



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1257103  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

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       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- 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 ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	-----------------------------------------

API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1257103

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  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------

Form	ACO1 - Well Completion
Operator	Colt Energy Inc
Well Name	Palmer A13-i
Doc ID	1257103

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	784-790	2000 LBS 16/30 SAND	784-790
		50 LBS 15% HCL ACID	
		.25 GAL SURFACTAN	
		.12 GAL ACID INHIBITOR	
		.25 GAL ENZYME BREAKER	
		5 BALL SEALERS	

5/20

Elite Cementing & Acidizing of KS, LLC

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



Date	Invoice #
5/5/2015	2273

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

Job Date	5/4/2015
Lease Information	
Palmer #A13-i	
County	Allen
Foreman	RL

Item	Description	Qty	Terms	Net 15
			Rate	Amount
C102	Cement Pump-Longstring	1	1,050.00	1,050.00
C107	Pump Truck Mileage (one way)	50	3.95	197.50
C201	Thick Set Cement	110	19.50	2,145.00T
C208	Pheno Seal	220	1.25	275.00T
C206	Gel Bentonite	300	0.20	60.00T
C214	Cottonseed Hulls	45	0.45	20.25T
C108B	Ton Mileage-per mile (one way)	302.5	1.35	408.38
C403	4 1/2" Top Rubber Plug	1	45.00	45.00T
D101	Discount on Services		-82.79	-82.79
D102	Discount on Materials		-127.26	-127.26T

APPROVED JA 5/11/2015

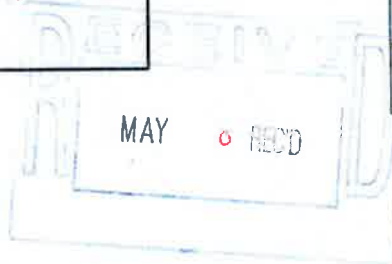
We appreciate your business!

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>	\$3,991.08
<b>Sales Tax (7.4%)</b>	\$178.93
<b>Total</b>	\$4,170.01
Payments/Credits	\$0.00
<b>Balance Due</b>	\$4,170.01

118000  
D15003 203





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

15-001-31345



**Cement or Acid Field Report**

Ticket No. 2273

Foreman Ric Loford

Camp Eureka V3

Date	Cust ID #	Lease & Well Number	Section	Township	Range	County	State
5/04/15	1003	Palmer # A13-1	13	25	19E	AL	KS
Customer			Unit #	Driver	Unit #	Driver	Safety Meeting
Colt Energy, Inc.			109	Alan M.			P-200-06
Mailing Address			114	Dave G			
PO Box 388							
City	State	Zip Code					
Iola	KS	66749					

Job Type U/S Hole Depth 721' Slurry Vol. 32 Bbl Tubing \_\_\_\_\_  
 Casing Depth 883' Hole Size 6 3/4" Slurry Wt. 13.7" Drill Pipe \_\_\_\_\_  
 Casing Size & Wt. 4 1/2" 10.5#/ft Cement Left in Casing 4' 00" Water Gal/SK 90 Other \_\_\_\_\_  
 Displacement 14 Bbl Displacement PSI 500" Bump Plug to 100' BPM \_\_\_\_\_

Remarks: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ fresh water. Pump 6  
skts gel-flush w/ balls. 10 Bbl water spacer. Mixed 110 skts thickset cement w/ 2"  
phenosan/sk @ 13.7" / gal. Washout pump + lines, remove plug. Displace w/ 14 Bbl water. Final  
pump pressure 500 PSI. Bump plug to 100' (50'). release pressure. Slud + plug held and cement returns  
to surface - 8 Bbl slurry to pipe. Job complete. Rig down.

*Thank You*

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	1050.00	1050.00
C107	50	Mileage	3.95	197.50
C201	110 skts	thickset cement	19.50	2145.00
C207	220'	2" phenosan/sk	1.25	275.00
C206	300'	gel-flush	.20	60.00
C214	45'	balls	.45	20.25
C1070	6.05	long mileage bucket	1.35	408.38
C403	1	4 1/2" top adapter	45.00	45.00
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;">           590 (219.41)            \$2110.01         </div>				
			Subtotal	4201.13
			Sales Tax	188.35
Authorization <u>R. R. Loford</u> Title _____			Total	4389.48

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.

# COLT ENERGY, INC.

## CORE REPORT

5/05/2015

Well: **Palmer #A13-i**

115 FSL, 80 FWL

Section 13-T25S-R19E

Allen Co., KS

API #15-001-31345

Elevation: 1076 (surveyed)

### Core #1: "Lower Cattleman Sand, 783-803 (Driller's depths) 5/04/2014

#### Core time, min. / ft.:

<u>Min.</u>	<u>Sec.</u>	<u>Min.</u>	<u>Sec.</u>	<u>Min.</u>	<u>Sec.</u>
783	---	790	20	797	26
784	21	791	26	798	25
785	20	792	30	799	29
786	19	793	28	800	26
787	20	794	31	801	31
788	19	795	25	802	26
789	21	796	26	803	29

#### The following is a brief description of the subject core, (depths are based on the Driller's measurements):

**783.00-783.35** Sandstone, pale green, very silty to shaley, weak trace fair shows of free oil ("bleed") prior to rinse, very weak to weak bleed after rinse. {.35}

**783.35-783.80** Sandstone, pale green, silty to slightly shaley, scattered, tan, featheredge to 1/4 inch, silt/sandstone lamina that exhibited good bleed prior to rinse and fair to good after rinse, over all section has fair bleed and was pretty "gassy". {.45}

**783.80-790.50.** Good uniform sandstone with very good to excellent bleed, very good bleed after rinse, fairly gassy. {6.70}

**790.50-792.55** Shale, pale green to a somewhat very light grayish pale green, silty to sandy, few scattered featheredge lamina, no shows. {2.05}

**792.55-793.65** Sandstone, very-very silty to shaley, laminated in part, grading to less silty and shaley bottom 6 inches, scattered shows of free oil and gas bubbles from some of the sandy areas and lamina, grading to very good shows of free oil toward base or bottom 5.5 inches, same shows and fairly gassy before and after rinse. {1.10}

**Palmer #A13-i**

**Core #1 continued:**

**793.65-799.00** Shale gray, gray-green, silty to slightly sandy, no shows. {5.35}

**799.00-802.20** Shale, gray to medium gray with depth, fairly dark gray bottom few inches, scattered silt/sandstone lamina, few convoluted, no shows. {3.20}

**802.20-803.00** Not recovered; based on coring time, probably shale as above. {.80}

End Report

---

Rex R. Ashlock  
For: Colt Energy, Inc.

5/20

# Bar Drilling, LLC

# INVOICE

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

**DATE:** April 8, 2015  
**INVOICE #**

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

**FOR:** Palmer A13-I  
API# 15-001-31345

DESCRIPTION	Quantity	RATE	AMOUNT
set 20.2' of 8 5/8" surface casing with 8 sacks of cement		included	
drilled 920', (6 3/4" hole)	920.00	6.00	5,520.00
core: 1	1.00	included	

APPROVED JA 5/12/2015

<b>SUBTOTAL</b>	\$	5,520.00
<b>TAX RATE</b>		
<b>SALES TAX</b>		-
<b>OTHER</b>		
<b>TOTAL</b>	\$	5,520.00

11BOW  
D15003109

**THANK YOU FOR YOUR BUSINESS!**





Mud Rotary Drilling  
 Andrew King - Manager/Driller

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

1317 106th Rd.  
 Yates Center, KS 66763

Company/Operator Coit Energy Inc. P.O. Box 388 Iola, KS 66749		Well No. A 13-i	Lease Name Palmer	Well Location 115'fsl, 80fwl		1/4 SW	1/4 SW	Sec. 13	Twp. 25S	Rge, 19E
Well API # 15-001-31345		Type/Well Oil	County Allen		State KS	Total Depth 920'	Date Started 5/1/2015	Date Completed 5/4/2015		
Job/Project Name/No.		Surface Record		Bit Record		Coring Record				
Driller/Crew Andy King	Bit Size: 11 1/4	From 724	To 735	Formation soil	From 724	To 735	Formation shale	From 783	To 803'	% Rec. 99
	Casing Size: 8 5/8	From 736	To 782	Formation lime	From 736	To 782	Formation lime			
	Casing Length: 20.2'	From 782	To 783	Formation shale	From 782	To 783	Formation shale			
	Cement Used: 8 sx	From 783	To 803	Formation sand (oil show)	From 783	To 803	Formation sand (oil show)			
	Cement Type: Portland	From 803	To 831	Formation shale	From 803	To 831	Formation core (8' oil sand)			
		From 831	To 850	Formation broken oil sand	From 831	To 850	Formation broken oil sand			
		From 850	To 859	Formation sandy shale(oil show)	From 850	To 859	Formation sandy shale(oil show)			
		From 859	To 860	Formation lime	From 859	To 860	Formation lime			
		From 860	To 867	Formation broken oil sand	From 860	To 867	Formation broken oil sand			
		From 867	To 920	Formation shale	From 867	To 920	Formation shale			

From	To	Formation	From	To	Formation	From	To	Formation
0	8	soil	724	735	shale			
8	45	lime	735	736	lime			
45	70	shale	736	782	shale			
70	73	lime	782	783	sand (oil show)			
73	132	shale	783	803	core (8' oil sand)			
132	134	lime	803	831	shale			
134	141	shale	831	850	broken oil sand			
141	261	lime	850	859	sandy shale(oil show)			
261	441	shale	859	860	lime			
441	445	lime	860	867	broken oil sand			
445	468	sandy shale	867	920	shale			
468	476	lime						
476	544	sandy shale						
544	547	lime						
547	551	shale						
551	571	lime						
571	574	shale						
574	578	lime						
578	617	shale						
617	635	lime						
635	643	shale						
643	648	lime						
648	720	sandy shale						
720	724	coal						

Well Notes:  
 ran 885' 4 1/2" casing



# Colt Energy, Inc.

## Geological and Well Report

Well: **Palmer #A13-i**

Draft: 5/5/15

115 FSL, 80 FWL

Section 13-T25S-R19E

Allen Co., KS

API #: 15-001-31345

Elevation: 1076 GL (surveyed)

Drilling Contractor: Andy King dba BAR Drilling LLC. (Op. Lic. #34953)

Spud: 5/01/2015

Surface Casing: 11.75" bore hole, 8 5/8" set at 20.2', cmtd w/ 8 sx of Portland

Under Surface: 5/03/15

Drilling fluid: water "native mud"

Production bore hole: 6.75"

Rotary Total Depth (RTD): 921' (5/04/15)

Geophysical E-Log(s): CDL & IES by Osage Wireline (5/04/15)

Production Casing: 883' of 10.5#/ft., includes 4' cmt pup jt., cmtd w/ 110 sx, (5/04/15)

Production Casing: Ran in hole by: BAR Drilling

<b>Formation/Member</b>	<b>DL/Sample Tops</b>	<b>Log Tops (Rdd off)</b>	<b>Datum (1076)</b>
Stark Sh	----	203	873
Hushpuckney Sh	----	228	848
Base Ks City	----	248	828
"Old Drillers Log" B. KC	----	261	815
"Knobtown" Ss	----	273	803
South Mound Sh	----	438	638
"Upper" "Weiser" Ss	----	489	587
"Lower" "Weiser" Ss	----	517	559
Myrick Station Ls	----	576	500
Anna (Lexington Coal Zone) Sh	----	582	494
Ft. Scott ("Oswego") Ls	----	618	458
Little Osage (Summit Coal Zone) Sh	----	638	438
Excello (Mulky Coal Zone) Sh	----	649	427
Squirrel Sand	----	688	388
Bevier Coal Zone	718 (drlg time)	718	358
Verdigris (Ardmore) Ls	735	734	342
Croweburg ("V") Sh	737	737	339
Croweburg Coal	739	738	338
Fleming Coal	----	----	----
Mineral Coal	766	767	309
Cattleman ("Upper") Ss	----	----	----
Scammon Coal Zone	778	781	295
Cattleman ("Lower") Ss	782	783	294

<b>Formation/Member</b>	<b>DL/Spl Tops</b>	<b>Log Tops (Rdd off)</b>	<b>Datum (1076)</b>
Un-named Carb. Zone (Tebo)	818	818	258
Bartlesville Ss Zone	826	833	243
Bartlesville Ss	See Report	----	----
Un-named Coal (Dry Wood?)	867	868	208
Un-named Coal (Rowe/Neutral?)	881	884	192
“Lower” Bartlesville Ss	Not drlg	----	----
Rotary Total Depth	821	----	255
Open Hole Log(s) TD	----	921	255

**The following report is based on microscopic examination of rotary drill cuttings collected on location while drilling, a core taken from the “Lower” Cattleman Sand Zone, and the results of a suite of open hole logs; depths have been corrected to the open hole log measurements unless noted.**

**Note:** No drill cuttings were collected, “bagged”, and microscopically examined prior to 760’.

### **Major Zones of Interest:**

**Anna Shale (Lexington Coal Zone), 582-584+.** No indications to the presence of coal.

**Little Osage Shale (Summit Coal Zone), 638-641.** As above

**Excello Shale (Mulky Coal Zone), 649-653+.** Log shows black shale from 649 to 651.5+/- and about a foot of coal below the black shale that has a bulk density of 2.05

### **Squirrel Sand Zone:**

Log shows a very silty, slightly shaley, “broken”, sand from 688-712, the induction log indicates the sand to be “watery”, not enough “clean” sand to make a water supply well.

**Bevier Coal, 718-719.5+/-.** Log shows a “clean” coal with a bulk density of 1.93

**Croweburg Coal, 739-739+.** Coal, 20%+/- were “floaters”, fairly pyritic, abundant black shale from the “V” shale in sample bag, no visible shows of free gas, coal is close to a foot thick and has a bulk density of 2.04

**Mineral Coal Zone, 767-768.5+/-.** Coal, 30-40% of coal in sample were “floaters”, no secondary fracturing, pyritic, trace black shale in sample, no apparent shows of free gas, coal is a little under 2 feet thick and has a bulk density of 1.77.

**Scammon Coal Zone. 781-783+/-.** Shale, very dark grays to black, scattered macro and micro carbonaceous fragments, trace conglomeritic material, no shows of gas.

## Palmer #A13-i

### Major Zones of interest continued:

**“Lower” Cattleman Sand, 783-784 (782-783+/- Driller depths).** Silt/sandstone, pale green, silt size to fine grain, moderately sorted, well to very well consolidated, semi-firm to firm, poor with trace fair porosity, abundant micro pale green shale platelets (gives the pale green color to the sand), scattered tan, silt/sandstone lamina with very weak to weak speckled to spotty shows of free oil, exhibits very-very dull fluorescence, sample had fair oily odor.

**Note:** Cored the “Lower” Cattleman Sand from 783-803 (Driller’s depths or apx. 784- 804+/- e-log depths, please see the Core Report.

**Un-named Carbonaceous Zone (Tebo?), 818-828.** Shale, black, very dark grays, trace light green-gray, 6”+/- layer of coal at 819, no visible shows of gas, coal has a peak bulk density of 2.16.

### Bartlesville Sand Zone:

**833-839.** Shale, light to very light green-grays and gray-greens, silty, sandy with depth, scattered light tan to tan, silt/sandstone lamina with hydrocarbon staining, no shows of free oil or gas.

**839-857+/-.** Shale, pale greens, light gray-greens, silty to sandy, abundant lamina and thin lens of tan to light brown, silt size to fine grain, angular to very angular, moderately sorted, well consolidated, friable to semi-firm, very poor to fair, trace good porosity, silt/sandstone. Samples had good to very good oily odor, very-very dull fluorescence, good to very good shows of free oil, no visible shows of gas.

**857-862+/-.** Silt/sandstone as above, but is dark tans and browns, very dull fluorescence, strong oily odor, good to very good shows of free oil, few scattered gas bubbles.

**862-864+/-.** Shale, gray, gray-green, silty to slightly sandy, no shows.

**864-868.** Sandstone, browns, gray-browns (color varied due to oil content), silt size to medium grain, trace coarse grain, sub-angular to very angular, poor to very poorly sorted, poor to well consolidated, loose grains to semi-firm clusters, mostly poor porosity, little shaley, trace – what looked to be conglomeratic material, sample had fair to good odor, no to very-very dull questionable fluorescence, weak to fair shows of very-very dark brown to black free oil, weak to fair shows of “tarry” to “dead oil” hydrocarbon residue, no shows of gas.

**Un-named Coal (Dry Wood?), 868-869.** Coal, 10-20% were “floaters”, fairly pyritic, no secondary fracturing, no shows of free gas, coal is about 6 inches +/- and has a bulk density of 2.29.



**Palmer #A13-i**

**Major Zones of Interest continued:**

**Un-named Carbonaceous (Rowe or one of the Neutrals?) Zone, 885-886 (probably where the Rowe or one of the Neutrals would be found).** Not very apparent on log, but sample contained black shale and coal fragments, less than 5% were floaters, both were pyritic, no shows of gas were observed, bulk density is around 2.50, noted for the record only.

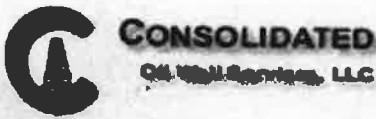
**Summary:**

Due to the shows of oil found in/and well developed "Lower" Cattleman Sand, the decision was made to make the subject test into a water input well,

End Report

---

Rex R. Ashlock  
For: Colt Energy, Inc.



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

*8/20* MAIN OFFICE

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

Invoice

Invoice#

805034

Invoice Date: 07/24/15

Terms: Net 30

Page 1

COLT ENERGY INC.

1112 RHODE ISLAND RD  
 IOLA KS 66749  
 USA  
 6203653111

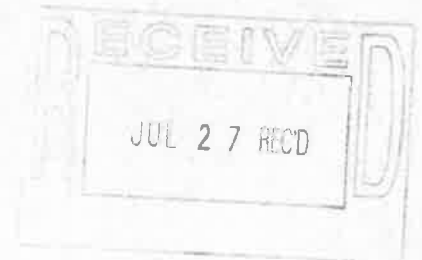
Palmer #A13-I

*15-001-31345*

Part No	Description	Quantity	Unit Price	Discount(%)	Total
FE0251	Combo Unit, 1,300 HHP 1st (4) Four Hours	1.000	3,500.0000	58.000	1,470.00
FE1136	Flatbed Truck, Misc. Delivery	1.000	400.0000	58.000	168.00
AE0133	Coiled Hose Acid Spotter	1.000	500.0000	58.000	210.00
FC5005	15% Uninhibited HCL Acid (22 Baume)	50.000	3.9000	58.000	81.90
FC5251	CIA-2, Corrosion Inhibitor < 250 Degree F (Non-Acetylenic)	0.120	60.0000	58.000	3.02
FC5700	MaxSurf FBA (Surfactant/N.E./Remediation)	0.250	70.0000	58.000	7.35
FC5450	WG-1, Guar Gelling Agent	100.000	8.0000	58.000	336.00
FC5280	BIO-1 Powdered	2.000	35.0000	58.000	29.40
FC5481	B-7LE, Enzynme Breaker	0.250	225.0000	58.000	23.63
FE1054	3" Valve	1.000	500.0000	58.000	210.00
FE1000	Manual Ball Injector	1.000	600.0000	58.000	252.00
FC5176A	7/8" 1.3 Sp.Gr.RCN Ball Sealers	5.000	4.0000	58.000	8.40
FE0700	Proppant Delivery	40.000	0.0000	0.000	0.00
FE0002	Equipment Mileage Charge - Heavy Equipment	40.000	0.0000	0.000	0.00
WS2403	Water Transport (Frac Service)	2.000	120.0000	58.000	100.80

APPROVED JA 7/28/2015

*118000  
 A13-i  
 D15003219*





**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#

805034

Invoice Date: 07/24/15

Terms: Net 30

Page 2

COLT ENERGY INC.

1112 RHODE ISLAND RD  
IOLA KS 66749  
USA  
6203653111

Palmer #A13-I

Part No	Description	Quantity	Unit Price	Discount(%)	Total
FP9003	16/30 Brown Sand	2,000.000	0.3000	58.000	252.00

Subtotal 7,505.95  
Discounted Amount 4,353.45  
SubTotal After Discount 3,152.50

Amount Due 7,507.50 if paid after 08/23/15

Tax: 0.66

Total: 3,153.16

BARTLESVILLE, OK  
918/338-0808

EL DORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7564

PONCA CITY, OK  
580/762-2303

OAKLEY, KS  
785/672-8822

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-3269

GILLETTE, WY  
307/688-4914

CUSHING, OK  
918/225-2650



**CONSOLIDATED**  
Oil & Gas Services, LLC

3618  
3538

TICKET NUMBER 51014

PO BOX 834 STREET, CHANUTE, KS 66720  
620-431-9210 OR 800-467-8676

INVOICE #

LOCATION Thayer

FIELD TICKET

15-001-31345

DATE 7-20-15	CUSTOMER ACCT # 1828	WELL NAME Palmer A13-I	QTR/QTR	SECTION	TWP	RGE	COUNTY AL	FORMATION Cathlamet
CHARGE TO Gold Energy Inc.				OWNER				
MAILING ADDRESS				OPERATOR				
CITY & STATE				CONTRACTOR				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
FE0251	1	PUMP CHARGE 1300UP (control 1 <sup>st</sup> well)		3500-
FE1136	1	100a truck.		400-
AE0133	1	Acid Spatter		500-
FC5005 SAH	50	15% HCL Acid	3.90	195-
FC5251	.125	Acid Inhibitor	60-	<del>7.50</del> 7.20
FC5700	.25	Maxsur	70-	17.50
Customer Formation Water				
FC5450	100	Frac Gel	8.00	800-
FC5280	2	Blonde	35-	70-
FC5451	.25	Breaker	225-	56.25
FE1054	1	3" Frac Valve	500	500-
FE1000	1	Ball Injector	600-	600-
FC5176A	5	3/8" Ballsealers	4.00	20-
BLENDING & HANDLING				
FE0700	40	TON-MILES Bulk Delivery		NA
STAND BY TIME				
FE0002	40	MILEAGE Mobilization x 3		NA
WS2403	2	WATER TRANSPORTS	120.	240-
VACUUM TRUCKS				
FP 9003	2000	FRAC SAND 16/30	1.30	600.
			7.75	SALES TAX 1.55
less 5800				7507.50
				4354.35

ESTIMATED TOTAL  
Tax 40.65 3153.15

CUSTOMER or AGENTS SIGNATURE

*[Signature]*

COWS FOREMAN

*[Signature]* Gary Wilbur

CUSTOMER or AGENT (PLEASE PRINT)

DATE

7-20-15

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.

53-73



PO Box 884, Chanute, KS 66720  
820-431-9210 or 800-467-8676

*1st well*

TICKET NUMBER 60934  
FIELD TICKET REF # 51014  
LOCATION Thayer  
FOREMAN George White

**TREATMENT REPORT  
FRAC & ACID**

*15001-31345*

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-20-15	1828	Palmer # A13-I				AL
CUSTOMER <i>Colt Energy Inc.</i>			Safety Meeting Attendees			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			751	Josh		James
STATE			715	Trampis		
ZIP CODE			482	Mercus		
			582	Landen		
			479/7102	Brian		
				George		

**WELL DATA**

CASING SIZE <i>4 1/2</i>	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
784-90	<i>(25)</i>

*20kgs  
14/30*

**TYPE OF TREATMENT**

*Acid Spot/Fracture*

**CHEMICALS**

<i>Customer Water</i>	<i>50 15% HCL Acid</i>
<i>30% Gel Breaker</i>	<i>Inhibitor</i>
<i>Blowdown</i>	<i>Marsumt</i>

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
<i>Pad</i>	<i>40</i>	<i>-20</i>				BREAKDOWN <i>1900</i>
<i>16/30</i>				<i>1500</i>		START PRESSURE
<i>16/30 Sballs</i>				<i>1</i>		END PRESSURE
<i>16/30</i>				<i>500</i>		BALL OFF PRESS
<i>Flush</i>	<i>12</i>					ROCK SALT PRESS
<i>Release</i>						ISIP <i>625</i>
<i>Overflush</i>	<i>10</i>					5 MIN <i>595</i>
						10 MIN <i>580</i>
	<i>116</i>			<i>2000</i>		15 MIN <i>525</i>
						MIN RATE
						MAX RATE
						DISPLACEMENT <i>12.28</i>

REMARKS: *Spot acid to parts - breakdown and stage*

AUTHORIZATION \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Terms and Conditions are printed on reverse side.

*5/2/15*



SERVICE COMPANY: COWS  
 TICKET NO: 60834  
 CUSTOMER NAME: C&K Energy Inc.  
 WELL NAME: Palmer#A13-J  
 WELL LOCATION:

DATE RECORDED: 07/20/2015  
 JOB NO:  
 UNIT DESCRIPTION:  
 UNIT NOTES:  
 FILE NAME:



C&KEnergyInc\_15\_07\_20\_#1.csv

