

Anderson County, KS
Well: Brock # 2
Lease Owner: Rickerson

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

Commenced Spudding:
2/16/18

WELL LOG

Thickness of Strata	Formation	Total Depth
0-14	Soil-Clay	14
11	Shale	25
25	Lime	50
180	Shale	230
28	Lime	258
12	Shale	270
8	Shale & Lime	278
46	Shale	324
10	Lime	334
6	Shale	340
36	Lime	376
8	Shale	384
27	Lime	411
4	Shale	415
4	Lime	419
2	Shale	421
15	Lime	436
8	Shale	444
8	Sandy Shale	452
23	Shale	475
5	Sandy Shale	480
129	Shale	609
2	Lime	611
7	Shale	618
8	Lime	626
9	Shale	635
18	Sand	653
26	Shale	679
10	Lime	689
14	Shale	703
3	Lime	706
23	Shale	729
6	Lime	735
22	Shale	757
1	Lime	758
3	Shale	761
3	Lime	764
9	Shale	773
3	Lime	776
16	Shale	792

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 $SPM \times d$

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

* Need these to figure belt length

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

746 WATTS equal 1 HP

Log Book

Well No. 2

Farm Brook

KS
(State)

Anderson
(County)

25
(Section)

20
(Township)

20
(Range)

For Russell Richardson
(Well Owner)

15-003-26615

Town Oilfield Services, Inc.

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

Thickness of Strata	Formation	Total Depth	Remarks
0-14	Soil-clay	14	
11	Shale	25	
25	Lime	50	
180	Shale	230	
28	Lime	258	
12	Shale	270	
8	Shale & Lime	278	
46	Shale	324	
10	Lime	334	
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36	Lime	376	
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27	Lime	411	
4	Shale	415	
4	Lime	419	
2	Shale	421	
15	Lime	436	Heath
8	Shale	444	
8	sandy shale	452	
23	Shale	475	
5	sandy shale	480	
129	Shale	609	
2	Lime	611	
7	Shale	618	
8	Lime	626	odor - slight oil show
9	Shale	635	
18	Sand	653	gas odor - slight show



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

TICKET NUMBER 53973
 LOCATION Ottawa KS
 FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2/19/18	6963	Brock #2	NW25	20	20	AN
CUSTOMER Rickerson, Russell						
MAILING ADDRESS 4252 John Brown Rd						
CITY Rantoul		STATE KS	ZIP CODE 66079			

TRUCK #	DRIVER	TRUCK #	DRIVER
729	Casey	✓	Datohy
467	Kei Car	✓	Meeking
503	Har Bee	✓	
369	Mikhaa	✓	

JOB TYPE long string HOLE SIZE 6 3/4" HOLE DEPTH 900' CASING SIZE & WEIGHT 4 1/2"
 CASING DEPTH 882' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING _____
 DISPLACEMENT 14.07 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200# Premium Gel followed by 5 bbls fresh water, mixed & pumped 8 bbls dye marker, mixed & pumped 124 SCS Pozblend 1A cement w/ 2% gel per sk, dye marker to cement surface, flushed pump clean, pumped 4 1/2" rubber plug to casing TD w/ 14.07 bbls fresh water, cement to surface, pressured to 800 PSI, released pressure, shut in casing.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	5 mi	MILEAGE	35.75	
CE0711	min	ton mileage	1660.00	
WE0853	3 hrs	80 Vac	300.00	
		trucks	2495.75	
		- 30 %	748.73	
		subtotal		1747.02
CS540	124 SCS	Pozblend 1A cement	1674.00	
CS965	408 #	Gel	122.40	
CP8178	4 1/2"	rubber plug	75.00	
		materials	1871.40	
		- 30 %	561.42	
		subtotal		1309.98
		8%		
		SALES TAX		104.80
		ESTIMATED TOTAL		3161.80

Rev'n 3737 AUTHORIZATION [Signature] TITLE _____ DATE 8/16/18

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.