

Douglas County, KS
Well: Baldwin Unit AI-25
Lease Owner: Altavista

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

Commenced Spudding:
11/12/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-41	soil/clay	41
9	lime	50
138	shale	188
4	lime	192
8	shale	200
14	lime	214
7	shale	221
8	lime	229
5	shale	234
23	lime	257
27	shale	254
18	lime	302
17	shale	319
57	shale	376
19	lime	395
1	shale	396
2	lime	398
18	shale	416
7	lime	423
15	shale	438
8	sand	446
18	lime	464
18	shale	482
23	lime	505
8	shale	513
23	lime	536
4	shale	540
4	lime	544
4	shale	548
7	lime	555
165	shale	720
5	lime	725
7	shale	732
1	lime	733
11	shale	744
3	lime	747
21	shale	768
2	lime	770
38	shale	808
1	lime	809

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times 14xh$

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. AI-25

Farm Baldwin Unit

KS Douglas
(State) (County)

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

For Altavista Energy
(Well Owner)

Town Oilfield Services, Inc.

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

Thickness of Strata	Formation	Total Depth	Remarks
0-41	soil - clay	41	
9	Lime	50	
138	Shale	188	
4	Lime	192	
8	Shale	200	
14	Lime	214	
7	Shale	221	
8	Lime	229	
5	Shale	234	
23	Lime	257	shells
27	Shale	284	some sand - no oil
18	Lime	302	
17	Shale	319	sandy
57	Shale	376	
19	Lime	395	
1	Shale	396	
2	Lime	398	
18	Shale	416	
7	Lime	423	
15	Shale	438	
8	Sand	446	no oil
18	Lime	464	
18	Shale	482	
23	Lime	505	
8	Shale	513	
23	Lime	536	
4	Shale	540	

540

Thickness of Strata	Formation	Total Depth	Remarks
4	Lime	544	
4	Shale	548	
7	Lime	555	
165	Shale	720	Heath
5	Lime	725	
7	Shale	732	
1	Lime	733	
11	Shale	744	
3	Lime	747	
21	Shale	768	
2	Lime	770	
38	Shale	808	
1	Lime	809	
3	Shale	812	
1	Lime	813	
1	Shale	814	
1	Lime	815	
3	Shale	818	
4	sandy shale	822	
4	sand	826	grey - no oil
20	sand	846	broken - brown odor - no show
28	sand	874	mostly solid - good show
2	black sand	876	dead oil
2	sandy lime	878	no oil
82	Shale	960	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 # 263987

Invoice Date: 11/18/2013 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

BALDWIN UNIT AI-25
44831
SW 1-15-20
11-13-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	135.00	11.5000	1552.50
1118B	PREMIUM GEL / BENTONITE	327.00	.2200	71.94
1111	SODIUM CHLORIDE (GRANULA	261.00	.3900	101.79
1110A	KOL SEAL (50# BAG)	675.00	.4600	310.50
1401	HE 100 POLYMER	.50	47.2500	23.63
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Description	Hours	Unit Price	Total
370 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
548 MIN. BULK DELIVERY	1.00	368.00	368.00
666 CEMENT PUMP	1.00	1085.00	1085.00
666 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
666 CASING FOOTAGE	946.00	.00	.00

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 Parts: 2089.86 Freight: .00 Tax: 149.42 AR 3956.28
 Labor: .00 Misc: .00 Total: 3956.28
 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



CONSOLIDATED
Oil Well Services, LLC

263987

TICKET NUMBER 44831

LOCATION Ottawa

FOREMAN Alan Mader

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-13-13	3244	Baldwin Unit A1-25	SW 1	15	20	D6
CUSTOMER <u>Altavista Energy</u>			TRUCK #			
MAILING ADDRESS <u>P.O. Box 128</u>			DRIVER			
CITY <u>Wellsville</u>			TRUCK #			
STATE <u>KS</u>			DRIVER			
ZIP CODE <u>66092</u>			TRUCK #			
			DRIVER			

JOB TYPE <u>long string</u>	HOLE SIZE <u>5 7/8</u>	HOLE DEPTH <u>960</u>	CASING SIZE & WEIGHT <u>2 7/8</u>
CASING DEPTH <u>946</u>	DRILL PIPE	TUBING	OTHER <u>9 1/5</u>
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT IN CASING <u>yes</u>
DISPLACEMENT <u>5.3</u>	DISPLACEMENT PSI <u>800</u>	MIX PSI <u>200</u>	RATE <u>4 bpm</u>

REMARKS: Held meeting. Established rate down casing. Mixed and pumped 1/2 gal polymer. Circulated into new pit to condition well. Mixed & pumped 100# gel followed by 135 sk 50/50 cement plus 2% gel, 3% salt, 5# Kolseal per sack. Circulated cement. Flushed pump pumped plug to baffle. Well held 800 PSI. Set float closed valve.

JOS, Wco

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	666	1085.00
5406	20	MILEAGE	666	84.00
5402	946'	casing footage	666	
5407	min	tax miles	548	368.00
5302C	2	80 vac	370	180.00
1127	135	50/50 cement		1552.50
1118B	327 #	gel		71.94
1111	261 #	salt		101.79
1110A	675 #	Kolseal		310.50
1401	1/2 gal	polymer		23.65
4402	1	2 1/2 plug		29.00
SALES TAX ESTIMATED TOTAL				149.42
				3956.28

Ravin 3737

no company rep

AUTHORIZATION

Jim Okid

TITLE

DATE

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