KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:			(See Insti	ructions o	n Reve	erse Side)							
Ор	en Flow			Test Date	. .				ΛDI	No. 15					
Del	liverabilt	у		09/04/13						033-212	212-0	0-00			
Company NOOLSI		ERATING CO	MPANY, LLC		-	Lea: McI	se MORA	AN				3	Well Nu	mber	
County Location COMANCHE SW NE SE			Section 8			TWP 35S		RNG (E/W) 16W				Acres A	Attributed		
Field YELLOWSTONE NORTH				Reservoir LANSING			Gas Gathering Conn ONEOK FIELD SE								
Completion Date 6/24/01				Plug Bac 5423	Plug Back Total Depth 5423				Packer Set at NONE						
Casing Size Weight 4.500 10.50			Internal E 4.052	Internal Diameter 4.052				Perforations 4928			то 4954				
Tubing Size Weight 2.375 4.70			Internal I 1.995		Set at 5035		Perforations OPEN			То					
Type Completion (Describe) SINGLE				Type Fluid Production WATER			Pump Unit or PUMPING			raveling Plunger? Yes / No					
Producing	'	Annulus / Tubin	ng)	% C	arbon Di	oxide			% Nitrog	en		Gas Gr	avity - (3,	
Vertical D					Р	ressure Ta	ıps					(Meter I	Run) (P	rover) Size	
Pressure Buildup:		Shut in 09	Shut in 09/04/13 20) at		(AM) (PM) Taken_0		9/05/13		20	at	(AM) (PM)		
Well on Line:		Started	Started 20		at		AM) (PM) Taken		20		20) at		(AM) (PM)	
1		1			OBSER	VED SUP	FACE	DATA				Duration of Shut-	in	Hours	
Static / Orlfice Dynamic Size Property (inches)		Circle one: Pressure Meter Differential Prover Pressure in psig (Pm) Inches H ₂ 0		Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _c) or (P _c) psig psia		_e)	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In		Pos (m)				65	9	psia	psig 20	ps	18	24			
Flow									_						
					FLOW S	TREAM	ATTRIE	BUTES							
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extension ✓ P _m x h		Fac	Gravity Factor F _a		Flowing Temperature Factor F ₄₁		Deviation Factor F _{pv}		ed Flow R cfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
				(OPEN FL	OW) (DE	IVEDAR	II ITV\	CALCULA	PIONE						
P _c)² =		: (P _w) ² :	=:	P _a =		%	_	- 14.4) +			_:	(P _a) (P _d)	² = 0.2 ² =	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ² 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 ²		LOG of formula 1, or 2, and divide	LOG of formula 1, or 2, and divide p 2, p 2		Backpressure Curvi Slope = "n" or Assigned Standard Slope			rog		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
		1		_									<u> </u>		
Open Flor	<u> </u>		Mcfd @ 14	. 65 neie		Dell	verabil	lity				Mcfd @ 14.65 ps	ia		
				_		_			•	 		,			
	•	•	on behalf of the said report is tru	- •			-			DECEMI		rt and that he ha		/ledge of	
		,	and the second s			 .			Im L		y l	Pro R		C WIC	
		Witness	(if any)			_					For C	ompan			
		For Com	mission			_	_				Chec	ked by	—UE	C 18-2	
													ſ	RECEIV	

	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request tus under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC
correct to the of equipme I hereb	e foregoing pressure information and statements contained on this application form are true and ne best of my knowledge and belief based upon available production summaries and lease records nt installation and/or upon type of completion or upon use being made of the gas well herein named. y request a one-year exemption from open flow testing for the McMORAN 3
_	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
	er agree to supply to the best of my ability any and all supporting documents deemed by Commissicessary to corroborate this claim for exemption from testing.
	Signature: While Hallang Comments 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 verified report of annual test results.