Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1313444

Form ACO-1
August 2013
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 # 33715
Name: Town Oilfield Service
Wellsite Geologist: None
Purchaser:

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ 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 ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

06/10/2016	06/13/2016	06/13/2016
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-31264-00-00
Spot Description:
NW SE SW SE Sec. 1 Twp. 18 S. R. 21 ☑ East ☐ West
620 Feet from ☐ North / ☑ South Line of Section
1825 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: Miami
Lease Name: O'BRIEN Well #: A-42
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 925 Kelly Bushing: 925
Total Vertical Depth: 600 Plug Back Total Depth: 555
Amount of Surface Pipe Set and Cemented at: 23 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 587
feet depth to: 0 w/ 72 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 20 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**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Karen Ritter **Date:** 08/04/2016

[redacted] 1313444

Operator Name: Altavista Energy, Inc. Lease Name: O'BRIEN Well #: A-42

Sec. 1 Twp. 18 S. R. 21 ☑ East ☐ West County: Miami

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

List All E. Logs Run:

Gamma Ray/Neutron/CCL

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

Name	Top	Datum
Squirrel	526	+399

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	23	Portland	4	NA
Production	5.625	2.875	7	587	50/50 Poz	72	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	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☑ No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
3	526-544 - 55 Perfs - 2" DML RTG		

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 07/25/2016

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	2				

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Form	ACO1 - Well Completion
Operator	Altavista Energy, Inc.
Well Name	O'BRIEN A-42
Doc ID	1313444

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	23	Portland	4	NA
Production	5.625	2.875	7	587	50/50 Poz	72	See Ticket

Miami County, KS
Well: O'Brien A-42
Lease Owner:AltaVista

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

Commenced Spudding:
6/10/16

WELL LOG

Thickness of Strata	Formation	Total Depth
0-33	Soil-Clay	33
7	Shale	40
19	Lime	59
9	Shale	68
2	Lime	70
9	Shale	79
8	Lime	87
42	Shale	129
15	Lime	144
10	Shale	154
11	Lime	165
3	Shale	168
14	Lime	182
8	Shale	190
21	Lime	211
5	Shale	216
4	Lime	220
2	Shale	222
6	Lime	228
137	Shale	365
17	Lime	382
8	Shale	390
6	Lime	396
2	Shale	398
4	Lime	402
42	Shale	444
7	Lime	451
12	Shale	463
3	Lime	466
17	Shale	483
7	Lime	490
18	Shale	508
2	Lime	510
3	Shale	513
6	Lime	519
3	Shale	522
1	Sand	523
5	Sand	528
1	Sand	529
6	Sand	535

Miami County, KS
Well: O'Brien A-42
Lease Owner:AltaVista

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

Commenced Spudding:
6/10/16

3	Sand	538
2	Sand	540
2	Sand	542
16	Sandy Shale	558
42	Shale	600-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. A-42

Farm O'Brien

KS (State) Miami (County)

1 (Section) 18 (Township) 21 (Range)

For Altavista Energy Inc (Well Owner)

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

O'Brien Farm: Miami County

KS State; Well No. A-42

Elevation 925

Commenced Spuding 6-10 20 16

Finished Drilling 6-13 20 16

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

1 (Section) 18 (Township) 21 (Range)

Distance from S line, 620 ft.

Distance from E line, 1825 ft.

4 sacks

8 hrs

5 5/8 borehole

2 7/8 casing

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 8¼" Set	23	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
522.	5	Seat nipple			
555	-	Bottle			
587	-	Float			
600		TD		2 7/8	

Thickness of Strata	Formation	Total Depth	Remarks
0-33	Soil-Clay	33	
7	Shale	40	
19	Lime	59	
9	Shale	68	
2	Lime	70	
9	Shale	79	
8	Lime	87	
42	Shale	129	
15	Lime	144	
10	Shale	154	
11	Lime	165	
3	Shale	168	
14	Lime	182	
8	Shale	190	
21	Lime	211	
5	Shale	216	
4	Lime	220	
2	Shale	222	
6	Lime	228	Hi-Flow
137	Shale	365	
17	Lime	382	
8	Shale	390	
6	Lime	396	
2	Shale	398	
4	Lime	402	
42	Shale	444	
7	Lime	451	

451

Thickness of Strata	Formation	Total Depth	Remarks
12	Shale	463	
3	Lime	466	
17	Shale	483	
7	Lime	490	
16	Shale	506	
2	Lime	510	
3	Shale	513	
6	Lime	519	
3	Shale	522	
1	Sand	523	no Oil - grey
5	Sand	528	brown - gas - no Oil
1	Sand	529	broken - good Oil Show
6	Sand	535	mostly solid - good Show
3	Sand	538	broken - not much Oil
2	Sand	540	solid - good saturation
2	Sand	542	broken - good saturation
16	Sandy Shale	558	
42	Shale	[illegible]	TD 600
		[illegible]	

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

Invoice

Invoice# 807802

Invoice Date: 06/17/16 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

PO BOX 128
WELLSVILLE KS 66092
USA

7858834057

OBRIAN #A-42

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	62.000	570.00
CE0002	Equipment Mileage Charge - Heavy Equipment	20.000	7.1500	62.000	54.34
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	62.000	250.80
WE0853	80 BBL Vacuum Truck (Cement Services)	1.000	100.0000	62.000	38.00
CC5840	Poz-Blend I A (50:50)	72.000	13.5000	62.000	369.36
CC5965	Bentonite	221.000	0.3000	62.000	25.19
CC5326	Sodium Chloride, Salt	151.000	1.0000	62.000	57.38
CC6077	Kolseal	360.000	0.5000	62.000	68.40
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	62.000	17.10

Subtotal	3,817.30
Discounted Amount	2,366.73
SubTotal After Discount	1,450.57

Amount Due 3,930.44 If paid after 07/17/16

Tax:	42.99
Total:	1,493.56

807802

5949
585

TICKET NUMBER 50050
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

CONSOLIDATED
Oil Well Services, LLC

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
6/13/16	3244	O'Brian # A-42	SE 1	18	21	LN

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

TRUCK #	DRIVER	TRUCK #	DRIVER
729	Cas Ken	✓	Safety Meeting
467	Kei Car	✓	
558	Mik Hea	✓	
675	Kei Det	✓	

JOB TYPE longstring | HOLE SIZE 5 5/8" | HOLE DEPTH 600' | CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 588' | DRILL PIPE | ~~TUBING~~ baffle - 555' | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 33'
DISPLACEMENT 3.21 bbls | DISPLACEMENT PSI | MIX PSI | RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 100# gel followed by 5 bbls fresh water, mixed + pumped 72 sks Pozblend 1A cement w/ 2% gel, 5% salt, + 5# Kolseal per sk, cement to surface, flushed pump clean, pumped 2½" rubber plug to baffle w/ 3.21 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450 ✓	1 ✓	PUMP CHARGE ✓	1500.00	
CE0002 ✓	20 mi ✓	MILEAGE ✓	143.00	
CE0711 ✓	min ✓	ton mileage ✓	600.00	
WE0853 ✓	1 hr ✓	80 Vac ✓	100.00	
		trucks	2403.00	
		- 62%	1489.86	
		subtotal		913.14
818 CC5840 ✓	72 sks ✓	Pozblend 1A cement ✓	972.00	
CC5965 ✓	221 # ✓	Gel ✓	66.30	
CC5326 ✓	151 # ✓	Salt 1.00 ✓	151.00	
CC6077 ✓	360 # ✓	Kolseal .50 ✓	180.00	
CP8176 ✓	1 ✓	2½" rubber plug ✓	45.00	
		materials	1414.30	
		- 62%	876.87	
		subtotal		537.43
		8%	SALES TAX	42.99 ✓
			ESTIMATED TOTAL	1493.56 ✓

Ravin 3737

AUTHORIZTION No Co Rep TITLE DATE (3930.44)

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.