

### Kansas Corporation Commission Oil & Gas Conservation Division

#### 1052656

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: 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 #:				
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 I II Approved by: Date:

Side Two



Operator Name:			Lease Name	e:			_ Well #:	
Sec Twp	S. R	East West	County:					
time tool open and clos	sed, flowing and shut s if gas to surface tes	I base of formations per in pressures, whether set, along with final chart well site report.	shut-in pressure	reached s	static level,	hydrostatic press	sures, bottom h	ole temperature, fl
Orill Stem Tests Taken (Attach Additional S		Yes No		Log	Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolo		☐ Yes ☐ No	N	lame			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)	I Electronically	Yes No Yes No Yes No						
List All E. Logs Run:			RECORD [		Used			
	Size Hole	Report all strings set- Size Casing	-conductor, surface Weight		ate, producti Setting	on, etc.  Type of	# Sacks	Type and Percen
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.		Depth	Cement	Used	Additives
		ADDITIONA	L OFMENTING (	00115575	DECORD			
		ADDITIONA	L CEMENTING / :	SQUEEZE	RECORD			
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	d		Type and F	Percent Additives	
Shots Per Foot		RATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)					d Depth	
TUBING RECORD:	Size:	Set At:	Packer At:	Line	r Run:	Yes No		
Date of First, Resumed I	Production, SWD or ENI	HR. Producing Me	thod:	Gas Li	ift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf	Water	В	bls. (	Gas-Oil Ratio	Gravity
DISPOSITIO	Used on Lease	Open Hole	METHOD OF COM	MPLETION: ually Comp omit ACO-5)	. Cor	nmingled mit ACO-4)	PRODUCTIO	ON INTERVAL:
(If vented, Sub	mit ACO-18.)	Other (Specify) _						



DATE: 12/07/2010 Energy Corporation McPherson Drilling

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

WELL NAME: Perkins, James SECTION: REPORT #: **SPUD DATE:** 11/18/2010 Thursday 18 WELL #: DEPTH: 18-2 TWP: 33S 1570 ft. FIELD: Cherokee Basin RANGE: 13E PBTD: COUNTY: Chautauqua **ELEVATION:** 1005 Estimate FOOTAGE: 1310 **FT FROM** South **SECTION LINE** STATE: API#: 15-019-27027-0000 1980 **FT FROM SECTION LINE** West Kansas N2N2SESW

Howard

ACTIVITY DESCRIPTION: From Independence go South on HW75 to 4000, West 9.2 mi., right at Sedan cutoff, then 5.5 mi., W&N into

McPherson Drilling, Andy Coats, drilled to TD 1570 ft. on Monday, 11/22/2010 at 11:00 am.

Surface Casing @ 41.4 ft., with 8 sacks cement. Surface Casing size: 8 5/8 inch.

GAS SHOWS:	Gas Measured	E-Log	COMMENTS: Damp at 168 ft. Injecting water at 177 ft.
Stark Shale	0 mcf/day @	672-675 FT.	Gas test at 650 & 750 ft. More water at 726 & 800 ft.
Hushpuckney Shale	0 mcf/day @	Absent FT.	Gas test at 850 ft.
South Mound Shale	0 mcf/day @	887-893 FT.	Gas test at 950 ft.
Holdenville Shale	0 mcf/day @	999-1003 FT.	Gas test at 1050 ft. More water at 1028 ft.
Bandera Shale - thin	0 mcf/day @	1100-1103 FT.	Gas test at 1150 ft.
Mulberry Shale/Coal	0 mcf/day @	1230-1231 FT.	Water is affecting Gas tests & Rock Samples.
Lexington Shale/Coal	0 mcf/day @	1258-1261 FT.	Gas test at 1258 ft. Minimal Rock Samples coming up.
Summit Shale	0 mcf/day @	1351-1357 FT.	Gas test at 1360 ft.
Excello/Mulky Shale/Coal	0 mcf/day @	1378-1384 FT.	Gas test at 1385 ft.
Bevier Shale/Coal	0 mcf/day @	1403-1406 FT.	Water continues to increase. Dug second deep Pit.
Verdigris Limestone	0 mcf/day @	1420-1422 FT.	No Baffles in this Well.
Croweburg Shale/Coal	0 mcf/day @	1422-1426 FT.	Both Pits 90% full. Pulled several loads of water from Pits.
Fleming Shale/Coal	0 mcf/day @	1471-1473 FT.	Gas test at 1478 ft.
TD: 1570 ft.	0		Gas test 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, from Tally Sheet: 1558.56 ft. Production Casing Set by PostRock.

Bottom Logger: 1537.00 ft. Driller TD: 1570 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.

Winterset Limestone	647-680	
Dodds Creek Sandstone - Gas affect, see CNL	704-788	
Hepler Sand	896-962	
Altamont Lime	1037-1060	
Lenapah Lime	1086-1103	
Pawnee Lime / Pink	1231-1258	
Oswego Lime	1319-1351	
Tebo Coal	1512-1516	

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 krecoy@pstr.com
End of Geology Brief. Thank You!

TICKET NUMBER\_

FOREMAN REVIN MSCOV LOCATION EURERA

Oil Well Services, LLC CONSOLIDATED



### FIELD TICKET & TREATMENT REPORT

620-431-9210 or 800-467-8676 P.O. 77 C. 119710 PO Box 884, Chanute, KS 66720

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COUNTY	ВАИСЕ	<b>GIHSNWOT</b>	SECTION	ЯЭЗ	LL NAME & NUME	ME	CUSTOMER #	DATE
620-431-9210 of 800-467-8676 P.O. TLC 112310 CEMENT AFE D 10067								

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JATOT	ТИИТ РРІСЕ	DESCRIPTION of SERVICES or PRODUCT	STINU 10 YTINAUD	АССОЛИТ СОDE

# **QUEST**



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

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FIELD TICKET REF #

FOREMAN Jacksund	FOREMAN	The Blandourd
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***			& FIELD	TICKET CEMEI	NT AI	기	
DATE		WELL NAI	ME & NUMBER	₹	SECTION	TOWNSHIP	RANGE COUNTY
12-22-10	Perk	ILAS	18-	2			CQ
FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Jac Blandon	2:30	6:00?M		931505	931395	3.5	Non Blan
This middle	2:30	6:OOPM		903/97		1	Chmitte
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TREATMENT REPORT

CASING DEFTIT	DRILL FIFE	TUBING	OTHER
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING
DISPLACEMENT	DISPLACEMENT PSI	MIX PSI	RATE
REMARKS:			
Topped well of	ff with Cement	pumper 4 Jeter	. 3 sks of Coment Jetter
Lown Dad	eside:		
	Rest of time	e ON TICKET IS a	drive time of fuel took
	- times		

JOB TYPE Top of HOLE SIZE \_\_\_\_\_ HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT \_\_\_\_

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
		Foreman Pickup	
903197	3.5 W	Cement Pump Truck	
903206	3.5 hr	Bulk Truck	
931505	3.5 hr	Transport Truck	
931395	3.5 hc	Transport Trailer	
		80 Vac	
		Casing	
		Centralizers	
		Float Shoe	
		Wiper Plug	
		Frac Baffles	
	3 5K	Portland Cement	
		Gilsonite	
		Flo-Seal	
		Premium Gel	
		Cal Chloride	
		KCL	
		City Water	