

Douglas County, KS
Well: Neumer A-2
Lease Owner: Altavista

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

Commenced Spudding:
7-18-2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-22	soil clay	22
15	sand stone	37
58	sand stone	45
99	shale	194
4	lime	198
7	shale	205
16	lime	221
8	shale	229
7	lime	236
4	shale	240
18	lime	258
3	shale & lime	261
25	sand stone	286
8	shale	294
18	lime	312
13	sady shale	325
61	shale	386
22	lime	408
15	shale	423
5	shale & lime	428
6	lime	434
13	shale	447
11	sand stone	458
16	lime	474
6	shale	480
1	lime	481
13	shale	494
22	lime	516
8	shale	524
25	lime	549
4	shale & slate	553
4	lime	557
4	shale	561
5	lime	566
5	shale	571
14	sand stone	58/5
26	shale	611
53	sand stone	664
34	shale	698
13	sand stone	744

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 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-2

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

July 4:20 ~~Long String~~ Surface
Brooke 4:30 Longstring

Neumer/ Farm: Douglas County
 KS State; Well No. A-2
 Elevation 1073
 Commenced Spuding July 18 20 13
 Finished Drilling July 22 20 13
 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, 4125 ft.
 Distance from E line, 1485 ft.
 10 hrs

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
835		Set	nipple		
897.35			Baffle		
927.45			float	2	7/8

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
 8" Set _____ 8" Pulled _____
 7 1/2" Set 107 6 1/2" Pulled _____
 4" Set _____ 4" Pulled _____
 2" Set _____ 2" Pulled _____

Thickness of Strata	Formation	Total Depth	Remarks
6-22	soil-clay	22	
15	sandstone	37	
58	sand	95	40' - water
99	shale	194	
4	lime	198	
7	shale	205	
16	lime	221	
8	shale	229	
7	lime	236	
4	shale	240	
18	lime	258	
3	shale & lime	261	
25	sand	286	grey - no oil
8	shale	294	
18	lime	312	shells
13	sandy shale	325	some sand - no oil
61	shale	386	
22	lime	408	
15	shale	423	
5	shale & lime	428	
6	lime	434	
13	shale	447	
11	sand	458	455 - 458 - oil - slight show
16	lime	474	
6	shale	480	
1	lime	481	
13	shale	494	

494

Thickness of Strata	Formation	Total Depth	Remarks
22	Lime	516	
8	Shale	524	
25	Lime	549	
4	Shale & slate	553	
4	Lime	557	
4	Shale	561	
5	Lime	566	
5	Shale	571	Heithg
14	Sand	585	
26	Shale	611	grey - no Oil
53	Sand	664	
34	Shale	698	shaley in spots - no Oil
13	Sand	711	
7	sandy shale	718	grey - no Oil
27	Shale	745	
7	Lime	752	
6	Shale	758	
4	Lime	762	
5	Shale	767	
7	Lime	774	
15	Shale	789	
2	Lime	791	
9	Shale	800	
-10	Lime	810	some sand - no Oil
17	Shale	827	
3	Lime	830	
4	Shale	834	

834

Thickness of Strata	Formation	Total Depth	Remarks
5	sand & lime	837	no Oil
4	sand	846	broken - 50% oil
10	sand	856	no Oil
14	sandy shale	870	
24	shale	894	
2	sand & shale	896	good show
12	shale	908	
7	sand & shale	915	no Oil
45	sandy shale	960	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 # 260751

=====
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-2
42183
14-15-20
07-18-2013
KS

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	35.00	19.7500	691.25
1107	FLO-SEAL (25#)	9.00	2.4700	22.23
	Description	Hours	Unit Price	Total
503	MIN. BULK DELIVERY	1.00	368.00	368.00
666	CEMENT PUMP (SURFACE)	1.00	870.00	870.00
666	EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
666	CASING FOOTAGE	107.00	.00	.00
675	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00

=====
Parts: 713.48 Freight: .00 Tax: 51.01 AR 2266.49
Labor: .00 Misc: .00 Total: 2266.49
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

260751

TICKET NUMBER 42183
LOCATION Ottawa, KS
FOREMAN Cory 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
7/18/13	3244	Neumer #A-2	NW 14	15	20	DB
CUSTOMER <u>Altavista Energy</u>				TRUCK #		
MAILING ADDRESS <u>PO Box 128</u>				DRIVER		
CITY <u>Wellsville</u>		STATE <u>KS</u>	ZIP CODE <u>66092</u>	TRUCK #		
JOB TYPE <u>surface</u>		HOLE SIZE <u>9 1/2"</u>	HOLE DEPTH <u>108'</u>	CASING SIZE & WEIGHT <u>7"</u>		
CASING DEPTH <u>107'</u>		DRILL PIPE	TUBING	OTHER		
SLURRY WEIGHT		SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>17'</u>		
DISPLACEMENT <u>3.75 bbls</u>		DISPLACEMENT PSI	MIX PSI	RATE <u>4.5 bpd</u>		

TRUCK #	DRIVER	TRUCK #	DRIVER
389	Cashen		
6666	Gar Moo		
503	Dan Det		
6675	Kei Det		

REMARKS: held safely, meeting, established circulation, mixed & pumped 35 sks OWC cement w/ 1/4 # Flo Seal per sk, cement to surface, ~~displace~~ displace cement w/ 3.75 bbls fresh water, shut in casing.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE		870.00
5406	20 mi	MILEAGE		84.00
5402	107'	casing footage		
5407	minimum	ton mileage		368.00
5502C	2 hrs	80 Vac		180.00
1126	35 sks	OWC cement		691.25
1107	9 #	Flo Seal		22.23
			7.15%	SALES TAX
				ESTIMATED TOTAL

completed

SALES TAX 51.01
ESTIMATED TOTAL 2266.49

AUTHORIZATION No Co Rep on location 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 # 260812

=====
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-2
42192
14-15-20
07-22-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	124.00	11.5000	1426.00
1118B	PREMIUM GEL / BENTONITE	308.00	.2200	67.76
1111	SODIUM CHLORIDE (GRANULA	260.00	.3900	101.40
1110A	KOL SEAL (50# BAG)	620.00	.4600	285.20
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
503 MIN. BULK DELIVERY	1.00	368.00	368.00
666 CEMENT PUMP	1.00	1085.00	1085.00
666 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
666 CASING FOOTAGE	927.00	.00	.00
675 80 BBL VACUUM TRUCK (CEMENT)	1.50	90.00	135.00

=====
Parts: 1933.49 Freight: .00 Tax: 138.24 AR 3743.73
Labor: .00 Misc: .00 Total: 3743.73
Sublt: .00 Supplies: .00 Change: .00
=====

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

260812

TICKET NUMBER 42192

LOCATION Offace, KS

FOREMAN Cory 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	Neumar # A-2	NW 14	15	20	06	
CUSTOMER				TRUCK #	DRIVER	TRUCK #	DRIVER
Altavista Energy				481	Cashen		
MAILING ADDRESS				666	Garner		
PO Box 128				503	Dan Det		
CITY	STATE	ZIP CODE	675	Kei Det			
Wellsville	KS	66092					

JOB TYPE logstring HOLE SIZE 5 7/8" HOLE DEPTH 960' CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 927' DRILL PIPE _____ TUBING baffle - 897' OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 30'
DISPLACEMENT 5.19 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 124 sks 50/50 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/ 5.19 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	20 mi	MILEAGE		84.00
5402	927'	casing footage		
5407	minimum	tan mileage		368.00
5502C	1.5 hrs	80 Vac		135.00
1124	124 sks	50/50 Pozmix cement		1426.00
1118B	308 #	Premium Gel		67.76
1111	260 #	Salt		101.40
1110A	620 #	Kalseal		285.20
1401	1/2 gal	Polymer		23.63
4402	1	2 1/2" rubber plug		29.50
			<input checked="" type="checkbox"/> 7.15%	SALES TAX
				ESTIMATED TOTAL
				138.24
				3743.73

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