

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1104807

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:		Sec	TwpS. R 🗌 East 🗌 West
Address 2:		Fe	eet from North / South Line of Section
City: State: Zip:	+	Fe	eet from East / West Line of Section
Contact Person:		Footages Calculated from I	Nearest Outside Section Corner:
Phone: ()			
CONTRACTOR: License #			
Name:			Well #:
Wellsite Geologist:			vven #
-			
Purchaser:			
Designate Type of Completion:			Kelly Bushing:
New Well Re-Entry	Workover	Total Depth: Plu	ug Back Total Depth:
Oil WSW SWD	SIOW	Amount of Surface Pipe Se	et and Cemented at: Feet
Gas D&A ENHR	SIGW	Multiple Stage Cementing	Collar Used? 🗌 Yes 🗌 No
☐ OG ☐ GSW	Temp. Abd.	If yes, show depth set:	Feet
CM (Coal Bed Methane)		If Alternate II completion, c	ement circulated from:
Cathodic Other (Core, Expl., etc.):		feet depth to:	w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:			
Operator:		Drilling Fluid Managemer	at Blan
Well Name:		(Data must be collected from th	
Original Comp. Date: Original Tota	al Depth:	Oblarida contenti	ppm Fluid volume: bbls
Deepening Re-perf. Conv. to E	NHR Conv. to SWD		
Conv. to G	SW	Dewatering method used: _	
Plug Back: Plug I Plug	Back Total Depth	Location of fluid disposal if	hauled offsite:
Commingled Permit #:		Operator Name	
Dual Completion Permit #:			License #:
SWD Permit #:			
ENHR Permit #:			TwpS. R East West
GSW Permit #:		County:	Permit #:
	Completion Date or 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

KCC Office Use ONLY
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

	Side Two	1104807
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 N	0			n (Top), Depth and		Sample
Samples Sent to Geolog	gical Survey	Yes N	0	Name			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ N ☐ Yes ☐ N ☐ Yes ☐ N	0					
List All E. Logs Run:								
		CAS	SING RECORD	New	/ Used			
		Report all strings	set-conductor, sur	face, inter	mediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weigh Lbs. / F		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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	:e:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed P	Producti	on, SWD or ENHF	₹.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF G	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit A	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Subr	nit ACO	-18.)		Other (Specify)						

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

Douglas County, KS Well: Mary Bell A-23 Lease Owner:AltaVista

Town Oilfield Service, Inc. (913) 837-8400

Commenced Spudding: 8/24/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
0-11	Soil-Clay	11
142	Shale	153
5	Lime	158
8	Shale	166
13	Lime	179
7	Shale	186
9	Lime	195
5	Shale	200
22	Lime	222
30	Shale	252
17	Lime	269
74	Shale	343
23	Lime	366
17	Shale	383
7	Lime	390
25	Shale	415
15	Lime	430
7	Shale	437
1	Lime	438
12	Shale	450
25	Lime	475
6	Shale	481
23	Lime	504
4	Shale	508
4	Lime	512
5	Shale	517
5	Lime	522
174	Shale	696
5	Lime	701
41	Shale	742
3	Lime	745
18	Shale	763
3	Lime	766
22	Shale	788
1	Lime	789
3	Shale	792
4	Shale and Lime	796
3	Sandy Shale	799
19	Core	818
82	Sandy Shale	900-TD

	Core	
		79
4	Sand & Sandy Shale	80
	Sand	80
	Sand	8.
4	Sand	8
	and the second	

Short Cuts

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

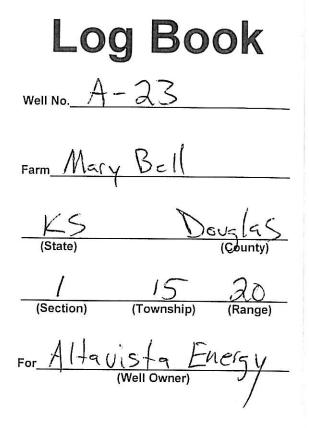
* D - Diameter of Pump Sheave * d - Diameter of Engine Sheave SPM - Strokes per minute RPM - Engine Speed R - Gear Box Ratio

*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 TO FIGURE AMPS: VOLTS 746 WATTS equal 1 HP



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

Mary Bell Farm: Dovalas County
LS State; Well No. A-23
Elevation 1034
Commenced Spuding <u>HVG 24</u> 20 12
Finished Drilling 405 20 20
Driller's Name WESTEY Dollard
/ / Driller's Name
Driller's Name
Tool Dresser's Name Ryan Ward
Tool Dresser's Name <u>LOIT PHONE</u>
Tool Dresser's Name
Contractor's NameTOS
1 15 20
(Section) (Township) (Range) く つこぐへ
Distance from \underline{S} line, $\underline{2380}$ ft.
Distance from <u>E</u> line, <u>2805</u> ft.
5 sacks
lore
14 h15
CASING AND TUBING
RECORD

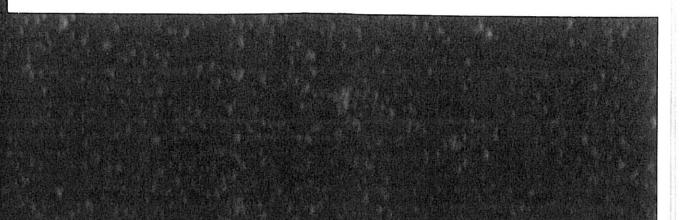
CASING AND TUBING MEASUREMENTS

Feet	ln.	Fe	eet	In.	Feet	In.
793.	85	5	ca.	Fv	ipple	-
					1	
825.	70	۱ ۱	Ba	\uparrow	10	
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857.	15		10	at	2	la
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					10	

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Thickness of Strata	Formation	Total Depth	Remarks
0-11	Soil-clay	11	
142	Shale	153	
5	Lime	158	
8	Shale	166	
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17	Lime.	269	
74	Shell-e	343	
23	Lime	366	-
17	Shale	383	
7	Lime	390	
25	Shale	415	
15	Lime	430	
7	Shale	437	
1	Lime	438	
12	shal-e	450	
25	Lime	475	
6	Shale	481	
23	Lime	504	
4	shabe	508	
4	Lime	512	
5	Shale	517	
5	Lime	522	Heitha
	-2-		-3-



			~ ~ ~	
Strate Pornation Depth Remarks 174 $5hale$ 696 972 $5lime$ 701 9742 $3lime$ 742 $3lime$ 745 18 $5hale$ 742 $3lime$ 745 18 $5hale$ 763 $3lime$ 766 22 $5hale$ 7642 $3lime$ 766 $3shale$ 7642 $4lsshale$ 7642 $3sudy shale$ 799 82 $5andy shale$ 700 82 $5andy shale$ 900 100 $7D$ 100 100 100 100 100 100 100 100 100 100 100 100 <td< th=""><th>Thicknoss of</th><th>T -</th><th>522</th><th>-</th></td<>	Thicknoss of	T -	522	-
$ \frac{5 \ Lime}{11 \ Shale} 742 \\ \frac{41 \ Shale}{742} 745 \\ \frac{3 \ Lime}{745} 745 \\ \frac{18 \ Shale}{742} 745 \\ \frac{18 \ Shale}{742} 746 \\ \frac{23 \ Shale}{742} 742 \\ \frac{4 \ Shale}{742} 746 \\ \frac{4 \ Shale}{742} 746 \\ \frac{4 \ Shale}{742} 746 \\ \frac{3 \ Shale}{742} 746 \\ \frac{3 \ Shale}{742} 746 \\ \frac{3 \ Shale}{742} 746 \\ \frac{74 \ Shale}{742} \\ 7$	<u>Strata</u>	Formation	Depth	Remarks
41 Shale 742 3 Lime 745 18 Shale 766 22 Shale 788 1 Lime 788 1 Lime 788 3 Shale 766 3 Shale 764 3 Shale 764 4 Shale 764 3 Shale 764 3 Shale 764 3 Shale 764 3 Shale 769 19 Corte 813 82 Sandy Shale 900 7D	174	shale	696	
$ \frac{3 \text{ Lime}}{3 \text{ Shalle}} 745 $ $ \frac{3 \text{ Shalle}}{3 \text{ Shalle}} 766 $ $ \frac{3 \text{ Shalle}}{3 \text{ Shalle}} 789 $ $ \frac{3 \text{ Shalle}}{3 \text{ Shalle}} 799 $ $ \frac{4 \text{ Shalle}}{3 \text{ Shalle}} 799 $ $ \frac{799}{16 \text{ Colle}} 818 $ $ \frac{82 \text{ Sandy Shalle}}{900} 70 $ $ \frac{19 \text{ Colle}}{19 \text{ Colle}} 918 $ $ \frac{100 \text{ TD}}{19 \text{ Colle}} $	5	Lime	701	7
18 Shale 763 3 Lime 766 22 Shale 789 3 Shale 762 4 Shale 764 3 Shale 762 4 Shale 764 3 Shale 762 4 Shale 769 3 Shudy Shale 799 19 Corle S13 82 Sandy Shale 900 70 TD 10	41	Shale	742	
3 Lime 766 22 Shale 788 1 Lime 789 3 Shale 742 4 Shale 742 3 Shale 766 3 Shale 764 3 Shale 769 10 10 00 11 10 100 12 Shale 100 13 Sandy Shale 100 14 Colle 313 52 Sandy Shale 100 14 Colle 110 15 Sandy Shale 100 16 100 TD 17 100 11 18 100 11 19 100 11 10 100 11 10 100 11 10 100 11 10 100 11 10 100 11 10 100 11 10 100 11 </td <td>3</td> <td>Lime</td> <td>745</td> <td></td>	3	Lime	745	
3 Lime 766 22 Shale 788 1 Lime 789 3 Shale 742 4 Shale 742 4 Shale 742 3 Saudy Shale 799 19 Colle \$18 82 Saudy Shale 900 7D TD	18	Shale	763	
22 shale 788 1 Lime 789 3 shale 799 3 shale 799 no 0:1 19 Core 315 82 sandy shale 900 TD 	3		766	
1 Lime 789 3 shale 792 3 shale 799 19 corre 813 82 sandy shale 900 75 75 82 sandy shale 900 75 75 75 82 sandy shale 900 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75	22			-
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<u>3</u> Sandy shale 799 no 6:1 19 core 3:13 82 sandy shale 900 TD 	ÿ		a second s	·
19 corie \$13 \$2 sandy shale 900	3		799	no Bil
82 sandy shale 900 TD	19		818	
	82		1.000	TN
		study since		
	(
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		1		



Core

<u>Strata</u> <u>Pormanon</u> <u>Depth</u> <u>Remarks</u> 799 <u>4</u> Sand & Sandy Shale 803 Groken 50% 61	-		Total		Thickness of
4 Sand & Sandysbule 803 Groken 50% 61 6 Sand 809 Solid 0.1 - good sectorative 5 Sand 814 laminated - 20% 01		Remarks	Depth	Formation	Strata
6 sand 809 solid 0.1-good scituration 5 sand 814 laminated - 20% 01					
6 sand 809 solid 0.1-good scituration 5 sand 814 laminated - 20% 01	<u> </u>	6roken 50% 61	803	Sand & sandy shale	- 4
5 sand 1814 laminated - 20% Oil	ain Da				
	\	laminated - 20% Oil	\$14	Sand	- /
			815	<u> </u>	Ч
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Image:					
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		0			
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CONSOL Oil Well Ser	AN OWNER OF AN OWNER PROPERTY.	REMIT Consolidated Oil We Dept. 9 P.O. Box Houston, TX 7	620/431-9210 ·	MAIN OFFICE P.O. Box 884 inute, KS 66720 1-800/467-8676 x 620/431-0012		
INVOICE				Invoice #	252439	
Invoice Date: 08/30	:========)/2012 т	erms: 0/0/30,n/3	=======================================			
				P.	age 1	
ALTAVISTA ENERGY INC MARY BELL A-23 4595 K-33 HIGHWAY 39562 P.O. BOX 128 1-15-20 WELLSVILLE KS 66092 08-28-2012 (785)883-4057 KS						
	========					
Part Number 1124 1118B 1111 1110A 4402 1401	PREMIUM SODIUM C KOL SEAL	Z CEMENT MIX GEL / BENTONITE HLORIDE (GRANULA (50# BAG) UBBER PLUG	116.00 295.00 225.00 580.00	.3700	Total 1270.20 61.95 83.25 266.80 28.00 23.63	
Description 495 CEMENT PUMP 495 EQUIPMENT MILE 495 CASING FOOTAGE 503 MIN. BULK DELT 675 80 BBL VACUUM	VERY		Hours 1.00 25.00 857.00 1.00 2.00	.00	Total 1030.00 100.00 .00 350.00 180.00	

 Parts:
 1733.83 Freight:
 .00 Tax:
 126.57 AR
 3520.40

 Labor:
 .00 Misc:
 .00 Total:
 3520.40

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

Signed

BARTLESVILLE, OK EI 918/338-0808 3

EL DORADO, KS 316/322-7022 EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303

OAKLEY, KS 785/672-2227 OTTAWA, KS 785/242-4044

Date



TICKET	NUMBER	39562

LOCATION Oftawa FOREMAN Fred Man

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

~	-	B.4			-
С	С	M	E	ſN	

DATE	CUSTOMER #	WELL NA	ME & NUM	IBER	SECTION	TOWNSHIP	RANGE	COUNTY	
8/28/12	3244	Mary Be	ll #	A.23	Sw /	15	20	DG	
CUSTOMER		K			。而常用是自由。	二、而於空川和门市	Length		
Alta	vista E	nergy			TRUCK #	DRIVER	TRUCK #	DRIVER	
MAILING ADDRE	ESS	6			504	Fremad	Safety	ma	
45 9	15 33	Highway			495	Nar Bec	NB	0	
CITY	1		CODE		675	Ke: Det	KD		
Wells	and the second		6092		503	Daw Det	DD		
JOB TYPE ho	ngstring	HOLE SIZE	518	HOLE DEPTH	900'	CASING SIZE & W	EIGHT_278	EVE	
CASING DEPTH	CASING DEPTH & ST & DRILL PIPE BOFFIC IN TUBING @ 826 OTHER								
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 2/2 Plus + 31									
DISPLACEMENT 4.8 BB DISPLACEMENT PSI MIX PSI RATE 53PM.									
REMARKS: Establish pump rate. Mix+ Pump 12 Gal HE.100 Polymer									
Circulate to condition hole. Mix + PUMB 100# Gel Fluch.									
Mix+ Pump 116 SKS 50/50 Por Mix Coment 2% bel 5%									
Salt 5th KolSeal/sk. Cement to Surface. Flush Dump									
+ lines clean. Displace 2's" Rubber plus to battle in									
Casing, Prossure to 500 RS1. Release pressure to sat									
Flost Value, Shut in casing									
v									
-10	5 Drilli	y · Wes				Fuel Ma	den		

Tos Drilling - Wes

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PROD	рист	UNIT PRICE	TOTAL
5401	/	PUMP CHARGE	495		103000
5406	25m;	MILEAGE	495		100-0
5402	857	Casing Footage			ulc
5407	Minimum	Ton Miles	503		30000
5502C	Zhrs	80 BBL Vac Truck	675		18-099
1/24	116 SKS	50/50 Por Mix Cement			127030
1118-3	2954	Promin Gel			6195
111	2254	Grand lated Salt			6355
110A	580#	Kol Sal			266 =
4402	/	22 "Rubber Phy			2800
1401	1/2 Gal	HE 100 Poly merd			2363
	•••			1	alad
			mover P		
			1.8	Com.L.	1
			7.39	SALES TAX	126 57
Ravin 3737		Π		ESTIMATED TOTAL	3520 40

Dellart AUTHORIZTION Mert

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

TITLE

252439

DATE