KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			ĺ	See Instruct	tions on Reve	erse Side)				
🗌 Ор	en Flow									•		
Deliverability				Test Date: 03/11/2015			API No. 15 15-175-21648-0000					
Company MERIT E	, ENERG	Y COMPANY				Lease HARNDE	N				Well Nu A-3	mber
County Location SEWARD 660' FNL & 1980' FWL			Section 34	and the second s		TWP 33S		W) .		Acres Attributed 640		
Field EVALYN		-		Reservoir CHESTI		-	<u> </u>	Gas Gat	hering Conn	ection		
Completion Date 09/27/1997			Plug Bac 5960'	k Total Dept			Packer S NA'	Set at				
Casing Size Weight 5.5 15.5#			Internal Diameter 4.95		Set at 6337'		Perforations 5839'		т _о 5860'			
Tubing Size Weight 2.375 4.7			Internal Diameter 1.995		Set at 5790'		Perforations NA		To NA			
Type Completion (Describe) SINGLE GAS			Type Flui NONE	d Production	1	Pump Unit NO		nit or Traveling	t or Traveling Plunger? Yes / No			
Producing		Annulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	en	Gas G	ravity - C	a _g
Vertical Depth(H) Pressure Taps 5849' FLANGE						(Meter Run) (Prover) Size						
Pressure	Buildup:	Shut in03/1	111 111 2	15. at 9	:30 AM	(AM) (PM)	Taken 03	3/12		15 at 9:30 A	M (AM) (PM)
Well on L	ine:	Started	2	0 at		(AM) (PM) 1	ľaken		20	at	(AM) (PM)
					OBSERVE	D SURFACE	DATA			Duration of Shut	in 24	Hours
Static / Dynamic Property	Orifice Size (inches	Meter Prover Pressur	Pressure Differential in. Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	I Wallhoad Prescura		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c) psig psia				d Produced Barrels)
Shut-In	.50					80.0	pola	poig	polu	24		
Flow												
				-	FLOW STR	EAM ATTRIE	BUTES					
Plate Coeffiecient (F _b) (F _p) Mofd		Circle one: Meter or Prover Pressure psia	Press Extension P _m x h	Extension Factor		Flowing emperature Factor F _I ,	Deviation Factor F _{pv}		Metered Flov R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
<u></u>												
$(P_c)^2 = $: (P _w)² ≔_	:	(OPEN FLO		ERABILITY) % (P。	CALCUL - 14.4) +		:	(P _a) (P _a)) ² = 0.2	07
(P _e) ²⁻ - (F or (P _e) ² - (F	- I	(P _c) ² ~ (P _w) ²	thoose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ tivided by: $P_c^2 - P_a^2$	LOG of formula 1, or 2, and divide	b.sb.s	Slope C Assi	ure Curve = "n" or gned d Slope	nx	LOG	Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)
Open Flow	<u>} } </u>			Deliverability			Mcfd @ 14.65 psia					
		ned authority, on	Mcfd @ 14.		tates that he		<u> </u>	make th		rt and that he ha		ledge of
the facts st	tated the	rein, and that sa	id report is true	and correct	t. Executed	this the 30t	<u>h</u> (day of N	ovember		, 2	20 <u>15</u> .
				KANS	Rece	i ved TION COMMI <u>SS</u>	ON	Merit	Energy (
		Witness (If			DEC 0			Ka	therine M	Company IcClurkan		
		For Commi	ssion		טבט ט				Chec	cked by		1

CONSERVATION DIVISION WICHITA, KS

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 Harnden 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 mct/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.
Date: November 30, 2015
Received KANSAS CORPORATION COMMISSION DEC 0 2 2015 CONSERVATION DIVISION WICHITA, KS Signature: Katherine McClurkan Youhuwi MCLurk Fitle: 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.