KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:					(See Instruc	ctions on Rev	rerse Sia	le)					
Open Flow						Tool Date:								
Deliverabilty				Test Date: 05/07/2011				API No. 15 15-129-21635 - 🗢 🗢						
Company MERIT ENERGY COMPANY					Lease MURPHY C			Well Number						
County Location			Section				RNG (E	./W)		Acres Attributed				
MORTON 990 FSL & 1980 FEL			11		32		41 W		640					
Field RICHFIELD				Reservo MORR				Gas Gathering Conn. APC		ection				
Completion Date 06/01/2001				Plug Bac 5300	Plug Back Total Depth 5300			Packer : NA	Set at					
Casing Size 5.5			Weight 15.5#		Internal Diameter 4.95		Set at 5515		Perforations 4898		то 5116			
-			Weig	ht	Internal Diameter		Set at		Perforations		То			
2.375 4.7			1.995	id Deadwalia				NA NA						
Type Completion (Describe) SINGLE GAS				Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes / No YES							
Producin TUBIN	_	u (An	nulus / Tubin	g)	% (Carbon Diox	ide		% Nitrog	jen	Gas G	iravity -	G _g	
Vertical Depth(H) 5181				Pressure Taps FLANGE				(Meter Run) (Prover) Size						
Pressure	Builde	up:	Shut in _05/	07 2	0 11 at 9	:00 AM	(AM) (PM)	Taken 0	5/08	20	11 at 9:00 /	4M	(AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
	· · · · · ·					OBSERVE	D SURFACE	DATA			Duration of Shu	t-in	Hours	
Dynamic S		ice ze	Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Wallhaad Proceur		Tubing Wellhead Pressure		Duration	Liqui	Liquid Produced	
		ches) Prover Press psig (Pm)		in Inches H ₂ 0	t	t	(P _w) or (P ₁) or (P _c)		(P _w) or (P ₁) or (P _c)		(Hours)	((Barrels)	
Shut-In	1.25	5						62	,	45	24			
Flow														
		,				FLOW STR	EAM ATTRIE	BUTES		·'				
Plate Coefficeient (F _b) (F _c) Mcfd		Gircle one: Meter or Prover Pressure psia		Press Extension P _m x h	Grav Fact	· 1 7	Flowing Femperature Factor F _{tt}	nperature Factor F		Metered Flow R (Mcfd)	GOR (Cubic Fo	eet/	Flowing Fluid Gravity G_m	
> _c)² =			/D)2 _				ERABILITY))2 = 0.20	07	
c'	Ī	<u></u> :	(P _w) ² =	Choose formula 1 or 2:	P _d = .		т	- 14.4) +	14.4 =		(P _d ,) ² =		
$(P_c)^2 - (P_a)^2$		(P _c) ² · (P _w) ²		1. P _c ² -P _a ²	LOG of formula		Backpressure Curve Slope = "n"		n x LOG		A - 414	1	Open Flow Deliverability	
(P _c) ² - (P _d) ²				2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_g^2$	1. or 2. and divide by:	P.2. P.2	Assig	Assigned Standard Slope			Antilog Equals R x (Mcfd)		R x Antilog	
pen Flow	<u> </u>			Mcfd @ 14.6	5 psia		Deliverabilit	у		٨	//cfd @ 14.65 ps	a		
The u	ndersi	gned	authority, on	behalf of the (Company, st	ates that he	is duly auth	orized to	make the	e above repor	t and that he ha	s knowl	edge of	
e facts sta	ated th	nerein	, and that sa	id report is true	and correct	. Executed t	this the 15T	<u>H</u> .	tay of DE	CEMBER	····	, 2	0 11 .	
			Witness (if	any)	······································		·	W	Ch	up for Co	tuck	> R	ECEIVE	
									•	Fulco	parcy	• `		
			For Commis	ssion						Check	ed by	JL	JL 172	

exempt status under Rule K.A.F and that the foregoing pressur	perjury under the laws of the state of Kansas that I am authorized to request R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY e information and statements contained on this application form are true and edge and belief based upon available production summaries and lease records
	upon type of completion or upon use being made of the gas well herein named. r exemption from open flow testing for the MURPHY C-2 id well:
is cycled on is a source of is on vacuum is not capab I further agree to supply to	methane producer plunger lift due to water of natural gas for injection into an oil reservoir undergoing ER in at the present time; KCC approval Docket No le of producing at a daily rate in excess of 250 mcf/D the best of my ability any and all supporting documents deemed by Commission te this claim for exemption from testing.
Date: 12/15/2011	Signature: MChur Patricu 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.

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