KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test		J		(See Instructi	ions on Reve	erse Side,)				
Open Flow Deliverabilty			Test Date: 07/10/2014			API No. 15 15-175-21633-0000						
Company MERIT ENERGY COMPANY				Lease MALIN						١	Well Number A-4	
County Location SEWARD 800' FNL & 1700' FEL			Section TWP 334 33S				RNG (E/ 34W	W)		Acres Attributed 640		
Field ARCHER			Reservoir LOWER MORROW				Gas Gat APC	hering Conn	ection			
Completion Date 07/27/1997			Plug Back Total Depth 6100'				Packer S NA'	Set at				
Casing Size Weight 5.5 15.5#			Internal Diameter 4.95		Set at 6457'		Perforations 5957'		то 5974'			
		Weigh 4.7	t	Internal D 1.995		Diameter Set at 6130'		Perforations NA		To NA	 , , , , , , , , , , , , , , , , , ,	
Type Completion (Describe) SINGLE GAS				d Production			Pump Unit or Travelin		g Plunger? Yes / No			
Producing Thru (Annulus / Tubing)			% Carbon Dioxide				% Nitrogen		Gas Gra	Gas Gravity - G		
TUBING Vertical Depth(H) 5965'			Pressure Taps FLANGE						(Meter F	Run) (Prover) Size		
		09/2014 2	PLANGE 20 at 9:30 AM (AM) (PM) Taken			raken_07	/10/201	14 20		M (AM) (PM)		
Well on L	•									at		
					OBSERVE	D SURFACE	DATA	-		Duration of Shut-	in 24 Hours	
Static / Dynamic Property	mic Size Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psla		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.75	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				75.0	psia	parg	psia	24		
Flow				_								
	- 1	Circle one:			FLOW STR	EAM ATTRI	BUTES	l		 _	Flavias	
Plate Coefficcient (F _b) (F _p) Mcfd		Press Prover Pressure psia Prover Pressure psia Press Extension Prover Pressure		Gravity Factor F _g		Flowing Temperature Factor F _{rt}	Deviation Factor F _{pv}		Metered Flor R (Mcfd)	v GOR (Cubic Fe Barrel)	Gravity	
			<u> </u>									
(P _c) ² =		: (P _w) ² =	:;	(OPEN FL	• •	ERABILITY) % (P,	CALCUL - 14.4) +		:	(P _a) (P _d)	² = 0.207 ² =	
(P _c) ² - (or (P _c) ² - (P _a) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_a^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide		Backpres Slope Assi	sure Curve e = "n" or igned rd Slope		LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	-											
Open Flo	ıw	1	Mcfd @ 14.	65 psia		Deliverabil	itv	l		 Mcfd @ 14.65 psi	 ia	
		ned authority, o			states that h			o make th	ne above repo	ort and that he ha		
the facts s	stated th	erein, and that s	aid report is true	e and correc	t. Executed	this the 22	ND	day of _	ECEMBER		, 20 <u>14</u>	
		Jan.	74 A		Receive	d conviccion		MER		GY COMPA	ANY	
_		Witness	ir any)		ORPORATION	J	<u>ANNA</u>	BUR	TON /	Company Sama Bu	rton_	
		For Com:	nission	D	EC 29	ZU14 -		-	Ø	cked by		

CONSERVATION DIVISION WICHITA, KS

exempt status und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY poing pressure information and statements contained on this application form are true and
	of my knowledge and belief based upon available production summaries and lease records
	Illation and/or upon type of completion or upon use being made of the gas well herein named.
	est a one-year exemption from open flow testing for the MALIN A-4
	ounds that said well:
-	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 at to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
	Signature: JANNA BURTON Jama Burton 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.