KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:		V	. •		(See Inst	tructi	ions on Re	verse Side	9)					
Op	en Flow	,				Test Date	۸۰				ΔĐ	I No. 15				
Deliverabilty						08/23/1					15	-947 -21462	-0000			
Company WOOLSEY OPERATING COMPANY, LLC									Lease McMOF	RAN		033	A-5		Number	
County Location COMANCHE NE NE SE				Section 7				TWP RNG 35S 16V		E/W)		Acres	Attributed			
Field YELLOWSTONE NORTH						Reservoir MISSISSIPPIAN				Gas Gathering C APC/ONEOK F				s		
Completion Date 6/26/06					Plug Back Total Depth 5802			h		Packer NONE						
Casing Size Weight 4.500 10.50					Internal Diameter 4.052			Set at 5801		Perforations 5306		To 54 5	56			
Tubing Si 2.375	ZØ		Weigh 4.70	Weight 4.70			Internal Diameter 1.995			Set at 5531		Perforations OPEN				
Type Completion (Describe) SINGLE					Type Fluid Production WATER, OIL			Pump Unit or Trav PUMPING			ng Plunger? Y	es / No)			
Producing Thru (Annulus / Tubing) ANNULUS					% C	% Carbon Dioxide				% Nitrogen			Gas Gravity - G			
Vertical D	epth(H))					F	ress	ure Taps				(Me	ter Run)	(Prover) Size	
Pressure	Buildup	: 8	Shut in _08/	/23/1	13 20	0 at			(AM) (PM)	Taken_08	3/24/13	<u> </u>	0 at		(AM) (PM)	
Well on L	in e :												0 at		_ (AM) (PM)	
							OBSE	RVE	D SURFAC	E DATA		• •	Duration of S	hut-in	Hours	
Static / Dynamic Property	Orifice Size (inches)		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in nches H ₂ 0	Flowing Temperature t	Well Head Temperature t		(P _w) or (P _t) or (P _a		Wellh	Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)	Lie	Liquid Produced (Barrels)	
Shut-In			, , ,		2-				70	psia	150	psia	24			
Flow																
							FLOW	STR	EAM ATTR	IBUTES						
Plate Coeffieci (F _b) (F Mcfd	ent ,)	Circle one: Meter or Prover Pressure psia		E	Press Extension P _m xh	Gravity Factor F _g		Flowing Temperature Factor F _{rt}		Fa	riation actor = pv	Metered FI R (Mcfd)	(Cubi	GOR (Cubic Feet/ Barrel)		
(P _c) ² =		_ :	(P _w) ² =	=		(OPEN FL		LIVI %) CALCUL P _e - 14.4) +		:		$(P_a)^2 = (P_d)^2 = \underline{\qquad}$	0.207	
$(P_c)^2 - (P_n)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. 2.	Formula 1 or 2: $P_c^2 - P_a^2$ $P_c^2 - P_d^2$ 1 by: $P_c^2 - P_a^2$	LOG of formula 1, or 2, and divide by:	P.2. P.	2	Backpressure Curve Slope = "n" 		пх	LOG	Antilog	[Open Flow Deliverability Equals R x Antilog (Mcfd)	
																
Open Flor	<u> </u>				Icfd @ 14.6	65 psia			Deliverab	oility			Mcfd @ 14.65	i psia		
•		ned	l authority. c				states th	at he		-	o make 1	the above re	port and that he	•	owledge of	
			n, and that s									DECEMBER			, ₂₀ <u>13</u> .	
			Witness	(if env)				_	_	U	for E	P Hall	augh	K	CC WIC	
			44101082	(H GB IY)				_					- Sauthanik		DEC 40 4	
			For Com	mission	<u></u>				_			С	hecked by		DEC 18	

exempt status us and that the focorrect to the b	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC regoing pressure information and statements contained on this application form are true and lest of my knowledge and belief based upon available production summaries and lease records
	stallation and/or upon type of completion or upon use being made of the gas well herein named. quest a one-year exemption from open flow testing for the McMORAN A-5
	grounds that said well:
I further ag	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 ree to supply to the best of my ability any and all supporting documents deemed by Commissio ary to corroborate this claim for exemption from testing.
Date: <u>12/09/13</u>	$1 \circ \mathcal{U} \circ \mathcal{U}$
	Signature: Walkunh. 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.