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

Type Tes	t:				(	See Instruc	tions on Rev	verse Side	)				
Open Flow			Test Date:				Λ DI	No. 15					
Deliverabilty					9/27/20					5-20146 <b>– 0</b> 0	201		
Company FOUNDATION ENERGY MANAGEMENT			Lease HITTLE						1-27	Well Number 1-27			
County SEWARD			Location NE SW		Section 27		TWP 34S		RNG (E/W) 32W		Acres Attributed		
Field ARKALON					Reservoir CHESTER			Gas DC		hering Conn	ection	-	
Completion Date 4/30/79					Plug Back Total Depti 6301		th	Packer Set at 6043		Set at			
Casing Size			Weight		Internal Diameter 4.090		Set at 6260		Perforations 6098		To 6169		
Tubing Size 2.375			Weight 4.7		Internal Diameter 1.995		Set at 6043		Perforations		То		
Type Completion (D SINGLE GAS					Type Fluid Production WATER			Pu		nit or Traveling	Plunger? Yes	/ No	
Producing Thru (Ani			nulus / Tubing	)	% Carbon Dioxid		ide				Gas Gr	Gas Gravity - G	
TUBING Vertical D		1)				Pres	sure Taps			<del></del>	(Meter F	Run) (Prover) Size	
5659	, op.i.i(i	•,				FLA	-				(motor :	10117 (1 101017 0120	
Pressure	Buildu	p:	Shut in9/26	2	<sub>0</sub> _13 <sub>at</sub> _1	:00	(AM) (PM)	Taken_9/2	27	20	13 at 1:00	(AM) (PM)	
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
	ı		<u> </u>	_		OBSERVE	D SURFACE	DATA			Duration of Shut-	24.0 Hours	
Static / Orifice Dynamic Size Property (inches)		е	Circle one:  Meter  Prover Pressur		Flowing Well Head Temperature		(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_l)$ or $(P_c)$		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0			psig	psia	psig 409	psia 423.4	24.0		
Flow										,			
			- <del>-</del> -			FLOW STR	REAM ATTRI	BUTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or ver Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Flowing Devia Femperature Factor F <sub>p</sub> ,		tor R		y GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
										-			
					•	. ,	ERABILITY)				(P <sub>a</sub> ) <sup>2</sup>	2 = 0.207	
(P <sub>c</sub> ) <sup>2</sup> =	I	_:_	(P <sub>w</sub> ) <sup>2</sup> =_	; hoose formula 1 or 2				<u>- 14.4) +</u>	14.4 =	:	(P <sub>d</sub> ) <sup>2</sup>	'=	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ vided by: $P_c^2 - P_a^2$	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)	
						<u></u>		_	_				
Open Flow Mofd @ 14.65				65 psia	5 psia Deliverability			Mcfd @ 14.65 psia					
											rt and that he ha		
ine tacts st	tated th	nereii	n, and that sai	d report is true				(	day of	E. ILIVIDEN	•	, 20 <u>13</u> .	
			Witness (if	any)		<u>WIC</u> H			В	RUNGARDT	PUMPING		
			For Commis	sion	MUL	<u>2 2 2</u> 01	5 _		T	YLER BRUI	VGARDT ked by		

RECEIVED

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 FOUNDATION ENERGY MGMT, LLC 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 HITTLE 1-27  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: JUNE 16, 2015
Signature: <u>CASCG 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.