



KANSAS CORPORATION COMMISSION 1104814
OIL & GAS CONSERVATION DIVISION

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 # _____

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Douglas County, KS
Well: Mary Bell AI-23
Lease Owner: AltaVista

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

Commenced Spudding:
8/22/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
0-3	Soil-Clay	3
1	Lime	4
8	Clay	12
5	Lime	17
145	Shale	162
4	Lime	166
8	Shale	174
12	Lime	186
9	Shale	195
7	Lime	202
6	Shale	208
21	Lime	229
29	HS	258
17	Lime	275
75	Shale	350
22	Lime	372
17	Shale	389
8	Lime	397
25	Shale	422
14	Lime	436
8	Shale	444
1	Lime	445
12	Shale	457
25	Lime	482
8	Shale	490
22	Lime	512
4	Shale	516
4	Lime	520
4	Shale	524
7	Lime	531
173	Shale	704
6	Lime	710
16	Shale	726
3	Lime	729
20	Shale	749
3	Lime	752
20	Shale	772
3	Lime	775
14	Shale	789
2	Lime	791

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 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 - $RPM \times d$ 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. AI-23

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

Thickness of Strata	Formation	Total Depth	Remarks
0-3	soil-clay	3	
1	Lime	4	
8	clay	12	
5	Lime	17	
145	shale	162	
4	Lime	166	
8	shale	174	
12	Lime	186	
9	shale	195	
7	Lime	202	
6	shale	208	
21	Lime	229	
29	shale	258	
17	Lime	275	
75	shale	350	
22	Lime	372	
17	shale	389	
8	Lime	397	
25	shale	422	
14	Lime	436	
8	shale	444	
1	Lime	445	
12	shale	457	
25	Lime	482	
8	shale	490	
22	Lime	512	
4	shale	516	

516

Thickness of Strata	Formation	Total Depth	Remarks
4	Lime	520	
4	shale	524	
7	Lime	531	Herthol
173	shale	704	
6	Lime	710	
16	shale	726	
3	Lime	729	
20	shale	749	
3	Lime	752	
20	shale	772	
3	Lime	775	
14	shale	789	
2	Lime	791	
9	shale	800	
1	Lime	801	
6	shale	807	
1	sandy shale & lime	808	
1	sand & lime	809	no oil
1	sand	810	slight odor - grey no show
15	core	825	
6	sandy shale	831	
89	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 # 252374

Invoice Date: 08/27/2012 Terms: 0/0/30,n/30

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

MARY BELL A-I-23
39530
1-15-20
08-24-2012
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	123.00	10.9500	1346.85
1118B	PREMIUM GEL / BENTONITE	307.00	.2100	64.47
1111	SODIUM CHLORIDE (GRANULA	238.00	.3700	88.06
1110A	KOL SEAL (50# BAG)	615.00	.4600	282.90
4402	2 1/2" RUBBER PLUG	1.00	28.0000	28.00
1401	HE 100 POLYMER	.50	47.2500	23.63

Description	Hours	Unit Price	Total
369 80 BBL VACUUM TRUCK (CEMENT)	1.50	90.00	135.00
495 CEMENT PUMP	1.00	1030.00	1030.00
495 EQUIPMENT MILEAGE (ONE WAY)	25.00	4.00	100.00
495 CASING FOOTAGE	881.00	.00	.00
503 MIN. BULK DELIVERY	1.00	350.00	350.00

Parts: 1833.91 Freight: .00 Tax: 133.88 AR 3582.79
 Labor: .00 Misc: .00 Total: 3582.79
 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

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

TICKET NUMBER 39530

LOCATION Ottawa KS

FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6/24/12	3244	Mary Bell # A-I-23	SW 1	15	20	DG
CUSTOMER <u>Altavista Energy</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>4595 33 Highway</u>			<u>506</u>	<u>Fred Mader</u>	<u>Safety</u>	<u>Wmby</u>
CITY <u>Wellsville</u>			<u>495</u>	<u>Har Bec</u>	<u>HB</u>	
STATE <u>KS</u>			<u>369</u>	<u>Mik Hoa</u>	<u>MH</u>	
ZIP CODE			<u>503</u>	<u>Dan Det</u>	<u>DD</u>	

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 920 CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 881 DRILL PIPE Baffle in TUBING @ 850 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 31 + Plug
 DISPLACEMENT 4.9400 DISPLACEMENT PSI _____ MIX PSI _____ RATE 50 BPM

REMARKS: Establish pump rate. Mix & Pump 1/2 Gal HE-100 Polymer.
 Circulate to condition hole. Mix & Pump 100# Gel Flush
 Mix & Pump 123 sks 50/50 Poz Mix Cement 2% Gel 5% Salt
 5# Kol Seal/sk. Cement to surface. Flush pump + lines
 clean. Displace 2 1/2" Rubber plug to ~~0~~ Baffle in casing.
 Pressure to 500# PSI. Release pressure to set float valve
 Shut in casing

TOB Drilling Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1030 ⁰⁰
5406	25mi	MILEAGE	495	100 ⁰⁰
5402	881	Casing footage		N/C
5407	Minimum	Ton Miles	503	350 ⁰⁰
5502C	1 1/2 hr	80 BBL Vac Truck	369	135 ⁰⁹
1124	123 sks	50/50 Poz Mix Cement		1396 ⁵⁵
1128B	307#	Premium Gel		644 ⁰⁰
1111	238#	Granulated Salt		88 ⁰⁶
1110A	615#	Kol Seal		262 ⁹⁰
4402	1	2 1/2" Rubber Plug		28 ⁰⁰
1401	1/2 Gal	HE-100 Polymer		23 ⁶³
			7.3%	SALES TAX
				ESTIMATED TOTAL

Completed

Ravin 3737 AUTHORIZATION FWP - fir TITLE MANAGER 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

252374