

Douglas County, KS
Well: Neumer A-3
Lease Owner: Altavista

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

Commenced Spudding:
7-29-2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-4	soil-clay	4
74	sandstone	78
87	shale	165
4	lime	169
7	shale	176
15	lime	191
8	shale	199
7	lime	206
4	shale	210
19	lime	229
5	shale	234
30	sandstone	264
17	lime	281
20	sandy shale	301
55	shale	3569
22	lime	378
13	shale	391
5	shale & lime	396
6	lime	402
15	shale	417
10	sand	427
17	lime	444
5	shale	449
1	lime	450
13	shale	463
25	lime	488
6	shale	494
23	lime	517
5	shale	522
4	lime	526
4	shale	530
6	lime	536
7	shale	543
9	sand	552
28	shale	580
62	sand	642
33	shale	675
9	sand	684
73	shale	757
2	lime	759

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-3

Farm Neumer

KS Douglas
(State) (County)

14 15 20
(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
0-4	soil-clay	4	
74	sandstone	78	
87	shale	165	34' - water
4	Lime	169	
7	Shale	176	
15	Lime	191	
8	Shale	199	
7	Lime	206	
4	shale	210	
19	Lime	229	
5	shale	234	
30	sand	264	no oil
17	Lime	281	
20	sandy shale	301	
55	shale	356	
22	Lime	378	
13	shale	391	
5	shale & Lime	396	
6	Lime	402	
15	Shale	417	
10	Sand	427	423 - 427 - slight show
17	Lime	444	
5	shale	449	
1	Lime	450	
13	Shale	463	
25	Lime	488	
6	Shale	494	469 - oil

444

Thickness of Strata	Formation	Total Depth	Remarks
23	Lime	517	
5	Shale	522	
4	Lime	526	
4	Shale	530	
6	Lime	536	
7	Shale	543	Hertha
9	sand	552	
28	Shale	580	no Oil
62	sand	642	
33	Shale	675	some sandy shale - no Oil
9	sand	684	
73	Shale	757	no Oil
2	Lime	759	
14	Shale	773	
4	Lime	777	
17	Shale	794	
2	Lime	796	
3	Shale	799	
2	sandy shale	800	
2	sand	802	no Oil
2	sandy lime	804	no Oil
1	sand	805	broken - 50% Oil
4	sand	809	mostly solid
2	sand	811	broken - 75% Oil
4	sand	815	no Oil
2	sand	817	Solid - good show
2	sand	819	no Oil

Perf



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 # 261061

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Invoice Date: 07/30/2013 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-3
42258
14-15-20
07-29-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	45.00	11.5000	517.50
1118B	PREMIUM GEL / BENTONITE	76.00	.2200	16.72
1111	SODIUM CHLORIDE (GRANULA	91.00	.3900	35.49
1110A	KOL SEAL (50# BAG)	225.00	.4600	103.50

Description	Hours	Unit Price	Total
368 CEMENT PUMP (SURFACE)	1.00	870.00	870.00
368 EQUIPMENT MILEAGE (ONE WAY)	.00	4.20	.00
368 CASING FOOTAGE	89.00	.00	.00
548 MIN. BULK DELIVERY	.50	368.00	184.00
675 80 BBL VACUUM TRUCK (CEMENT)	1.00	90.00	90.00

=====
Parts: 673.21 Freight: .00 Tax: 48.14 AR 1865.35
Labor: .00 Misc: .00 Total: 1865.35
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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INVOICE

Invoice # 261118

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-3
42293
14-15-20
07-31-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	108.00	11.5000	1242.00
1118B	PREMIUM GEL / BENTONITE	282.00	.2200	62.04
1111	SODIUM CHLORIDE (GRANULA	209.00	.3900	81.51
1110A	KOL SEAL (50# BAG)	540.00	.4600	248.40
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
369 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	894.00	.00	.00
548 MIN. BULK DELIVERY	.50	368.00	184.00

Parts: 1687.08 Freight: .00 Tax: 120.63 AR 3316.71
 Labor: .00 Misc: .00 Total: 3316.71
 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

261118

TICKET NUMBER 42293

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-3	NW 14	15	20	DG

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Havista Energy P.O. Box 128 Wellsville KS 66092	712	Fred Mad		
	495	Ken Car		
	369	Der Mas		
	548	Mik Has		

JOB TYPE long string HOLE SIZE _____ HOLE DEPTH 920' CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 894' DRILL PIPE Baffle in TUBING @ 8.63 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 21' + Plug
 DISPLACEMENT 5.02 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Hold crew meeting. Establish pump rate. Pump 1/2 Gal HE-100
Polymer - Circulate to condition hole. Mix + Pump 100# Gel Flush.
Mix + Pump 100 SKS 50/50 Por Mix Cement 20 Gal 5% Salt 5 #
Kol 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

TOS Drilling - Wes Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 ⁰⁰
5406	25mi	MILEAGE	495	105 ⁰⁰
5402	894	Casing footage		N/C
5407	1/2 Minimum	Ten Miles	548	184 ⁰⁰
5502C	1 1/2 hr	80 BBL Vac Truck	369	135 ⁰⁰
1124	108 SKS	50/50 Por Mix Cement		1242 ⁰⁰
1115B	282 #	Premium Gel		62 ⁰⁴
1111	209 #	Granulated Salt		81 ⁵¹
1110A	540 #	Kol Seal		248 ⁷⁰
4402	1	2 1/2" Rubber Plug		29 ⁰⁰
1401	1/2 Gal	1 HE-100 Polymer		23 ⁶³
			7.152	SALES TAX
				ESTIMATED TOTAL
				120 ⁶³
				3316 ⁷¹

Completed

Ravin 3737 AUTHORIZATION No Co Prop work sign 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