

Douglas County, KS
Well: Johnson A-49
Lease Owner: Altavista

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

Commenced Spudding:
02/24/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-20	soil/clay	20
118	shale	138
13	lime	151
3	shale	154
14	lime	168
8	shale	176
7	lime	183
6	shale	189
24	lime	213
24	shale	237
18	lime	255
74	shale	329
23	lime	352
17	shale	369
7	lime	376
20	shale	396
31	lime	427
8	shale	435
21	lime	456
11	shale	467
2	lime	469
2	shale	471
22	lime	493
3	shale	496
3	lime	499
5	shale	504
7	lime	511
171	shale	682
12	lime	694
14	shale	708
7	lime	715
14	shale	729
25	lime	754
33	shale	787
6	lime	793
2	sand	795
3	sand	798
3	sand	801
3	sand	804
2	sand	806

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-49

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
0-20	Soil-clay	20	
118	Shale	138	
13	Lime	151	
3	Shale	154	
14	Lime	168	
6	Shale	174	
7	Lime	183	
6	Shale	189	
24	Lime	213	
24	Shale	237	
18	Lime	255	
74	Shale	329	
23	Lime	352	
17	Shale	369	
7	Lime	376	
20	Shale	396	
31	Lime	427	
8	Shale	435	
21	Lime	456	
11	Shale	467	
2	Lime	469	
2	Shale	471	
22	Lime	493	
3	Shale	496	
3	Lime	499	
5	Shale	504	
7	Lime	511	

Herthys - Greg



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 # 266219

Invoice Date: 02/28/2014 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

D. JOHNSON A-49
42648
NW 1-15-20
02-25-2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	116.00	11.5000	1334.00
1118B	PREMIUM GEL / BENTONITE	295.00	.2200	64.90
1111	SODIUM CHLORIDE (GRANULA	224.00	.3900	87.36
1110A	KOL SEAL (50# BAG)	580.00	.4600	266.80
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	853.00	.00	.00
558 MIN. BULK DELIVERY	1.00	368.00	368.00
675 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00

Parts: 1782.56 Freight: .00 Tax: 127.46 AR 3627.02
 Labor: .00 Misc: .00 Total: 3627.02
 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

