

Douglas County, KS
 Well: Jim Bell A-19
 Lease Owner: Altavista

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

Commenced Spudding:
 01/29/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-40	soil/clay	40
2	lime	42
7	shale	49
5	lime	54
134	shale	188
8	lime	196
7	shale	203
15	lime	218
7	shale	225
8	lime	233
7	shale	240
58	lime	298
20	sandy shale	318
582	shale	370
23	lime	393
18	shale	411
7	lime	418
16	shale	434
7	sand	441
19	lime	460
16	shale	476
25	lime	501
6	shale	507
24	lime	531
4	shale	535
4	lime	539
3	shale	542
6	lime	548
174	shale	722
5	lime	727
6	shale	433
3	lime	736
9	shale	745
5	lime	750
17	shale	767
3	lime	770
4	shale	774
4	lime	778
3	shale	781
4	lime	785

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-19

Farm Jim Bell

KS

(State)

Douglas

(County)

36

(Section)

14

(Township)

20

(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
0-40	Soil-clay	40	
2	Lime	42	
7	Shale	49	
5	Lime	54	
134	Shale	188	
8	Lime	196	
7	Shale	203	
15	Lime	218	
7	Shale	225	
8	Lime	233	
7	Shale	240	
58	Lime	298	shells
20	Sandy Shale	318	
52	Shale	370	
23	Lime	393	
18	Shale	411	
7	Lime	418	
16	Shale	434	
7	Sand	441	no oil
19	Lime	460	
16	Shale	476	
25	Lime	501	
6	Shale	507	
24	Lime	531	
4	Shale	535	
4	Lime	539	
3	Shale	542	

542

Thickness of Strata	Formation	Total Depth	Remarks
6	Lime	548	Heithg
174	Shale	722	
5	Lime	727	
6	Shale	733	
3	Lime	736	
9	Shale	745	
5	Lime	750	
17	Shale	767	
3	Lime	770	
4	Shale	774	
4	Lime	778	
3	Shale	781	
4	Lime	785	
4	Shale	789	
1	Lime	790	redbed
20	Shale	810	
5	Lime	815	broken brown - no oil
5	Shale	820	
2	sand	822	brown - no oil
11	gas sand	833	
17	sandy shale	850	some sand - no oil
30	Shale	880	
15	sandy shale	895	heavy oil - slight show
20	shale	915	
3	Lime	918	
2	Shale	920	
6	sand & Lime	926	



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 # 265799

Invoice Date: 01/31/2014 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

J. BELL A-19
42540
SW 36-14-20
01-31-2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	96.00	11.5000	1104.00
1118B	PREMIUM GEL / BENTONITE	484.00	.2200	106.48
Description		Hours	Unit Price	Total
369	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
510	MIN. BULK DELIVERY	1.00	368.00	368.00
666	P & A NEW WELL	1.00	1085.00	1085.00
666	EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00

Parts:	1210.48	Freight:	.00	Tax:	86.55	AR	3014.03
Labor:	.00	Misc:	.00	Total:	3014.03		
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
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