

# Kansas Corporation Commission Oil & Gas Conservation Division

## 1053387

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
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 #:	County: Permit #:
GSW Permit #:	. 5
Spud Date or Date Reached TD Completion Date or Recompletion Date  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 #: \_ 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 Wireline Logs surveyed. Attach final geological well site report. **Drill Stem Tests Taken** Yes No Log Formation (Top), Depth and Datum Sample (Attach Additional Sheets) Name Top Datum Samples Sent to Geological Survey ☐ Yes □ No Cores Taken Yes No Electric Log Run Electric Log Submitted Electronically Yes No (If no, Submit Copy) List All E. Logs Run: CASING RECORD Used New Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight # Sacks Type and Percent Type of Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Additives Depth Cement Used ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement # Sacks Used Type and Percent Additives Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth TUBING RECORD: Size: Set At: Packer At: Liner Run: No Yes Producing Method: Date of First, Resumed Production, SWD or ENHR. Pumping Gas Lift Other (Explain) Flowing **Estimated Production** Bbls. Water Bbls. Gas-Oil Ratio Oil Gas Mcf Gravity Per 24 Hours **DISPOSITION OF GAS:** METHOD OF COMPLETION: PRODUCTION INTERVAL: Open Hole Dually Comp. Perf. Commingled Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)



DATE: 12/06/2010 Energy Corporation McPherson Drilling

Geology Brief	- Data taken from l	Driller's Log &	Compensated 1	Density Log

WELL NAME: Wing Family Trust SECTION: REPORT #: **SPUD DATE:** 12/02/2010 Thursday WELL #: 3-2 TWP: 28S DEPTH: 1029 ft. FIELD: Cherokee Basin RANGE: PBTD: 16E COUNTY: Wilson **ELEVATION:** 1020 ft. Estimate FOOTAGE: 500 FT FROM South **SECTION LINE** STATE: API#: 15-205-27882-0000 500 FT FROM **SECTION LINE** Kansas West NESWSWSW

Jayhawk

ACTIVITY DESCRIPTION: From Chanute go West out 21st St. (about 10 miles) to HW75, South 2 miles to 1800 Rd., East 1/8 mile & North into

McPherson Drilling, Andy Coats, drilled to TD 1029 ft. on Friday, 12/03/2010 at 1 pm.

Surface Casing @ 21.0 ft., with 4 sacks cement. Surface Casing size: 8 5/8 inch.

GAS SHOWS:	Gas Measured	E-Log	COMMENTS: Damp at 850 ft. Injecting water at 879 ft.
Stark Shale	0 mcf/day @	437-440 FT.	Gas test at 453 ft.
Hushpuckney Shale	0 mcf/day @	495-498 FT.	Gas test at 503 ft.
South Mound Shale	0 mcf/day @	556-560 FT.	Gas test at 578 ft.
Holdenville Shale	0 mcf/day @	611-617 FT.	Gas test at 625 ft.
Bandera Shale	0 mcf/day @	665-669 FT.	No Baffles in this Well.
Mulberry Shale/Coal	0 mcf/day @	778-781 FT.	Gas test at 779 ft.
Lexington Shale/Coal	0 mcf/day @	791-794 FT.	Gas test at 804 ft.
Summit Shale	3 mcf/day @	842-849 FT.	3 mcf/day from Summit. Gas test at 850 ft.
Excello/Mulky Shale/Coal	3 mcf/day @	856-864 FT.	Gas test at 879 ft.
Bevier Shale/Coal	3 mcf/day @	922-925 FT.	Gas test at 930 ft.
Verdigris Limestone	3 mcf/day @	938-940 FT.	
Croweburg Shale/Coal	3 mcf/day @	940-943 FT.	Gas test at 954 ft.
Fleming Shale/Coal	3 mcf/day @	976-980 FT.	Cleaned Hole 45 minutes, Inj. Foam, Worked Pipe.
TD: 1029 ft.	3 mcf/day @	FT.	Gas test at 979 ft. & 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, from Tally Sheet: 1022.93 ft. Production Casing Set by PostRock.

Bottom Logger: 1028.20 ft. Driller TD: 1029 ft.

Shoe & Centralizer Set on bottom joint & Centralizers Set every 5 joints to surface. Cement Basket above the Stark Shale.

#### 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 (Field Copy) 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.

Pawnee Lime / Pink	781-791
Oswego Coal	823-825
Oswego Lime	825-842
Mineral Coal	994-998
Scammon Coal	1009-1012

Note: All Shales in this Geology Brief are Black Carbonaceous Shales.

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 <a href="mailto:krecoy@pstr.com">krecoy@pstr.com</a>
End of Geology Brief. Thank You!

Resource Corporation

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

010073

TICKET NUMBER

FIELD TICKET REF # \_\_\_\_\_

FOREMAN Joe Blanchard

ssi <u>630516</u>

TREATMENT REPORT

			& FIELD	TICKET CEMEI	NT	AP	1 <u> 15- a</u>	<u> २०५</u>	-278	82
DATE		WEL	L NAME & NUMBER	}	s	ECTION	TOWNSHIP	RANG	E COUN	ITY ]
12-6-10	Wing	fami	ly trus	+ 3-2		3	28	16	WL	
FOREMAN / OPERATOR	TIME	TIME	LESS LUNCH	TRUCK #	TR	AILER #	TRUC		EMPLOYEE SIGNATUR	
Joe Bland	d 1:00 PM			964850		***************************************	4.2	Z.	loe Black	
Chrismiddle	1:00 PM			903197			4.2	5	Unid	tes
Hobert Rock	= 10:00A	"S! 15		931300	932	895	7.3		AS.	
Johnwalker	1:00	5:00		203400	232	170	4		Johnal	2m
MAH Not	1:09	5:00		903206			4		markte M	
							<u> </u>		/	
JOB TYPE LougSt							NG SIZE & W	EIGHT_	51/2 16	##C-
CASING DEPTH 10	22. 93 drill i	PIPE	Т	UBING		OTHE			····	
SLURRY WEIGHT 13.5 SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 6										
DISPLACEMENT 24										
REMARKS:							. *			
washed 35 Ft 5/2 in hole Sunot USKS acl. Installed coment head										
BAN 16 E	BIL dye	4	140 SRSV	of Comeur	To 9	set o	getos	Sector	La. Flu	sh
Pump of	umped w	· pec	plug to b	ottom of s	7 te	loods	ihae .			
<b>Y</b>	<b>T</b>	<del>-</del>								
Cement to Surface										
-				merro		عبء			***************************************	
ACCOUNT CODE	QUANTITY or L	STINI		DESCRIPTION OF SE	RVICES O	R PRODUC	T		TOTAL AMOUNT	
904 450	4.2	15 hr	Foreman Pickup			***************************************	· · · · · · · · · · · · · · · · · · ·			

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
904 450	4.25 hr	Foreman Pickup	
903197	4.25 hr	Cement Pump Truck	
903206	4 hr	Bulk Truck	
903400	4 hr	Transport Truck	
932900	4 hr	Transport Trailer	
		80 Vac	
	1 <b>9</b> 22.93 F	Casing 5'/2_	
	6	Centralizers	
	/	Float Shoe	
	1	Wiper Plug	
	0	Frac Baffles	
	115 SK	Portland Cement	
	25 SK	Gilsonite	
	1 5K	Flo-Seal	
	15 SK	Premium Gel	
	3 SK	Cal Chloride	
		51/2 Basket	
	700030	City Water	
931300	7.25 h	Casing tracter Casing trailor	
932895	7.25 hr	Casing Frailor	