

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 # \_\_\_\_\_

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 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](mailto: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 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.**  
**Geological Report**

Well: **Steinforth "B" #B-7**

Draft: 2/22/2016

3132 FSL, 2415 FEL (loc. was 3135 FSL, 2475 FEL, moved due to very soft wet ground)

Section 13-T26S-R14E

Woodson Co., KS

API #: 15-207-29323

Elevation: 961 GL (est. from Topo Map)

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

Spud: 2/15/2016

Surface Casing: 11.75" bore hole, 8 5/8" set at 40.95', cmtd w/ 14 sx of Portland

Under Surface: 2/16/16

Drilling fluid: Water "native mud" and a little polymer

Production bore hole: 6 3/4"

Rotary Total Depth (RTD): 1398' (2/18/16)

Geophysical E-Log(s): CDL and IES by Osage Wireline (2/18/16)

Production Casing: None, P & A as non-commercial (2/19/16)

Plugged by: Consolidated Oil Well Services (2/19/16), used 110 sx of cement

<b>Formation/Member</b>	<b>Field Tops</b>	<b>Log Tops (Rdd off)</b>	<b>Datum (961)</b>
Lansing Ls	No call	194	767
Base Lansing	No call	455	506
Kansas City Ls	No call	529	432
Stark Sh	No call	616	345
Hushpuckney Sh	No call	658	303
Base Ks City	No call	680	281
"Old Drillers Log" B. KC	No call	696	265
South Mound Sh	808 (Drlg time)	808	153
"Weiser" Ss	891	888	73
Mulberry Coal	946	945	16
Myrick Station Ls	970	971	-10
Anna (Lexington Coal Zone) Sh	975 (Spl top)	975	-14
Ft. Scott ("Oswego") Ls	997	1000	-39
Little Osage (Summit Coal Zone) Sh	1018	1019	-58
Excello Sh	1031	1033	-72
Mulky Coal	-----	-----	-----
Squirrel Sand	1050 (Core top)	1053	-92
Base Squirrel Sand	1069	1068	-107
Bevier Coal	1101 (Drlg time)	1101	-140
Verdigris (Ardmore) Ls	1115	1113	-152
"V" (Croweburg) Sh	1117	1115	-154
Croweburg Coal	No call	-----	-----
Fleming Coal	1156	1155	-194
Mineral Coal	1168	1171	-210
Scammon Coal Zone	1181 (Spl top)	1183	-222

<b>Formation/Member</b>	<b>Field Tops</b>	<b>Log Tops (Rdd off)</b>	<b>Datum (961)</b>
"Lower" Cattleman Zone	1185 (Spl top)	1185	-224
Un-named Carb. Zone	1213	1213	-252
Un-Named Coal (Tebo?)	1215	1215	-254
Bartlesville Ss	1278	1278	-317
Base Bartlesville Ss	1338	1340	-379
Un-Named Coal	1344	1346	-385
Riverton Coal	1364	1365	-404
Mississippian ("Cgl.")	*1396	-----	*-435
Rotary Total Depth	*1398	-----	*-437
E-log TD	-----	1393	-432

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

**Note:** Drill cuttings were collected, "bagged", and microscopically examined from 1000 to 1047 and again from 1210 to the RTD of 1398.

**Major Zones of Interest:**

**"Weiser" Sandstone, 888-945.** Log shows well developed sand with good to excellent porosity, could make a good source for water, if needed at a later date, for flooding

**Mulberry Coal, 945-947.** Log displays about 1.75-2 feet of coal, lowest bulk density is 1.73.

**Anna Shale (Lexington Coal Zone), 975-978.** Shale, black, mostly angular cuttings, pyritic, no shows of gas, no coal present, and log verifies same, lowest bulk density is 2.30

**Little Osage Shale (Summit Coal Zone), 1019-1022.** Shale, black, very dark grays, trace medium green-gray, pyritic, no shows of gas, no coal in sample, and log indicates no coal present, lowest bulk density 2.30, same as the Anna Shale.

**Excello Shale and Mulky Coal Zone, 1033-1037.** Shale, black, blocky to angular cuttings, pyritic in part, trace questionable "coaly-shale", no coal found in the drill cuttings collected and examined, no shows of free gas, there is a large "wash-out" from 1037.5-1041.5 which has affected the bulk density readings, lowest is questionable at 1.94.

**Squirrel Sand Zone,** Stopped and circulated at 1047 (Driller's depth), circulated up; pale green to light green-gray, silty, laminated shale, trace light to medium tan silt/sandstone clusters with light oily odor, very-very dull fluorescence, and had very weak shows of free oil and hydrocarbon residue – "dead" oil.

**Note:** Cored the Squirrel Sand Zone from 1047-1078 (Driller's depths), please see the Core Report for more detail.

## Steinforth "B" #B-7

### Major Zones of Interest continued:

Bevier Coal, 1101-1102. Log shows less than a foot of coal, lowest bulk density is 2.16.

"V" Shale and Croweburg Coal Zone, 1115-1118.5+/-. Log shows black shale with possible coal at base, if so only a few inches thick, lowest bulk density through footage is 2.08.

Fleming Coal, 1155 -1156+. Log shows a little over 1.5+/- feet of coal, possible closer to around a foot, lowest bulk density is 2.03.

Mineral Coal, 1171-1172+. Log indicates close to 1.75 +/- feet of coal, possible closer to around 1-1.25+/-, lowest bulk density is 1.88.

Scammon Coal Zone, 1183-1185. Log reveals that the Scammon Coal is not well developed in the subject well, drill cutting collected and examined from this area contained only a trace of coal and "coaly-shale", both were fairly pyritic and no visible shows of free gas were seen, believe the coal to be only a few inches thick at best, lowest bulk density is 2.45.

"Lower" Cattleman Sand, 1185-1109. Shale, medium gray, very silty to sandy, few gray-brown, tan, and medium tan, silt size to very fine grain sand clusters that were shaley and carbonaceous, very poorly sorted, poor to very poor porosity, no odor, light hydrocarbon staining, no show of free oil, few scattered specks of "dead" oil residue.

Un-named Carbonaceous Zone (Tebo?), 1213-1246. Shale, black, fair amount of coal in sample, 5-10% were "floaters", all pyritic, no apparent shows of free gas, area where the black shale lays on top of the coal, lowest bulk density is 2.25.

### Bartlesville Sand Zone:

1258-1265. Shale, medium gray, very-very silty to very sandy –to a – very shaley silt/sandstone, scattered light hydrocarbon staining, very weak to questionable odor, no shows of free oil or gas, few scattered specks of hydrocarbon residue – "dead" oil.

#### 1265-1278.

Shale, medium gray, scattered disseminated micro carbonaceous and micaceous fragments, very silty with intermittent lamina and thin lenses of siltstone, silt/sandstone, and very fine to fine grain sandstone varying in color from light tans to black (due oil staining and hydrocarbon residue – "dead" oil), weak to fair oily odor, sheen shows of free oil – all increasing with depth.

Note: Cored the Bartlesville Sand Zone from 1278-1308 (Driller's depths) please see the Core Report for more detail.

## Steinforth "B" #B-7

### Bartlesville Sand Zone Drill Cuttings continued:

**1308-1318.** Sandstone, unconsolidated, clear, semi-translucent, frosted, mostly fine grains, sub-rounded to very angular, poor to moderately sorted, few very fine, very friable clusters, very good to excellent inter-granular porosity, weak to fair "pungent" hydrocarbon odor, fair show of free oil, fair fluorescence (for the area), no shows of free gas, did circulate a fair to good show of free oil to the drilling pits when drilling through this footage, log indicates same to be "watery".

**1318-1330.** Sandstone, as above, with ample or a significant amount of gray-green, green-gray, dark gray, shale platelets and silty to shaley, silt size to very fine grain clusters of sandstone, scattered beige clay/mudstone fragments, light odor, very-very weak to no shows of free oil, trace shows of hydrocarbon residue, sand is "watery".

**1330-1340.** Sandstone, 90% plus is unconsolidated, fine to medium with trace coarse grain, sub-rounded to very angular, poorly sorted, some of the sand grains are coated with a light to medium yellow-orange-tan mineral – looks a little like rust, abundant clay/mudstone fragments (possible part of footage above), fair "pungent" hydrocarbon odor, no fluorescence, what few sand clusters found contained weak to fair show of tarry and "dead" oil residue, sample bag had very good oil stain, no shows of free oil or gas, sand is watery.

**Un-named Coal (one of the Neutrals / "AW" or "BW"), 1346-1348+.** Coal and trace "coaly-shale", pyritic, no shows of free gas, log designates a not very well developed coal, lowest bulk density is 2.26.

**Un-named Coal (possible Riverton), 1365-1368+.** Coal, trace "floaters" (less than 3%), fairly pyritic, questionable secondary fracturing, no visible gypsum of calcium crystallization along fracture planes, no perceptible shows of free gas, looks to be a little over 2 feet thick and lowest bulk density reading is 1.48.

**Mississippi(an) (not logged), 1396-1398 (RTD).** Conglomerate; weathered cherts, off white, cream, mostly tripolitic, "re-worked" limestone fragments, sandstone grains in a sort of silicon clay matrix which also contains carbonaceous and pyritic material, trace aqua marine shale, no shows.

### Summary:

It is the authors belief that the B-7 could of made a 1 to 2 barrel/day well if both the Squirrel and Bartlesville Sands were open for production (after any "flush"), but due to the economics of the petroleum industry (as of report date), the decision was made to plug and abandon the subject well as non-commercial.

End Report  
Rex R. Ashlock  
For: Colt Energy, Inc.

# COLT ENERGY, INC.

## CORE REPORTS for the Squirrel and Bartlesville Sand Zones

2/ 17 & 22 /2016

Well: Steinforth "B" #B-7

3132 FSL, 2415 FEL

Section 13-T26S-R14E

Woodson Co., KS

API #15-207-29323

Elevation: 961 (est. from Topo Map)

### Core #1: Squirrel Sand Zone, 1047-1074 (2/17/2016)

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

<u>Min.</u>	<u>Sec.</u>	<u>Min.</u>	<u>Sec.</u>	<u>Min.</u>	<u>Sec.</u>
1047	---	1057	24	1066	33
1048	35	1058	30	1067	34
1049	23	1059	25	1068	35
1050	22	1060	23	1069	32
1051	25	1061	24	1070	32
1052	26	1062	25	1071	31
1053	29	1063	29	1072	32
1054	28	1064	30	1073	31
1055	24	1065	31	1074	31
1056	22				

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

1047.00-1047.90 Shale, light gray to medium gray-green, silty, few lamina, no show of free oil or "bleed". {.90}

1047.90-1050.10 Shale, medium gray, abundant featheredge lamina, no show. {2.20}

1050.10-1050.40 Sandstone, silty to shaley, weak to fair with trace good bleed prior to rinse, weak to fair after rinse, few scattered gas bubbles. {.40}

1050.40-1050.70 Shale, laminated, carbonaceous, few gas bubbles and light bleed from some of the sandier lamina. {.30}

1050.70-1051.20 Sandstone, top 1 1/2" light to weak bleed, few scattered gas bubbles, then light gray, dense sand with no bleed, bottom 2" same show as top, but the base lays at about a 45+/- degree angle on shale. {.50}



**Steinforth "B" #B-7**

**Core #1 continued:**

**1051.20-1051.65** Shale, medium gray, silty, no show. {.45}

**1051.65-1055.15** Sandstone, fair to somewhat good bleed, gassy, prior to rinse, weak to fair bleed grading to no bleed bottom 8" and exhibited few scattered gas bubbles toward top after rinse. {3.50}

**1055.15-1055.50** Shale, scattered lamina, some of the sandier lamina had a light bleed, but no bleed after rinse. {.35}

**1055.50-1056.00** Sandstone, weak to fair bleed, with a few scattered gas bubbles prior to rinse, no bleed after rinse except top ½" and bottom 1", few bubbles at noted top and bottom. {.50}

**1056.00-1057.30** Shale, gray to medium gray, silty to very sandy, 3 thin sand lenses with very-very weak bleed and gas bubbles. {1.30}

**1057.30-1058.20** Sandstone, top 4.5" displayed fair to good bleed and was gassy prior to rinse, and fair trace good after rinse, rest had weak to no bleed prior and no bleed after rinse – consisted of mostly dead to somewhat "tacky" (in part) "heavy" black oil. {.90}

**1058.20-1058.60** Shale, with very-very light gray, convoluted, silt/sandstone, featheredge to ½" lamina, no show. {.40}

**1058.60-1059.60** Sandstone, fair to good bleed, scattered gas bubbles, no bleed, but increased to fair bleed bottom 4" after rinse. {1.00}

**1059.60-1059.80** Shale, gray to medium gray, silty. {.20}

**1059.80-1061.35** Sandstone, fair to somewhat good bleed prior to rinse, very weak bleed of "tacky" "heavy" black oil after rinse, except the bottom 4.5" which had no bleed, only a strong oily sheen. {1.55}

**1061.35-1074.00:** Mostly or highest percentage of sandstone from 1061.35-1068.80 that exhibited weak bleed with a few gas bubbles before and very-very weak to no bleed after rinse except where the few scattered gas bubbles were still escaping. Could not see an apparent boundary between the sand and shale, was a uniform grading (with depth) from sand to silty-shaley-sand to very silty to somewhat sandy shale to very silty shale to slightly silty shale. Oil content was the same way (which was 70-80 percent hydrocarbon residue or "dead" oil. {12.65 feet, of which 3+/- feet could be considered sandstone or a slightly silty to shaley sandstone}

**Steinforth "B" #B-7**

**Core #1 continued:**

**Summary:**

The subject core contained approximately 8.35 feet of sandstone with "live" oil bleed, 1060.9+/- could be considered a "cut off" or boundary between "live" oil and "dead" oil and/or a possible oil/water contact.

**Core #2: Bartlesville Sand Zone, 1278-1308 (2/18/2016)**

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

<u>Min.</u>	<u>Sec.</u>	<u>Min.</u>	<u>Sec.</u>	<u>Min.</u>	<u>Sec.</u>
1278	---	1289	20	1299	21
1279	no time	1290	25	1300	22
1280	no time	1291	21	1301	21
1281	no time	1292	23	1302	22
1282	no time	1293	21	1303	21
1283	21	1294	23	1304	22
1284	21	1295	22	1305	22
1285	20	1296	21	1306	21
1286	20	1297	22	1307	22
1287	20	1298	21	1308	22
1288	21				

Note: No core time for first 4 feet, was making depth correction and did not realize was coring.

**1278.00-1284.15** Sandstone, very shaley scattered silty-shale and shaley-sandstone lamina, 2 vertical fractures laying at approximately 40+/- degree angle, one at 1278.4-1279 and the other at 1279.6-1280.4, and a large elongated ping-ball size clay/mudstone nodule at 1282.5. Weak shows of free oil – "bleed" prior to rinse and very weak bleed after rinse, few scattered gas bubbles. {4.15}

**1284.15-1285.20** Shale with intermittent light to very dark gray silty-shaley lamina, and light to very light gray, wedge shaped, sandstone lamina, lamina varied from featheredged up to 3/4 inch thick, scattered gas bubbles and bleed from the sandier lamina and along the contact planes of the carbonaceous material found within this footage. {1.05}

**1285.20-1288.50** Sandstone, weak to fair bleed before rinse and weak bleed after rinse, scattered gas bubbles. {3.30}

## **Steinforth “B” #B-7**

### **Core #2 continued:**

**1288.50-1289.00** Sandstone, very dark gray to black, fair bleed before and after rinse, looked to have a fair amount of hydrocarbon residue or “dead” oil, gassy. {.50}

**1289.00-1289.40** Shale, gray to medium, silty in part (small shale break between sand). {.40}

**1289.40-1293.45** Sandstone, small 2” shale break at 1290.6, good to somewhat very good bleed, prior to rinse, mostly good bleed after rinse, but with time increased too good to very good bleed, gassy. {4.40}

**1293.45-1293.95** Sandstone, dark to very dark gray-black, good bleed before and after rinse, gassy, is carrying a large percent of hydrocarbon residue or “dead” oil. {.50}

**Note:** The free or bleeding oil found from 1278-1294 was/is a medium brown to somewhat dark brown compared to the very dark brown to black oils found at Colt’s “Big Sandy” leases – lighter gravity.

**1293.95-1296.10** Shale, abundant featheredge to ½ inch silt/sandstone, silty and sandy shaley lamina, mostly wavy bedded, there is a 2 inch sandstone lens at 1295.9 that exhibited a few gas bubbles, but no bleed except around the gas bubbles. {2.15}

**1296.10-1297.65** Sandstone, silty to shaley, scattered carbonaceous material, fair to somewhat good bleed before rinse, very weak to mostly no bleed after rinse. {1.55}

**1297.60-1299.50** Intermittent 1 ½” layers of sandstone lying at approximately 40 degree angles, few elongated, marble size clay/mudstone nodules at base, contained “dead” oil, no bleed, looked “watery”. {1.90}

**1299.50-1303.50** Sandstone, very carbonaceous lamina from 1302.8 to 1303.1, no bleed, only displayed an oily sheen prior to rinse and no sheen after rinse - “dead” oil. {4.00}

**1303.50-1303.70** Thin lens of light brown, tan, silty, sandstone, no show. {.20}

**1303.70-1304.55** Sandstone, medium gray, no bleed – “dead” oil. {.85}

**1304.55-1304.75** Shale, silty to sandy, no show. {.20}

**1304.75-1307.55** Sandstone, medium gray, mostly no bleed before rinse except for a few scattered patches, same after rinse except from 1306.35 to 1306.55 which displayed very-very weak bleed and a few gas bubbles. {2.80}

**1307.55-1308.00** Not recovered or miss measured .45 feet.

**Steinforth "B" #B-7**

**Core #2 continued:**

**Summary:**

The subject core reviled a minimum of 6 probable feet of productive sand and possibly up to 10 feet if one takes in account the thin 6 +/- 4 inch sand lenses that exhibited "bleeding" oil and gas.

End Report

---

Rex R. Ashlock  
For: Colt Energy, Inc.

CONV 101



**CONSOLIDATED**  
Oil Well Services, LLC

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

3/20 MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210, 1-800/467-8676  
Fax 620/431-0012

Invoice Invoice# 807088

Invoice Date: 02/24/16 Terms: Net 30 Page 1

COLT ENERGY INC.  
1112 RHODE ISLAND RD  
IOLA KS 66749  
USA  
6203653111

STEINFORTH B B-7

15-207-29323

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	48.000	780.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	48.000	111.54
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	48.000	343.20
CC5840	Poz-Blend I A (50:50)	110.000	13.5000	48.000	772.20
CC5965	Bentonite	854.000	0.3000	48.000	133.22

Subtotal 4,115.70  
Discounted Amount 1,975.54  
SubTotal After Discount 2,140.16

Amount Due 4,246.29 If paid after 03/25/16

Tax: 67.90  
Total: 2,208.06

100200  
D/6003267

APPROVED JA 2/29/2016

FEB 29 2016



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanula, KS 66720  
820-491-8210 or 800-467-8678

Invoice # 801088 <sup>5374</sup>/<sub>5283</sub>

TICKET NUMBER 49944  
LOCATION Atawa, KS  
FOREMAN Casey Kennedy

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT 15-207-29329**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2/19/16	1828	Steinfertth "B" #B-7	NE 23	26	14E	WO
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Colt Energy, Inc.			729	Casey	✓ Safety	Wasting
MAILING ADDRESS			407	KeiCar	✓	
P.O. Box 388			804	Michelle	✓	
CITY	STATE	ZIP CODE				
Tola	KS	66749				

JOB TYPE plug HOLE SIZE 6 3/4 HOLE DEPTH 1398' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/ft \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS: hold safety net in, established circulation thru drill steel at 1398', mixed & pumped 300 # Bentonite spacer, mixed & pumped 35 sks Portland IA cement w/ 6% gal per sk, displaced cement w/ 12 bbls fresh water, pulled drill steel to 1080', mixed & pumped 15 sks cement followed by 9 bbls fresh water, pulled drill steel to 250', mixed & pumped 50 sks cement, cement to surface, pulled drill steel from hole, topped well off w/ 10 sks cement, washed up drill steel & equipment.

\* Customer supplied H<sub>2</sub>O \*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	30 mi	MILEAGE	214.50	
CE0711	1 mi	tan mileage	600.00	
		trucks	2374.50	
		- 48 %	1139.76	
		subtotal		1234.74
CC5840	110 sks	Portland IA cement	1485.00	
CC5905	854 #	Bentonite	286.20	
		materials	1741.20	
		- 48 %	835.78	
		subtotal		905.42
		7.5%	SALES TAX	67.90
		ESTIMATED TOTAL		2208.06

Revin 3737

AUTHORIZATION R.R. [Signature] TITLE \_\_\_\_\_ DATE 2/19/2016

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

## TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

**Terms.** Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use, occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid by others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

## SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a "claim") for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart, interpretation, research analysis, job recommendation or other data furnished by COWS. (COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

## WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.

3110

# INVOICE

## Bar Drilling, LLC

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

DATE: February 22, 2016  
INVOICE #

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

**FOR:** Steinforth B7  
15-207-29323

DESCRIPTION	Quantity	RATE	AMOUNT
set 40.9' of 8 5/8" surface casing with 14 sacks of cement		included	
Drilled 1398' 6 3/4" hole.	1.00	10125.00	10,125.00
2nd core	1.00	1500.00	1,500.00
plugging	2.00	250.00	500.00
20% discount			(2,425.00)
<b>APPROVED JA 2/29/2016</b>			
SUBTOTAL			\$ 9,700.00
TAX RATE			
SALES TAX			
OTHER			
<b>TOTAL</b>			<b>\$ 9,700.00</b>

100200  
 D16003109 9300.00  
 D16003267 400.00  
9700.00

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> Cott Energy Inc. P. O. Box 388 Iola, KS 66749		<b>Well No.</b> b7	<b>Lease Name</b> Steinforth	<b>Well Location</b> 3135ftsl, 2475ftel	<b>1/4 NW 1/4 SW 1/4</b>	<b>Sec.</b> 13	<b>Twp.</b> 26	<b>Rge,</b> 14e		
<b>Well API #</b> 15-207-29323		<b>Type/Well</b> Oil	<b>County</b> Woodson	<b>State</b> KS	<b>Total Depth</b> 1398	<b>Date Started</b> 2/15/2016	<b>Date Completed</b> 2/18/2016			
<b>Job/Project Name/No.</b>		<b>Surface Record</b>		<b>Bit Record</b>		<b>Coring Record</b>				
<b>Driller/Crew</b>	<b>Bit Size:</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>
Andy King	11 1/4	PDC	11 1/4	0'	40.9'	1	3"	1047	1074	99
Charles King	8 5/8	PDC	6 3/4	40.9'	1398	2	3"	1278	1308	99
	<b>Casing Length:</b> 40.9'									
	<b>Cement Used:</b> 14SX									
	<b>Cement Type:</b> Portland									

**Formation Record**

From	To	Formation	From	To	Formation	From	To	Formation
0	25	Overburden						
25	197	shale						
197	458	lime						
458	532	shale						
532	698	lime						
698	847	shale						
847	857	lime						
857	948	sand/shale						
948	997	shale						
997	1019	lime						
1019	1047	shale						
1047	1074	core						
1074	1278	shale						
1278	1308	core						
1308	1340	sand, oil show						
1340	1397	shale						
1397	1398	Miss. Lime						
<b>Well Notes:</b> plugged								

2-15-2016  
10:19 Surface

Dr. 11  
2-16-2016

- 127  
- 197 time

- 532 KC

- 1047 497

- 1047 200 pt

> 1047 - 10 201  
2012

B-17-2/16



1272-1308

Loc

Core slot

# Bar Drilling, LLC

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Yates Center, KS 66783  
(719) 210-8806 ,(620) 625-3679

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OTHER			
<b>TOTAL</b>			<b>\$ 9,700.00</b>

**THANK YOU FOR YOUR BUSINESS!**

