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

Type Test	t:				(	(See Instructions on Reverse Side)								
Open Flow					Test Date	<b>.</b> ,			ΔDI	No 15				
✓ Deliverabilty					10/1/15		API No. 15 15-033-21464-00-00							
Company WOOLSEY OPERATING COMPANY, L					_			Lease McMORAN A				Well Number 6		
County Location COMANCHE NE NE NE					Section 18		TWP 35S				Acres Attributed			
Field YELLOW STONE NORTH					Reservoi: MISSIS			Gas Gathering Connec						
Completion Date 6/30/06					Plug Bac 5850	k Total Dep	th	Packer Set at NONE						
Casing Size V 4.500 1					Internal Diameter 4.052		Set at 5850		Perforations 5322		то 5330			
Tubing Si	ize		Weigh 4.70	Weight 4.70		Internal Diameter 1.995		Set at 5804		rations N	То			
Type Completion (Describe) SINGLE					Type Flui WATE	n		Pump Ur PUMP	nit or Traveling	g Plunger? Yes / No				
Producing Thru (Annulus / Tubing) ANNULUS				g)	% Carbon Dioxide				% Nitrog	en	Gas Gravity - G			
Vertical D		H)				Pres	sure Taps				(Meter F	un) (Prover) Size		
	Buildu	p:	Shut in 9/3	0/15	0 at		(AM) (PM)	Taken_10	)/1/15	20	at	(AM) (PM)		
Well on L	ine:		Started							20	at	(AM) (PM)		
,						OBSERVE	D SURFAC	E DATA			Duration of Shut-i	nHours		
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Temperature Temperatu		$\{P_w\}$ or $\{P_1\}$ or $\{P_2\}$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In .375		<u> </u>	P-18 (* 117)				psig 90	psia	psig 20	psia	24			
Flow														
	<del></del> -		A		1	FLOW STR	REAM ATTR	IBUTE\$	i			<u> </u>		
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P <sub>m</sub> x h	Facioi		Temperature		ation ctor ; pv	Metered Flov R (Mcfd)	w GOR Flowi (Cubic Feet/ Grav Barrel) Grav			
					(OPEN FL	OW) (DELIV	'ERABILITY	) CALCUL	ATIONS		(P <sub>a</sub> ) <sup>2</sup>	= 0.207		
(P <sub>c</sub> )² ≈		_:_	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =		% (F	<u>-</u> - 14.4) +	14.4 <b>=</b>	<del></del> :	(P <sub>a</sub> ) <sup>2</sup>	=		
$(P_{o})^{2} - (P_{a})^{2}$ or $(P_{o})^{2} - (P_{d})^{2}$		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	LOG of formula 1, or 2.		Backpressure Curve Slope = "n" or Assigned Standard Slope		ln x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flow Mcfd @ 14.65 p			65 neia	5 psia Deliverability			Mcfd @ 14.65 psia							
		las -	d markin maker:	<u> </u>	<del></del>	dadas Abirti			ال جاموس					
				aid report is true			this the 9		day of O	CTOBER	rt and that he has	20 15		
						Receiver	4	Zelm	2	Sall	20	-		
			Witness (	f any)	KANSAS C	ORPORATION	COMMISSION			Forg	ompany			
· -	-		For Comm	ission	U	CT 16	2015 -		-	Chec	ked by	<del></del>		

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.
thereby request a one-year exemption from open flow testing for the McMORAN A-6
gas weil 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 mcf/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.
Signature: Was Adolly Constitution of the 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 weight of annual test results.