KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				('See Instruct	ions on Re	verse Side					
Open Flow				Test Date:				API No. 15					
✓ Deliverabilty 02/08/2011						011	15-175-21579-00-00						
Company MERIT ENERGY COMPANY							Lease UNDERWOOD				Well Number A-4		
County SEWARD			Location 1980' FNL & 1345' FEL		Section 23		TWP 34		RNG (E/W) 34W		Acres Attributed 640		
Field ADAMSON					Reservoir LOWER MORROW		٧			hering Conne	ection		
Completion Date 01/04/1997					Plug Back Total Depth 6490'		h	Packer Set at NA		Set at			
Casing Size 5.5			Weight 15.5#		Internal Diameter 4.95		Set at 6549'		Perforations 6098'		то 6126'		
ubing Size			Weigh 4.7#	t	Internal Diameter 1.995		Set at 6219 '		Perforations NA		To NA		
Type Completion (De			Describe)		Type Fluid Production NO)			it or Traveling	Plunger? Yes / No YES		
Producing Thru (Annulus / Tubing) % Carbon Dioxi CASING						de % Nitrogen			Gas Gravity - G _g				
Vertical Depth(H) 6241'				Pressure Taps FLANGE						(Meter Run) (Prover) Size 3			
				0 11 at 9	11 at 9:00 AM (AM) (PM) Taker			2/09	20	11 at 9:00 AM (AM) (PM)			
Well on L	ine:		Started	2) at		(AM) (PM)	Taken		20	at	(AM) (PM)	
			,			OBSERVE	D SURFAC	E DATA			Duration of Shut	-in Hours	
Static / Dynamic Property	ic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P _t) 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	ut-In 0.75						. 3	32		0	24		
Flow													
						FLOW STR		IBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fac F _c	tor	Flowing Temperature Factor F ₁₁		eviation Metered Flo Factor R F _{pv} (Mcfd)		v GOR (Cubic Fe Barrel)	l Gravity I	

)² =			(P _w) ² =		(OPEN FL	OW) (DELIV) CALCUL P _c - 14.4) +			(P _a) (P _d)	$r^2 = 0.207$	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_a^2 - P_a^2$	LOG of formula 1. or 2. and divide		Backpressure Slope =		n x l	Г	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				ornsed by. 1 c 1 w									
					1								
Open Flow Mcfd @ 14.65 psia						Deliverability Mcfd @ 14.65 psia							
		•	•				•			=	rt and that he ha		
e facts s	tated t	herei	n, and that sa	aid report is true	and correc	t. Executed	this the 14	<u>n</u>	day of	ECEMBER	D+ -	, 20 11	
			Witness (i	fany)					LI	My For C	Hutuu Company	RECEIVE	
			For Comm	ission		·	-			Chec	cked by	DEC 14 2	

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 MERIT ENERGY COMPANY
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
(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.
Signature: MCheuse Parties 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.