

Douglas County, KS
Well: Neumer A-4
Lease Owner: Altavista

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

Commenced Spudding:
7-19-2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-10	soil-clay	10
63	sand stone	73
81	shale	154
4	lime	158
6	shale	164
16	lime	180
8	shale	188
7	lime	195
4	shale	199
18	lime	217
4	shale & lime	221
31	sand stone	252
17	lime	269
20	sandy shale	289
55	shale	344
23	lime	367
13	shale	380
5	shale & lime	385
6	lime	391
17	shale	408
8	sand	416
16	lime	432
4	shale	436
1	lime	437
13	shale	450
23	kune	473
9	shale	482
23	lime	505
4	shale	509
4	lime	513
5	shale	518
5	lime	523
9	shale	532
10	sand	542
26	shale	568
62	sand	630
37	shale	667
11	sand	678
8	sandy shale	686
66	shale	752

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 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. A-4

Farm Newmer

KS

(State)

Douglas

(County)

14

(Section)

15

(Township)

20

(Range)

For Allavista 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
0-10	Soil-clay	10	
63	sandstone	73	
81	shale	154	24' - water
4	Lime	158	
6	shale	164	
16	Lime	180	
8	shale	188	
7	Lime	195	
4	shale	199	
18	Lime	217	
4	shale & lime	221	
31	sand	252	grey - no Oil
17	Lime	269	
20	sandy shale	289	some sand - no Oil
55	shale	344	
23	Lime	367	
13	shale	380	
5	shale & lime	385	
6	Lime	391	
17	shale	408	
8	sand	416	413-416 slight show
16	Lime	432	
4	shale	436	
1	Lime	437	
13	shale	450	
23	Lime	473	
9	shale	482	

482

Thickness of Strata	Formation	Total Depth	Remarks
23	Lime	505	
4	Shale	509	
4	Lime	513	
5	Shale	518	
5	Lime	523	Hertha
9	Shale	532	
10	sand	542	no Oil
26	shale	568	
62	sand	630	some sandy shale - no Oil
37	Shale	667	
11	sand	678	no Oil
8	sandy shale	686	
66	Shale	752	
5	sandy Lime	757	
5	Shale	762	
3	Lime	765	
16	Shale	781	
2	Lime	783	
4	Shale	787	
1.	sand	788	broken 5% oil
13	sand	801	broken - good show
5	sandy shale	806	per f
46	Shale	852	
1	sand & shale	853	odor - no show
47	sandy 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 # 260752

Invoice Date: 07/23/2013 Terms: 0/0/30,n/30

Page 1

ALTAVISTA ENERGY INC
4595 K-33 HIGHWAY
P.O. BOX 128
WELLSVILLE KS 66092
(785) 883-4057

NEVMER A-4
42209
14-15-20
07-19-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	30.00	11.5000	345.00
1118B	PREMIUM GEL / BENTONITE	50.00	.2200	11.00
1111	SODIUM CHLORIDE (GRANULA	58.00	.3900	22.62
1110A	KOL SEAL (50# BAG)	150.00	.4600	69.00

Description	Hours	Unit Price	Total
368 CEMENT PUMP (SURFACE)	1.00	870.00	870.00
368 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
368 CASING FOOTAGE	91.00	.00	.00
370 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
503 MIN. BULK DELIVERY	1.00	368.00	368.00

Parts: 447.62 Freight: .00 Tax: 32.01 AR 1981.63
 Labor: .00 Misc: .00 Total: 1981.63
 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

260752

TICKET NUMBER 42209
LOCATION OTJ 909
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
7-19-13	3244	Newamer # A4	NW 14	15	2D	DG
CUSTOMER Altawista Energy			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 128			516	Al Mader		
CITY Wellsville			368	Al Mader		
STATE KS			370	Gas Ric		
ZIP CODE 66092			503	Mik Has		

JOB TYPE Surface HOLE SIZE 9 7/8 HOLE DEPTH 93 CASING SIZE & WEIGHT 7"
CASING DEPTH 91 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
DISPLACEMENT 334 DISPLACEMENT PSI 100 MIX PSI _____ RATE 4 bpm

REMARKS: Hooked to casing. Established rate. Mixed & pumped 30 sk 50/50 cement plus 2 bags 57 salt 5# Kolseal per sack. Circulated cement. Flushed casing with water. Closed valve.

705, Wes

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	368	870.00
5406	20	MILEAGE	368	84.00
5402	91	Casing footage	368	33488.00
5407	min	709 miles	503	368.00
5502	2	80 gal	370	180.00
1124	30	50/50		345.00
1183	50 #	gel		11.00
1111	58 #	salt		22.62
1110A	150 #	Kolseal		69.00
<input checked="" type="checkbox"/> Completed				
SALES TAX				32.00
ESTIMATED TOTAL				15240.00

Flavin 3737

NO COMPANY REP
Jim O'Neil

AUTHORIZATION _____ TITLE _____ DATE 1981.63

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.



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 # 260813

Invoice Date: 07/23/2013 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

NEVMER A-4
42193
14-15-20
07-22-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	112.00	11.5000	1288.00
1118B	PREMIUM GEL / BENTONITE	288.00	.2200	63.36
1111	SODIUM CHLORIDE (GRANULA	235.00	.3900	91.65
1110A	KOL SEAL (50# BAG)	560.00	.4600	257.60
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
548 MIN. BULK DELIVERY	.50	368.00	184.00
666 CEMENT PUMP	1.00	1085.00	1085.00
666 EQUIPMENT MILEAGE (ONE WAY)	.00	4.20	.00
666 CASING FOOTAGE	878.00	.00	.00
675 80 BBL VACUUM TRUCK (CEMENT)	1.50	90.00	135.00

Parts:	1753.74	Freight:	.00	Tax:	125.39	AR	3283.13
Labor:	.00	Misc:	.00	Total:	3283.13		
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

260813

TICKET NUMBER 42193

LOCATION Atawa, KS

FOREMAN Casey Kennedy

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
7/22/13	3244	Newmar # A-4	NW 14	15	20	DG
CUSTOMER <u>Altavista Energy</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>PO Box 128</u>			481	<u>Casken</u>		
CITY <u>Wellsville</u>			4646	<u>Gar Moo</u>		
STATE <u>KS</u>		ZIP CODE <u>66092</u>	548	<u>Dan Det</u>		
			675	<u>Kei Det</u>		

JOB TYPE longstring HOLE SIZE 5 5/8" HOLE DEPTH 900' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 878' DRILL PIPE _____ TUBING baffle - 248' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 30'
 DISPLACEMENT 4.91 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 1/2 gal polymer and 100 # Premium Gel followed by 10 bbls fresh water, mixed & pumped 112 sks 50/50 Pozmix cement w/ 20% gel, 5% salt, + 5# Kalseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 4.91 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

(Handwritten signature/initials)

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	on lease	MILEAGE		—
5402	878'	casing footage		184.00
5407	1/2 minimum	van mileage		135.00
5502C	1.5 hrs	80 Vac		
1124	112 sks	50/50 Pozmix cement		1288.00
1118B	288 #	Premium Gel		63.36
1111	235 #	Salt		91.65
1110A	560 #	Kalseal		257.60
1401	1/2 gal	Polymer		23.63
4102	1 rubber	2 1/2" rubber plug		29.50
			7.15%	SALES TAX ESTIMATED TOTAL
				125.39
				3283.13

completed

AUTHORIZATION Bryan Miller 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