

DRILLERS LOG

API NO: 15 - 207 - 29675 - 00 - 00

OPERATOR: ALTAVISTA ENERGY INC

ADDRESS: 4595 K-33 HWY, P.O. BOX 128, WELLSVILLE, KS 66092

WELL #: AI - 32 LEASE NAME: STRAHM WEST

S. 11	T. 24	R. 16	<u>E.</u>	W.
LOCATION: NE SW NE NW				
COUNTY: <u>WOODSON</u>				
ELEV. GR.:				<u>1056</u>
DF:		KB:		<u>5</u>

FOOTAGE LOCATION: 4470 FEET FROM (N) (S) LINE 3500 FEET FROM (E) (W) LINE

CONTRACTOR: FINNEY DRILLING COMPANY GEOLOGIST: DOUG EVANS

SPUD DATE: 9/12/2018 TOTAL DEPTH: 1111 P.B.T.D. _____

DATE COMPLETED: 9/14/2018 OIL PURCHASER: COFFEYVILLE RESOURCES CRUDE TRANSPORTATION

CASING RECORD

REPORT OF ALL STRINGS - SURFACE, INTERMEDIATE, PRODUCTION, ETC.

PURPOSE OF STRING	SIZE HOLE DRILLED	SIZE CASING SET (in O.D.)	WEIGHT LBS/FT	SETTING DEPTH	TYPE CEMENT	SACKS	TYPE AND % ADDITIVES
SURFACE:	12.2500	7	24	40	I	12	MIXED BY RIG
PRODUCTION:	5.8750	2.8750 BRD	6.5	1104.85	131		SERVICE COMPANY

WELL LOG

CORES: # NONE

- RAN: 1 - FLOAT SHOE
1 - BAFFLE
1 - CLAMP
3 - CENTRALIZERS

RECOVERED: _____
ACTUAL CORING TIME: _____

FORMATION	TOP	BOTTOM
TOP SOIL	0	2
CLAY	2	13
SHALE	13	152
LIME	152	190
SHALE	190	196
LIME	196	215
SHALE	215	231
LIME	231	316
SHALE	316	322
LIME	322	370
LIME & SHALE	370	376
LIME	376	383
SHALE & LIME	383	395
LIME	395	441
SHALE	441	449
LIME	449	451
SHALE	451	455
LIME	455	469
SHALE	469	472
LIME	472	476
SAND & SHALE	476	485
LIME & SHALE	485	499
SHALE	499	504
LIME & SHALE	504	508
KC LIME	508	575
SHALE	575	580
KC LIME	580	581
SHALE	581	582
KC LIME	582	603
SHALE	603	608
KC LIME	608	635
BIG SHALE	635	657
LIME	657	659
SHALE	659	798
LIME	798	803
SHALE	803	822
LIME	822	833
SHALE	833	834
LIME	834	836
SHALE	836	858
SAND	858	868

FORMATION	TOP	BOTTOM
SHALE & SAND	868	884
LIME	884	896
SHALE	896	900
LIME	900	912
SHALE	912	924
LIME	924	927
SHALE & SAND	927	942
LIME	942	950
SHALE	950	962
LIME	962	967
SHALE	967	969
LIME	969	971
SHALE	971	977
LIME	977	980
SHALE	980	987
SAND	987	993
SHALE	993	1017
CAP ROCK	1017	1018
SHALE & SAND & LIME	1018	1021
SAND & SHALE	1021	1024
OIL SAND	1024	1027
OIL SAND & SHALE	1027	1030
SAND & SHALE	1030	1032
SAND & SHALE	1032	1074
LIME	1074	1076
SHALE	1076	1111 T.D.

LIGHT
OIL SHOW
GOOD SHOW
GOOD SHOW
NO SHOW



REMIT TO
 QES Pressure Pumping LLC
 Dept:970
 P.O.Box 4346
 Houston,TX 77210-4346

MAIN OFFICE
 P.O.Box884
 Chanute,KS 66720
 620/431-9210,1-800/467-8676
 Fax 620/431-0012

Invoice Invoice# 814138

Invoice Date: 09/19/18 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC
 PO BOX 128
 WELLSVILLE KS 66092
 USA
 7858834057

STRAHM WEST AI-32

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	45.000	825.00
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	45.000	157.30
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	45.000	363.00
WE0853	80 BBL Vacuum Truck (Cement Services)	2.500	100.0000	45.000	137.50
CC5840	Poz-Blend I A (50:50)	137.000	13.5000	45.000	1,017.23
CC5965	Bentonite	330.000	0.3000	45.000	54.45
CC5326	Sodium Chloride, Salt	265.000	1.0000	45.000	145.75
CC6077	Kolseal	685.000	0.5000	45.000	188.38
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	45.000	24.75

Subtotal 5,297.00
 Discounted Amount 2,383.65
 SubTotal After Discount 2,913.35

Amount Due 5,492.08 If paid after 10/19/18

Tax: 107.30
 Total: 3,020.66



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

11602
11488

Invoice #814136

TICKET NUMBER 55479

LOCATION Ottawa, KS

FOREMAN Jim Grech

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
09-14-18	3244	Strahm West	NE 32 NW 11	24	16	WO
CUSTOMER			TRUCK #			
MAILING ADDRESS			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE			TRUCK #			
JOB TYPE			HOLE SIZE			
CASING DEPTH			HOLE DEPTH			
SLURRY WEIGHT			CASING SIZE & WEIGHT			
DISPLACEMENT			DISPLACEMENT PSI			
DISPLACEMENT PSI			MIX PSI			
RATE			OTHER			

CUSTOMER: Altavista Energy
 MAILING ADDRESS: PO Box 128
 CITY: Wellsville STATE: KS ZIP CODE: 66092
 JOB TYPE: Comp string HOLE SIZE: 5 7/8" HOLE DEPTH: 1111' CASING SIZE & WEIGHT: 2 7/8"
 CASING DEPTH: 110'4" DRILL PIPE: Bell 1070 TUBING: _____ OTHER: _____
 SLURRY WEIGHT: _____ SLURRY VOL: _____ WATER gal/sk: _____ CEMENT LEFT in CASING: _____
 DISPLACEMENT: _____ DISPLACEMENT PSI: _____ MIX PSI: _____ RATE: _____
 REMARKS: Held Safety Meeting. Mix and pump 100' Gel Flush hole
Mix and pump 137 sac Poz Blend IA 2% Gel, 5% Salt, 5% Gel-Seal
Flush pump clear of cement. Pump 2 7/8" rubber Plug to total
depth at baffle. Well held 600" PSI. Set Plug.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	40	MILEAGE	286.00	
CE0711	Min	Tan Mileage	660.00	
WE0853	2 1/2	Vac TR	250.00	
		Truckr	2696.00	
		- 45%	1213.80	
		Sub Total		1482.00
CC5840	137 sac	Poz Blend IA Cement	1849.50	
CC5965	330#	Gel	99.00	
CC5326	265#	SALT	265.00	
CC6077	605	Kel-Seal	342.50	
CP8176	One	2 7/8" rubber Plug	450.00	
		Materials	2608.00	
		- 45%	1170.55	
		SCANNED		1430.55
		7.5%		107.20
		SALES TAX		107.20
		ESTIMATED TOTAL		3020.00
		TOTAL		3020.00

AUTHORIZATION Buyer Kelly TITLE _____ DATE _____
 SALES TAX 107.20
 ESTIMATED TOTAL 3020.00
 TOTAL 3020.00

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