KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	erse Sid	a)			
□ Op	en Flo	w			T-10-1					M- 45		
De	liverab	ilty			Test Date 6/9/11);			15-	∣No. 15 997-21456 ∹	,,,,, 033-2	1456-00-00
Company		PER	ATING CO	MPANY, LLC			Lease McMOR	AN G	u.		A-2	Well Number
County COMANCHE			NE SZ SW SE		Section 17		TWP 35S	,	RNG (E/W) 16W		Acres Attributed	
Field YELLOV	vsto	NE	NORTH		Reservoir MISSIS					thering Conn	ection D SERVICES	
Completion Date 2/10/06					Plug Back Total Depti 5877		th	Packer Set at NONE		Set at		
Casing Size 4.500			Weight 10.50		Internal Diameter 4.052		Set at 5877		Perforations 5350		то 5452	
Tubing Size			Weight		Internal Diameter		Set at		Perforations		То	
2.375	noletio	n (De	4.70		1.995	d Production		5531 OPEN Pump Unit or Tra			Plunger? Yes	/ No
Type Completion (Describe) SINGLE				WATER, OIL				PUMF		, rianger. Too	, ,,,	
Producing ANNUL	•	(Anr	nulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	jen	Gas Gra	avity - G _g
Vertical D 5401	epth(H	1)				Pres	sure Taps	-			(Meter F	Run) (Prover) Size
Pressure	Buildu	p:	Shut in6/8/	11 2	0 at		(AM) (PM)	Taken 6	/9/11	20	at	(AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA	_	-	Duration of Shut-	inHours
Static / Dynamic Property	Dynamic 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 _m) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In			poig (i iii)	110.00 1120			psig 105	psia	O	psia	24	
Flow												
r	······································				Т	FLOW STR	EAM ATTR	BUTES				
Plate Coeffiec (F _b) (F Mcfd	ient p)	Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Grav Fact F _s	ior	Flowing Temperature Factor F ₁₁	F	viation actor F _{pv}	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUI	LATIONS		(P _*)	² = 0.207
(P _c) ² =	1	<u>_:</u>	(P _w) ² =	: Choose formula 1 or 2	P _d =		% (P	_c - 14.4) +	14.4 =	;	(P _d) ³	°=
(P _c) ² - (I or (P _c) ² - (I	•	(F	P _e) ² · (P _*) ²	1, P _c ² - P _c ² 2, P _c ² - P _c ² tivided by: P _c ² - P _c ²	LOG of formula 1. or 2. and divide	P ₂ . P ₂	Stop Ass	sure Curve e = "n" or signed ard Slope	l n x	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
]			<u> </u>
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	lity			Mcfd @ 14.65 psi	a
		_	•	behalf of the						ne above repo	ort and that he ha	s knowledge of, 20 <u>11</u> .
			.,	a roport is nut	. 4110 001160	Endouled			LC			RECENTER
			Witness (if	any)			_	WW			ompany	- ····×►×□\ΛΕΓ\
			For Comm	sslon			_			Che	cked by	DEC 3 0 201

exempt status under and that the foregoin correct to the best of of equipment installa	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC ng pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. a one-year exemption from open flow testing for the McMORAN A-2
gas well on the grou	nds that said well:
is is is	s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No s not capable of producing at a daily rate in excess of 250 mcf/D
_	o supply to the best of my ability any and all supporting documents deemed by Commission ocorroborate this claim for exemption from testing.
Date: 11/13/11	Signature: When I Hallage Title: FIELD MGR.

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.