KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruci	tions on Rev	erse Side)					
Open Flow					Total Datas									
Deliverabilty					Test Date: 12/11/2014			API No. 15 15-145-20962 - 0000						
Company White & Ellis Drilling, Inc.						Lease Kellems			Well Number #3					
County Location Pawnee NW NW NW				Section 7					RNG (E/W) 16W		Acres Attributed			
Field Zook Extension						Reservoir Mississippi			Gas Gathering Connection Lumen Midstream Partnership LLC					
Completion Date 05/03/82					Plug Bac 4145	Plug Back Total Depth 4145			Packer Se	et at				
Casing Size 4 1/2"			Weigh 10.5#		Internal Diameter 3.958		Set at 4191		Perforations 4094		To 4114			
Tubing S 2 3/8"	Tubing Size 2 3/8"		Weight 4.6#		Internal Diameter 1.901		Set at 4135		Perforations		То			
Type Completion (Describe) Ac 1500 gal, Frac 18000#SD					Type Flui	Type Fluid Production salt water			Pump Unit or Traveling Plunger? Yes / No Yes					
Producing Thru (Annulus / Tubing)					% C	% Carbon Dioxide			% Nitroge	en	Gas Gr	Gas Gravity - G		
Annulus Vertical C		1)	_			Pressure Taps					(Meter	Run) (P	rover) Size	
Pressure	Buildu	ıp:	Shut in	11 2	0_14_at_1	1:00AM	(AM) (PM)	Taken_12	2/12	20	14 at 11:00/	AM ((AM) (PM)	
Well on L											at		AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in	Hours	
Static / Dynamic Property	namic Size		Gircle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Heat Temperature t		e (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	nut-In .375		paig (t iii)	manes rego			psig 50	psia	psig	psia	24hrs			
Flow														
_ 1 -				1		FLOW STE	EAM ATTRI	BUTES					ı	
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension	Extension Fact		Flowing Temperature Factor F _{rt}	Deviation Factor F _{pv}		Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
(P _c)² =		:	(P.,.) ² =	:	(OPEN FLO		'ERABILITY) % (P.		ATIONS 14.4 =	:	(P <u>"</u>) (P _d)	² = 0.2	07	
(P _c) ² - (or (P _c) ² - ((F	P _c)²- (P _w)²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Stope			og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
-														
Open Flo	w		}	Mcfd @ 14.	65 osia		Deliverabil	litv			Mcfd @ 14.65 ps	ia	-	
		igne	d authority, or			states that h			o make th	e above repr	ort and that he ha		ledge of	
		_	_	aid report is true	and correc	t. Executed	this the 17	th	day of De				20 14 .	
_ V	Dia	u	Mitness (Hosly	KAN	SAS CORPORA	TION COMMISS	ON	All	<u>//</u>	Company	_		
			ividiass (i				9 2014							
			For Comm	ission	(CONSERVATI WICHI	ON DIVISION TA, KS			Che	ecked by			

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized 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 ar correct to the best of my knowledge and belief based upon available production summaries and lea of equipment installation and/or upon type of completion or upon use being made of the gas well here I hereby request a one-year exemption from open flow testing for the Kellems #3 gas well on the grounds that said well:	e true and se records
is a coalbed 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	—– Commission
Date: 12/17/14	
Received KANSAS CORPORATION COMMISSION DEC 2 9 2014 CONSERVATION DIVISION WICHITA, KS Signature Dallas Flowers, Production Superintendent	

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.