

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
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

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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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-16

15-207-29303

DESCRIPTION	Quantity	RATE	AMOUNT
set 40' of 8 5/8" surface casing with 12 sacks of cement		included	
Drilled 1422' 6 3/4" hole.	1.00	10125.00	10,125.00
2nd core	1.00	1500.00	1,500.00
Discounted 10%			(1,162.50)

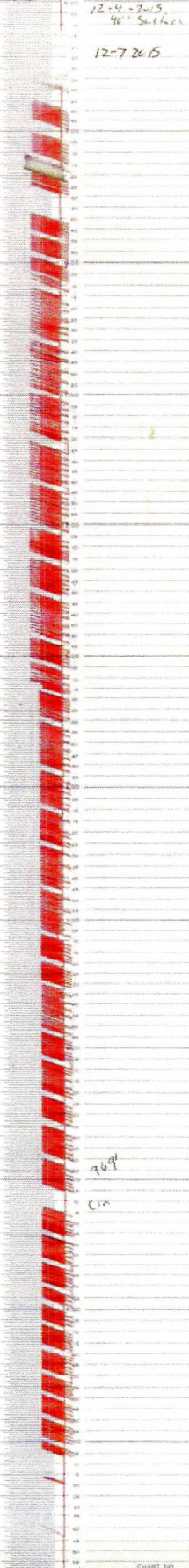
SUBTOTAL	\$	10,462.50
TAX RATE		
SALES TAX		
OTHER		
TOTAL	\$	10,462.50

106000
 DIS029109

THANK YOU FOR YOUR BUSINESS!

12-4-7015
46' Sulfur

12-7-2015



769

172

15.10

12-0-2015

12-0-2015

12-0-2015

12-0-2015

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ELI101

12/20

Elite Cementing & Acidizing of KS, LLC

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



Date	Invoice #
12/11/2015	2663

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

Job Date	12/9/2015
Lease Information	
Schafer C ₃ -16	
County	Woodson
Foreman	RL

15-207-29303

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

We appreciate your business!

Subtotal \$4,288.30

Sales Tax (7.5%) \$230.16

Total \$4,518.46

Payments/Credits \$0.00

Balance Due \$4,518.46

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

106000

DISD29 203

DEC 14 2015

APPROVED JA 12/15/2015

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



Cement or Acid Field Report
 Ticket No. 2663
 Foreman Rick Ledford
 Camp Eureka, KS

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
12-9-15	1003	Schafer CS-16				Woodson	Ks
Customer Colt Energy Inc.			Unit #		Driver		
Mailing Address P.O. Box 388			105		Dave O.		
City Iola			115		Allen B.		
State Ks							
Zip Code 66749							

Safety Meeting
 0-
 06
 AB

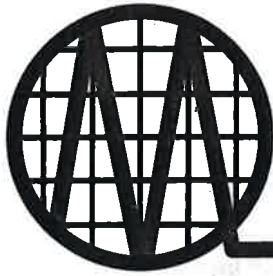
Job Type <u>L/S</u>	Hole Depth <u>1422'</u>	Slurry Vol. <u>50 Bbl</u>	Tubing _____
Casing Depth <u>1400'</u>	Hole Size <u>6 3/4"</u>	Slurry Wt. <u>13.8**</u>	Drill Pipe _____
Casing Size & Wt. <u>4 1/2"</u>	Cement Left in Casing <u>4' 5 1/2"</u>	Water Gal/SK <u>9.0</u>	Other _____
Displacement <u>22.3 Bbl</u>	Displacement PSI <u>600</u>	Bump Plug to <u>1000</u>	BPM _____

Remarks: Safety meeting - Rig up to 4 1/2" casing. Break circulation w/ 5 Bbl fresh water. Pump 300' gel-flush w/ bulls, 5 Bbl water spacer. Pump 150 sxs thickset cement w/ 2" phenoxol/sx @ 13.8*/gal. Washout pup + lines, release plug. Displace w/ 22.3 Bbl fresh water. Final pup pressure 600 PSI. Bump plug to 1000 PSI. release pressure, flood + plug held. Good cement returns to surface. 8 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	840.00	840.00	
C107	25	Mileage	3.95	98.75	
C201	150 sxs	thickset cement	19.50	2925.00	
C208	300"	2" phenoxol/sx	.60	180.00	
C206	300"	gel-flush	.20	60.00	
C214	45"	bulls	.45	20.25	
C168A		ten mileage bucket	m/c	345.00	
C403	1	4 1/2" top rubber plug	45.00	45.00	
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> 590 < 231.81 > # 4018.46 </div>					
			Subtotal	4514.00	
			Sales Tax	242.27	
Authorization _____	Title _____			Total	4756.27

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.



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: COIT ENERGY, INC. *15-207-29303*

Lease/Field: SCHAFFER LEASE

Well: # CS-16

County, State: WOODSON COUNTY, KANSAS

Service Order #: 34342

Purchase Order #: N/A

Date: 12/16/2015

Perforated @: 1322.0 TO 1329.0 29 PERFS
1347.0 TO 1351.0 17 PERFS *Barkerville*

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

Number of Jets, Guns or Charges: FORTY SIX (46)

Casing Size: 4 1/2"

End of Well Report

Well: Schafer CS16

3525 FLS & 595 FEL

Sec. 22-T26S-R14E

Woodson Co., Kansas

API # 15-207-29303

Elevation: 967 est based on surrounding surveyed locations

Drilling Contractor: BAR Drilling LLC

Spud: 12/4/2015

Surface Casing: Set 40.0' of 8 5/8" csg, w/12sx cmt

Under Surface: 12/7/2015

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

Production Bore Hole: 6.75"

Rotary Total Depth (RTD): 1422

Geophysical E-Log(s): CDL and IDL by Osage Wireline 12/9/2015

Production Casing: Run in by BAR Drilling: 1406.00' 4 1/2" w/4' pup jt incld.

Cemented by: Elite Cementing on 12/9/2015 w/150sx.

Total Depth: 1422

FORMATION TOPS

<u>Formation Member</u>	<u>DL/SPL Tops</u>	<u>E-Log (Rdd)</u>	<u>Datum (MSL)</u>
Kansas City	579	579	388.0
Stark SH	667	667	300.0
Hushpuckney SH	708	708	259.0
Base of KC	737	737	230.0
Old DL Base KC	752	752	215.0
Lenapah LS	850	850	117.0
Weiser SS	924	924	43.0
Mulberry Coal	985	985	-18.0
Pawnee LS	993	993	-26.0
Myric Station LS	1009	1009	-42.0
Anna (Lex. Coal Zn) SH	1013	1013	-46.0
Fort Sct LS	1038	1038	-71.0
Little Osage (Sum Coal Zn) SH	1056	1056	-89.0
Excello SH	1071	1071	-104.0
Mulky Coal	1074	1074	-107.0
Squirrel SS	1081	1081	-114.0
Verdigris LS	1150	1150	-183.0
Bevier Coal	1136	1136	-169.0
Croweburg "V" SH	1152	1152	-185.0
Fleming Coal	1191	1191	-224.0
Mineral Coal	1207	1207	-240.0
Scammon Coal	1224	1224	-257.0
Tebo SH	1254	1254	-287.0
Tebo Coal	1258	1258	-291.0
Bartlesville SS	1322	1322	-355.0
Mississippi LS	1421	1421	-454.0



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

15-207-29303

CS-16

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 REC'D



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

Part No	Description	Quantity	Unit Price	Discount(%)	Total
FP9004	12/20 Brown Sand	23,500.000	0.3000	60.000	2,820.00
Subtotal					49,889.00
Discounted Amount					29,933.40
SubTotal After Discount					19,955.60

Amount Due 49,917.80 If paid after 01/21/16

Tax: 11.52
Total: 19,967.12



CONSOLIDATED OIL & GAS SERVICES, LLC

CS-4
CS-10
CS-14
CS-17
CS-16

*5014
4924*

TICKET NUMBER **51159**

LOCATION Thayer

PO BOX 884 STREET, CHANUTE, KS 66720
620-431-8210 OR 800-467-8576

CS-16 FIELD TICKET

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
12-18-15	1828	Schafer		22	26S	14E	WO	Bartlesville
CHARGE TO				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	Iron truck		2000.00
FE0133	5	Acidspotter		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" Ballsealers		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-
SALES TAX				26.60
				49977.50
Less - Co. disc				
ESTIMATED TC				49,701.00

CUSTOMER or AGENTS SIGNATURE _____ COWS FOREMAN Brett 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
Oilfield Services, LLC

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

5th well

TICKET NUMBER 61240
FIELD TICKET REF # 51159
LOCATION Traver
FOREMAN Bidett Busby

15-207-29303

TREATMENT REPORT
FRAC & ACID

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-17-15	1828	Schofer CS-16	22	26S	14E	WO

CUSTOMER Colt Energy Inc		
MAILING ADDRESS		
CITY	STATE	ZIP CODE

TRUCK #	DRIVER	TRUCK #	DRIVER
754	Josh		
745	London		
482	Mark		
582	Gary		
58095	Timie		
735221	George		

WELL DATA	
CASING SIZE 4 1/2	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
1322-29 21) Bartlesville	
1347-51 179 48)	

TYPE OF TREATMENT Acid spot & frac

CHEMICALS	
Breaker	
Acid	
Inhibitor	
Max surf	

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
PAD	30	20				BREAKDOWN
16-30 sand		20	1.5-1.0	500#		START PRESSURE
12-20 sand		20	1.5	500#		END PRESSURE
12-20 (5) Balls		20	2.0			BALL OFF PRESS
12-20		1	2.0	1,000#		ROCK SALT PRESS
12-20		1	2.0			ISIP 575
12-20 (5) Balls		1	2.0			5 MIN 425
12-20		1	2.0	1,000#		10 MIN 460
12-20 (5) Balls (TS)		1	1.0			15 MIN 400
12-20		20	1.5			MIN RATE
FLUSH CASING	24	20	2.0			MAX RATE
Release balls to T.D.			TOTAL	4,000#		DISPLACEMENT 22
OVERFLUSH	10	20	SAND			
TOTAL	159					

REMARKS:

Spotted 50 gal -15% HCl acid

Location 1:45PM - 2:30PM

50. miles

AUTHORIZATION

[Signature]

TITLE

DATE 12-17-15

Terms and Conditions are printed on reverse side.

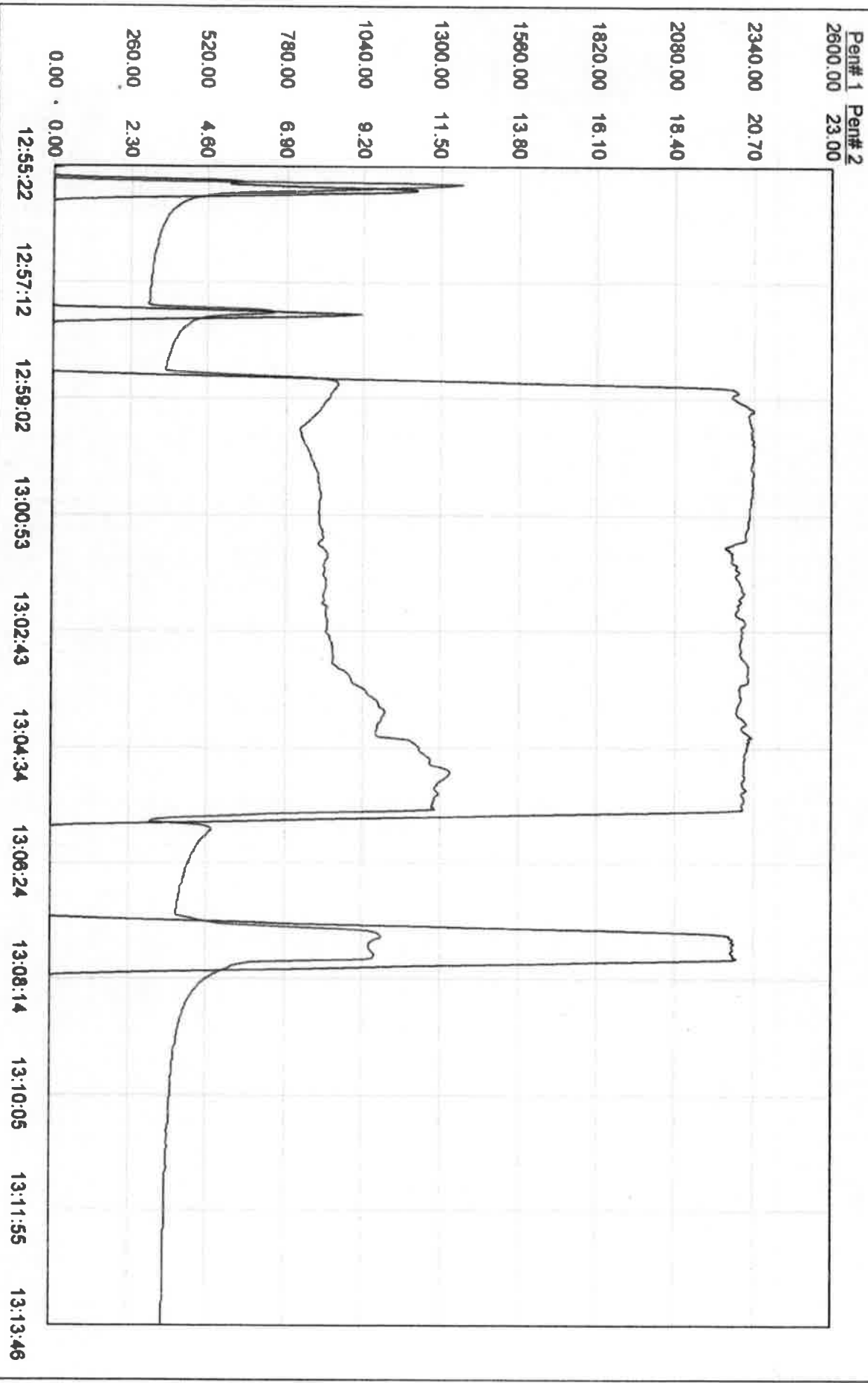
SERVICE COMPANY: G.O.W.S.
 TICKET NO: 61240
 CUSTOMER NAME: COLT ENERGY INC.
 WELL NAME: SCHAFER GS-16
 WELL LOCATION: SEC 22-28S-14E WO. CO.

DATE RECORDED: 12/17/2015
 JOB NO: UNIT DESCRIPTION: BARTLESVILLE
 UNIT NOTES: ACIDSPOT + FRAC
 FILE NAME: COLTENERGYINC_15_12_17_#5.csv



Pen# 1: Pump Pressure (Pressure : psi)

Pen# 2: Pump Rate (Flowrate : bpm)



Well #: Schafer CS-16
Type: Producer

Formation: Bardonia

Water: formation water

Perforations:

1322 - 1329 Shots

29

1347 - 1351 Shots

17 46

Acid / 15% HCl

50 gallons

Breaker

0.0625 gallons

Frac Gel

170 lbs

30 lb/gal

Total Water

135 Bbls

5670 gallons

7/8" Rubber Ball Sealers:

15 balls

Pipe Inside diameter

4 inches

Volume to load Pipe

Bbls / ft =

0.015541667

Depth

1351

Volume, bbls =

20.99679269

Total Bbls

Rate

Description

21

Load pipe

0-6 Start 1st break

Interval Bbls

9

30

12-21 Pad

12

42

21 Start 1# 16/30

83

125

21 Start 1# 12/20

10

135

21 Start flush

ISIP

Pounds of Sand 4,000

Pounds of Sand Total Remaining

504 504 3,496.00

3486 3,980 10.00



4330 Shawnee Mission Pkwy
Suite 238
Fairway, KS 66206
Phone: 913-238-0016



*Dec 17th
9:00 AM
5 SPT FRAC.*

Fax

To: Rick Bell	From: John Amernani
Fax: 620-431-0012	Pages: 7
Phone: 620-431-0210	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 54 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.