KOLAR Document ID: 1441113

Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34350
Name: Altavista Energy, Inc.
Address 1: 4595 K-33 HIGHWAY
Address 2: PO BOX 128
City: WELLSVILLE State: KS Zip: 66092 + ____
Contact Person: Phil Frick
Phone: (785) 883-4057
CONTRACTOR: License # 32218
Name: TDR Construction, Inc.
Wellsite Geologist: None
Purchaser: ____

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ WSW ☐ SWD
☐ Gas ☐ DH ☑ EOR
☐ OG ☐ GSW
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*: ____

If Workover/Re-entry: Old Well Info as follows:
Operator: ____
Well Name: ____
Original Comp. Date: ____ Original Total Depth: ____
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #: ____
☐ Dual Completion Permit #: ____
☐ SWD Permit #: ____
☐ EOR Permit #: ____
☐ GSW Permit #: ____

09/14/2018	09/18/2018	09/18/2018
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-207-29683-00-00
Spot Description: ____
NE - NW - SW - NW Sec. 1 Twp. 24 S. R. 16 ☑ East ☐ West
3870 Feet from ☐ North / ☑ South Line of Section
4690 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: ____ *(e.g. xx.xxxxx)* , Long: ____ *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Woodson
Lease Name: JONES Well #: AI-2
Field Name: ____
Producing Formation: Squirrel
Elevation: Ground: 1061 Kelly Bushing: 1064
Total Vertical Depth: 1120 Plug Back Total Depth: 1069
Amount of Surface Pipe Set and Cemented at: 40 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: ____ Feet
If Alternate II completion, cement circulated from: 1102
feet depth to: 0 w/ 125 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 0 ppm Fluid volume: 30 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name: ____
Lease Name: ____ License #: ____
Quarter ____ Sec. ____ Twp. ____ S. R. ____ ☐ East ☐ West
County: ____ Permit #: ____

AFFIDAVIT
I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
☐ **Confidentiality Requested**
Date: ____
☐ **Confidential Release Date:** ____
☐ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☑ **UIC Distribution**
ALT ☐ **I** ☑ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 02/13/2019

Operator Name: Altavista Energy, Inc. Lease Name: JONES Well #: AI-2

Sec. 1 Twp. 24 S. R. 16 ☑ East ☐ West County: Woodson

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☐ Yes	☑ No
Geologist Report / Mud Logs	☐ Yes	☑ No

List All E. Logs Run:

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Squirrel	999	+62

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9.875	7	17	40	Portland	5	NA
Production	5.625	2.875	6.5	1102	50/50 Poz	125	See Ticket

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/ Injection:	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Altavista Energy, Inc.
Well Name	JONES AI-2
Doc ID	1441113

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9.875	7	17	40	Portland	5	NA
Production	5.625	2.875	6.5	1102	50/50 Poz	125	See Ticket

Woodson County, KS
Well:Jones AI-2
Lease Owner:AltaVista

Town Oilfield Service, Inc.
(913) 294-2125

Commenced Spudding:
9/14/2018

WELL LOG

Thickness of Strata	Formation	Total Depth
0-20	Soil-Clay	20
125	Shale	145
11	Lime	156
17	Sand	173
37	Lime	210
59	Shale	269
25	Lime	294
6	Shale	300
61	Lime	361
4	Shale	365
12	Lime	377
49	Lime	426
8	Shale	434
11	Sand	445
4	Shale	449
110	Lime	559
6	Shale	565
52	Lime	617
165	Shale	782
9	Lime	791
16	Shale	807
9	Lime	816
61	Shale	877
2	Lime	879
4	Shale	883
13	Lime	896
9	Shale	905
4	Lime	909
15	Shale	924
5	Lime	929
16	Shale	945
4	Lime	949
11	Shale	960
1	Lime	961
35	Shale	996
2	Lime	998
1	Shale	999
16	Sand	1015
105	Sandy Shale	1120-TD

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals D^2x.14xh
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 - RPMxd over SPMxR
d - SPMxRxD over RPM
SPM - RPMXD over RxD
R - RPMXD over SPMxD

BELT LENGTH - $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

* Need these to figure belt length

TO FIGURE AMPS: $\frac{\text{WATTS}}{\text{VOLTS}}$ = AMPS

746 WATTS equal 1 HP

Log Book

Well No. AI-2

Farm Jones

KS (State) Woodson (County)

1 (Section) 24 (Township) 16 (Range)

For Altavista Energy inc (Well Owner)

Town Oilfield Services, Inc.
1207 N. 1st East
Louisburg, KS 66053
913-710-5400

James Farm: Wadson County

KS State; Well No. AI-2

Elevation 1061

Commenced Spuding 9-14 20 18

Finished Drilling 9-18 20 18

Driller's Name Wesley Dollard

Driller's Name Ryan Ward

Driller's Name

Tool Dresser's Name

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

1 24 16

(Section) (Township) (Range)

Distance from S line, 3870 ft.

Distance from E line, 4690 ft.

5 sacks
12 hrs
5 5/8 borehole
2 7/8 casing

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7" Set	40	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
1069		Bottle			
1102		Float		2	7/8
1120		TD			

Thickness of Strata	Formation	Total Depth	Remarks
0-20	Soil - clay	20	
125	Shale	145	
11	Lime	156	
17	Sand	173	
37	Lime	210	
59	Shale	269	
25	Lime	294	
6	Shale	300	
61	Lime	361	
4	Shale	365	
12	Lime	377	
49	Lime	426	Shells
8	Shale	434	
11	Sand	445	no Oil
4	Shale	449	
110	Lime	559	Some Sand - no Oil
6	Shale	565	
52	Lime	617	
165	Shale	782	
9	Lime	791	
16	Shale	807	
9	Lime	816	
61	Shale	877	Some Sand - no Oil
2	Lime	879	
4	Shale	883	
13	Lime	896	
9	Shale	905	

905

Thickness of Strata	Formation	Total Depth	Remarks
4	Lime	909	
15	Shale	924	
5	Lime	929	
16	Shale	945	
4	Lime	949	
11	Shale	960	
1	Lime	961	
35	Shale	996	
2	Lime	998	
1	Shale	999	
16	Sand	1015	broken - good oil show
105	sandy shale	1120	TD

QES
PRESSURE PUMPING LLC

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# 814144

Invoice Date: 09/20/18 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

PO BOX 128
WELLSVILLE KS 66092
USA

7858834057

JONES #AI-2

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	45.000	825.00
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)	125.000	13.5000	45.000	928.13
CC5965	Bentonite	310.000	0.3000	45.000	51.15
CC5326	Sodium Chloride, Salt	263.000	1.0000	45.000	144.65
CC6077	Kolseal	625.000	0.5000	45.000	171.88
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	45.000	24.75
CC6128	Mud Flush - C	0.500	50.0000	45.000	13.75

Subtotal	4,836.00
Discounted Amount	2,176.20
SubTotal After Discount	2,659.80

Amount Due 5,017.95 If paid after 10/20/18

Tax:	100.07
Total:	2,759.88

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

11610
11496

TICKET NUMBER 55445
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #814144

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9/18/18	3244	Jones # AI-2	NW1	24	16	WO

CUSTOMER: Altavista Energy
MAILING ADDRESS: PO Box 128
CITY: Wellsville | STATE: KS | ZIP CODE: 66092

TRUCK #	DRIVER	TRUCK #	DRIVER
729	Casken	✓ Safety	Meeting
495	HarBec	✓	
548	Kei Car	✓	
675	Kei Det	✓	

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 1120' CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 1102' DRILL PIPE ____ TUBING baffle - 1069 OTHER ____
SLURRY WEIGHT ____ SLURRY VOL ____ WATER gal/sk ____ CEMENT LEFT in CASING 33'
DISPLACEMENT 6.19 bbls DISPLACEMENT PSI ____ MIX PSI ____ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped ½ gal Mud Flush C Polymer & circulated to condition hole, mixed & pumped 100# Gel followed by 5 bbls fresh water, mixed & pumped 125 sks Portblend 1A cement w/ 2% gel, 5% salt, & 5# Kolseal per sk, cement to surface, flushed pump clean, pumped 2½" rubber plug to baffle w/ 6.19 bbls fresh water, pressured to 800 PSI, released pressure to set float valve.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	—	MILEAGE	—	
CE0711	min	ton mileage	660.00	
WE0853	2.5 hrs	80 Vac	250.00	
		trucks	2410.00	
		-45%	1084.50	
		subtotal		1325.50
18078 CC5840	125 sks	Portblend 1A cement	1687.50	
CC5965	310 #	Gel	93.00	
CC5326	263 #	Salt	263.00	
CC6077	625 #	Kolseal	312.50	
CP8176	1	2½" rubber plug	45.00	
CC6128	½ gal	Mud Flush C Polymer	25.00	
		materials	2426.00	
		-45%	1091.70	
		subtotal		1334.30
		SCANNED		
		7.5%	SALES TAX	100.07
			ESTIMATED TOTAL	2759.88 (5017.95)

Ravin 3737

AUTHORIZTION 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.