

### Kansas Corporation Commission Oil & Gas Conservation Division

#### 1104811

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:	SecTwpS. R
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: ()	□NE □NW □SE □SW
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: sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:   Deepening Re-perf. Conv. to ENHR Conv. to SWD   Conv. to GSW	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
☐ ENHR         Permit #:           ☐ GSW         Permit #:	County: Permit #:
Spud Date or Date Reached TD 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 III Approved by: Date:						

Side Two



Operator Name:				Lease l	Name: _			_ Well #:		
Sec Twp	S. R	East	West	County	:					
<b>INSTRUCTIONS:</b> She time tool open and clo recovery, and flow rate line Logs surveyed. A	sed, flowing and shues if gas to surface to	t-in pressures st, along with	s, whether s final chart(s	hut-in press	sure read	ched static level,	hydrostatic press	sures, bottom h	nole temp	erature, fluid
Drill Stem Tests Taken (Attach Additional S		Yes	No			og Formatio	n (Top), Depth ar	nd Datum	;	Sample
Samples Sent to Geol	ogical Survey	Yes	No		Nam	е		Тор	[	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy		Yes Yes Yes	No No No							
List All E. Logs Run:										
		Report a		RECORD	Ne	w Used	on, etc.			
Purpose of String	Size Hole Drilled	Size C Set (In		Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used		and Percent dditives
		Δ	ADDITIONAL	CEMENTIN	NG / SQL	    EEZE RECORD				
Purpose:	Depth	Type of (			# Sacks Used Type and Percent Additives					
Perforate Protect Casing	Top Bottom									
Plug Back TD Plug Off Zone										
1 ldg 011 20110										
Shota Par Foot	PERFORATI	ON RECORD -	- Bridge Plug	s Set/Type		Acid, Fra	cture, Shot, Cemen	t Squeeze Recor	d	
Shots Per Foot	Specify	Footage of Each	h Interval Perf	orated		(Ai	mount and Kind of Ma	aterial Used)		Depth
TUBING RECORD:	Size:	Set At:		Packer A	t:	Liner Run:	Yes No			
Date of First, Resumed	Production, SWD or EN	_	roducing Meth	nod:	g 🗌	Gas Lift C	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er B	bls.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:	'	ħ.	METHOD OF	COMPLE	TION:		PRODUCTION	ON INTER	VAI ·
Vented Sold		Oper	n Hole	Perf.	Dually	Comp. Cor	nmingled			
(If vented, Sub		O+b-	or (Specify)		(Submit )	ACO-5) (Sub	mit ACO-4)			

Dougals County, KS Well: Mary Bell AI-20 Lease Owner:AltaVista

## Town Oilfield Service, Inc. Commenced Spudding: (913) 837-8400

8/3/2012

### WELL LOG

Thickness of Strata	Formation	Total Depth
0-15	Soil-Clay	15
4	Wet Clay	19
143	Shale	162
5	Lime	167
6	Shale	173
15	Lime	188
7	Shale	195
7	Lime	202
7	Shale	209
23	Lime	232
13	Shale	245
7	Lime	252
5	Shale	257
19	Lime	276
74	Shale	350
23	Lime	373
17	Shale	390
7	Lime	397
24	Shale	421
16	Lime	437
7	Shale	444
2	Lime	446
6	Shale	452
29	Lime	481
7	Shale	488
24	Lime	512
4	Shale	516
4	Lime	520
5	Shale	525
5	Lime	530
173	Shale	703
5	Lime	708
6	Shale	714
4	Lime	718
8	Shale	726
8	Lime	734
15	Shale	749
3	Lime	752
20	Shale	772
1	Lime	773

Lease Owner:AltaVista

Dougals County, KS Town Oilfield Service, Inc. Commenced Spudding: Well: Mary Bell AI-20 (913) 837-8400 8/3/2012

15	Shale	788
12	Shale and Lime	800
2	Lime	802
11	Sh	813
5	Sandy Shale	818
1	Sand	819
19.5	Core	838.5
1.5	Sand	840
100	Shale	940-TD
		· · · · · · · · · · · · · · · · · · ·
1000		

- Name of the last	Core	
		819
0.5	Sand	819.5
1	Sand	820.5
1	Sand	821.5
1	Sand	822.5
1	Sand & Sandy Shale	823.5
4.5	Sand	828
1.5	Sand & Sandy Shale	829.5
9	Sand	838.5
Color Colores		

# 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) +  $(D-d)^2$ 

\* Need these to figure belt length

TO FIGURE AMPS:

WATTS = AMPS

746 WATTS equal 1 HP

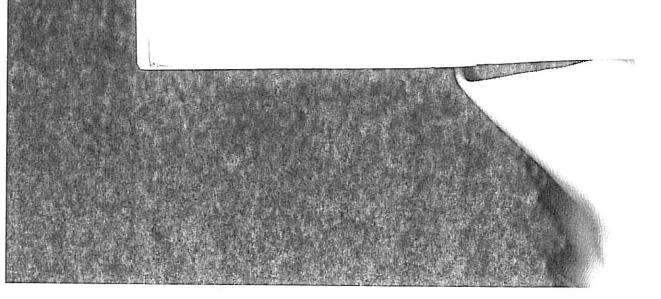
Log Book Well No. AI-20

Farm Mary Bell

For Altavista Energy (Well Owner)

Town Oilfield Services, Inc. 1207 N. 1st East

Louisburg, KS 66053 913-710-5400



Mary Bell Farm: Dougles County KS State; Well No. At-20	CASING AN	ND TUBING MEAS	UREMENTS	
10/10	Feet In.	Feet In.	Feet	ln.
Elevation 1043	91000	12	1 001	
Commenced Spuding Aug 5 20 12	069,70		-17	
Finished Drilling Aug 20/2	901.35	T/		
Driller's Name Wisley Dollard	101. 23	1.109-1		7/
Driller's Name			29	<del>/</del>
Driller's Name				0
Tool Dresser's Name Ryan Ward				
Tool Dresser's Name Colt Stone				
Tool Dresser's Name				
Contractor's Name				
1 15 20				
(Section) (Township) (Range)				
Distance from line, 2415ft.				
Distance from line,3 435ft.			-	
5 sacks				
10012				
15 Krs				<u> </u>
CASING AND TUBING				
RECORD				
· · · · · · · · · · · · · · · · · · ·				
				7.0
10" Set 10" Pulled				-
8" Set 8" Pulled				
7 (%" Set 42 61/4" Pulled				
4" Set 4" Pulled				
2" Set 2" Pulled		_1_		

Thickness of	Formation	Total	
0 - 15	Soil-clay	Depth 15	Remarks
<del>U</del> <u>U</u>	wet clay	19	
143	shale!		- water
	Lime	162	
- S	Silo	167	-
	Shale	173	
	Lime	188	
	Shale	195	
	Lime	202	
7	Shale	209	
23	Lime	232	
	Shale	245	
	Lime	252	
5	Shale	257	
19	Lime	0.76	
74	Shale	350	
23	Lime	373	
17	Shale	390	
7	Lime	397	
24	Shall	421	
16	Lime	437	
フ	Shale	444	
2	Lime	446	
6	Shale	452	
29	Lime	481	
フ	Shabe	488	
24	Lime	512	
4	Shale	516	
	-2-		

		516	
Thickness of Strata	Formation	Total Depth	Remarks
4	lime	520	
5	Shorte	525	
5	Lime	530	Hertha
173	Shell-e	703	1121 41 64
5	Lime	708	
6	Shale	714	
4	Lime	718	
8	Shale	726	
8	Lime	734	
15	shale	749	
3	Lime	752	
<u> 20</u>	Shale	ファス	
	Lime	773	
15	shale	788	
12	shale & lime	800	
2	Lime	802	
	shale	813	
5	sandy shale	818	
	Sand	819	oder - no shew
19.5	Core	838.5	2
1.5	Sand	840	solid oil - per+
100	shale	940	TD

-5-

CO12

	201		
Thickness of Strata	Formation	Total Depth	Remarks
		819	
. 5	Sand	814.5	610ken 25% 0:1
	sand	820.5	solid Oil
	Sano	821.5	75% Oil Spert
	sand	822.5	solid DIL
	sand & sandy Shale	8335	50% Dil
4.5	sand.	828	solid Dil
1.5	sand & sandy shale	829.5	25% 011
9	Sand	838.5	solid Oil
			819.5-821.5-grayish smalls like old return water
			Smells like old return water
-			822.5 -823.5
			grayish - smells like old return water
			old return water
			829.5 - 834.5
			grayish - smells like old return water
			old return water
	-6-		-7-



#### **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 #

251905

Invoice Date: 08/14/2012 Terms: 0/0/30,n/30

Page

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

T-106 WATER TRANSPORT (CEMENT)

MIN. BULK DELIVERY

MARY BELL AI-20 37444 1-15-20 08-07-2012 KS

Part Number Description Qty Unit Price Total 1124 50/50 POZ CEMENT MIX 114.00 10.9500 1248.30 1118B PREMIUM GEL / BENTONITE 292.00 .2100 61.32 1111 SODIUM CHLORIDE (GRANULA .3700 220.00 81.40 1110A KOL SEAL (50# BAG) 570.00 .4600 262.20 .50 1401 HE 100 POLYMER 47.2500 23.63 4402 2 1/2" RUBBER PLUG 1.00 28.0000 28.00 Description Hours Unit Price Total 368 CEMENT PUMP 1030.00 1.00 1030.00 368 EQUIPMENT MILEAGE (ONE WAY) 25.00 4.00 100.00 368 CASING FOOTAGE 901.00 .00 .00

Parts: .00 Tax:

Labor:

510

1704.85 Freight:

.00 Total:

124.46 AR

3533.31

224.00

350.00

Sublt:

.00 Misc: .00 Supplies:

3533.31

2.00

1.00

112.00

350.00

.00 Change:

Signed

Date



TICKET NUMBER_	37444			
LOCATION D+	-awg			
FOREMAN	us Mader			

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

# FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER#	WELL	NAME & NUME	BER	SECTION	TOWNSHIP	RANGE	COUNTY
8-7-12	3244	Mary C	Bell A	1.20	SW 1	15	20	106
CUSTOMER	WA FI	· · · · /			allog is the Gibbs		HE SHIP SHE	SOMOREHUK, TO
MAILING ADDRI	15/9 1-48	<del>- 57</del>		1	TRUCK#	DRIVER	TRUCK#	DRIVER
1 8.0 B	x 128	i i			3,0	1719/191	STELY	Meet
CITY	20	STATE	ZIP CODE	1	505 /TIOG	7751.1451	1100	+
Wolksw	11/2	155	66092		510	Jas Aic	Z	<del> </del>
JOB TYPE /	15 Stain	HOLE SIZE	55/8	J . HOLE DEPTH	9412	CASING SIZE & V	VEIGHT 27	78
CASING DEPTH	\ \ \ \ \ \ \ \ \	DRILL PIPE		_TUBING		CASING SIZE & V	OTHER By	Pr 869
SLURRY WEIGH		SLURRY VOL	Victorian de la composition della composition de	WATER gal/s	k	CEMENT LEFT In	3730	
DISPLACEMENT	<u> </u>	DISPLACEMENT	PSI BDO	MIX PSI 2		RATE 46	Day .	3
REMARKS: H.	١٨.	ew ME	et.	FILL	61:5600	rate	Mixe	Q of
QUMPP	Q 1/2 51	al Rolyn	ien +1	120 # 56	el to c	puditi	000 40	10.
Mixed	+ pum	ped 1	14.5K	50150	COMIE	1+ plus	5# 16	ol-Seul,
590 50	alt 201	ogel 1	Der 51	- 7	rculati	ed cer	neut.	21 July
Flush	I pun	p. Pin	sped	plug	to cas	Sinc Ti	D. W	11
here	800 P51	- Set	+loa	t. "C/	osed v	4(30.		
		- 1						
<u> TD5 </u>	Wes_							
						A 1	11	20
ACCOUNT						1- Jan	1000	
CODE	QUANITY (	or UNITS	DES	SCRIPTION of	SERVICES or PRO	DUCT	UNIT PRICE	TOTAL
5401			PUMP CHARGE	E		368		1030,00
5406	2	5	MILEAGE			368		100.00
5402	90	(	Cas!	is fo	otage	368		
5407	Min		ton	mile	5	317		350,00
55016			Trans	port		T106		224,00
								-
1124			30150	Lent	nt			1248.30
1118B	290	2#	991				-	61.32
100	220	世	3914		7 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			81.40
WOA	570	24	KO(Se	al.				26220
1401	1/2	sal	polym					23.63
4402			2/201	45				28.00
					- 1			n I
							a a ma mi	ener
		F-10.	100			TO A		
						المستلحا	ш	,
						١.		10.1
Pavin 3737	110000	11 DOLLY	SPA		<u> </u>		SALES TAX	124.46
	NO COU Jin	7	rcp				ESTIMATED TOTAL	3533.31
AUTHORIZTION_	Jim	UK D		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