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

Type Test	t				(	See Instruc	tions on Re	verse Side	)				
Op	en Flo	w			T4 D-4-				ADI	N- 46			
<b>✓</b> De	liverat	oilty			Test Date 06/20/13					No. 15 095 <b>-2</b> 1,713	-0000		
Company Phillips I		ratio	n Company	LC		<u>-</u>	Lease Moore				<del></del> -	Well Numb	ber
County Location Kingman W/2NENW				Section 18		TWP 27S				Acres Attributed			
Field					Reservoir Herringt			<del></del>	Gas Gat Lumen	thering Conn	ection		
Completion Date 1/13/97					Plug Bac 1680	k Total Depi	th		Packer 8 N/A	Set at			
Casing Size Weight 4 1/2 14				t	Internal D	Diameter Set at 1798			Perforations 1596		то 1608		
Tubing Size Weight 2 3/8				t	Internal C	Diameter	Set : 165			rations	То		
Type Con perf	npletio	n (D	escribe)		Type Flui	d Production	n			nit or Traveling ing unit	Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing) Annulus				% Carbon Dioxide				% Nitrog	en	Gas Gravity - G <sub>g</sub>			
Vertical D	epth(l	l)				Pres	sure Taps			<u></u>	(Meter I	Run) (Prov	rer) Size
Pressure	Buildu										13 <sub>at</sub> am		//) (PM)
Well on L	ine:		Started 06/2	21 2	0 13 at al	<u>m</u>	(AM) (PM)	Taken_06	3/22	20	13 <sub>at</sub> am	(AN	/I) (PM)
				<del>.,</del>	1	OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24	Hours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	Strut-In 3/8		P=0 ()				120	120	120	120	24	1 bbl	
Flow					,			•					
					-	FLOW STR	EAM ATTR	IBUTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension  P <sub>m</sub> xh	Gravity Factor F <sub>g</sub>		Temperature Factor		riation Metered Flor actor R F <sub>pv</sub> (Mcfd)		W GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>
_													
(5.12			- 45.10		•	OW) (DELIV		•		•		²= 0.207	
(P <sub>c</sub> )² =		<u></u>	(P <sub>w</sub> )² =	Choose formula 1 or 2	P <sub>d</sub> =			P <sub>c</sub> - 14.4) +	T	<del>:</del>	(P <sub>a</sub> ):	²= I	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>o</sub> )² - (P <sub>w</sub> )²		1. P <sub>c</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> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P2- P2	Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
									_				
		ofne	-					6					
Open Flor				Mcfd @ 14.	<del> </del>			ility 6mcf	-		Mcfd @ 14.65 psi		
				behalf of the					o make that day of <u>N</u>	-	rt and that he ha	s knowled	
					į.	KCC V	VICHIT	$\frac{7}{4}$	7 2	1	al		
·=			Witness (i	any)				MAT .	~ E	I C For	Company	<u> I</u> L	
			For Comm	ssion		APR 0	Z 2014 -	1 miller	درتج	Cher	cked by	<u> </u>	•

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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 Phillips Exploration Company 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 installation 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 $Moore "E" #2$ gas well on the grounds that said well:
(Check one)  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 is not capable of producing at a daily rate in excess of 250 mcf/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: 03/31/14  Signature: Title: Trans.

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. \*\*CC WICHITA\*\*

APR 0 2 2014