

# McGOWAN DRILLING, INC.

Mound City, KS  
620.224.7406

Well #				Casing			
<b>Section 35 #A22 Altavista Energy, Inc.</b>				Surface		Longstring	
API #:	15-207-29535	S-T-R:	35-23S-16E	Size:	7.0 "	Size:	2 7/8 "
County:	Woodson	Date:	3/24/2018	Tally:	43.85 '	Tally:	1050.1 '
				Cement:	6 sx	Bit:	5.875 "
				Bit:	9.875 "	Date:	4/2/2018
Top	Base	Formation		Top	Base	Formation	
0	1	Soil		938	955	Lime	
1	25	Clay		955	975	Shale	
25	147	Shale		975	992	Sandy Shale	
147	208	Lime		992	993	Lime	
208	262	Shale		993	998	Sand	Good oil show in samples
262	353	Lime		998	1001	Shale / Sandy Sh	See below
353	357	Shale		1001	1005	Sand	
357	425	Lime		1005	1006	Sandy Shale	
425	441	Shale		1006	1008	Sand	
441	450	Lime		1008	1062	Shale / Sandy Sh	
450	453	Shale		1062		TD	
453	455	Lime					
455	471	Shale					Bottom perf - 1008' per Doug E.
471	484	Lime					Seat Nipple: 998'
484	489	Shale					Baffle: 1020'
489	492	Lime					
492	495	Shale					
495	550	Lime					
550	560	Shale					
560	564	Lime					
564	572	Shale					
572	606	Lime					
606	609	Shale					
609	612	Lime					
612	773	Shale					
773	781	Lime	Shaley	<b>Sand / Core Detail</b>			
				<b>Core #1:</b>	<b>996.5'-1016.5'</b>	<b>Core #2:</b>	
781	793	Shale		993	998	Sand, good oil sat., good gas sat., good bleed	
793	805	Lime		998	1001	Shale / Sandy shale, poor saturation	
805	819	Shale		1001	1005	Sand bedded w/shale, good oil saturation	
819	821	Lime		1005	1006	Sandy shale - poor oil saturation	
821	877	Shale		1006	1008	Bedded sand - sand carrying good oil	
877	884	Lime		1008	1016	Sandy shale - no oil	
884	896	Shale					
896	900	Lime					
900	918	Shale					
918	920	Lime					
920	938	Shale					
<b>Total Depth:</b>				<b>1062</b>			



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#

812813

Invoice Date: 04/05/18

Terms: Net 30

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ALTAVISTA ENERGY INC

PO BOX 128  
 WELLSVILLE KS 66092  
 USA  
 7858834057

35#A-22

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
CE0710	Cement Delivery Charge	1.000	440.0000	45.000	242.00
WS2402	Water Transport (Cement Service)	1.000	0.0000	0.000	0.00
CC5840	Poz-Blend I A (50:50)	149.000	13.5000	45.000	1,106.33
CC5965	Bentonite	450.000	0.3000	45.000	74.25
CC5326	Sodium Chloride, Salt	313.000	1.0000	45.000	172.15
CC6077	Kolseal	745.000	0.5000	45.000	204.88
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	45.000	24.75

Subtotal 5,103.00

Discounted Amount 2,296.35

SubTotal After Discount 2,806.65

Amount Due 5,318.78 If paid after 05/05/18

Tax: 118.67

Total: 2,925.33



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

10355  
10247

TICKET NUMBER 53960  
LOCATION Ottawa, KS  
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT  
CEMENT

Invoice # 812813

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4/2/18	3244	Section 35 # A-22	SE 35	23	16	W0
CUSTOMER <u>Attavista Energy</u>						
MAILING ADDRESS <u>PO Box 128</u>						
CITY <u>Wellsville</u>		STATE <u>KS</u>	ZIP CODE <u>666092</u>			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			<u>729</u>	<u>Cas Ken</u>	<u>✓ Safety Meeting</u>	
			<u>467</u>	<u>Kei Car</u>	<u>✓</u>	
			<u>804</u>	<u>Her Bec</u>	<u>✓</u>	
			<u>735-T221</u>	<u>Geo Tay</u>	<u>✓</u>	

JOB TYPE long string HOLE SIZE 5 7/8" HOLE DEPTH 1062 CASING SIZE & WEIGHT 2 7/8" EUE  
CASING DEPTH 1051 DRILL PIPE \_\_\_\_\_ TUBING baffle - 1020' OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 31'  
DISPLACEMENT 5.90 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 200 # Gel followed by 5 bbls fresh water, mixed + pumped 149 sks Pozblend 1A 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/ 5.90 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

*[Handwritten signature]*

\* McGowan Drilling

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	40 mi	MILEAGE	286.00	
CE0710	2/3 min	100 mi mileage	440.00	
WS2402	n/c	Transport		
		trucks	2226.00	
		-45 %	1001.70	
		Subtotal		1224.30
CC5840	149 sks	Pozblend 1A cement	2011.50	
CE5965	450 #	Gel	135.00	
CE5320	313 #	Salt	313.00	
CC6077	745 #	Kalseal	372.50	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	2877.00	
		-45 %	1294.65	
		Subtotal		1582.35
		7.5%		
		SALES TAX		118.68
		ESTIMATED TOTAL		2925.33

AUTHORIZATION Bryan Miller TITLE \_\_\_\_\_ DATE (5/18/18)

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.