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

	Type Tes	t:		(See Instructions on Reverse Side)													
		oen Flow eliverabilt	<b>/</b>			Test Date: 3/19/2015					API No. 15 175-20146 <b>~000 l</b>						
•	Compan		ENERGY M	ANAC	GEMENT	Lease HITTLE									Well Number 1-27		
-	County SEWAR		Loc	Location NE SW SW			Section 27				RNG (E/W) 32W			Acres Attributed			
	Field LIBERA	L LIGHT	<u>-</u>			27 345 Reservoir CHESTER/MORROW					Gas Gathering C			n .			
-	Completi			-		Plug Bac	epth	l			et at						
-	Casing 9	Size	Wei 10.	_		Internal E 4.052	Diameter	er Set at 6260			Perforations 6098			то 6169			
-	Tubing S	iize	Wei	ght		Internal E	Diameter		Set a		Perfo	rations		То			
îMO	Type Completion (Describe)  MINGLE (GAS)				Type Fluid Production WATER						it or Travelin LUNGER		nger? Yes / No				
•	Producin ANNUL		Annulus / Tub	% Carbon Dioxide				, er - 1	% Nitrog	en		Gas Gravity - G					
-	Vertical I			Pressure Taps FLANGE								(Meter I	Run) (Pi	rover) Size			
-		Buildup:	Shut in	IARC	H 18 20	15 at 1			PM)	Taken_M	ARCH 1	9 20	15	at_1:00	(	AM) (PM)	
	Well on L	ine:	Started		20	) at	at (AM) (PM) Taken 20 at							(	AM) (PM)		
	_					-	OBSER	/ED SUR	FACE	E DATA			Dura	ation of Shut-	in_24.	0Hours	
	Static / Orill Dynamic Siz Property (inch		18 Prover Press		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperatu t	re (P,	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)		
-	Shut-In		paig (Fi	"',	Inches H <sub>2</sub> 0			psi	,	psia	555	569.4	24	.0	<del> </del>		
	Flow																
ſ		- I -		1			FLOW S	TREAM A	TTR	BUTES			- 1			<u> </u>	
	Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Circle ane: Meter or Prover Pressure psia		Press Grav Extension Fact  ✓ P <sub>m</sub> xh F <sub>g</sub>		or Temperat		ture	Fac	ation ctor	Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
Į																	
_	(OPEN FLOW) (DELIVERABILITY) CALCULATIONS $ (P_c)^2 = \underline{\hspace{1cm}} : \hspace{1cm} (P_w)^2 = \underline{\hspace{1cm}} : \hspace{1cm} P_d = \underline{\hspace{1cm}} \% \hspace{1cm} (P_c - 14.4) + 14.4 = \underline{\hspace{1cm}} : $												$(P_a)^2 = 0.207$ $(P_d)^2 = $				
	$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>o</sub> )²-(P <sub>w</sub> )²		se formula 1 or 2; . P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> . P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> d by: P <sub>c</sub> <sup>2</sup> - P <sub>g</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide by:		Backpressure Cu Slope = "n" or Assigned Standard Slope		e = "n" or signed	n×l	og [		Antilog	Open Flow Deliverability Equals R x Antilog (McId)		
	Open Flo	in.			Mcfd @ 14.6	S5 nsia	_	Deliv	/erab	ility			Mefd	l @ 14.65 psi	 a	İ	
-	•		ned authority,				tates that		_	-	make th	e above ren				ledge of	
t			rein, and that				t Evocut	ad thic th	. 19	) ,	day of M	•				20 15	
						KANSAS CORPORATION COMMISSION					BF	BRUNGARDT PUMPING					
_	Witness (if any)					JUN 2 <u>9_201</u> 5				TYLER BRUNGARDT							
			For Co	mmission	ı		co	NSERVAT WICHI	104.0			Che	ecked by	у			

exempt status under and that the foregoi	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator <u>FOUNDATION ENERGY MGMT, LLC</u> ng pressure information and statements contained on this application form are true and f my knowledge and belief based upon available production summaries and lease records
	ation and/or upon type of completion or upon use being made of the gas well herein named.
gas well on the grou	t a one-year exemption from open flow testing for the HITTLE 1-27  nds that said well:
is I further agree to	s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No s not capable of producing at a daily rate in excess of 250 mcf/D supply to the best of my ability any and all supporting documents deemed by Commission of corroborate this claim for exemption from testing.
	Signature: <u>CASCJ HALL</u> Title: <u>FOREMAN</u>

## 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.