

Commenced Spudding:
1/27/16

[illegible]

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 $\times 34.2$

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. AI-3

Farm John Flake

KS Miami
(State) (County)

8 18 24
(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	
18	Shale	38	
8	Lime	46	
12	Shale	58	
32	Lime	90	
8	Shale	98	
20	Lime	118	
4	Shale	122	
2	Lime	124	
5	Shale	129	
5	Lime	134	Heather
26	Shale	160	
2	limy sand	162	no O.I.
44	Sandy shale	206	
86	Shale	292	
7	sand	299	water
47	Shale	346	
5	Lime	351	
22	Shale	373	
4	Lime	377	
15	Shale	392	
4	Lime	396	
12	Shale	408	
21	Lime	429	
23	Shale	452	
3	Lime	455	
46	Shale	501	

[illegible]



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.Box884
Chanute, KS 66720
620/431-9210, 1-800/467-8676
Fax 620/431-0012

Invoice

Invoice#

806949

Invoice Date: 01/31/16

Terms: Net 30

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ALTAVISTA ENERGY INC

4595 K-33 HWY, PO BOX 128
WELLSVILLE KS 66092
USA
7858834057

john flake #ai-3

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	46.000	810.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	46.000	115.83
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	46.000	356.40
WE0853	80 BBL Vacuum Truck (Cement Services)	1.500	100.0000	46.000	81.00
CC5840	Poz-Blend I A (50:50)	75.000	13.5000	46.000	546.75
CC5965	Bentonite	226.000	0.3000	46.000	36.61
CC5326	Sodium Chloride, Salt	174.000	0.7500	46.000	70.47
CC6077	Kolseal	375.000	0.5000	46.000	101.25
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30
CC6128	Mud Flush - C	0.500	50.0000	46.000	13.50

Subtotal 3,992.80

Discounted Amount 1,836.69

SubTotal After Discount 2,156.11

Amount Due 4,110.26 If paid after 03/01/16

Tax: 63.43

Total: 2,219.54

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7554

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



CONSOLIDATED
Oil Well Services, LLC

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

Invoice # **806949**

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER **49978**
LOCATION **Ottawa KS**
FOREMAN **Fred Maden**

5252
5101

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-28-16	3244	John Flake # A F 3	SE 8	18	24	MI
CUSTOMER Altavista Energy Inc.						
MAILING ADDRESS P.O. Box 128						
CITY Wellsville	STATE KS	ZIP CODE 66092				
			TRUCK #	DRIVER	TRUCK #	DRIVER
			712	Fred Maden		
			495	Harold		
			675	Kaidan		
			510	Mikhael		

JOB TYPE Long string, HOLE SIZE 5 7/8 HOLE DEPTH 600 CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 573 DRILL PIPE Bafflein TUBING @ 548 OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
DISPLACEMENT 3.18 BB DISPLACEMENT PSI _____ MIX PSI _____ RATE 48 bpm

REMARKS: Hold safety mixing. Establish pump rate. Pump 1/2 Gal Mud Flush C. Circulate well to condition hole. Mix + Pump 100# Gal Flush. Mix + Pump 75 sk Por Blend I A Cement. 270 Gal 5% Salt 5# Kol Seal/sk. Cement to surface. Flush pump + lines clean. Displace 2 1/2" Rubber plug to Bafflein casing. pressure to 800 PSI. Release pressure to set float valve. Shut in Casing.

Tos Drilling - Wesley Dollard

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	150000
CE0002	30 mi	MILEAGE	495	21450
CE0711	Minimum	Ten Miles Delivery	510	66000
WE0853	1 1/2 hr	50 BBL Vac Truck	675	15000
		Sub Total		252450
		Less 46%		- 116127
				136323
CC5840	75 sks	Por Blend I A Cement	101250	
CC5965	226#	Benouite Gel	6750	
CC5326	174#	Salt	13050	
CC6077	375#	Kol Seal	18750	
CP8176	1	2 1/2" Rubber Plug	4500	
CC6125	1/2 Gal	Mud Flush C	2500	
		Sub Total		146830
		Less 46%		- 67542
				79288
			6%	SALES TAX
				ESTIMATED TOTAL
				6343
				221954
				(4110.26)

Ravin 3737

AUTHORIZATION

Bryan Mills

TITLE

DATE

4110.26

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.