KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(See Instruct	tions on Reve	erse Side)				
Open Flow			Test Date: API No. 15									
Deliverabilty								API NO. 15 15-145-20458 0000				
Company White & Ellis Drilling, Inc.					Lease Kellems				Well Number #1			
County Location Pawnee C S/2 SE NW			Section 7				FING (E/ 16W	W)	,	Acres Attributed		
Field Zook Extension				Reservoir Mississippi			Gas Gathering Connection Lumen Midstream Partnership LLC					
Completion Date 3/28/77			Plug Bac 4139	Plug Back Total Depth 4139			Packer S	Set at				
Casing Size Weight 4.5" 10.5#			Internal D 3.958	Diameter	Set at 4179		Perforations 4083		то 4097			
Tubing Size Weight 2.375" 4.6#			Internal D 1.901	Internal Diameter Set at 1.901 4130			Perforations		То	То		
Type Completion (Describe) Frac 35 gal+20000#SD					Type Fluid Production salt water			Pump Unit or Traveling Plunger? Yes / No yes				
Producing Thru (Annulus / Tubing)				% C	% Carbon Dioxide				% Nitrogen Gas Gravity - G _g			
Annulus Vertical Depth(H)					Pressure Taps					(344444)	2	
vertical L	epm(H)				Pres	sure laps				(Meter i	Run) (Prover) Size	
Pressure	Buildup:	Shut in 12	<i>1</i> 7	15 at 10	MA00:0	(AM) (PM) T	aken_12	1/8	20	15 at 10:00A	M (AM) (PM)	
Well on Line: Started			2	0 at		(AM) (PM) T	aken		20	at	(AM) (PM)	
					OBSERVE	D SURFACE	DATA			Duration of Shut-	in Hours	
Static / Orifice Dynamic Size		Meter	Differential	Flowing Temperature	Well Head Temperature	Wellhead Pressure		Tubing Weilhead Pressure		Duration	Liquid Produced	
Property	(inches	Prover Press psig (Pm		†	t	(P _w) or (P _t)	or (P _p) psia	(P _w) o	r (P _t) or (P _p)	(Hours)	(Barrels)	
Shut-In	.375					95				24hrs		
Flow						<u> </u>					<u> </u>	
			,		FLOW STR	EAM ATTRIE	UTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extension Pmxh		Grav Fac F _t	tor 1	Temperature Factor		viation Metered Flor actor R F _{pv} (Mcfd)		y GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m	
				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P.)	²= 0.207	
(P _c)² =		: (P _w) ²	=:	P _q =		% (P.	- 14.4) +	14.4 = _	:	(P _a):		
(P _c) ² - (I or (P _c) ² - (I	- 1	(P _c) ² - (P _w) ²	1. P _c ² - P _a ² 2. P _c ² - P _d ²	LOG of formula 1. er 2. and divide	P _c ² - P _w ²	Backpress Slope 	: == "n" :	n x 1	LOG	Antilog	Open Flow Deliverability Equals R x Antilog	
			divided by: Pc2-P	by:		Standar	d Slope	- 			(Mcfd)	
	-					 						
Open Flow Mcfd @ 14.6			.65 psia	5 psia Deliverability			Mcfd @ 14.65 psia					
		ned authority,		•	states that h	e is duly auti	horized to	o make th	ne above repo	rt and that he ha	s knowledge of	
the facts s	tated the	erein, and that	said report is tru	e and correc	₫. Executed	this the 150	<u>h</u>	day of D	ecember		, 20	
/	Qià	u M H	(if arry)	#AN:	Rece SAS CORPORA	eived TION COMMISSIO	ON C	<u> </u>	/ <u></u>	Company		
		For Con	mission		DEC 2	1 2015 -			Che	cked by		

	e laws of the state of Kansas that I am authorized to request									
exempt status under Rule K.A.R. 82-3-304 on be										
,	d statements contained on this application form are true and									
correct to the best of my knowledge and belief b	ased upon available production summaries and lease records									
• • •	npletion 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 #1									
gas well on the grounds that said well:										
(Check one)										
is a coalbed methane produc	eer									
is cycled on plunger lift due t	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 t	ime; KCC approval Docket No									
$\overline{\checkmark}$ is not capable of producing ϵ	at a daily rate in excess of 250 mcf/D									
I further agree to supply to the best of my a staff as necessary to corroborate this claim for	bility any and all supporting documents deemed by Commission exemption from testing.									
Date: 12/15/15										
Signs										
Received Signa KANSAS CORPORATION COMMISSION										
DEC 2 1 2015	Title: Dan Flowers, Production Superintendent									
CONSERVATION DIVISION 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.