	30.00
FC5700	MaxSurf FBA (Surfactant/N.E./Remediation)	2.500	70.0000	60.000	70.00
FC5450	WG-1, Guar Gelling Agent	300.000	8.0000	60.000	960.00
FC5453	WG-2, CMHPG Gelling Agent	600.000	8.0000	60.000	1,920.00
FC5481	B-7LE, Enzyme Breaker	1.500	225.0000	60.000	135.00
FC5280	BIO-1 Powdered	14.000	35.0000	60.000	196.00
FE1054	3" Valve	5.000	500.0000	60.000	1,000.00
FE1000	Manual Ball Injector	5.000	600.0000	60.000	1,200.00
FC5176A	7/8" 1.3 Sp.Gr.RCN Ball Sealers	96.000	4.0000	60.000	153.60
FE0700	Proppant Delivery	1.000	1,000.0000	60.000	400.00
FE0002	Equipment Mileage Charge - Heavy Equipment	150.000	7.1500	60.000	429.00
WS2403	Water Transport (Frac Service)	24.000	120.0000	60.000	1,152.00
FP9003	16/30 Brown Sand	2,500.000	0.3000	60.000	300.00

1060000

CS4 D14028219 3993.42  
 CS10 D15027219 3993.42  
 CS14 D15028219 3993.42  
 CS17 D15030219 3993.43  
 CS16 D15029219 3993.43  
 19967.12

APPROVED JA  
12/24/2015

DEC 24 2015



**CONSOLIDATED OIL WELL SERVICES, LLC**

REMIT TO  
Consolidated Oil Well Services, LLC  
Dept: 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE

P.O. Box 884  
Chanute, KS 66720  
620/431-9210, 1-800/467-8676  
Fax 620/431-0012

Invoice

Invoice#

806685

Invoice Date: 12/22/15

Terms: Net 30

Page 2

COLT ENERGY INC.

1112 RHODE ISLAND RD  
IOLA KS 66749  
USA  
6203653111

schafer  
cs-4,cs-10,cs-14,cs-17,cs-16

Tax: 11.52  
Total: 19,967.12





# CONSOLIDATED Oil Well Services, LLC

PO BOX 804 STREET, CHANUTE, KS 66720  
620-431-8210 OR 800-467-8676

CS-4  
CS-10  
CS-14  
CS-17  
CS-16 FIELD TICKET

50MP  
492.4

TICKET NUMBER **51159**

LOCATION Thayer

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
12-18-15	1828	Schafer		22	26S	14E	WO	Bartlesville
CHARGE TO <u>Colt Energy Inc</u>				OWNER				
MAILING ADDRESS				OPERATOR				
CITY & STATE				CONTRACTOR				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
FE0251	5	PUMP CHARGE 1350 Combo		17500-
FE 1136	5	Iran truck		2000.00
FE0133	5	Acidspatter		2500-
FC5005	250 gal	15% HCL acid		975.-
FC5251	1 1/4	Inhibitor		75.-
FC5700	2 1/2	Maxsurf		175.00
FC6159	customer formation			
FC5450	300 #	Frac gel GA-40W	8.00	2400-
FC5453	600 #	Frac gel GA-30W ecopoly	8.00	4800-
FC5481	1 1/2	Breaker		337.50
FC5280	14 #	Biocide		490-
FE1054	5	3" Frac valve		2500-
FE1000	5	Ball injector		3000-
FC5176A	96	1.35G 7/8" Ballbeaters		384.-
		BLENDING & HANDLING		
FE0700	501	TON-MILES		1000
		STAND BY TIME		
FE0002	150	MILEAGE Mobilization X3 P,S,I		1072.50
WS2403	24 hrs	WATER TRANSPORTS - 3		2880-
		VACUUM TRUCKS		
FP9003	2,500 #	FRAC SAND 16-30		750-
FP9004	23,500 #	12-20		7050-
				28.80
			SALES TAX	449.17.50
			Less - 60 disc	

CUSTOMER or AGENTS SIGNATURE

COWS FOREMAN

Bratt Busby

CUSTOMER or AGENT (PLEASE PRINT)

DATE

12-17-15

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 services on the back of this form are in effect for services identified on this form.

44-75331. 49-62



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

4th well

TICKET NUMBER 61239  
FIELD TICKET REF # 51159  
LOCATION Thayer  
FOREMAN Brett Busby

**TREATMENT REPORT  
FRAC & ACID**

15-207-291304

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-17-15	1828	Schofer CS-17	22	20	14E	WO

CUSTOMER  
Colt Energy Inc.

MAILING ADDRESS

CITY STATE ZIP CODE

TRUCK #	DRIVER	TRUCK #	DRIVER
754	Josh		
745	London		
482	Mark		
582	Gary		
679T162	Travis		
RT95	Tambs		

**WELL DATA**

CASING SIZE <u>4 1/2</u>	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION <u>13, 13.9</u>	
<u>1284-1311 29</u>	<u>Bartlesville</u>
<u>1314 - 9.9, 13 = 116</u>	
<u>1333 13</u>	

**TYPE OF TREATMENT**

Acid spot + frac

**CHEMICALS**

<u>Breaker</u>	
<u>Acid</u>	
<u>Inhibitor</u>	
<u>Maxsurf</u>	

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
PAD	<u>30</u>	<u>20</u>				BREAKDOWN <u>900</u>
<u>16-30 sand</u>		<u>20</u>				START PRESSURE
<u>12-20 sand</u>		<u>20</u>	<u>1.5-1.5</u>	<u>2,000#</u>		END PRESSURE
<u>12-20 (10) Balls</u>		<u>20</u>	<u>2.0</u>			BALL OFF PRESS
<u>12-20 (10) Balls</u>		<u>1</u>	<u>2.0</u>	<u>1500#</u>		ROCK SALT PRESS
<u>12-20 (10) Balls</u>		<u>1</u>	<u>2.0</u>	<u>1500#</u>		ISIP <u>475</u>
<u>12-20 (10) Balls</u>		<u>1</u>	<u>2.0</u>	<u>1500#</u>		5 MIN <u>375</u>
<u>12-20 (10) Balls</u>		<u>1</u>	<u>2.0</u>	<u>1500#</u>		10 MIN <u>350</u>
<u>12-20 (10) balls</u>		<u>1</u>	<u>2.0</u>	<u>1500#</u>		15 MIN <u>310</u>
<u>12-20 (10) balls</u>		<u>20</u>	<u>1.0-2.0</u>			MIN RATE
FLUSH CASING	<u>10</u>	<u>20</u>		<u>1500#</u>		MAX RATE
Release balls to T.D.	<u>X2</u>		TOTAL	<u>8,000#</u>		DISPLACEMENT <u>21.7</u>
OVERFLUSH	<u>10</u>	<u>20</u>	SAND			
TOTAL BBL'S	<u>200</u>					

**REMARKS:**

Spotted 50 gal-15% HCL acid on perfs

Location 12:30 PM - 1:30 PM 50 miles

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE 12-17-15

Terms and Conditions are printed on reverse side.

SERVICE COMPANY: C.O.W.S.  
 TICKET NO: 61239  
 CUSTOMER NAME: COLT ENERGY INC.  
 WELL NAME: SCHAFER CS-17  
 WELL LOCATION: SEC 22-28S-14E WO. CO.

DATE RECORDED: 12/17/2015  
 JOB NO:  
 UNIT DESCRIPTION: BARTLESVILLE  
 UNIT NOTES: ACIDSPOT + FRAC  
 FILE NAME: COLTENERGYINC\_15\_12\_17\_#4.csv



Pen# 1: Pump Pressure ( Pressure : psi )

Pen# 2: Pump Rate ( Flowrate : bpm )

Pen# 1 Pen# 2  
 3800.00 23.00

3420.00 20.70

3040.00 18.40

2860.00 16.10

2280.00 13.80

1900.00 11.50

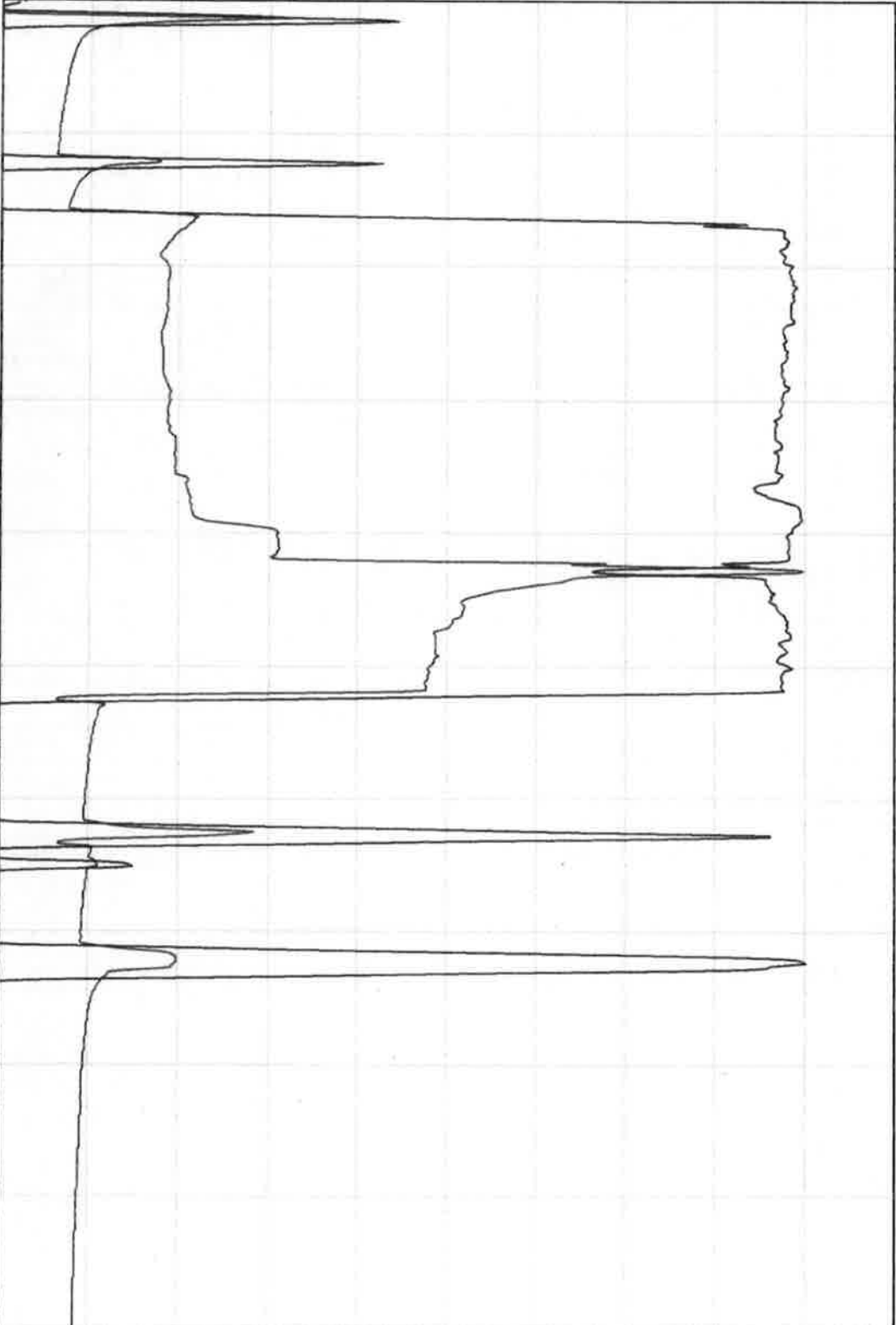
1520.00 9.20

1140.00 6.90

760.00 4.60

380.00 2.30

0.00 0.00



11:45:43 11:48:11 11:50:40 11:53:09 11:55:37 11:58:06 12:00:35 12:03:03 12:05:32 12:08:01 12:10:30

Well #: Schafer CS-17  
 Type: Producer

Formation: Bartlesville

Water: formation water

Perforations:

1284 - 1289	Shots	21
1291 - 1294	Shots	13
1297 - 1299	Shots	9
1304 - 1311	Shots	29
1314 - 1316	Shots	9
1317 - 1319	Shots	9
1324 - 1327	Shots	13
1330 - 1333	Shots	13 116

Acid / 15% HCl

50 gallons

Breaker

0.0625 gallons

Frac Gel

290 lbs

30 lb/gal

Total Water

230 Bbls

9648 gallons

7/8" Rubber Ball Sealers:

40 balls

Pipe Inside diameter

4 inches

Volume to load Pipe

Bbls / ft =

0.015541667

Depth

1333

Volume, bbls =

20.71704268

Total Bbls

Rate

Description

21

Load pipe

0-6 Start 1st break

Interval Bbls

9  
 12  
 178  
 10

Frac

30  
 42  
 220  
 230

12-21 Pad  
 21 Start 1# 16/30  
 21 Start 1# 12/20  
 21 Start flush  
 . ISIP

Pounds of Sand 8,000

Pounds of Sand	Total	Remaining
504	504	7,496.00
7476	7,980	20.00



4330 Shawnee Mission Pkwy  
Suite 233  
Fairway, KS 66206  
Phone: 913-235-0016



*Dec 17<sup>th</sup>  
9:00 AM  
5 SPT FRAC.*

# Fax

To: Rick Bell	From: John Ammann
Fax: 620-431-0012	Pages: 7
Phone: 620-431-9210	Date: 12/11/2015
Re: Schafer CS-4, Schafer CS-10, Schafer CS-14, Schafer CS-16, and Schafer CS-17.	CC:

Urgent     For Review     Please Comment     Please Reply     Please Recycle

• **Comments**

Attached are the fracturing procedures for Schafer CS-4, Schafer CS-10, Schafer CS-14, Schafer CS-16, and Schafer CS-17. We will start with the Schafer CS-4. The Schafer lease is located south and west of Yates Center, Kansas. From Yates Center travel west along 64 Hwy for approximately 8 miles to Fox Rd, turn south on Fox Rd, travel 4 miles to 40th Rd and turn east, travel 1/2 miles on 40th Rd to Fawn Rd, turn south on Fawn Rd and travel 1/2 miles to 35th Rd, turn east on 35th Rd to the Schafer lease.

The Schafer CS-4 is completed with 4 1/2" casing but we will be treating through 2 3/8" tubing and packer. Please bring chains to chain the tubing down. The Schafer CS-10, Schafer CS-14, Schafer CS-16, and Schafer CS-17 are completed with 4 1/2" casing.

These wells are scheduled for treatment on Thursday December 17 at 9:00 AM.

There is water stored in two frac' tanks at our Louk tank battery. We may require additional water. We will have a frac' tank at our Iola office filled with water. The transport can pick up a load beforehand.

Spot 50 gallons of 15% HCl acid in each well.

December 11, 2015

The treatments will use 30# gel with biocide and 4,000#/6,000# of sand (500# of 16/30 and 3,500#/7,500# 12/20 sand).

Please bring a frac valve for these wells (1 for 2 3/8" and 4 for 4 1/2" casing).

Call me at the office (913-236-0016) if you have any questions.

50 gal SPOTS.  
30# GEL  
 BIOCIDE

2 - 40 SKS, 2 50 SKS, 1 - 80 SKS  
 BALLS.



# MIDWEST SURVEYS

LOGGING • PERFORATING • CONSULTING • M.I.T. SERVICES

P.O. Box 68 • Osawatomie, KS 66064  
Phone 913-755-2128 • Fax 913-755-6533

## Perforation Record

**Company:** COLT ENERGY, INC.  
**Lease/Field:** SCHAFFER LEASE  
**Well:** # CS-17 *15-207-29304*  
**County, State:** WOODSON COUNTY, KANSAS  
**Service Order #:** 34337  
**Purchase Order #:** N/A  
**Date:** 12/11/2015

<b>Perforated @:</b>	1284.0 TO 1289.0	21 PERFS
	1291.0 TO 1294.0	13 PERFS
	1297.0 TO 1299.0	9 PERFS
	1304.0 TO 1311.0	29 PERFS
	1314.0 TO 1316.0	9 PERFS
	1317.0 TO 1319.0	9 PERFS
	1324.0 TO 1327.0	13 PERFS
	1330.0 TO 1333.0	13 PERFS

*Bartholomew*

**Type of Jet, Gun or Charge** 3 3/8" DP 19 GRAM TUNGSTEN EXPENDABLE CASING GUN

**Number of Jets, Guns or Charges:** ONE HUNDRED SIXTEEN (116)

**Casing Size:** 4 1/2"

# Bar Drilling, LLC

# INVOICE

1317 105th Rd  
 Yates Center, KS 66783  
 (719) 210-8806, (620) 625-3679

**DATE:** December 20, 2015  
**INVOICE #**

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

**FOR:** Schafer CS-17

15-207-29304

DESCRIPTION	Quantity	RATE	AMOUNT
set 42.5' of 8 5/8" surface casing with 12 sacks of cement		included	
Drilled 1404' 6 3/4" hole.	1.00	10125.00	10,125.00
core #1	1.00	included	
Discounted 10%			(1,012.50)
SUBTOTAL			\$ 9,112.50
TAX RATE			
SALES TAX			
OTHER			
<b>TOTAL</b>			<b>\$ 9,112.50</b>

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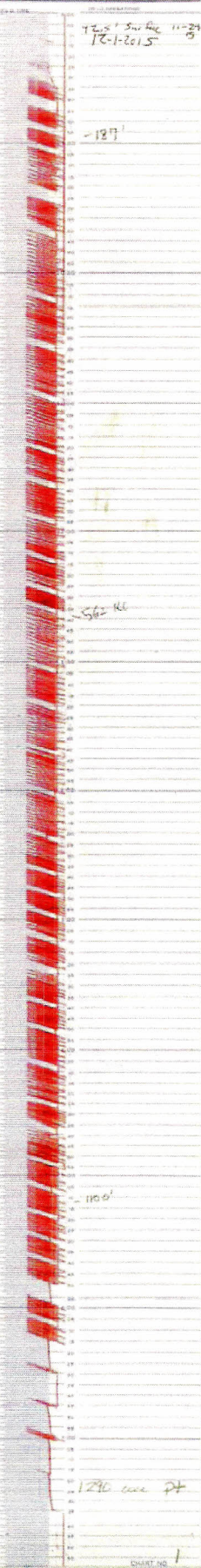
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THANK YOU FOR YOUR BUSINESS!





65.17  
S&K Energy  
S&K Energy  
12-1-2015



CS 17  
Schaefer

Dec 2 2015

Area 1290-1399

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