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## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it:				(	See Instruc	tions on Reve	erse Side	<del>)</del> )				
Open Flow					Total Dates								
Deliverability										API No. 15 15-145-20568 <b>-000</b>			
Company White &	y Ellis	_ Drilli	ng, Inc.				Lease Kellems				#2	Well Number	
County Pawnee	<del></del>				Section 7		TWP 23S		RNG (E/W) 16W			Acres Attributed	
					Reservoir Mississippi			Gas Gathering Connection Lumen Midstream Partnership LLC					
Completion Date 02/06/79				Plug Bac 4150	Plug Back Total Depth 4150			Packer S	et at				
Casing Size 4 1/2"			Weight 10.5#			Internal Diameter 3.958		Set at 4179		Perforations 4091			
Tubing S	Tubing Size		Weigh		Internal D 1.901				Perforations		4099 To		
Type Cor	Type Completion (Describe) Acid 750 gal-Frac 2000#				Type Flui	Type Fluid Production salt water			Pump Unit or Traveling Plunger? Yes / No yes				
			nulus / Tubing	3)		% Carbon Dioxide				% Nitrogen Gas Gravity - G <sub>a</sub>			
Annulu							·						
Vertical [	Depth(I	H)				Pres	sure Taps				(Meter	Run) (Prover) Siz	
Pressure	Buildu	ıp:	Shut in	11 2	0 14 at 1	0:30AM	(AM) (PM)	aken 12	2/12	20	14 at 10:30	AM (AM) (PM)	
Well on L	_ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	inHo	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu	1	Flowing Temperature t	Well Head Temperature t	Casin Wellhead P (P <sub>w</sub> ) or (P <sub>1</sub> )	Pressure Wellhe		ubing id Pressure (P <sub>1</sub> ) or (P <sub>0</sub> )	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.375	 5	psig (Pm)	Inches H <sub>2</sub> 0			psig 80	psia	psig	psia	24hrs		
Flow													
			_		<del>- ,.</del>	FLOW STR	REAM ATTRIE	BUTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension Pmxh	Grav Fac F	tor	Flowing Deviation Factor F <sub>pv</sub>		ctor	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	Graviho	
								<u> </u>		<u>.</u>			
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> )² =	:	•	•	'ERABILITY) % (P.	CALCUL - 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>s</sub> ) <sup>2</sup>		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>*</sub> ) <sup>2</sup>		1. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1, or 2.		Backpressure Curve Slope = "n"or Assigned		ln x log		Antilog	Open Flow Deliverability Equals R x Antilog	
(F <sub>0</sub> ) (	· a)			divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub>	and divide 2 by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		rd Slope		L J		(Mcfd)	
Open Flo	ow.			Mcfd @ 14.	.65 psia	_	Deliverabil	ity			Mcfd @_14.65 ps	ia	
The	unders	signe	d authority, o	n behalf of the	Company,	states that h	e is duly aut	norized t	o make th	e above repo	ort and that he ha	s knowledge of	
		•	<u>-</u>	aid report is true	e and correc	t. Executed Receiv	this the 171	th	day of De	-		, 20 14	
<i>\</i> C	<u>lia</u>	u	m.d	oslu			ON COMMISSION	2/	alla.		)//C-	 	
			Witness (	rany)		DEC 29	2014	•	-	€of	company		
_			For Comm	nission	CO	NSERVATION WICHITA,				Che	cked by	<del>_</del>	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator White & Ellis Drilling, Inc.  and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment instaltation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the Kellems #2  gas well on the grounds that said well:  (Check one)    is a coalibed methane producer   is cycled on plunger lift due to water   is a source of natural gas for injection into an oil reservoir undergoing ER   is on vacuum at the present time; KCC approval Docket No. \( \subseteq \text{ is not capable of producing at a daily rate in excess of 250 mct/D}\)  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.  Date: 12/17/14  Received  DEC 2 9 2014  Title: Dallas Flowers, Production Superintendent						
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DEC 23 2011	RECEIVED KANSAS CORPORATION COMMISSION	Signature 4 1 1				
CONSERVATION DIVISION	DEC 2 9 2014	Title: Dallas Flowers, Production Superintendent				
WICHITA, KS	• • · · · · · · · · · · · · · · · · · ·					

## Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.