

Johnson County, KS
Well: Evans #2
Lease Owner:DE Exploration

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

Commenced Spudding:
1/25/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-28	Soil-Clay	28
24	Shale	52
22	Lime	74
7	Shale	81
9	Lime	90
6	Sandy Shale	96
18	Lime	114
23	Shale	137
27	Lime	164
5	Shale	169
5	Sand & Sandy Shale	174
19	Shale	193
11	Lime	204
21	Shale	225
9	Lime	234
9	Shale	243
11	Lime	254
13	Shale	267
4	Shale & Lime	271
8	Lime	279
6	Shale	285
6	Lime	291
32	Shale	323
1	Lime	324
10	Shale	334
25	Lime	359
7	Shale	366
23	Lime	389
4	Shale	393
3	Lime	396
4	Shale	400
6	Lime	406
24	Shale	430
20	Sandy Shale	450
127	Shale	577
5	Lime	582
4	Shale	586
2	Lime	588
12	Shale	600
6	Lime	606

Short Cuts

TANK CAPACITY

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

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. 2

Farm Evans

KS
(State)

Johnson
(County)

1
(Section)

15
(Township)

21
(Range)

For D. E. Exploration
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Evans Farm: Johnson County
 125 State, Well No. 2
 Elevation 1016
 Commenced Spuding 1-25 20 17
 Finished Drilling 1-27 20 17
 Driller's Name Wesley Dollard
 Driller's Name
 Driller's Name
 Tool Dresser's Name Ryan Ward
 Tool Dresser's Name
 Tool Dresser's Name
 Contractor's Name TOS
 1 15 21

(Section) (Township) (Range)
 Distance from S line, 5020 ft.
 Distance from E line, 680 ft.
 3 sacks
 1 core
 12 hrs
 5 5/8 bore hole

CASING AND TUBING
 RECORD

10" Set _____ 10" Pulled _____
 8" Set _____ 8" Pulled _____
 7 1/2" Set 22 6 1/4" Pulled _____
 4" Set _____ 4" Pulled _____
 2" Set _____ 2" Pulled _____

CORE

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
855.20				seat nipple	
887.10				Baffle	
916.65				Float	
940 TD				2 7/8	

Thickness of Strata	Formation	Total Depth	Remarks
0-28	soil-clay	28	
24	shale	52	
22	lime	74	
7	shale	81	
9	lime	90	
6	sandy shale	96	
18	lime	114	
23	shale	137	red bed
27	lime	164	
5	shale	169	
5	sand & sandy shale	174	no oil
19	shale	193	
11	lime	204	
21	shale	225	
9	lime	234	
9	shale	243	
11	lime	254	
13	shale	267	
4	shale & lime	271	
8	lime	279	
6	shale	285	
6	lime	291	
32	shale	323	
1	lime	324	
10	shale	334	
25	lime	359	
7	shale	366	

366

Thickness of Strata	Formation	Total Depth	Remarks
23	Lime	389	
4	Shale	393	
3	Lime	396	
4	Shale	400	
6	Lime	406	Hertha
24	Shale	430	
20	sandy shale	450	
127	shale	577	
5	Lime	582	
4	Shale	586	
2	Lime	588	
12	Shale	600	
6	Lime	606	
13	Shale	619	
4	Lime	623	
13	Shale	636	
2	Lime	638	
20	Shale	658	red bed
3	Lime	661	
2	Shale	663	
2	Lime	665	
69	Shale	734	
5	sand & sandy shale	739	gas odor
120	shale	859	
19	lime	878	page 6
10	sandy shale	888	
52	Shale	940	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 # 809435

Invoice Date: 01/31/17 Terms: Net 30 Page 1

D.E. EXPLORATION
 P.O. BOX 128 EVANS #2
 WELLSVILLE KS 66092
 USA
 7858834057

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)	2.000	100.0000	60.000	80.00
CC5840	Poz-Blend I A (50:50)	120.000	13.5000	60.000	648.00
CC5965	*Bentonite*	302.000	0.3000	60.000	36.24
CC5326	Sodium Chloride, Salt	242.000	1.0000	60.000	96.80
CC6077	Kolseal	600.000	0.5000	60.000	120.00
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	60.000	18.00

Subtotal 4,836.35
 Discounted Amount 2,901.81
 SubTotal After Discount 1,934.54

Amount Due 5,013.84 If paid after 03/02/17

Tax: 71.00
 Total: 2,005.54



CONSOLIDATED
Oil Well Services, LLC

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

7413
7311

TICKET NUMBER 50365
LOCATION Ottawa KS
FOREMAN Fred Mader

**FIELD TICKET & TREATMENT REPORT
CEMENT**

Invoice # 809435

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-27-17	2355	Evans # 2	NE 1	15	28	20
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 / Harbac			
			675 / Kai Det			
			548 / Alama			

JOB TYPE hangstring HOLE SIZE _____ HOLE DEPTH 940 CASING SIZE & WEIGHT 2 7/8 EUG
 CASING DEPTH 918 DRILL PIPE Baffle TUBING @ 887 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 31' + Plug
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE 48 PM

REMARKS: Hold safety meeting. Establish circulation. Mix + Pump 100# Gel Flush. Mix + Pump 120 SKS Por Blend IA Cement 2% Gel 5% Salt 5# Kal Seal/sk. Cement to surface. Flush pump + lines clean. Displace 2 1/2" Rubber Plug to Baffle in Casing. Pressure to 800# PSI. Release pressure to set float valve. Shut in casing

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500.00
CE0002	25mi.	MILEAGE	495	17825
CE0711	Minimum	Ton Miles Delivery	548	660.00
WE0853	2hrs	80 BBL Vac Truck	675	200.00
				2538.75
		Less 60%		1015.50
CC5840	120 SKS	Por Blend IA Cement		1620.00
CC5965	302#	Bentomite Gel		90.60
CC5326	242#	Salt		242.00
CC6077	600#	Kal Seal		300.00
CP8176	1	2 1/2" Rubber Plug		45.00
				2297.60
		Less 60%		919.04
				7725.00
		SALES TAX		71.00
		ESTIMATED TOTAL		2005.54

Revin 3737

AUTHORIZATION _____ TITLE _____ DATE (5013 84)

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.