KCC WICHITA

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

Type Test					(	See Instruct	ions on Rev	erse Side	)				
☐ Open Flow ☐ Deliverabilty				Test Date: 06/04/2011				API No. 15 15-129-21726 <b>~ ○○                                 </b>					
Company MERIT E		SY CC	DMPANY				Lease MURPH	Y C		****	3	Well Nun	nber
County Location MORTON 1320 FSL & 330 FV				Section 11		TWP RNG ( 32 41		RNG (E.	•		Acres Attributed 640		
Field RICHFIE	LD	· · ·			Reservoir LOWER	r R MORROV	v		Gas Gat APC	hering Conn	ection		
Completic 04/28/20		)			Plug Bac 5517	k Total Dept	h		Packer S NA	Set at			
Casing S 5.5	ize		Weight 15.5#		Internal Diameter 4.95		Set at 5597		Perforations 5088		To 5228		
Tubing Si 2.375	ize		Weight 6.5		Internal Diam 2.441		ameter Set at 5085		Perforations NA		To NA		
Type Con SINGLE	•	•	ribe)	· ,-	Type Flui WATE	d Production	)		Pump Ur YES	nit or Traveling	Plunger? Yes	/ No	
Producing		(Annul	us / Tubing	)	% C	Carbon Dioxid	de		% Nitrog	en	Gas Gra	avity - G	<u> </u>
Vertical D 5517	epth(H)	)	-			Press FLA	sure Taps NGE				(Meter F	Run) (Pro	over) Size
Pressure	Buildup	: Sh	ut in _06/0	14 2	0 11 at 9	:00 AM	(AM) (PM)	Taken_06	/05	20	11 <sub>at</sub> 9:00 A	M(A	AM) (PM)
Well on L	ine:	Sta	arted	2	0 at		(AM) (PM)	Taken		20	at	(#	4M) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-	ln	Hours
Static / Dynamic Property	Orific Size (Inche	  -	Circle one: Meter rover Pressui psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	perature $(P_w)$ or $(P_1)$ or $(P_c)$			Produced arrels)			
Shut-In	1.75	1		<del>                                     </del>			psig	psia 51	pslg	psla 13	24		
Flow													
			. [		1	FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiedent (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Me Prove	cie one: eter or Pressure osia	Press Extension Pmxh	Gravity Factor F <sub>e</sub>		Temperature Fac		iation Metered Flow ctor R F <sub>pv</sub> (Mcfd)		w GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G <sub>m</sub>
								<u> </u>					
(P <sub>e</sub> ) <sup>2</sup> =		:	(P <sub>+</sub> )² =_	:	(OPEN FLO		ERABILITY) 6 (P	CALCUL.			(P <sub>a</sub> ) <sup>2</sup> (P <sub>a</sub> ) <sup>2</sup>	2 = 0.20 2 =	7
(P <sub>e</sub> ) <sup>2</sup> - (I	P.)*	(P <sub>e</sub> ) <sup>2</sup>	- (P <sub>u</sub> ) <sup>2</sup>	1. P <sup>2</sup> -P <sup>2</sup> 2. P <sup>2</sup> -P <sup>2</sup> Midded by: P <sup>2</sup> -P <sup>2</sup>	LOG of formula 1, or 2. and divide	P2. P2	Backpress Slope Assi	sure Curve = = "n" or	n x	Г	Antilog	Ope Deliv Equals	en Flow rerability R x Antilog Mcfd)
								<del>.</del>					
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	ity	1		Mcfd @ 14.65 psi	a	
				d report is true				TH (	day ofD	ECEMBER Cheen	Park o		edge of
		· · · ·	For Commis	sion	<del></del>	<del></del> -	_	···		Chec	cked byDEC	162	011

	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request us under Rule K.A.R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY
	e foregoing pressure information and statements contained on this application form are true and
	e best of my knowledge and belief based upon available production summaries and lease records
f equipmer	nt installation and/or upon type of completion or upon use being made of the gas well herein named.  request a one-year exemption from open flow testing for the MURPHY C-3
	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
	r agree to supply to the best of my ability any and all supporting documents deemed by Commissio essary to corroborate this claim for exemption from testing.
oate: 12/15	<del>//2011</del>
	Signature: M. Chees Patrice
	Title: REGULATORY ANALYST

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.