Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1240169

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 # 5989
Name: Finney, Kurt dba Finney Drilling Co.
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 #:

10/01/2014	10/07/2014	10/07/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-031-24027-00-00
Spot Description:
NW SW SE NW Sec. 14 Twp. 22 S. R. 16 ☑ East ☐ West
3135 Feet from ☐ North / ☑ South Line of Section
3795 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: Coffey
Lease Name: Marjorie Crotts Well #: I-20
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1037 Kelly Bushing: 1037
Total Vertical Depth: 1123 Plug Back Total Depth: 1073
Amount of Surface Pipe Set and Cemented at: 43 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 1104
feet depth to: 0 w/ 155 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**
☐ **Geologist Report Received**
☑ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 01/22/2015

1240169

Operator Name: Altavista Energy, Inc. Lease Name: Marjorie Crotts Well #: I-20

Sec. 14 Twp. 22 S. R. 16 ☑ East ☐ West County: Coffey

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 ☐ Yes ☑ No
(Attach Additional Sheets)

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	1022	+15

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	12.25	7	17	43	50/50 Poz	30	See Ticket
Production	5.875	2.875	7	1104	50/50 Poz	155	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	1022-1032 - 31 Perfs - 2" DML RTG		

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

Date of First, Resumed Production, SWD or ENHR. 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: ☐ 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:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

DRILLERS LOG

API NO: 15 - 031 - 24027 - 00 - 00

OPERATOR: ALTAVISTA ENERGY INC

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

WELL #: I - 20 LEASE NAME: MARJORIE CROTTS

FOOTAGE LOCATION: 3135 FEET FROM (N) (S) LINE 3795 FEET FROM (E) (W) LINE

CONTRACTOR: FINNEY DRILLING COMPANY

SPUD DATE: 10/1/2014

DATE COMPLETED: 10/7/2014

S. 14 T. 22 R. 16 E. W.

LOCATION: NW SW SE NW

COUNTY: COFFEY

ELEV. GR.: 1037

DF: KB:

GEOLOGIST: DOUG EVANS

TOTAL DEPTH: 1123 P.B.T.D.

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	19	42.7	OWC	58	SERVICE COMPANY
PRODUCTION:	5.8750	2.8750 8rd	6.5	1103.93	OWC	131	SERVICE COMPANY

WELL LOG

CORES: # NO CORE

RECOVERED:

ACTUAL CORING TIME:

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

FORMATION	TOP	BOTTOM
TOP SOIL	0	3
CLAY	3	25
SAND & GRAVEL	25	33
LIME	33	35
CLAY SAND	35	41
SHALE	41	230
LIME	230	252
SHALE	252	256
LIME	256	277
SHALE	277	368
LIME	368	380
SHALE	380	383
LIME	383	387
SHALE	387	427
LIME	427	489
SHALE	489	500
LIME	500	504
SHALE	504	524
SHALE SAND & LIME	524	543
KC LIME	543	601
SHALE	601	607
KC LIME	607	631
SHALE	631	636
KC LIME	636	661
BIG SHALE	661	814
LIME	814	823
SAND SHALE & LIME	823	835
LIME	835	844
SAND & SHALE	844	900
LIME	900	905
SAND & SHALE	905	927
LIME	927	931
SAND & SHALE	931	947
LIME	947	953
SAND & SHALE	953	969
LIME	969	970
SHALE	970	972
LIME	972	975
SAND & SHALE	975	984
LIME	984	988
SAND & SHALE	988	1018

FORMATION	TOP	BOTTOM
CAP LIME	1018	1019
SHALE	1019	1022
CAP LIME	1022	1023
SHALE & SAND OIL LIGHT SHOW	1023	1024
SHALE & SAND OIL LIGHT SHOW	1024	1026
SAND & SHALE OIL	1026	1028
SAND OIL GOOD	1028	1030
SAND & SHALE OIL	1030	1033
SHALE & SAND	1033	1036
SAND & SHALE	1036	1077
LIME	1077	1079
SAND & SHALE	1079	1123 T.D.

CONSOLIDATED
Oil Well Services, LLC

REMIT TO
FINV
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 # 271767

Invoice Date: 10/15/2014 Terms: 0/0/30,n/30 Page 1

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

M. CROTTS I-20
48288
SW13 17 22 CF
10/1/2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	30.00	11.5000	345.00
1118B	PREMIUM GEL / BENTONITE	50.00	.2200	11.00
1111	SODIUM CHLORIDE (GRANULA	58.00	.3900	22.62
1110A	KOL SEAL (50# BAG)	150.00	.4600	69.00

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-134.29

	Description	Hours	Unit Price	Total
368	CEMENT PUMP (SURFACE)	1.00	870.00	870.00
368	EQUIPMENT MILEAGE (ONE WAY)	1.00	.00	.00
368	CASING FOOTAGE	42.75	.00	.00
368	TON MILEAGE DELIVERY	62.78	1.41	88.52
368	80 BBL VACUUM TRUCK (CEMENT)	1.00	100.00	100.00

Parts:	447.62	Freight:	.00	Tax:	19.27	AR	1391.12
Labor:	.00	Misc:	.00	Total:	1391.12		
Sublt:	-134.29	Supplies:	.00	Change:	.00		

Signed _____ Date _____

271767
Jm 46
FT 43

CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 48288
LOCATION Ottawa
FOREMAN Alan Mader

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
10-1-14	3244	M. Crafts I-20	SW 13	17	22	CF

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

TRUCK #	DRIVER	TRUCK #	DRIVER
730	Alan M	Safety	Meet
368	Ari M. D		
369	Mik Hag		
558	Brad B		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 43 CASING SIZE & WEIGHT 8 7
CASING DEPTH 42.75 DRILL PIPE TUBING OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING yes
DISPLACEMENT 1.875 DISPLACEMENT PSI 100 MIX PSI 100 RATE 4 bpm

REMARKS: Held meeting. Established rate. Mixed & pumped 30 sk 50/50 cement plus 2% gel, 5% salt, 5# kol seal per sack. Circulated cement. Displaced casing with 1 7/8 bbl clean water. Closed valve.

Kurt

Alan Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5406	1	PUMP CHARGE	368	870.00	870.00
5406	—	MILEAGE	368		—
5402	42.75	casing footage	368		—
5407A	62.78	tonnies	558		88.52
5502C	1	80 vac	369		100.00
1124	30	50/50 cement		345.00	
1118B	30#	gel		11.00	
1111	58#	Salt		22.62	
1110A	150#	Kolseal		69.00	
		material sub		447.62	
		less 30%		-134.29	
		material total			313.33
				1505.43	
				SALES TAX	78.17
				ESTIMATED TOTAL	1391.12

45

Ravin 3737

NO company rep
J.M OK'd

AUTHORIZTION _____ 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.

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 # 271818

Invoice Date: 10/17/2014 Terms: 0/0/30,n/30 Page 1

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

M. CROTTS I-20
48299
NW14 22 16 CF
10/7/2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	155.00	11.5000	1782.50
1118B	PREMIUM GEL / BENTONITE	361.00	.2200	79.42
1111	SODIUM CHLORIDE (GRANULA	313.00	.3900	122.07
1110A	KOL SEAL (50# BAG)	775.00	.4600	356.50
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-702.15

	Description	Hours	Unit Price	Total
495	CEMENT PUMP	1.00	1085.00	1085.00
495	EQUIPMENT MILEAGE (ONE WAY)	45.00	4.20	189.00
495	CASING FOOTAGE	1104.00	.00	.00
558	MIN. BULK DELIVERY	324.34	1.41	457.32
675	80 BBL VACUUM TRUCK (CEMENT)	2.00	100.00	200.00

Parts:	2369.99	Freight:	.00	Tax:	102.56	AR	3701.72
Labor:	.00	Misc:	.00	Total:	3701.72		
Sublt:	-702.15	Supplies:	.00	Change:	.00		

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

271818

TICKET NUMBER 48299
LOCATION Ottawa KS
FOREMAN Fred Mader

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
10.7.14	3244	M. Crotts # I-28	NW 14	22	16	CF

CUSTOMER: Alta Vista Energy Inc
MAILING ADDRESS: P.O. Box 128
CITY: Wellsville | STATE: KS | ZIP CODE: 66092

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fre Mad		
495	Har Bec		
675	Kei Dat		
558	Bru Bir		

JOB TYPE Long string . HOLE SIZE 5 7/8 HOLE DEPTH 1110' CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 1104 DRILL PIPE Baffle in TUBING @ 1072 OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 31' & Plug
DISPLACEMENT 6.23 BBL DISPLACEMENT PSI MIX PSI RATE 5 BPM

REMARKS: Held safety meeting. Establish circulation. Mix & Pump 100# Gel Flush. Mix & Pump 155 sks 50/50 Poz Mix Cement 2% Gel 5% Salt 5# Kol Seal/sk. Cement to surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug to baffle in casing. Pressure to 800# PSI Release pressure to set Float Valve. Shut in casing.

Finney Drilling. Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495		1085.00
5406	45 mi	MILEAGE	495		189.00
5402	1104	Casing Footage			N/C
5407	324.34	Ton Miles	558		457.32
5502C	2 hrs	80 BBL Vac Truck	675		200.00
1124	155 sks	50/50 Poz Mix Cement		1782.50	
1118B	361#	Premium Gel		79.42	
1111	313#	Granulated Salt		122.07	
1110A	775#	Kol Seal		356.50	
		Material		2340.49	
		Less 30%		-702.15	
		Total			1638.34
4402	1	2 1/2" Rubber Plug			29.50
				4447.06	
			6.15%	SALES TAX	102.57
				ESTIMATED TOTAL	3701.73

102.56

Revin 3737

AUTHORIZTION _____ TITLE _____ DATE _____ 3701.72

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.