



KANSAS CORPORATION COMMISSION 1162927
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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Pioneer Natural Resources USA, Inc.
Well Name	BAYER et al ATU 1
Doc ID	1162927

Tops

Name	Top	Datum
KRIDER	2344	
ODELL	2377	
WINFIELD	2415	
GAGE	2440	
TOWANDA	2476	
FT_RILEY	2528	
FLORENCE	2577	
WREFORD	2610	
A1_LIME	2647	
B1_LIME	2708	
B2_LIME	2730	
B3_LIME	2757	
B4_LIME	2773	
B5_LIME	2782	



TREATMENT NUMBER FG2013012	DATE 7/10/2013
STAGE 1	JOB TYPE SURFACE

WELL NAME AND NO. Bayor ATU1	LOCATION (LEGAL) 23FNL&212FWL,SEC.5,T29S,R37W	RIG NAME: TRINIDAD DRILLING #216	CEMENT PUMPER: 23004
FIELD Hugoton/Ponoma	FORMATION Glorietta	WELL DATA	BOTTOM
COUNTY Grant	STATE Kansas	API NO.	FT TOP FT

RIG FORMAN Kevin Swafford	WELL DATA	BIT SIZE 12 1/4	CSG/Liner Size 8 5/8	WEIGHT 24	FOOTAGE 634.51	GRADE J-55	THREAD ST&C	DISP. CAPACITY 38	TOTAL: 38
CEMENT SUPER Frank L. Gonzales	MUD DENSITY 42.2	MUD VISC	Disp. Capacity 38	Include Footage From Ground Level To Head In Disp. Capacity					

SPECIAL INSTRUCTIONS	SHOE	TYPE	DEPTH	STAGE TOOL	TYPE	DEPTH
	TYPE	DEPTH		TYPE	DEPTH	

Head & Plugs	<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.	SQUEEZE JOB			
<input type="checkbox"/> Double Box 6	WEIGHT	GRADE	TAIL PIPE:	SIZE	DEPTH	
<input type="checkbox"/> Single	THREADS	CSG VOL BELOW TOOL	TUBING VOLUME	BBLs	BBLs	
<input type="checkbox"/> Knockout	<input type="checkbox"/> New <input type="checkbox"/> Used	ANNULAR VOLUME	BBLs	BBLs	BBLs	

LIFT PRESSURE 236 psi	NO. of Centralizers 4+1 basket	WATER QUALITY:	pH	SG	TEMP
PRESSURE LIMIT 1500 psi	BUMP PLUG TO 800	CEMENT TEMPERATURE:	ANNULAR VOLUME		

TIME 0001 to 2400	PRESSURE TBG CSG	VOLUME PUMPED INCR CUM	NO. of Centralizers 4+1 basket	WATER QUALITY:	pH	SG	TEMP
JOB SCHEDULED FOR			ARRIVE ON LOCATION		RIG UP		LEFT LOCATION
TIME: 19:00 DATE: 7/9/2013			TIME: 17:30 DATE: 7/9/2013		TIME: 22:45 DATE: 7/9/2013		TIME: 3:20 DATE: 7/9/2013
RATE FLUID TYPE DENSITY							

1:20								Safety Meeting
1:56	1500	2	2.0	1	H2O	8.3		Pressure Test Pump and Lines
1:58	100	45	47	4	H2O	8.3		Water Ahead
2:04	120	101	148	4	Cmt.	8.3		Pump Cement @ 15 PPG
2:29					H2O	15		Drop Plug
2:30	0	38		4	H2O	8.3		Pump Displacement
2:33	54		160	4	H2O	8.3		1st Call Out
2:36	120		172	4	H2O	8.3		2nd Call Out
2:39	150		184	2	H2O	8.3		3rd Call Out
2:40	200		186	2	H2O	8.3		Final Lift
2:40	1200			2	H2O	8.3		Bump Plug
3:09		40	226	4	H2O	8.3		Wash Up Pump
								Rig Down

System Used	No. of Sacks	Yield ft ³ /sk	COMPOSITION OF SYSTEM					SLURRY MIXED	
Surf. Set		1.21	Class G,Pozz, S001,P029,P046					BBLs	DENSITY
			336 sacks Class G cement					101.4	15
			112 sacks Poz						
			1196 lbs Calcium Chloride						
			112 lbs Antifoamer						
			112 lbs Pol-E-Flakes						

CIRCULATION	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	WASHED CASING DOWN	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BREAKDOWN	38 PSI	FINAL	200	PSI
DISPLACEMENT VOL.	38	BBLs	RETURNED TO SURFACE	BEFORE PLUG BUMP	200	PSI	RATE	2 BPM
			16	PRESSURE				

CEMENTING TREATMENT REPORT



TREATMENT NUMBER FG2013013	DATE 7/11/2013
STAGE 2	JOB TYPE Production

WELL NAME AND NO. Bayer ATU1	LOCATION (LEGAL) 23FNL&212FWL,SEC.5,T29S,R37W	RIG NAME: Trinidad Drilling #216	CEMENT PUMPER: 2301
FIELD Hugoton/Panoma	FORMATION Glorietta	WELL DATA	BOTTOM
COUNTY Grant	STATE Kansas	API NO.	FT TOP FT

RIG FORMAN Kevin Swafford	WELL DATA	BIT SIZE 7 7/8	CSG/Liner Size 5 1/2	WEIGHT 17	FOOTAGE 2849.16	GRADE J-55	THREAD LT&C	MUD DENSITY 42.21	DISP. CAPACITY 65.1	TOTAL: 65.1	
CEMENT SUPER Frank L. Gonzales	MUD TYPE	Include Footage From Ground Level To Head In Disp. Capacity		MUD VISC		MUD VISC		MUD VISC		MUD VISC	

SPECIAL INSTRUCTIONS	FLUID TYPE	DEPTH	FLUID TYPE	DEPTH
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PERSONNEL: J.R. Ortiz,Ronald Trujillo,Eric Wheeler,Robert Ashe	Head & Plugs	<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.	SQUEEZE JOB
	WEIGHT	GRADE	THREADS	DEPTH
	WEIGHT	GRADE	THREADS	DEPTH
	WEIGHT	GRADE	THREADS	DEPTH
	WEIGHT	GRADE	THREADS	DEPTH

LIFT PRESSURE 777 psi	PRESSURE LIMIT 1784 psi	NO. of Centralizers 14	BUMP PLUG TO 1200	CEMENT TEMPERATURE: 78	ANNULAR VOLUME	TUBING VOLUME	BBLs
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TIME 0001 to 2400	PRESSURE TBG CSG	VOLUME PUMPED INCR CUM	JOB SCHEDULED FOR TIME: 22:30 Date: 7/11/2013	ARRIVE ON LOCATION TIME: 9:30 DATE: 7/11/2013	RIG UP TIME: 10:30 DATE: 7/11/2013	LEFT LOCATION TIME: 4:30 DATE: 7/11/2013
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TIME	PRESSURE	VOLUME PUMPED	JOB SCHEDULED FOR	ARRIVE ON LOCATION	RIG UP	LEFT LOCATION
	TBG CSG	INCR CUM	TIME: 22:30 Date: 7/11/2013	TIME: 9:30 DATE: 7/11/2013	TIME: 10:30 DATE: 7/11/2013	TIME: 4:30 DATE: 7/11/2013
			RATE FLUID TYPE DENSITY			
1:25						Safety Meeting
1:40	3000	2 2.0	1 H2O 8.3			Pressure Test
1:15						Load Bottom Plug
1:54	200	85 87	4 H2O 8.3			Water Ahead
2:16	200	124 211	4 Cmt. 12.5			Pump Cement @ 12.5 PPG - 290 sks.
2:48	75	36 247	4 Cmt. 13.5			Pump Cement @ 13.5 PPG - 127 sks.
2:59						Drop top Wiper Plug
3:00	50	65.1	4 H2O 8.3			Pump Displacement
3:08	250	267	4 H2O 8.3			1st. Call Out
3:14	500	287	4 H2O 8.3			2nd Call Out
3:20	700	307	4 H2O 8.3			3rd. Call out
3:22	700	312.1	2 H2O 8.3			Final Pressure
3:23	1200		2 H2O 8.3			Bump Plug
3:38		50 362.1	4 H2O			Wash Pump and Lines
4:15						RIG DOWN

System Used	No.of Sacks	Yield ft ³ /sk	COMPOSITION OF SYSTEM		SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY
LEAD	273	2.4	Class G,Pozz,P20,S1,P29,P46,P42,P154		124	12.5
Tail	127	1.61	Class G,Pozz,P20,S1,P29,P46,P42,P167		36	13.5

CIRCULATION <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	WASHED CASING DOWN <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BREAKDOWN BEFORE PLUG BUMP PRESSURE 700 PSI	FINAL 1200 PSI
DISPLACEMENT VOL. 65.5 BBLs	RETURNED TO SURFACE 35	RATE 4 BPM	