

Douglas County, KS
 Well: Neumer A-1
 Lease Owner: Altavista

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

Commenced Spudding:
 7-31-2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-5	soil-clay	5
75	sandstone	80
97	shale	177
5	lime	182
6	shale	188
15	lime	203
9	shale	212
7	lime	219
5	shale	224
17	lime	241
4	shale	245
31	sandstone	276
17	lime	293
22	sandy shale	315
54	shale	369
22	lime	391
17	shale	408
8	lime	416
, 16	shale	432
7	sand	439
17	lime	456
6	shale	462
1	lime	463
13	shale	476
23	lime	499
9	shale	508
23	lime	531
4	shale	535
4	lime	539
4	shale	54
5	lime	548
12	shale	560
7	sand	567
26	shale	593
57	sand	650
32	shale	682
25	sand	707
61	shale	768
5	lime	773
9	shale	782

Short Cuts

TANK CAPACITY

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

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-1

Farm Neumer

KS Douglas
(State) (County)

14 15 20
(Section) (Township) (Range)

For Alta Vista 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
0-5	soil-clay	5	
75	sandstone	80	
97	shale	177	40' - water
5	Lime	182	
6	shale	188	
15	Lime	203	
9	shale	212	
7	Lime	219	
5	shale	224	
17	Lime	241	
4	shale	245	
31	sand	276	no oil
17	Lime	293	
22	sandy shale	315	
54	shale	369	
22	Lime	391	
17	shale	408	
8	Lime	416	
16	shale	432	
7	sand	439	odor
17	Lime	456	
6	shale	462	
1	Lime	463	
13	shale	476	
23	Lime	499	
9	shale	508	
23	Lime	531	



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 # 261119

Invoice Date: 07/31/2013 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-1
42294
14-15-20
07-31-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	40.00	11.5000	460.00
1118B	PREMIUM GEL / BENTONITE	68.00	.2200	14.96
1111	SODIUM CHLORIDE (GRANULA	87.00	.3900	33.93
1110A	KOL SEAL (50# BAG)	200.00	.4600	92.00
	Description	Hours	Unit Price	Total
369	80 BBL VACUUM TRUCK (CEMENT)	1.50	90.00	135.00
495	CEMENT PUMP (SURFACE)	1.00	870.00	870.00
495	EQUIPMENT MILEAGE (ONE WAY)	.00	4.20	.00
495	CASING FOOTAGE	92.00	.00	.00
548	MIN. BULK DELIVERY	.50	368.00	184.00

Parts: 600.89 Freight: .00 Tax: 42.97 AR 1832.86
Labor: .00 Misc: .00 Total: 1832.86
Sublt: .00 Supplies: .00 Change: .00

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

261119

TICKET NUMBER 42294

LOCATION Ottawa KS

FOREMAN Fred Maden

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
7.31.13	3244	Newmer # A-1	NW 14	15	20	PG
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Mailing Address			712	Fred Mad		
City			495	Rei Car		
State			369	Der Mas		
Zip Code			548	Mik Haa		

JOB TYPE <u>Surface</u>	HOLE SIZE <u>9 7/8</u>	HOLE DEPTH <u>92'</u>	CASING SIZE & WEIGHT <u>7"</u>
CASING DEPTH <u>92'</u>	DRILL PIPE	TUBING	OTHER
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING
DISPLACEMENT <u>3 BBL</u>	DISPLACEMENT PSI	MIX PSI	RATE

REMARKS: Hold crew meeting. Establish circulation thru 7" casing.
Mix + Pump 40 SKS 50/50 Per Mix Cement 2% Cel 5% Salt 5# Kol Seal/sk. Cement to surface. Displace casing clean w/ 3 BBL water - Shut in casing

TOS Drilling - was

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE Surface Pump	495	\$ 70 ⁰⁰
5406	-	MILEAGE		N/C
5402	92	Casing footage		N/C
5407	1/2 minimum	Ten Miles	548	184 ⁰⁰
55020	1 1/2 hr	60' BBL Vac Truck	769	135 ⁰⁰
1104	40 SKS	50/50 Per Mix Cement		460 ⁰⁰
118B	68#	Premium Cel		14 ⁷⁵
1111	87#	Granulated Salt		33 ⁷³
1110A	200#	Kol Seal		92 ⁰⁰
			7.15%	SALES TAX
				ESTIMATED TOTAL
				42 ⁹⁷
				1832 ⁸⁶

Completed

AUTHORIZATION No Co Rep on Site 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.



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 # 261203
=====

Invoice Date: 08/15/2013 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-1
42321
NW14-15-20
08-01-2013
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	217.00	.3900	84.63
1110A	KOL SEAL (50# BAG)	560.00	.4600	257.60
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50
1401	HE 100 POLYMER	.50	47.2500	23.63

Description	Hours	Unit Price	Total
370 80 BBL VACUUM TRUCK (CEMENT)	1.50	90.00	135.00
495 CEMENT PUMP	1.00	1085.00	1085.00
495 EQUIPMENT MILEAGE (ONE WAY)	25.00	4.20	105.00
495 CASING FOOTAGE	910.00	.00	.00
548 MIN. BULK DELIVERY	.50	368.00	184.00

=====
Parts: 1746.72 Freight: .00 Tax: 124.89 AR 3380.61
Labor: .00 Misc: .00 Total: 3380.61
Sublt: .00 Supplies: .00 Change: .00
=====

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

261203

TICKET NUMBER 42321

LOCATION Ottawa KS

FOREMAN Fred Maden

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
8-1-13	3244	Newmer # A-1	NW 14	15	20	DC

CUSTOMER <u>Altavista Energy</u>		
MAILING ADDRESS <u>P.O. Box 128</u>		
CITY <u>Wellsville</u>	STATE <u>KS</u>	ZIP CODE <u>66082</u>

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fred Mad		
495	Har Bec		
370	Kei Car		
548	Milk Hec		

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 920 CASING SIZE & WEIGHT 2 3/8 EUE
 CASING DEPTH 910 DRILL PIPE Baffle in TUBING @ 878 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 1/2 Plug +
 DISPLACEMENT 5.1 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Hold crew meeting. Establish pump rate. Mix + Pump 1/2 Gal HE-100
Polymer. Circulate to condition hole. Mix + Pump 100# Gal
Flush. Mix + Pump 112 SKs 50/50 Poz Mix Cement 2% Gal 5% Salt
5# Kal Seal/sk. Cement to surface. Flush pump + lines clean.
Displace 2 1/2" Rubber plug to Baffle. Pressure to 800# PSI
Release pressure to set Float Valve. Shut in casing

T.O.S Drilling.

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 ⁰⁰ ✓
5406	25 mi	MILEAGE	495	105 ⁰⁰ ✓
5402	910'	Casing Footage		N/C ✓
5407	1/2 Minimum	Ten Miles	548	184 ⁰⁰ ✓
5502C	1 1/2 hr	80 BBL Vac Truck	370	135 ⁰⁰ ✓
1124	112 SKs	50/50 Poz Mix Cement		1288 ⁰⁰ ✓
1118B	258#	Premium Gel		63 ⁶⁰ ✓
1111	217#	Granulated Salt		84 ⁶⁰ ✓
1110A	560#	Kal Seal		257 ⁶⁰ ✓
4402	1	2 1/2" Rubber Plug		29 ⁵⁰ ✓
1401	1/2 Gal	HE-100 Polymer		23 ⁶⁰ ✓
			7.15%	SALES TAX
				ESTIMATED
				TOTAL
				124 ⁸⁰ ✓
				3380 ⁶¹ ✓

Completed

Revin 3737

AUTHORIZATION No Co Rep on Site 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.