## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(	See Instruc	tions on Rev	erse Side	•)				
□ Op	en Flov	٧							4.51	No. 15			
Deliverabilty				Test Date 10/7/14				0000					
Company WOOLSEY OPERATING COMPANY, LLC					Lease McMORAN				35		Well Number A-5		
County Location COMANCHE NE NE SE				Section 7			TWP RNG (E 35S 16W		W)	Acres Attributed			
Field YELLOWSTONE NORTH				Reservoir MISSIS	SIPPIAN				hering Connu	ection D SERVICES			
Completion Date 6/26/06				Plug Bac 5802	k Total Dep	oth		Packer S NONE	Set at				
Casing S 4.500	Casing Size Weight 4.500 10.50			Internal E 4.052	Diameter		Set at 5801		rations 6	To 5456			
Tubing Si	Tubing Size Weig 2.375 4.70			t	Internal Dia 1.995		neter Set at 5531		Perforations OPEN		То		
Type Con		(De	escribe)		Type Flui WATE	d Productio	on .	Pump Unit or PUMPING			aveling Plunger? Yes / No		
Producing	Thru	(Anr	nulus / Tubing	g)		arbon Diox	ide	_	% Nitrog	en	Gas Gr	avity - G <sub>g</sub>	
ANNUL	.US												
Vertical D	epth(H	)				Pres	ssure Taps				(Meter I	Run) (Prover) Size	
5381 Pressure	Buildur	): S	Shut in 10/	6/14	0 .at.		(AM) (PM)	Taken 10	)/7/14		at	(AM) (PM)	
Well on L											at		
	-				<del></del> .	OBSERVE	ED SURFACE	DATA			Duration of Shut-	inHours	
Static / Orifice Dynamic Size		Meter Prover Pressu		Pressure Differential in	Flowing Temperature	•	Wellhead F	Casing Welihead Pressure (P <sub>w</sub> ) or (P <sub>l</sub> ) or (P <sub>c</sub> )		Tubing ad Pressure r (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)	
Property	(inche	(s)	psig (Pm)	Inches H <sub>2</sub> 0	t	t	psig	psia	psig	psia			
Shut-In							210		100		24		
Flow	,				_								
r				1		FLOW ST	REAM ATTRI	BUTES	-		<del></del>	<del></del>	
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd			Circle one: Meter or ver Pressure psia	Press Extension √ P <sub>m</sub> x h	Extension Fact		Flowing Temperature Factor F <sub>It</sub>		iation ctor pv	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)	Gravity	
			-	-									
					(OPEN FL	OW) (DELIV	/ERABILITY)	CALCUL	ATIONS		(P.)	² = 0.207	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	:	P₀⇔		% (P,	- 14.4) +	14.4 ==	; _	(P <sub>d</sub> )		
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I		(P	(c)2-(P <sub>w</sub> )2	Choose formula 1 or 2 1. $P_c^2 - P_n^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	LOG of formula 1, or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slope Ass	sure Curve = "n" or igned rd Slope	n x	LOG [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				<u> </u>									
Open Fla				Meld @ 14	SE maio		Dalivershi	its e			Motel @ 14 SE pp	in .	
Open Flo				Mcfd @ 14.			Deliverabi	<del></del>			Mcfd @ 14.65 ps		
		_	-	n behalf of the aid report is true						ne above repo	ort and that he ha	us knowledge of, 20	
ine idula s	nateu II	10161	n, and mat S	ara report is trut	and conec		teceived			Halla		, 20	
			Witness (	if any)		(AINSAS CORF	PORATION COM	ISSION	~~	F	ompany	_	
-			For Comm	nisston		DEC	3 1 2014	F		Che	cked by	· . <u></u>	

exempt status un	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC
	going pressure information and statements contained on this application form are true and
	et of my knowledge and belief based upon available production summaries and lease records callation and/or upon type of completion or upon use being made of the gas well herein named.
- •	lest a one-year exemption from open flow testing for the McMORAN A-5
	rounds 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 se to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
	Signature: Win L 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.