KOLAR Document ID: 1403694

Confiden	tiality 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	- DESCRIP	WEII &	IFASE
	INSIONI			LLASL

OPERATOR: License #	API No.:
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 #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas DH EOR	Total Vertical Depth: Plug Back Total Depth:
	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
	If yes, show depth set: Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from:
Operator:	
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to EOR Conv. to SWD	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Plug Back Liner Conv. to GSW Conv. to Producer	(Data musi de collected nom the reserve rit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East West
Recompletion Date Recompletion Date	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: Date:					

KOLAR Document ID: 1403694

Operator Name:	Lease Name: Well #:
Sec TwpS. R East 🗌 West	County:

Page Two

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 Sh	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c] Ne	w Used rmediate, productio	on. etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Туре	e of Cement	# Sacks Use	Used Type a			and Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the Was the hydraulic fracture 	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole		Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)		Bollom		
	foration Perform Top Botto					Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion	
Operator	Altavista Energy, Inc.	
Well Name	WINDLER AI-41	
Doc ID	1403694	

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9.875	7	17	20	Portland	3	NA
Production	5.625	2.875	6.5	571	50/50 Poz	75	See Ticket

Lease Owner:AltaVista

Miami County, KS Well:Windler AI-41 (913) 294-2125 Commenced Spudding: 11/9/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-17	Soil-Clay	17
10	Lime	27
11	Shale	38
33	Lime	71
6	Shale	77
21	Lime	98
4	Shale	102
2	Lime	104
4	Shale	108
7	Lime	115
21	Shale	136
9	Sand	145
12	Sandy Shale	157
119	Shale	276
12	Limey Sand	288
38	Shale	326
6	Lime	332
5	Shale	337
6	Lime	343
8	Shale	351
12	Lime	363
12	Shale	375
3	Lime	378
16	Shale	394
24	Lime	418
6	Shale	424
2	Lime	426
14	Shale	440
3	Lime	443
47	Shale	490
5	Sandy Shale	495
8	Sand	503
12	Sandy Shale	515
34	Shale	549
1	Lime	550
30	Shale	580-TD

Short Cuts

TANK CAPACITY BBLS. (42 gal.) equals D²x.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

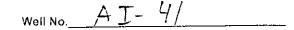
* D - Diameter of Pump Sheave * d - Diameter of Engine Sheave SPM - Strokes per minute RPM - Engine Speed R - Gear Box Ratio *C - Shaft Center Distance

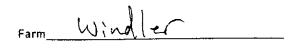
D - RPMxd over SPMxR d - SPMxRxD over RPM SPM - RPMXD over RxD R - RPMXD over SPMxD

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

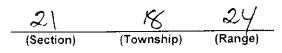
* Need these to figure belt length WATTS = AMPS TO FIGURE AMPS: VOLTS 746 WATTS equal 1 HP

Log Book











Town Oilfield Services, Inc.

1207 N. 1st East Louisburg, KS 66053 913-710-5400

Windler Farm: _ Miam. County AI-State; Well No. 935 Elevation. 11-9 20_17 Commenced Spuding 11-20 Finished Drilling DU LVESIC Driller's Name Wa **Driller's Name Driller's Name** Tool Dresser's Name Tool Dresser's Name **Tool Dresser's Name** 25 Contractor's Name 14 R (Range) (Township) (Section) line, 4270 5 _ft. Distance from Distance from line, ft. 3 SACKS 1 2014 20 SVIF acc8hrs 578 borehole 27/46 casing CASING AND TUBING RECORD 10" Set _____ 10" Pulled 8" Set _ _____ 8" Pulled _ _____ 7 24" Set _20 6¼" Pulled _ ____ _____ 4" Set _____ 4" Pulled _ 2" Set _____ 2" Pulled _

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
			$-\alpha$	<u>}_/</u>	
530	15	B	-4-4	10	
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Thickness of	Formation	Total	
$\frac{\text{Strata}}{0-17}$	Soil- clay		Remarks
	Lime	27	
	Shele	38	
33	Lime	71	
- 22	Shall	1-7-5	
		ad	
21	Lime	98	
	Shele	102	+
2	Line	104	
<u> </u>	Shale	108	
	Lime	115	Heitha
21	Shall	136	
9	Sand	145	broken-good oil Show
12	sandy Shelt	151	
119	Shall,	276	
12	limey save	288	no 0.1
38	shale	326	
6	Lime	332	
5	Shale	337	
6	Lime	343	
B	Shall	351	
12	Lime	363	
12	Shall	375	
3	Lime	378	
16	Shale	394	
24	Lime.	418	
6	Shall	424	
2-	Lime	4260	
	-2-		-3-

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		426	
Thickness of Strata	Formation	Total Depth	Remarks
14	Shale	440	
3	Lime	443	
47	Shale	490	
5	sandy Shele	495	***************************************
8	Sand	503	solid-good seturation
12	sandy Shele	515	
34	Shalp	549	
1	Lime	550	
30	Shale	580	TD
		<u> </u>	
	-4-		-5-

'n

Lease Owner:AltaVista

Miami County, KS
Well:Windler A-42Town Oilfield Service, Inc.Commenced Spudding:
11/21/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-12	Soil-Clay	12
8	Lime	20
13	Shale	33
33	Lime	66
7	Shale	73
19	Lime	92
4	Shale	96
2	Lime	98
6	Shale	104
5	Lime	109
20	Shale	129
13	Sand	142
13	Sandy Shale	155
114	Shale	269
10	Limey Sand	279
6	Sandy Shale	285
34	Shale	319
7	Lime	326
18	Shale	344
11	Lime	355
11	Shale	366
4	Lime	370
14	Shale	384
24	Lime	408
6	Shale	414
5	Lime	419
65	Shale	484
16	Core	500
35	Shale	535
1	Lime	536
24	Shale	560-TD
	· · · · · · · · · · · · · · · · ·	

	Core	
		484
8	Sand	492
2	Sand & Sandy Shale	494
6	Sandy Shale	500
·····		

Short Cuts

TANK CAPACITY BBLS. (42 gal.) equals D²x.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 WATTS = AMPS TO FIGURE AMPS: VOLTS

746 WATTS equal 1 HP

Log Book A-42 Weil No. Windler (State) (Township) (Section) For Altavista Energy ine (Well Owner)

Town Oilfield Services, Inc. 1207 N. 1st East Louisburg, KS 66053

913-710-5400

Windler Farm: Migni County State; Well No. 930 Elevation _ L **Commenced Spuding Finished Drilling** Wes Driller's Name **Driller's Name** Driller's Name Tool Dresser's Name Tool Dresser's Name **Tool Dresser's Name** 65 Contractor's Name (Range) (Township) (Section) 4830 line, ft. **Distance** from ft. line, Distance from 3 sacks 1 00 ahis 55/4 borchalt 27/8 165:4 CASING AND TUBING RECORD 10" Pulled _____ . 10" Set _____ ____ 8" Pulled ___ 8" Set _ 20 6¼" Pulled 7 🌌 "Set _ 4" Pulled _____ 4" Set _ 2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet In.	Feet In.	Feet	In.
480-5	cat nip	ple	
EIL TE		0	
511. 75	Batt	e,	74_
543,45	Float	~	
560 T			
			<u> </u>
			<u> </u>
		-	

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Thickness of Strata	Formation	Total Depth	Remarks
0-12	Soil- clay	12	
8	Lime	20	
13	Shale	33	
33	Lime	66	
7	Shale	73	
19	Lime	92	
<u> </u>	Shalt	96	
2	Lime	98	
6	Shele	104	
5	Lime	109	Hertha
20	Shale	129	-
	Sand	142	broken-good Gil Shew
13	Sandy Shele	155	
	Shalf	269	
10	limey sand	279	no Oil
- 24	Sandy Shalf	285	
	Shall	319	
	Lime	326 344	
18	Shale	355	
	Lime	366	
$-\frac{\eta}{\omega}$	Line	370	· · · · · · · · · · · · · · · · · · ·
- iu	Shale	384	
24	Lime	1124	·
		414	·
5	Lime	419	
65	Shale. Lime Shale	484	
	-2-		-3-

Thickness of StrataFormation16CCC35Shale1Lime	Total Depth 500 535 536 560	Remarks
16 Core 35 Shale	535 536	
	536	
1 1 44 8		
/ Liver C	560	
24 Shall		TD
		-
		-
Core		
	4464	
45 Sand	492	_ Solid - great oil Show
2 Sind & Sind Je	494	broken-god cil in sand
6 Sandy shele	500	
	··	
-4-		-5-

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		REMI	ГТО			MAIN OFFICE	
PRESSURE PU		QES Pressure Pumping LLC Dept:970 P.O.Box 4346 Houston,TX 77210-4346			P.O.Box884 Chanute,KS 66720 620/431-9210,1-800/467-8676 Fax 620/431-0012		
Invoice				Invoice#	811	788	
Invoice Date: 11/	======================================	 Τε	erms: Net 30		Page	1	
ALTAVISTA ENERG	Y INC						
PO BOX 128 WELLSVILLE KS 6 USA 7858834057	6092		WIN	DLER #AI-41			
=======================================							
Part No	Description		Quantity	Unit Price	Discount(%)	Total	
CE0450	Cement Pump Charge 0 -		1.000	1,500.0000	50.000	750.00	
CE0002	Equipment Mileage Charge Equipment	e - Heavy	30.000	7.1500	50.000	107.25	
CE0711	Minimum Cement Delivery	Charge	1.000	660.0000	50.000	330.00	
WE0853	80 BBL Vacuum Truck (Ce Services)	ment	2.500	100.0000	50.000	125.00	
CC5840	Poz-Blend I A (50:50)		75.000	13.5000	50.000	506.25	
CC5965	Bentonite		226.000	0.3000	50.000	33.90	
CC5326	Sodium Chloride, Salt		158.000	1.0000	50.000	79.00	
CC6128	Mud Flush - C		0.500	50.0000	50.000	12.50	
CP8176	2 7/8" Top Rubber Plug		1.000	45.0000	50.000	22.50	
CC6077	Kolseal		375.000	0.5000	50.000	93.75	
					Subtotal	4,120.30	
				Discounte	ed Amount	2,060.15	
				SubTotal Afte	r Discount	2,060.15	
				Amount [Due 4,239.96 lf p	aid after 12/27/17	
					Tax:	59.83	
					Total:	2,119.98	
						=======================================	

0				Or	5/	/	E a c	1 7
				45	LAUS	TICKET NU	MBER 539	11
		2		1-	4343	LOCATION	Offaura K	5
						FOREMAN	Fred Ma	der
PO Box 884	RE PUMPING LLC , Chanute, KS 667 210 or 800-467-867	20	ELD TICKET	& TREA	T <mark>MENT</mark> REPO	ORT M	voice#81	1788
DATE	CUSTOMER #	WE	LL NAME & NUME		SECTION	TOWNSHIP	RANGE	COUNTY
11-20-17	3244	Windler	* A I- 41		NW 21	18	24	mi
CUSTOMER		~			un al an	er væster statet fantet i Statet statet statet		
	avista E	nargy In			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDR	-				712	Fre Mat		
P.0.	Bry 128		1712 0005		.495	Harlec	1	
CITY		STATE	ZIP CODE		675	KUDA	1	
wells	<i>fle</i>	KS	66092		558	Miktea	And the second se	
JOB TYPE	nestric	HOLE SIZE		HOLE DEPTH		CASING SIZE	& WEIGHT 27	EUE
CASING DEPTH	571	DRILL PIPE	Battle in	TUBING Q	540'		OTHER	
SLURRY WEIG	нт	SLURRY VOL		WATER gal/sl	(CEMENT LEFT	「in CASING <u>. ろ/</u>	+ Plus
DISPLACEMEN	T_3.1480	DISPLACEME	NT PSI	MIX PSI		RATE 48	Pm	0
REMARKS:	hald sat	Fety me	XIV E	stablis	h Pumo	rate.	Puma 1/2 (ial
Mu	Flush	"C'* Ci	redicte	Well	to cond	ition 1	note, N	17
Y Pu	100 th	Ged F	Jush.	nix P.	72 5	44 Por	Bland IA	
Can	+ 2%	(l 5°	10 Salt 5	# Hal S	eal ISK.	Cement	to Susta	
	h Ashad	+ 1540 c	clean. I) SALaco	2%" P.	spher 1	lue to	
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LEOTIL .	Minir	Mora	Ton n	Hiles De 96 Vac	livery	50	58 6600	1
WE0853	· · · · ·	zishes	80 81	96 Vac	Truck	67		1
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					Less 30			131235
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CC 5326	<u> </u>	155	Salt				15820	/
CC 6077		375	KolSa	al	- 1		187 50	ļ
CC 6128	<u> </u>	155# 375# 2 Gal	mud	Flusk	C		2500	J
CP 8176	1	<u> </u>	2%" A	lobber	Plug		4500	
					Jub 1		1495.00	
					hes	\$ 50%		74720
						•		
						0.01		50 83
Paulo 2727						8%	SALES TAX	5983
Ravin 3737						8*/0	SALES TAX ESTIMATED TOTAL	59 57 2119 98 (4239 96

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.