KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruc	tions on Reve	erse Side	9)					
O _f	en Flo	W			Test Date				A D1	No. 45				
☐ De	eliverab	ilty			9/28/14					No. 15 033-21212-1	00-00			
Company WOOLSEY OPERATING COMPANY, LI					;	Lease McMORA	Lease McMORAN				Well Number			
County Location COMANCHE SW NE SE					Section 8		TWP 35S		RNG (E/W) 16W			Acres Attributed		
Field YELLOV	vsto	NE	NORTH		Reservoi LANSIN					hering Conn KFIELD SE				
Completion Date 6/24/01				•	Plug Bac 5423	k Total Dept	th	n Packer Set at NONE			_		<u> </u>	
Casing S 4.500	ize		Weigh 10.50	t	Internal E 4.052	Diameter	Set at 5449		Perfo 492	rations B	то 4954			
Tubing S 2.375	ize		Weigh 4.70	Weight Internal Diameter		Diameter	Set at 5035		Perforations OPEN		То			
Type Cor SINGLE		n (Do	escribe)		Type Flui WATE	d Production	n		Pump Ur PUMP		Plunger? Yes	/ No		
Producing	-	(Anı	nulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G	i _g	
Vertical E		I)				Pres	sure Taps				(Meter	Run) (Pr	over) Size	
Pressure	Buildu	p:	Shut in9/27	7/14 2	20 at		(AM) (PM) 1	9/:	28/14	20	at		AM) (PM)	
Well on L	ine:		Started	2	.0 at		(AM) (PM) 1	aken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in	Hours	
Static / Dynamic Property	Orifi Size (inche	е	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature	Well Head Temperature t	Casin Wellhead P (P _w) or (P _t)	ressure or (P _c)	Wellhe	ubing ad Pressure (P ₁) or (P ₀)	Duration (Hours)		l Produced Barrels)	
Shut-In			, , ,				100	psia	60	psia	24			
Flow														
					·	FLOW STR	EAM ATTRIE	UTES						
Plate Coeffiec (F _b) (F Mcfd	ient p)	Pro	Circle one: Meter or over Pressure psla	Press Extension P _m x h	Grav Fact F	tor 1	Flowing Femperature Factor	Fa	ation ctor pv	Metered Flow Fl (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _{m:}	
			_			``								
(P _c) ² =			(P _w) ² =	:	(OPEN FLO		ERABILITY)	CALCUL - 14.4) +		•	(P _a) [;] (P _d)	2 = 0.20 2 =)7	
(P _c) ² - (F		(F	P _c) ² -(P _w) ²	1. P _c ² - P _d ² 2. P _c ² - P _d ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpress Stope o Assig	ure Curve = "n" r	n x l	.og	Antilog	Opi Deli ⁱ Equals	en Flow verability R x Antilog	
 			- '	fivided by: $P_c^2 - P_w$	2 by:	<u> </u>	Standar	a Slope				<u> </u>	Mcfd)	
						_								
Open Flow N			Mcfd @ 14.	ofd @ 14.65 psia			Deliverability		Mcfd @ 14.65 psia					
The t	undersi	gned	d authority, or	behalf of the	Company, s	tates that h	e is duly auti			•	ort and that he ha	s knowl	edge of	
the facts s	tated th	nerei	n, and that sa	id report is tru	e and correc	t. Executed	this the 27			CTOBER	9/ 10	1) 14	
			Witness (it	any)		Re A NSAS CO RPO	Ceived RATION COMMI	SSION	Wi		Company	سامنر		
			For Commi	ssion		DEC	3 1 2014	<u> </u>		Chec	cked by			

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 WOOLSEY OPERATING CO., LLC 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 McMORAN 3 gas well on the grounds 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
I further agree to supply to the best of my ability any and all supporting documents deemed by Commissio staff as necessary to corroborate this claim for exemption from testing.
Date: 10/27/14
Signature: Wall Hally 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.