

Douglas County, KS
Well: Johnson A-50
Lease Owner: Altavista

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

Commenced Spudding:
02/14/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-3	lime	3
6	clay	9
8	lime	17
124	shale	151
5	lime	156
3	shale	159
2	lime	161
3	shale	164
13	lime	177
9	shale	186
8	lime	194
5	shale	199
25	lime	224
23	shale	247
18	lime	265
75	shale	340
23	lime	363
17	shale	380
8	lime	388
16	shale	404
10	sand	414
18	lime	432
17	shale	449
23	lime	473
11	shale	484
23	lime	507
4	shale	511
4	lime	515
4	shale	519
7	lime	526
9	shale	535
9	sand	544
152	shale	696
6	lime	702
8	shale	710
3	lime	713
9	shale	722
10	lime	732
12	shale	744
4	lime	748

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. A-50

Farm Johnson

KS Douglas
(State) (County)

1 15 20
(Section) (Township) (Range)

For Altavista Energy inc
(Well Owner)

Town Oilfield Services, Inc.

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

Thickness of Strata	Formation	Total Depth	Remarks
0-3	Lime	3	
6	clay	9	
8	Lime	17	
124	shale	151	
5	Lime	156	
3	Shale	159	
2	Lime	161	
3	Shale	164	
13	Lime	177	
9	Shale	186	
8	Lime	194	
5	Shale	199	
25	Lime	224	
23	Shale	247	
18	Lime	265	
75	Shale	340	
23	Lime	363	
17	Shale	380	
8	Lime	388	
16	Shale	404	
10	sand	414	no oil
18	Lime	432	
17	Shale	449	
23	Lime	473	
11	Shale	484	
23	Lime	507	
4	Shale	511	

511

Thickness of Strata	Formation	Total Depth	Remarks
4	Lime	515	
4	Shale	519	
7	Lime	526	
9	Shale	535	Heithg
9	sand	544	
152	shale	696	no oil
6	Lime	702	
8	shale	710	
3	Lime	713	
9	Shale	722	
10	Lime	732	
12	Shale	744	
4	Lime	748	
7	Shale	755	
1	Lime	756	
11	Shale	767	
3	Lime	770	
21	Shale	791	redbed
1	Lime	792	
10	Shale	802	
1	Lime	803	
4	Shale	807	
5	sand	812	no oil
11	sand	823	broken oil -50%
17	sandy shale	840	
60	Shale	900	TD



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 # 266177

Invoice Date: 02/27/2014 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

JOHNSON A-50
42625
NW 1-15-20
02-24-2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	108.00	11.5000	1242.00
1118B	PREMIUM GEL / BENTONITE	281.00	.2200	61.82
1111	SODIUM CHLORIDE (GRANULA	209.00	.3900	81.51
1110A	KOL SEAL (50# BAG)	540.00	.4600	248.40
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Description	Hours	Unit Price	Total
368 CEMENT PUMP	1.00	1085.00	1085.00
368 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
368 CASING FOOTAGE	878.00	.00	.00
369 80 BBL VACUUM TRUCK (CEMENT)	1.50	90.00	135.00
503 MIN. BULK DELIVERY	1.00	368.00	368.00

Parts: 1663.23 Freight: .00 Tax: 118.92 AR 3454.15
 Labor: .00 Misc: .00 Total: 3454.15
 Sublt: .00 Supplies: .00 Change: .00

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

