

Douglas County, KS
Well: Neumer A-10
Lease Owner: Altavista

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

Commenced Spudding:
8-13-2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-13	soil-clay	13
70	sand stone	83
73	shale	156
4	lime	160
6	shale	166
16	lime	182
7	shale	189
8	lime	197
5	shale	202
17	lime	219
5	shale	224
33	sand	257
15	lime	272
21	sandy shale	293
54	shale	347
22	lime	369
18	shale	387
7	lime	394
16	shale	410
8	sand	418
17	lime	435
4	shale	439
1	lime	440
14	shale	454
23	lime	477
9	shale	486
23	lime	509
4	shale	513
4	lime	517
4	shale	521
6	lime	527
11	shale	538
7	sand	545
26	shale	571
59	sand	630
32	shale	662
16	sand	678
49	shale	727
6	lime	733
12	shale	745

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-10

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

Brooke 4,000 surface
 Brooke 4,000 Longstring

Nesmer Farm: Douglas County
 KS State; Well No. A-10
 Elevation 1068
 Commenced Spuding Aug 13 20 13
 Finished Drilling Aug 14 20 13
 Driller's Name Wesley Dillard
 Driller's Name _____
 Driller's Name _____
 Tool Dresser's Name Ryan Ward
 Tool Dresser's Name Greg Perry
 Tool Dresser's Name _____
 Contractor's Name TOS
 14 15 20

(Section) (Township) (Range)
 Distance from S line, 3135 ft.
 Distance from E line, 2475 ft.
 8 hrs

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
802.	30	Seat			
865.55		Baffle			
895.75		float			
				2 7/8	

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
 8" Set _____ 8" Pulled _____
 7 7/8" Set 91 6 1/4" Pulled _____
 4" Set _____ 4" Pulled _____
 2" Set _____ 2" Pulled _____

Thickness of Strata	Formation	Total Depth	Remarks
0-13	Soil - clay	13	
70	sandstone	83	water 20'
73	Shale	156	
4	Lime	160	
6	Shale	166	
16	Lime	182	
7	Shale	189	
8	Lime	197	
5	Shale	202	
17	Lime	219	
5	Shale	224	
33	sand	257	no oil
15	Lime	272	
21	sandy shale	293	
54	Shale	347	
22	Lime	369	
18	Shale	387	
7	Lime	394	
16	Shale	410	
8	sand	418	416-418 - slight show
17	Lime	435	422-426 - slight show
4	Shale	439	
1	Lime	440	
14	Shale	454	
23	Lime	477	
9	Shale	486	
23	Lime	509	

509

Thickness of Strata	Formation	Total Depth	Remarks
4	Shale	513	
4	Lime	517	
4	Shale	521	
6	Lime	527	Heating
11	Shale	538	
7	Sand	545	no Oil
26	Shale	571	
59	Sand	630	no Oil
32	Shale	662	
16	Sand	678	no Oil
49	Shale	727	
6	Lime	733	
12	Shale	745	
4	Lime	749	
3	Shale	752	
5	sandy Lime	757	
1	Shale	758	
3	Lime	761	
4	Shale	765	
4	Lime	769	
13	Shale	782	
1	Lime	783	
4	Shale	787	
2	Lime	789	
3	Shale	792	
5	sand	797	no Oil
1	Sand & Lime	798	no Oil

798

Thickness of Strata	Formation	Total Depth	Remarks
6	sand	884	mostly solid - good show
1	sand	885	broken - Oil
7	sandy shale	892	no oil
39	shale	931	
5	sand	936	odor - no show
64	shale	920	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 # 261371

Invoice Date: 08/23/2013 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-10
42305
14-15-20
08-13-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	40.00	11.5000	460.00
1118B	PREMIUM GEL / BENTONITE	67.00	.2200	14.74
1111	SODIUM CHLORIDE (GRANULA	81.00	.3900	31.59
1110A	KOL SEAL (50# BAG)	200.00	.4600	92.00

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

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Parts: 598.33 Freight: .00 Tax: 42.78 AR 1785.11
Labor: .00 Misc: .00 Total: 1785.11
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

261371

TICKET NUMBER 42305

LOCATION Ottawa, 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
8/13/13	3244	Newmer # A-10	NW 14	15	20	DG

CUSTOMER
Altavista Energy

MAILING ADDRESS
PO Box 128

CITY
Wellsville

STATE
KS

ZIP CODE
66092

TRUCK #	DRIVER	TRUCK #	DRIVER
481	Caskan	✓ Safety Meeting	
6666	Gar Moo	✓	
510	Set Tue	✓	
675	Kei Det	✓	

JOB TYPE surface HOLE SIZE 9 1/2" HOLE DEPTH 91' CASING SIZE & WEIGHT 7"

CASING DEPTH 90' DRILL PIPE _____ TUBING _____ OTHER _____

SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 10'

DISPLACEMENT 3.3 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 40 sks 54/50 Pozmix cement w/ 27% gel, 5% salt, + 5# Kalseal per sk, cement to surface, ~~displaced cement~~ displaced cement w/ 3.3 bbls fresh water, shut in casing.

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE		870.00
5406	on lease	MILEAGE		---
5402	90'	casing footage		---
5407	1/2 minimum	ten mileage		184.00
5502C	1 hrs	so Vac		90.00
1124	40 sks	54/50 Pozmix cement		460.00
11182	67 #	Premium Gel		14.74
1111	81 #	Salt		31.59
1110A	200 #	Kalseal		92.00

Completed

7.15%	SALES TAX	42.78
	ESTIMATED TOTAL	1785.11

Flavin 3737

AUTHORIZATION Bryan Willy 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 # 261391
=====

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

NEVMER A-10
42306
NW14-15-20
08-14-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	117.00	11.5000	1345.50
1118B	PREMIUM GEL / BENTONITE	297.00	.2200	65.34
1111	SODIUM CHLORIDE (GRANULA	236.00	.3900	92.04
1110A	KOL SEAL (50# BAG)	585.00	.4600	269.10
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
369 80 BBL VACUUM TRUCK (CEMENT)	1.50	90.00	135.00
503 MIN. BULK DELIVERY	.50	368.00	184.00
666 CEMENT PUMP	1.00	1085.00	1085.00
666 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
666 CASING FOOTAGE	895.00	.00	.00

=====

Parts:	1825.11	Freight:	.00	Tax:	130.49	AR	3443.60
Labor:	.00	Misc:	.00	Total:	3443.60		
Sublt:	.00	Supplies:	.00	Change:	.00		

=====

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

261391

TICKET NUMBER 42306

LOCATION Ottawa, 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
8/14/13	3244	Newmer # A-10	NW 14	15	20	DG
CUSTOMER <u>Altavista Energy</u>			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS <u>PO Box 128</u>			481	Carson	✓	Safety Meeting
CITY <u>Wellsville</u>			666	Garmon	✓	
STATE <u>KS</u>	ZIP CODE <u>66092</u>	503		Dan Det	✓	
		369		Der Mas	✓	

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 920' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 895' DRILL PIPE _____ TUBING baffle - 865' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 30'
 DISPLACEMENT 5.01 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 1/2 gal Polymer + 100 # Premium Gel followed by 10 bbls fresh water mixed & pumped 50/50 Pozmix cement w/ 27% gel, 5% salt, & 5# Kalseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 5.01 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00 ✓
5406	20 mi	MILEAGE		84.00 ✓
5402	895'	casing footage		184.00 ✓
5407	1/2 minimum	ten mileage		135.00 ✓
5502C	1.5 hrs	80 Vac		
1124	117 sks	50/50 Pozmix cement		1345.50 ✓
1118B	297 #	Premium Gel		65.34 ✓
1111	236 #	Salt		92.04 ✓
1110A	585 #	Kalseal		269.10 ✓
1401	1/2 gal	Polymer		23.63 ✓
4402	1	2 1/2" rubber plug		29.50 ✓
				7.15%
				SALES TAX
				ESTIMATED
				TOTAL

completed

Ravin 3737

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.