KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	pen Fl				Test Dat		tions on Rev	rerse Sid	, AD	l No. 15	-~\· \			
✓ Deliverabilty 02/06/2011 Company							15-175-21648 - 🗢 Well Number						umber	
MERIT ENERGY COMPANY County Location S					Section	HARNDEN Section TWP			RNG (E/W)			A-3 Acres Attributed		
SEWÁRD 660' FNL & 1980' FWL				34			33 33W				640			
				Reservoi CHEST				Gas Gathering Conne		ection				
•				Plug Bad 5960'	ck Total Dep	th		Packer : NA'	Set at					
Casing Size 5.5			Weight 15.5#		Internal Diameter 4.95		Set at 6337'		Perforations 5839'		т _о 5860'			
Tubing Size 2.375			Weig 4.7	ht .	Internal Diamete		Set at 5790'		Perforations		To NA			
Type Completion (D					Type Fluid Production				Pump Unit or Traveling F					
						NONE % Carbon Dioxide			NO % Nitrogen			Gas Gravity - G		
TUBING	_												~q	
Vertical Depth(H) 5849'					Pressure Taps FLANGE					(Mete 3	r Run) (P	rover) Size		
				11 at 1	11 at 1:00 PM (AM) (PM) Taken 0			2/07	20		PM	(AM) (PM)		
Well on L	.ine:				0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
					· -	OBŞERVE	D SURFACE	DATA		-	Duration of Shu	t-in	Hours	
Static / Dynamic Property	Orifice Size (inches)		Circle one Mater Prover Press psig (Pm)	1	Flowing Well Head Temperature t		(P _w) or (P _t) or (P _o)		Tubing Wellhead Pressure (P ₌) or (P ₁) or (P _c)		Duration (Hours)	Liqui	d Produced Barrels)	
Shut-In_	.50	-	paig (1 m)	inches ri _s o	/		psig	psia 160	psig	psia 70	24			
Flow														
						FLOW STR	EAM ATTRII	BUTES				_ ,		
Plate Coefficient (F _b) (F _p) Mcfd		Circle ona: Mater or Prover Pressure psia		Press Extension	Grav Fact	tor T	Temperature Fac		riation Metered Flow actor R F _{pv} (Mold)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
									l					
P _c) ² =		_;	(P _w) ² =	::	OPEN FLO	OW) (DELIVE		- 14.4) +		:) ² = 0.2) ² =	07	
$(P_g)^2 - (P_g)^2$ or $(P_g)^2 - (P_g)^2$		(P ₄) ² - (P ₄) ² 1		Choose formula 1 or 2: 1. P _c ² · P _a ² 2. P _c ² · P _d ² divided by: P _c ² · P _c ²	LOG of formula 1, or 2. and divide	Backpress Slope)f)f	пхl	.06	Antilog	Del Equals	en Flow iverability R x Antilog Mcfd)	
				онностоу, т с ^{- т} w		<u> </u>					·	 	•	
Open Flow	<u> </u>	Mcfd @ 14.65 psia			Deliverability		Mcfe		Mcfd © 14.65 ps	I ② 14.65 psia				
The u	nders	igned	authority, o	n behalf of the	Company, s	tates that he	is duly auti	norized to	make the	e above repor	rt and that he h	as know	edge of	
e facts st	ated tl	nereir	n, and that sa	aid report is true	and correct	. Executed t	this the 127	TH (tay of Di	ECEMBER			20 11	
			Witness (i	f eny)					M	Che	unch f	ali Ri	CER IF	
			For Comm	ierina		· · · · · · · · · · · · · · · · · · ·						110	-UCIVE	
										Unec	ked by	DE	C 162	

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exempt status to and that the for correct to the be of equipment in I hereby rec	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY regoing pressure information and statements contained on this application form are true and est of my knowledge and belief based upon available production summaries and lease records istallation and/or upon type of completion or upon use being made of the gas well herein named. Quest a one-year exemption from open flow testing for the HARNDEN A-3 grounds that said well:
I further ag	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 ree to supply to the best of my ability any and all supporting documents deemed by Commission ary to corroborate this claim for exemption from testing.
	Signature: When and a signature: 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.