

Johnson County, KS  
Well:Schroader #15  
Lease Owner: D.E. Exploration

Town Oilfield Service, Inc.  
(913) 837-8400

Commenced Spudding:  
02/04/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
19	soil/slay	19
21	shale	40
22	lime	62
7	shale	69
8	lime	77
5	shale	82
19	lime	101
12	shale	113
12	sand	125
3	sandy shale	128
22	lime	150
45	shale	195
10	lime	205
17	shale	222
5	lime	227
4	shale	231
11	lime	242
18	shale	260
7	lime	267
12	shale	279
3	lime	282
33	shale	315
1	lime	316
11	shale	327
24	lime	351
7	shale	358
24	lime	382
4	shale	386
5	lime	391
3	shale	394
5	lime	399
6	shale	405
5	sandy shale	410
4	shale	414
5	sandy shale	419
4	shale	423
20	sand	443
5	sandy shale	448
124	shale	572
3	lime	575



# 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 x PSI x .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. Schneider # 15

Farm Schneider

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
19	soil / clay	19	
21	shale	40	
22	Lime	62	
7	shale	69	
8	Lime	77	
5	shale	82	
19	Lime	101	
12	shale	113	red-bed
12	sand	125	no oil
3	sandy shale	128	
22	Lime	150	
45	shale	195	
10	Lime	205	
17	shale	222	
5	Lime	227	
4	shale	231	
11	Lime	242	
18	shale	260	
7	Lime	267	
12	shale	279	
3	Lime	282	
33	shale	315	
1	Lime	316	
11	shale	327	
24	Lime	351	
7	shale	358	
24	Lime	382	

Thickness of Strata	Formation	Total Depth	Remarks
		382	
4	shale	386	
5	Lime	391	
3	shale	394	
5	Lime	399	None there
6	shale	405	
5	sandy shale	410	
4	shale	414	
5	sandy shale	419	
4	shale	423	
20	sand	443	(30 psi - 5 min and gaining 5, Gas) gray sand with some sandy shale, water
5	sandy shale	448	
124	shale	572	
3	Lime	575	
5	shale	580	
2	Lime	582	
10	shale	592	
10	Lime	602	
12	shale	614	
2	Lime	616	
12	shale	628	
4	Lime	632	
22	shale	654	
2	Lime	656	
2	shale	658	
2	Lime	660	
66	shale	726	
5	sand	731	no oil (Gas 8 psi - 5 min), Brownsand





**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 # 265992

Invoice Date: 02/18/2014 Terms: 0/0/30,n/30

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ALTAVISTA ENERGY INC  
4595 K-33 HIGHWAY  
P.O. BOX 128  
WELLSVILLE KS 66092  
(785) 883-4057

SCHRODER #15  
42636  
SW 1-15-21  
02-13-2014  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	137.00	11.5000	1575.50
1118B	PREMIUM GEL / BENTONITE	430.00	.2200	94.60
1111	SODIUM CHLORIDE (GRANULA	288.00	.3900	112.32
1110A	KOL SEAL (50# BAG)	685.00	.4600	315.10
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50
Description		Hours	Unit Price	Total
503	MIN. BULK DELIVERY	1.00	368.00	368.00
666	CEMENT PUMP	1.00	1085.00	1085.00
666	EQUIPMENT MILEAGE (ONE WAY)	30.00	4.20	126.00
666	CASING FOOTAGE	915.00	.00	.00
675	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00

=====  
Parts: 2127.02 Freight: .00 Tax: 156.87 AR 4042.89  
Labor: .00 Misc: .00 Total: 4042.89  
Sublt: .00 Supplies: .00 Change: .00  
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Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK 918/338-0808    EL DORADO, KS 316/322-7022    EUREKA, KS 620/583-7664    PONCA CITY, OK 580/762-2303    OAKLEY, KS 785/672-8822    OTTAWA, KS 785/242-4044    THAYER, KS 620/839-5269    GILLETTE, WY 307/686-4914    CUSHING, OK 918/225-2650



