

Franklin County, KS
Well: Van Horn AI-1
Lease Owner: Alta Vista

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

Commenced Spudding:
1/9/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
0-28	Soil-Caly	28
25	Lime	53
8	Shale	61
10	Lime	71
3	Shale	74
16	Lime	90
10	Shale	100
3	Redbed	103
26	Shale	129
18	Lime	147
82	Shale	229
23	Lime	252
23	Shale	275
6	Lime	281
29	Shale	310
10	Lime	320
8	Shale	328
2	Lime	330
17	Shale	347
8	Lime	355
2	Shale	357
13	Lime	370
11	Shale	381
21	Lime	402
4	Shale	406
11	Lime	417
5	Shale	422
4	Lime	426
39	Shale	465
3	Sandy Shale	468
65	Shale	533
2	Sandy Shale	535
10	Sand	545
33	Shale	578
11	Lime	589
5	Shale	594
4	Lime	598
8	Sandy Shale	606
4	Coal	610
5	Shale	615

Thickness of Strata	Formation	Total Depth	Remarks
0-23	Soil-clay	23	
25	Lime	53	
8	Shale	61	
10	Lime	71	
3	Shale	74	
16	Lime	90	
10	Shale	100	
3	redbrd	103	
26	Shale	129	Sandy
18	Lime	147	
82	Shale	229	Sandy Strains
23	Lime	252	
23	Shale	275	
6	Lime	281	
29	Shale	310	
10	Lime	320	
8	Shale	328	
2	Lime	330	
17	Shale	347	
8	Lime	355	
2	Shale	357	
13	Lime	370	
11	Shale	381	
21	Lime	402	
4	Shale	406	
11	Lime	417	
5	Shale	422	

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Thickness of Strata	Formation	Total Depth	Remarks
4	Lime	426	
39	Shale	465	
3	Sandy shale	468	No Oil
65	Shale	533	
2	Sandy shale	535	
10	Sand	545	no Oil
33	Shale	578	
11	Lime	589	
5	Shale	594	
4	Lime	598	
8	Sandy shale	606	
4	Coal	610	
5	Shale	615	
4	Lime	619	
14	Shale	633	
3	Lime	636	
7	Shale	643	
14	Lime	657	
11	Shale	668	
6	Lime	674	
2	Sandy shale	676	
1	Lime	677	
16	Sand	683	no Oil
12	Sand	695	odor no black brown
5	Sandy shale	700	
29	Shale	729	
1	Sand	730	50% Oil



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 # 247100

Invoice Date: 01/16/2012 Terms: 0/0/30,n/30

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

VAN NORN AI-1
36821
SE 13 16 20 FR
01/12/12
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	103.00	10.9500	1127.85
1118B	PREMIUM GEL / BENTONITE	173.00	.2100	36.33
1111	SODIUM CHLORIDE (GRANULA	199.00	.3700	73.63
1110A	KOL SEAL (50# BAG)	515.00	.4600	236.90
4402	2 1/2" RUBBER PLUG	1.00	28.0000	28.00
1143	SILT SUSPENDER SS-630,ES	.50	40.4000	20.20
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	1030.00	1030.00
495 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.00	80.00
495 CASING FOOTAGE	787.00	.00	.00
510 MIN. BULK DELIVERY	.50	350.00	175.00

Parts: 1546.54 Freight: .00 Tax: 120.62 AR 3087.16
Labor: .00 Misc: .00 Total: 3087.16
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
785/672-2227

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
820-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 36821
LOCATION Ottawa KS
FOREMAN Fred Mader

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11/2/12	3244	Van Horn # AI-1	SE 13	16	20	FR
CUSTOMER <u>Alta Vista Energy</u>			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS <u>4595 K-33 Hiway</u>			<u>506 FREMAD So. Cal. W. Va.</u>			
CITY STATE ZIP CODE <u>Wellsville KS 6692</u>			<u>495 HARBEC N.J. N.J.</u>			
			<u>370 CARMOO GM</u>			
			<u>510 KEICAR KC</u>			

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 800 CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 787 DRILL PIPE Baffle in TUBING @ 75' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING 2 1/2" Plug + 30'
 DISPLACEMENT 4.4 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Establish pump rate. Mix + Pump 3 Gal ESA-41 + 1/2 Gal HE-100 polymer
 Flush. Circulate to condition hole. Mix + Pump 103 sks 50/50
 Por Mix Cement 2% Gal 5% Salt 5th Kol Seal/sk. Cement to surface
 Flush pump + liner - Displace 2 1/2" Rubber plug to Baffle in casing.
 Pressure to 800# PSI. Release pressure to set float valve.
 Shut in casing.

TOB Drilling

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1030 ⁰⁰
5406	20 mi	MILEAGE	495	990 ⁰⁰
5402	787	Casing footage		N/C
5407	1/2 Minimum	Ten Miles	510	175 ⁰⁰
5502C	1 1/2 hr	80 BBL Vac Truck	370	135 ⁰⁰
1124	103 sks	50/50 Por Mix Cement		1127 ⁸⁵
1168B	173 #	Premium Gel		36 ³³
1111	199 #	Granulated Salt		73 ⁶³
1110A	515 #	Kol Seal		236 ⁹⁰
4402	1	2 1/2" Rubber Plug		28 ⁰⁰
1143	1/2 Gal	ESA-41		20 ²⁰
1401	1/2 Gal	HE-100 Polymer.		22 ⁶³
<u>247100</u>				
			7.87%	SALES TAX
				ESTIMATED
				TOTAL
				3087 ¹⁶

AUTHORIZATION [Signature] TITLE _____ DATE _____

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