

Johnson County, KS  
Well: Evans I-7  
Lease Owner: DE Exploration

Town Oilfield Service, Inc.  
(913) 294-2125

Commenced Spudding:  
2/14/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-36	Soil-Clay	36
22	Shale	58
21	Lime	79
7	Shale	86
9	Lime	95
5	Shale	100
18	Lime	118
15	Shale	133
8	Sand	141
26	Lime	167
32	Shale	199
12	Lime	211
21	Shale	232
9	Lime	241
8	Shale	249
10	Lime	259
18	Shale	277
8	Lime	285
5	Shale	290
6	Lime	296
33	Shale	329
2	Lime	331
8	Shale	339
27	Lime	366
5	Shale	371
24	Lime	395
3	Shale	398
4	Lime	402
3	Shale	405
7	Lime	412
30	Shale	442
10	Sand & Sandy Shale	452
130	Shale	582
4	Lime	586
4	Shale	590
4	Lime	594
8	Shale	602
8	Lime	610
13	Shale	623
4	Lime	627



# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times 14xh$

D equals diameter in feet.

h equals height in feet.

## BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals  $BPH \times PSI \times .0004$

BPH - barrels per hour

PSI - pounds square inch

## TO FIGURE PUMP DRIVES

\* D - Diameter of Pump Sheave

\* d - Diameter of Engine Sheave

SPM - Strokes per minute

RPM - Engine Speed

R - Gear Box Ratio

\*C - Shaft Center Distance

D -  $RPM \times d$  over  $SPM \times R$

d -  $SPM \times R \times D$  over RPM

SPM -  $RPM \times D$  over  $R \times d$

R -  $RPM \times D$  over  $SPM \times d$

BELT LENGTH -  $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

\* Need these to figure belt length

TO FIGURE AMPS:  $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

# Log Book

Well No. I-7

Farm Evans

KS Johnson  
(State) (County)

1 15 21  
(Section) (Township) (Range)

For D.E. Exploration  
(Well Owner)

## Town Oilfield Services, Inc.

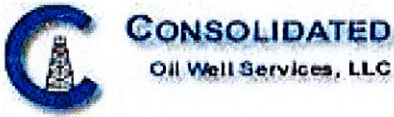
1207 N. 1st East  
Louisburg, KS 66053  
913-710-5400



Thickness of Strata	Formation	Total Depth	Remarks
0-36	Soil-clay	36	
22	Shale	58	
21	Lime	79	
7	Shale	86	
9	Lime	95	
5	Shale	100	
18	Lime	118	
15	Shale	133	
8	sand	141	redbed water
26	Lime	167	
32	Shale	199	
12	Lime	211	
21	Shale	232	
9	Lime	241	
8	Shale	249	
10	Lime	259	
18	Shale	277	
8	Lime	285	
5	Shale	290	
6	Lime	296	
33	Shale	329	
2	Lime	331	
8	Shale	339	
27	Lime	366	
5	Shale	371	
24	Lime	395	
3	Shale	398	

398

Thickness of Strata	Formation	Total Depth	Remarks
4	Lime	402	
3	Shale	405	
7	Lime	412	Heifha
30	Shale	442	
10	sand & sandy shale	452	no oil
130	Shale	582	
4	Lime	586	
4	Shale	590	
4	Lime	594	
8	Shale	602	
8	Lime	610	
13	Shale	623	
4	Lime	627	
11	Shale	638	
4	Lime	642	
20	Shale	662	redbed
2	Lime	664	
3	Shale	667	
2	Lime	669	
68	Shale	737	
5	sand	742	broken - gas odor
115	Shale	857	
1	sandy lime	858	
perf 6	sand	864	broken - good saturation
12	sandy shale	876	
84	Shale	960	TD



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

MAIN OFFICE

P.O.Box884  
 Chanute, KS 66720  
 620/431-9210, 1-800/467-8676  
 Fax 620/431-0012

Invoice

Invoice#

809641

Invoice Date: 02/21/17

Terms: Net 30

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D.E. EXPLORATION

P.O. BOX 128  
 WELLSVILLE KS 66092  
 USA  
 7858834057

EVANS #I-7

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	60.000	600.00
CE0002	Equipment Mileage Charge - Heavy Equipment	25.000	7.1500	60.000	71.50
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	60.000	264.00
WE0853	80 BBL Vacuum Truck (Cement Services)	2.500	100.0000	60.000	100.00
CC5840	Poz-Blend I A (50:50)	140.000	13.5000	60.000	756.00
CC5965	*Bentonite*	335.000	0.3000	60.000	40.20
CC5326	Sodium Chloride, Salt	282.000	1.0000	60.000	112.80
CC6077	Kolseal	700.000	0.5000	60.000	140.00
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	60.000	18.00
CC6128	Mud Flush - C	0.500	50.0000	60.000	10.00

Subtotal 5,281.25

Discounted Amount 3,168.75

SubTotal After Discount 2,112.50

Amount Due 5,489.25 If paid after 03/23/17

Tax: 83.20

Total: 2,195.70



**CONSOLIDATED**  
Oil Well Services, LLC

7588 / 7487

TICKET NUMBER 50401  
LOCATION Ottawa KS  
FOREMAN Fred Maden

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

**FIELD TICKET & TREATMENT REPORT  
CEMENT**

**Invoice #809641**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-17-17	2355	Evans # I-7	NE 1	15	21	Jo
CUSTOMER D E Exploration			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS P.O. Box 128			712 - Fre Mad ✓			
CITY STATE ZIP CODE Wellsville KS 66092			495 - Har Bec ✓			
			675 - Kol Det ✓			
			558 - Milk Ha ✓			

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 960 CASING SIZE & WEIGHT 2 7/8 EUE  
CASING DEPTH 952 DRILL PIPE Baffle INTUBING @ 920 OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 32'  
DISPLACEMENT 5.35B DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4BPM

REMARKS: Hold Safety Meeting. Establish pump Rate. Pump 1/2 Gal  
Mod Flush "C". Circulate to condition well. Mix + Pump  
100# Gel Flush. Mix + Pump 140 SKS For Blend IA Cement  
270 Gal 5% Salt 5# Kol Seal / SK. Cement to surface. Flush  
pump + lines clean. Displace 2 1/2" Rubber plug to casing Baffle.  
Pressure to 800\* PSI. Release pressure to set float valve.  
Shut in Casing.

TOS Drilling

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500 <sup>00</sup>
CE0002	25 mi	MILEAGE	495	17875
CE0711	Minimum	Ton Miles Delivery	558	660 <sup>00</sup>
WE0853	2 1/2 hr	90 BBL Vac Truck	675	250 <sup>00</sup>
		Sub Total		258875
		Less 60%		103550
CC5840	140 SKS	Por Blend IA Cement		1890 <sup>00</sup>
CC5965	335#	Bentonite Gel		10050
CC5326	282#	Salt		26210
CC6077	700#	Kol Seal		35700
CP8174	1	2 1/2" Rubber Plug		4500
CC6128	1/2 Gal	Mud Flush "C"		2500
		Sub Total		269250
		7.725%	SALES TAX	8320
			ESTIMATED TOTAL	219570

Ravin 3737

AUTHORIZATION Bryan Mills TITLE \_\_\_\_\_ DATE 5-4-89 25

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.