



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

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.

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: _____ 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. 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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Douglas County, KS
Well: Mary Bell A-21
Lease Owner: AltaVista

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

Commenced Spudding:
8/9/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
0-6	Soil-Clay	6
1	Lime	7
7	Clay	14
4	Lime	18
141	Shale	159
5	Lime	164
8	Shale	172
14	Lime	186
7	Shale	193
8	Lime	201
6	Shale	207
22	Lime	229
22	Shale	251
23	Lime	274
13	Shale	287
1	Lime	288
61	Shale	349
22	Lime	371
14	Shale	385
8	Lime	393
25	Shale	418
16	Lime	434
7	Shale	441
1	Lime	442
13	Shale	455
22	Lime	477
6	Shale	483
24	Lime	507
4	Shale	511
4	Lime	515
4	Shale	519
7	Lime	526
173	Shale	699
6	Lime	705
6	Shale	711
1	Lime	712
12	Shale	724
6	Lime	730
16	Shale	746
3	Lime	749

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals $BPH \times PSI \times .0004$

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 - $RPM \times d$ over $SPM \times R$

d - $SPM \times R \times D$ over RPM

SPM - $RPM \times D$ over $R \times d$

R - $RPM \times D$ over $SPM \times d$

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

* Need these to figure belt length

TO FIGURE AMPS: $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

Log Book

Well No. A-21

Farm Mary Bell

KS Douglas
(State) (County)

1 15 20
(Section) (Township) (Range)

For Altavista Energy
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Mary Bell Farm: Douglas County
KS State; Well No. A-21
 Elevation 1040
 Commenced Spuding Aug 9, 2012
 Finished Drilling Aug 13, 2012
 Driller's Name Wesley Dellard
 Driller's Name _____
 Driller's Name _____
 Tool Dresser's Name Ryan Ward
 Tool Dresser's Name Colt Stone
 Tool Dresser's Name _____
 Contractor's Name TOS
1 15 20

(Section) (Township) (Range)
 Distance from S line, 2105 ft.
 Distance from E line, 3440 ft.

5 sacks
 1 core
 14 hrs

**CASING AND TUBING
 RECORD**

10" Set _____ 10" Pulled _____
 8" Set _____ 8" Pulled _____
 7 3/4" Set 43 6 3/4" Pulled _____
 4" Set _____ 4" Pulled _____
 2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
817.55		Seat			
849.45		Baffle			
880.95		Float			<u>27/8</u>

Thickness of Strata	Formation	Total Depth	Remarks
0-6	Soil-clay	6	
1	Lime	7	
7	clay	14	
4	Lime	18	
141	Shale	159	
5	Lime	164	
8	Shale	172	
14	Lime	186	
7	Shale	193	
8	Lime	201	
6	Shale	207	
22	Lime	229	
22	Shale	251	
23	Lime	274	
13	Shale	287	
1	Lime	288	
61	Shale	349	
22	Lime	371	
14	Shale	385	
8	Lime	393	
25	Shale	418	
16	Lime	434	
7	Shale	441	
1	Lime	442	
13	Shale	455	
22	Lime	477	
6	Shale	483	

483

Thickness of Strata	Formation	Total Depth	Remarks
24	Lime	507	
4	Shale	511	
4	Lime	515	
4	Shale	519	
7	Lime	526	Hertheg
173	Shale	699	
6	Lime	705	
6	Shale	711	
1	Lime	712	
12	Shale	724	
6	Lime	730	
16	Shale	746	
3	Lime	749	
21	Shale	770	
1	Lime	771	
15	Shale	786	
15	Shale & Lime	801	
1	Lime	802	
22	Shale	824	
1	sand	825	50% oil - perf
13.5	core	838.5	
81.5	Shale	920	TD



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 # 252076

Invoice Date: 08/16/2012 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

MARY BELL A-21
37475
1-15-20
08-13-2012
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	117.00	10.9500	1281.15
1118B	PREMIUM GEL / BENTONITE	297.00	.2100	62.37
1111	SODIUM CHLORIDE (GRANULA	226.00	.3700	83.62
1110A	KOL SEAL (50# BAG)	585.00	.4600	269.10
1401	HE 100 POLYMER	.50	47.2500	23.63
4402	2 1/2" RUBBER PLUG	1.00	28.0000	28.00

Description	Hours	Unit Price	Total
368 CEMENT PUMP	1.00	1030.00	1030.00
368 EQUIPMENT MILEAGE (ONE WAY)	25.00	4.00	100.00
368 CASING FOOTAGE	881.00	.00	.00
369 80 BBL VACUUM TRUCK (CEMENT)	2.50	90.00	225.00
558 MIN. BULK DELIVERY	1.00	350.00	350.00

Parts: 1747.87 Freight: .00 Tax: 127.58 AR 3580.45
Labor: .00 Misc: .00 Total: 3580.45
Sublt: .00 Supplies: .00 Change: .00

Signed _____ Date _____

BARTLESVILLE, OK
918/338-0808

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

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 37475

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
8-13-12	32441	Mary Bell A-21	SW 1	15	20	De
CUSTOMER Alta Vista Energy			TRUCK #			
MAILING ADDRESS P.O. Box 128			DRIVER			
CITY Wellsville		STATE KS	ZIP CODE 66092	TRUCK #	DRIVER	
			316	Ala Mader	Safety Meet	
			368	Carl McW	AKM	
			369	Der Mas	DM	
			558	Bre Man	BM	

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 920 CASING SIZE & WEIGHT 2 7/8
 CASING DEPTH 881 DRILL PIPE _____ TUBING _____ OTHER baffle 849
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
 DISPLACEMENT 5 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Held crew meet. Established rate. Mixed & pumped 1/2 gal polymer to condition well followed by 100# gel. Mixed & pumped 117 sk 5D150 cement plus 5% salt, 2% gel, 5# kol seal per sack. Circulated cement. Flushed pump. Pumped plug to baffle. well held 800 PSI. Set float closed valve.

TOS. Was

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1030.00
5406	25	MILEAGE		100.00
5402	881	casing footage		
5407	10.1	ten miles		350.00
5502G	2 1/2	80 gal		235.00
1127	117	5D150 cement		1281.15
1118J3	297 #	gel		62.37
1111	226 #	salt		83.62
1110A	585 #	kol seal		269.10
1401	1/2 gal	polymer		23.63
4402	1	2 1/2 plug		28.00
SALES TAX ESTIMATED				127.58
TOTAL				3580.45

COMPLETED

Ravin 3737
 AUTHORIZATION Jim DED TITLE _____ DATE _____
NO COMPANY req

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

252076