

Douglas County, KS
Well: Neumer A-5
Lease Owner: Altavista

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

Commenced Spudding:
7-27-2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-3	soil-clay	3
88	sandstone	91
80	shale	171
5	lime	176
5	shale	181
14	lime	195
9	shale	204
7	lime	211
4	shale	215
17	lime	232
5	shale & lime	237
34	sand	271
16	lime	287
13	sandy shale	300
62	shale	362
21	lime	383
17	shale	400
9	lime	109
, 17	shale	426
7	sand	433
15	lime	448
6	shale	454
1	lime	455
14	shale	469
22	lime	491
8	shale	499
23	lime	522
4	shale	526
4	lime	530
3	shale	533
6	lime	539
7	shale	546
9	sand	555
27	shale	582
58	sand	640
31	shale	671
14	sand	685
9	sandy shale	694
35	shale	729
3	lime	732

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-5

Farm Newmer

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

e 4.00 surface
rocks 4.50 long string

Neumer Farm: Douglas County
KS State; Well No. A-5

Elevation 1073

Commenced Spuding July 27 2013

Finished Drilling July 29 2013

Driller's Name Wesley Dollard

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, 3465 ft.

Distance from E line, 1485 ft.
12 hrs

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
806.	35	seat nipple			
866.	95	Baffle			
898.	55	Float			
					<u>27/8</u>

CASING AND TUBING
RECORD

10" Set _____ 10" Pulled _____
8" Set _____ 8" Pulled _____
7 3/4" Set 94 6 3/4" Pulled _____
4" Set _____ 4" Pulled _____
2" Set _____ 2" Pulled _____

Thickness of Strata	Formation	Total Depth	Remarks
0-3	Soil-clay	3	
88	Sandstone	91	40'-water
80	Shale	171	
5	Lime	176	
5	Shale	181	
14	Lime	195	
9	Shale	204	
7	Lime	211	
4	Shale	215	
17	Lime	232	
5	shale & lime	237	
34	sand	271	no oil
16	Lime	287	
13	sandy shale	300	
62	Shale	362	
21	Lime	383	
17	Shale	400	
9	Lime	409	
17	Shale	426	
7	sand	433	no oil 430-433 slight show
15	Lime	448	
6	shale	454	
1	Lime	455	
14	Shale	469	
22	Lime	491	
8	Shale	499	
23	Lime	522	

522

Thickness of Strata	Formation	Total Depth	Remarks
4	Shale	526	
4	Lime	530	
3	Shale	533	
6	Lime	539	Heathq
7	Shale	546	
9	Sand	555	no Oil
27	Shale	582	
58	sand	640	some sandy shale - no Oil
31	shale	671	
14	sand	685	no Oil
9	sandy shale	694	
35	Shale	729	
3	Lime	732	
5	Shale	737	
9	Lime	746	
13	Shale	759	
4	Lime	763	
6	Shale	769	
3	sandy Lime	772	
3	Lime	775	
5	Shale	780	
3	Lime	783	
16	Shale	799	
1	Lime	800	
3	Shale	803	
2	sand	805	no Oil
1	sand	806	broken 10% Oil

806

Thickness of Strata	Formation	Total Depth	Remarks
1	sandy lime	807	broken 10% oil
1	sandy lime	808	no oil
6	sand	814	mostly solid - good oil
5	sand	819	broken - good oil 817-818 no oil
3	sand	822	no oil
18	sandy shale	840	
80	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 # 261002

Invoice Date: 07/29/2013 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

NEUMAN A-5
42286
14-15-20
07-27-2013
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	87.00	.3900	33.93
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	94.00	.00	.00
503	MIN. BULK DELIVERY	.50	368.00	184.00
675	80 BBL VACUUM TRUCK (CEMENT)	1.00	90.00	90.00

Parts:	671.65	Freight:	.00	Tax:	48.03	AR	1863.68
Labor:	.00	Misc:	.00	Total:	1863.68		
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

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 # 261060

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-5
42257
14-15-20
07-29-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	125.00	11.5000	1437.50
1118B	PREMIUM GEL / BENTONITE	310.00	.2200	68.20
1111	SODIUM CHLORIDE (GRANULA	252.00	.3900	98.28
1110A	KOL SEAL (50# BAG)	625.00	.4600	287.50
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
368 CEMENT PUMP	1.00	1085.00	1085.00
368 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
368 CASING FOOTAGE	898.00	.00	.00
548 MIN. BULK DELIVERY	.50	368.00	184.00
675 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00

Parts:	1944.61	Freight:	.00	Tax:	139.05	AR	3616.66
Labor:	.00	Misc:	.00	Total:	3616.66		
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

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

261060

TICKET NUMBER 42257
LOCATION Hawa, KS
FOREMAN Cassy Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/29/13	3244	Newmer # A-5	NW 14	15	20	DG

CUSTOMER <u>Altevista Energy</u>			
MAILING ADDRESS <u>PO Box 128</u>			
CITY <u>Wellsville</u>	STATE <u>KS</u>	ZIP CODE <u>66092</u>	

TRUCK #	DRIVER	TRUCK #	DRIVER
481	Cashen	✓	Safety Meeting
368	Art McD	✓	
548	Mike Ha	✓	
675	Kei Det	✓	

JOB TYPE <u>Longstring</u>	HOLE SIZE <u>5 7/8"</u>	HOLE DEPTH <u>920'</u>	CASING SIZE & WEIGHT <u>2 7/8" EUE</u>
CASING DEPTH <u>898'</u>	DRILL PIPE	TUBING <u>870'-baffle</u>	OTHER
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT In CASING <u>28'</u>
DISPLACEMENT <u>5.04 bbls</u>	DISPLACEMENT PSI	MIX PSI	RATE <u>3 bpm</u>

REMARKS: held safety meeting, established circulation, mixed & pumped 1/2 gal Polymer and 100 # Premium Gel followed by 10 bbls fresh water, mixed & pumped 125 sks 50% Pozmix cement w/ 2% gel, 5% salt, + 5# Kalseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 5.04 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

[Handwritten Signature]

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	20mi	MILEAGE		84.00
5402	898'	casing footage		
5407	1/2 minimum	you mileage		184.00
5502C	2 hrs	80 lac		180.00
1124	125 sks	50% Pozmix cement		1437.50
118B	310 #	Premium Gel		68.20
1111	252 #	Salt		98.28
110A	625 #	Kalseal		287.50
4402	1	2 1/2" rubber plug		29.50
1401	1/2 gal	Polymer		23.63
				7.15%
				SALES TAX
				ESTIMATED
				TOTAL

completed

Ravin 3737
AUTHORIZATION Bryan Mills TITLE _____ DATE _____
SALES TAX 139.05
ESTIMATED TOTAL 3616.66

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 for