

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1079945

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: feet depth to: w/ sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite: Operator Name: Lease Name: Quarter Sec TwpS. R Dest County:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

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

	Side Two	
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes	No		og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog		Yes	No	Nam	ie		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ Yes ☐ Yes	│ No │ No │ No					
List All E. Logs Run:								
		Report al		RECORD N	ew Used ermediate, producti	ion, etc.		
Purpose of String	Size Hole Drilled	Size Ca Set (In	asing	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					ement Squeeze Record I of Material Used)	Depth			
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed P	roduct	on, SWD or ENH	ર .	Producing N		oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITION	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Uually (Submit)		Commingled (Submit ACO-4)		
(If vented, Subm	nit ACC	-18.)		Other (Specify)					



Oil & Gas Well Drilling Water Wells Geo-Loop Installation

Phone: 913-557-9083 Fax: 913-557-9084

WELL LOG Altavista Energy, Inc. Guetterman #AI-4 API # 15-091-23,505 January 17 - January 20, 2012

Paola, KS 66071

Thickness of Strata	Formation	Total
12	soil & clay	12
5	sandstone	17
33	shale	50
5	lime	55
13	shale	68
18	lime	86
9	shale	95
10	lime	105
2	shale	107
20	lime	127
18	shale	145
20	lime	165
8	shale.	173
47	lime	220
24	shale	244
7	lime	251
20	shale	271
6	lime	277
8	shale	285
8	lime	293
3	shale	296
4	lime	300
35	shale	335
28	lime	363
6	shale	369
20	lime	389
4	shale	393
15	lime	
174	shale	408 base of the Kansas City
5	lime	582
16		587
4	shale	603
16	lime	607
3	shale	623
5	lime	626
	shale	631
11 .	lime	642
62	shale	704
4	lime	708

Guetterman #AI-4

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shale	744
broken sand	753 brown & grey sand, lite bleeding
shale	866
broken sand	869.5 brown & white sand, 80% oil sand bleeding
oil sand	872.5 black, good sand, good bleeding
broken sand	875 brown & grey sand, 60% oil sand bleeding
silty shale	878
shale	935 TD
	broken sand shale broken sand oil sand broken sand silty shale

Drilled a 9 7/8" hole to 21.4' Drilled a 5 5/8" hole to 935'

Set 21.5' of 7" surface casing cemented with 5 sacks of cement.

Set 925' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp, and 1 baffle.

Guetterman #AI-4

	Core Times	S
	Minutes	Seconds
867		49
868	1	10
869		39
870	1	9
871		48
872		54
873		22
874		30
875		34
876		36
877		42
878		40
879	1	15
880		57
881		34
882		50
	727	

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	Oil Well Services		REMIT onsolidated Oil We Dept. 9 P.O. Box Houston, TX 77	II Services, LLC 70 1346	Chant 620/431-9210 • 1-	AIN OFFICE P.O. Box 884 ute, KS 66720 800/467-8676 620/431-0012
INVOIC	E				Invoice #	
Invoic	e Date: 01/26/20	012 Term	ms: 0/0/30,n/3		 Pa	=========== age 1
4 P W	LTAVISTA ENERGY J 595 K-33 HIGHWAY .O. BOX 128 ELLSVILLE KS 66(785)883-4057			GUETTERMAN AI 36881 NW 20 14 22 JC 01/20/12 KS		
======						
Part N 1124 1118B 1111 1110A 4402 1401 1143	50 PF SC KC 2 HE	REMIUM GEL DDIUM CHLO DL SEAL (5 1/2" RUBB E 100 POLY	CEMENT MIX L / BENTONITE DRIDE (GRANULA 50# BAG) BER PLUG	131.00 212.00 299.00 655.00 1.00 .50	.3700	Total 1434.45 44.52 110.63 301.30 28.00 23.63 20.20
369 8 495 0 495 1 495 0	Description 80 BBL VACUUM TRU CEMENT PUMP EQUIPMENT MILEAGE CASING FOOTAGE MIN. BULK DELIVEF	E (ONE WAY		Hours 2.00 1.00 30.00 925.00 1.00	4.00	Total 180.00 1030.00 120.00 .00 350.00

 Parts:
 1962.73 Freight:
 .00 Tax:
 147.69 AR
 3790.42

 Labor:
 .00 Misc:
 .00 Total:
 3790.42

 Sublt:
 .00 Supplies:
 .00 Change:
 .00

Signed

BARTLESVILLE, OK 918/338-0808

C EL DORADO, KS 316/322-7022

KS EUREKA, KS 22 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-2227 OTTAWA, KS 785/242-4044

Date

THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914

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	Consolidated		• • •	TICKET NUM	BER 3	5881
	oļi Well Services, LLC			LOCATION_) thang	Re
. BO Box 89	Chanuts KO cozoo			FOREMAN	Jim.G.	rein
620-431-92	4, Chanute, KS 66720 F 10 or 800-467-8676	IELD TICKET & TREA		ORT	<u>-</u>	· · · ·
DATE	· · · · · · · · · · · · · · · · · · ·	CEMEN ELL NAME & NUMBER				•
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CUSTOMER		man & ALY	NW 20	14	22	00
	HI-thUUSTIS EN	ergy	TRUCK#	DRIVER	TPUOK !!	のの学校を
MAILING AD			669	Tim Gree	TRUCK#	DRIVER
	4595 Huy 33		495	aser Kenne	1 - (
CITY	STATE	ZIP CODE	364	De a Maria	DA	
Well	sulle KS	66092	548	Kot Car	KC	
JOB TYPE	Long St-AL HOLE SIZE	SIP HOLE DEPTH	935	CASING SIZE & W		27
CASING DEF	TH DRILL PIPE_	Baffle TUBING a				<u></u>
SLURRY WE	IGHT SLURRY VOL			CEMENT LEFT in	OTHER	
DISPLACEM	ENT DISPLACEME			RATE		
REMARKS:	Establost Cousa		1 Aug al	GALEST	4-1110	TINT
HEIS	50 Polymer Flush	Con seller and	and Mron	LI M	1 71 3 1	2 GAL
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	Evans E.	renyy (Traves)	A			
ACCOUNT	QUANITY or UNITS	THE L	1 in the	<u></u>		T
CODE		DESCRIPTION	SERVICES or PRO	DUCT	UNIT PRICE	TOTAL
5402	One	PUMP CHARGE COMP	or one we	le l		1030
5406	30	MILEAGE				12000
5482	925-	Caring fortinge				NIG
5407	mon	Ton Milay 2			and the second second	Senar
55020	c 2HKS	Vuc The	•			18000
				1'		180
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11183		Premium a-	1 .		•	44.52
1111	299 K	Corunalared So	2/1			11063
11104	6550	Kol-Seal				50/20
4402	One	23: Rubber	Place	•		28,00
1401	15 Gal	111 101 01	mer			2362
1143	12 Gal	ESA-41	≤ 1	A		20.20
		-				
		////	1			
	12117202		7			
	1(14150.)	1 1 1 1	5		SALES TAX	147 69
Ravin 3737		6			ESTIMATED	2-190-42-
	M			-	TOTAL	
AUTHORIZTIO	N	TITLE		D	ATE	*

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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