KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

RECEIVED

JAN 0 5 2011

Type Tes						(See Inst	tructi	ons on Re	everse Side)				KOO	י אווי	
Open Flow					Test Date				API No. 15					KCC WICH			
✓ Deliverabilty					09/20/2010				15-189-22409 -								
Company MERIT ENERGY COMPANY						Lease COTTRI				RELL A	ELL A					Well Number 3	
County Location STEVENS 2310 FSL & 1320 FEL				Section 32			TWP 34		RNG (E/W) 38W				Acres Attributed 640				
Field BRECHEISEN WEST					Reservoir LOWER MORROW			/	Gas Gathering Conn APC			necti	on				
Completion Date 01-01-2002					Plug Back Total Depth 6540			1	Packer Set at NA								
Casing S 55					Internal Diameter 4.95			Set at 6593		Perforations 6366			то 6378				
Tubing S 2.375	bing Size Weight 375 4.7				Internal Diameter 1.995			Set at 6316		Perforations			То				
Type Completion (Describe) SINGLE GAS				Type Flui COND				Pump Unit or Traveling YES			ng Plu	unger? Yes	/ No				
Producing TUBING	•	(Annu	lus / Tubir	ng)		% C	arbon D	ioxid	le	• • • • • • • • • • • • • • • • • • • •	% Ni	trogen		Gas Gr	avity - (G _g	
Vertical D	Depth(H)					F	ress	ure Taps				•	(Meter	Run) (P	rover) Size	
Pressure	Buildu	o: Sh	nut in _09	/20	20	10 at 8	:30 AN	1 ((AM) (PM)	Taken_09	9/22	2	0 10	8:30 A	M	(AM) (PM)	
Well on L	ine:	Şt	arted		20) at		((AM) (PM)	Taken		2	:0	_ at	((AM) (PM)	
							OBSER	RVED	SURFAC	E DATA			Du	ration of Shut-	in_48	Hour	
Static / Dynamic Property	ic Size		Circle one: Meter rover Press psig (Pm)	Differen	Pressure Differential in Temperature Inches H ₂ 0 Temperature		Well Head Temperature t		Casing Wellhead Pressure (P_w) or (P_l) or (P_c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia			Duration (Hours)		Liquid Produced (Barrels)	
Shut-in	2.25				2				90	psia	pary para		48	48			
Flow				•										•			
					•		FLOW S	STRE	AM ATTR	IBUTES					·····		
Plate Coeffiec (F _n) (F Mcfd	ient ,)	Circle one: Meter or Prover Pressure psia		Extensi	Press Extension ✓ P _m x h		ity or	Flowing Temperature Factor F ₁₁		Deviation Factor F _a		Metered Fi R (Mcfd)	ow	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
····				<u> </u>													
(P _c) ² =		_:	(P _w)² =	=	:	(OPEN FLO		LIVE %) CALCUL P _c - 14.4) +					2 = 0.2 2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² · (P _w) ²		1. P _c ² -P _c 2. P _c ² -P _c	hoose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ vided by: $P_c^2 - P_a^2$		P _c ² · P _w ²		Backpressure Curve Slope = "n" or Assigned Standard Slope		,	x LOG		Antilog	Open Flow Deliverability Equats R x Antilog (Mctd)		
Open Flov				Mcfd @	14 6	5 osia			Deliverab	ility			Mct	d @ 14.65 psi	a		
		ned a	uthority o				tates the	t he		· ·	make	e the above rep				adaa of	
												JANUARY	ortal	ы шаг пе ла		edge of	
								_	_	MERIT	ENEF	RGY COMPANY		· .			
			Witness (if any)						CIND	Y CH	IAVEZ	Compa	uny			

Checked by

For Commission

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY
•	the foregoing pressure information and statements contained on this application form are true and
	o the best of my knowledge and belief based upon available production summaries and lease records
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
l her	reby request a one-year exemption from open flow testing for the COTTRELL A 3
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
	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date: <u>0</u> 1	1/03/2011
	Signature: Athu Chauz
	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.