

### Kansas Corporation Commission Oil & Gas Conservation Division

### 1048132

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?
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Onv. to ENHR	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 #:
GGW Fellill #.	
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 Name: _			_ Well #:	
Sec Twp	S. R	East West	County:				
time tool open and clorecovery, and flow rat	osed, flowing and shu	d base of formations per t-in pressures, whether s st, along with final chart well site report.	shut-in pressure rea	ched static level,	hydrostatic pres	sures, bottom h	ole temperature, fluid
Drill Stem Tests Taker (Attach Additional		Yes No		og Formation	n (Top), Depth ar	nd Datum	Sample
Samples Sent to Geo	•	☐ Yes ☐ No	Nam	ne		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Cop)	ed Electronically	Yes No Yes No Yes No					
List All E. Logs Run:							
			RECORD N	ew Used ermediate, production	on, 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
		ADDITIONA	L CEMENTING / SQI	JEEZE RECORD			
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used		Type and I	Percent Additives	
Shots Per Foot		ON RECORD - Bridge Plu Footage of Each Interval Pe			cture, Shot, Cemen count and Kind of Ma		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Me		Gas Lift O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wa	ter Bb	ols.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF GAS:		METHOD OF COMPL	ETION:		PRODUCTIO	ON INTERVAL:
Vented Solo	d Used on Lease	Open Hole	Perf. Duall		nmingled nit ACO-4)		
(If vented, Su	bmit ACO-18.)	Othor (Specify)	(Summit	AUU-U) (SUDI	IIII ACO-4)		

Form	ACO1 - Well Completion
Operator	PostRock Midcontinent Production LLC
Well Name	BUSSMAN, RALPH E 18-3
Doc ID	1048132

### All Electric Logs Run

CDL	
DIL	
NDL	
TEMP	

### Called Kec 8-3-10 Talked to Dwayne

Resource Corporation

211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9500

TREATMENT REPORT

TICKET NUMBER

6968

HORET NOMBER	
FIELD TICKET REF #	

FOREMAN Joe Blanchard

SSI 629400

API \_\_\_\_\_

	& FIELD TICKET CEMENT API							
DATE	WELL NAME & NUMBER SECTION TOWNSHIP RANGE COUNTY							COUNTY
8-3-10	Bussa	1an R	alph	18-3	18	33	18	LB
FOREMAN / OPERATOR	TIME	TIME	LESS LUNCH	TRUCK #	TRAILER #	TRUC HOUR	¥3	EMPLOYEE SIGNATURE
The BIANCHORD	11:00	6:00		904850		7	4	be Belocker
Cart Collins		5:30		931300	932895	6.5	5 (	ut Celle
Josich Gorza	2	2:15		931385	93/895	3.8	75	19-
				·			4	0
LARRYTHEDER	2	6:00		903600		7	OS OS	SERILL
Darrell Crave	V	C:00		93127		フ	( )	Just/
JOB TYPE LONG STEE TOUR HOLE SIZE 77/8 HOLE DEPTH 1000 CASING SIZE & WEIGHT 5/2 16#								
CASING DEPTH 997.19 DRILL PIPE TUBING OTHER								
SLURRY WEIGHT 14.5 SLURRY VOL WATER gal/sk CEMENT LEFT in CASING O								
DISPLACEMENT 23	. 74 DISPL	ACEMENT PSI		MIX PSI	RATE	4600	ν	
REMARKS:				021		-	120	
washed	25 F4	512 Ca	sing in	hole. In	stalled Ce	ment h	read 1	RAN 4 SK
gel d 12	BBL T	DyE of 1	50 SKS	of comes	st to ge	+ dye	to Su	rface.
Flush Dur	MA. Pa	imped w	iper P	lug to bot	tom of s	A Fle	atsh	ol .

## Cement to Surface

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
904850	7 hc	Foreman Pickup	
903197	7 hr	Cement Pump Truck	
903600	7 hr	Bulk Truck	
931385	6.5 hr	Transport Truck	
931387	6.5 hr	Transport Trailer	
	•	80 Vac	
	997.19 FF	Casing	
	5	Centralizers	
	1	Float Shoe	
	ĺ	Wiper Plug	
	j	Frac Baffles 41/2 44 4"	
	130 SK	Portland Cement	
	25 SK		
	1 310		
	9 SK	Premium Gel	
	4 5K	Cal Chloride	
		KCL	
	Topagal	City Water	
	300		



DATE: 08/16/2010 Energy Carparation McPherson Drilling

	Geology Brief -	- Data taken fron	n Driller's Log &	Compensated Density Lo	g
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WELL NAME:	Bussman, Ralph E.	SECTION:	18	REPORT #:		SPUD DATE:	7/31/2010 Sat	urday
WELL #:	18-3	TWP:	33S	DEPTH:	1006			
FIELD:	Cherokee Basin	RANGE:	18E	PBTD:				
COUNTY:	Labette	<b>ELEVATION:</b>	811 Estimated	FOOTAGE:	2130	FT FROM	North	SECTION LINE
STATE:	Kansas	API#:	15-099-24611-0000		500	FT FROM	West	SECTION LINE
							NESWSWNW	7

Fireside

#### **ACTIVITY DESCRIPTION:**

McPherson Drilling, Mac McPherson, drilled to TD 1006 ft. on Sunday, 08/01/2010 at 11:00 am.

Note: 10 foot rock samples collected for the Kansas Geological Survey (KGS) Rock Library, as required by the State of Kansas.

Surface Casing @ 21.5 ft.

Surface Casing Size: 8 5/8"

GAS SHOWS:	Gas Measured	E-Log	COMMENTS:
Mulberry Coal	0 mcf/day @	Absent FT.	
Lexington Shale and Coal	0 mcf/day @	301-305 FT.	Gas test at 303 ft.
Summit Shale & Coal	0 mcf/day @	411-415 FT.	Gas test at 429 ft.
Mulky Shale & Coal	19 mcf/day @	443-447 FT.	19 mcf/day from this area. Gas test at 454 ft. & 479 ft
Iron Post Coal	19 mcf/day @	479-481 FT.	
Bevier Coal	16 mcf/day @	492-494 FT.	Gas test at 504 ft.
Verdigris Limestone	16 mcf/day @	506-509 FT.	Upper Baffle Set at 467.89 ft. Big hole.
#1 Croweburg Coal & Shale	16 mcf/day @	509-515 FT.	
#2 Croweburg Coal & Shale	16 mcf/day @	522-524 FT.	Gas test at 529 ft.
Fleming Coal	16 mcf/day @	546-549 FT.	Gas test at 629 ft. & 679 ft.
Weir Coal	16 mcf/day @	682-684 FT.	Gas test at 704 ft.
Bartlesville Sandstone	16 mcf/day @	Absent FT.	Lower baffle set at 742.21 ft. Small hole.
Rowe Coal	16 mcf/day @	810-812 FT.	
Neutral Coal	12 mcf/day @	820-822 FT.	Gas test at 830 ft. & 860 ft.
Riverton Coal	12 mcf/day @	876-879 FT.	
Mississippi Chat/Limestone	21 mcf/day @	Top at 886 FT.	2 mcf/day from this area. Gas test at 905 ft.
TD: 1006 ft.	21 mcf/day @		Gas test same at TD.

Note: Water coming into the hole from zones drilled affects Drilling & Gas Tests. These Wells may require a booster to reach target TD.

This water pressure may cause the Gas coming into the hole to be sporadic and/or appear non-existent, giving false readings of initial Gas measured.

Bottom of Production Pipe Tally Sheet: 997.19 ft. Production Casing Set by PostRock.

Bottom Logger: 1006.40 ft. Driller TD: 1005 ft.

Shoe & Centralizer Set on bottom joint & Centralizers Set every 5 joints to surface.

#### OTHER COMMENTS:

Information in this report was taken directly from the Drillers hand written notes, Geologists examination of rock samples with a hand lens

& the Compensated Density Log only. Gas Tests reflect what the driller wrote down during drilling activities. All zones are picked on site with minimal log correlation. Detailed work with logs may provide more accurate data for reservoir analysis. Below Zones fyi only.

 Pawnee LS / Pink
 278-301

 Oswego Limestone
 374-411

 Mineral Coal
 568-570

Tebo Coal 612-614

CASING RECOMMENDATIONS: Run 5.5 inch casing / Cement to surface

On Site Supervisor/Representative: Ken Recoy, Senior Geologist, AAPG CPG #5927 Cell: 620-305-9900 krecoy@pstr.com

End of Drilling Report. Thank You!