KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	erse Side	e)				
Open Flow					Test Date: API No. 15								
Deliverabilty					Test Date: 9/25/14				No. 15 033-20249-0	00-00			
Company WOOLSEY OPERATING COMPANY, LLC						Lease McMORAN				Well Number			
County Location COMANCHE SE SE NW				Section 8				RNG (E/	W)		Acres Attributed		
Field YELLOWSTONE NORTH					Reservoir PAWNEE / MISSISSIPPIAN				Gas Gathering Connection ONEOK FIELD SERVICES				
Completion Date 6/16/78				•	Plug Back Total Depth 5306				iet at				
-			Weigh 10.50		Internal E 4.052	Internal Diameter 4.052		Set at 5392		rations 1	To 5292		
Tubing Size 2.375			Weight 4.70			Internal Diameter		Set at 5298		rations N	То		
Type Completion (Pescribe) Commingled (Gas)				Type Flui	Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes / No PUMPING					
Producing	g Thru	Q Ic	nulus / Tubin	3/ g)		arbon Dioxi	de		% Nitrog		Gas Gr	avity - G	
ANNUL	_	,		-,					J			• -g	
Vertical D	epth(H)				Pres	sure Taps				(Meter I	Run) (Prover) Size	
5224		_										_	
Pressure	Buildu	ıp:	Shut in9/2	4/14 2	0 at		(AM) (PM)	aken 9/	25/14	20	at	(AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM) 1	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in Hours	
Static / Orifice Dynamic Size			Circle one: Meter	Pressure Differential	Flowing Well Heat		Wallhood Pressure		Tubing Wellhead Pressure (P _w) or (P _p) or (P _p)		Duration	Liquid Produced	
Property (inch		nes)	Prover Press psig (Pm)	in Inches H ₂ 0	t	ť	(P _*) or (P ₁)	psia	(P _w) or psig	(P _t) or (P _c)	(Hours)	(Barrels)	
Shut-In						_	90		200		24		
Flow							<u> </u>				_		
		r				FLOW STR	EAM ATTRIE	UTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Grav Fact	tor Temperature		Deviation Factor F _{pv}		Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Flowing Eluid Gravity G_m	
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P.):	²= 0.207	
(P _c) ² =		_:	(P _w) ² =	:	$P_d =$	9	% (P _c	- 14.4) +	14.4 =	:	(P _a)		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$		(P _c) ² - (P _w) ²		1. P _c ² - P _a ² 2. P _c ² - P _d ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpressure Curve Slope = "n" or Assigned		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog	
	-	 		divided by: Pc2 - Pw		<u> </u>	Standa	d Slope	-			(Mcfd)	
Open Flor	w			Mcfd @ 14.	65 psia		Deliverabil	ty			Mcfd @ 14.65 psi	a	
The u	unders	signe	d authority, o	n behalf of the	Company, s	tates that h	e is duly aut	horized t	o make th	e above repo	rt and that he ha	is knowledge of	
the facts s	tated	therei	in, and that s	ald report is true	e and correc	t. Executed	this the 27			CTOBER		, 20 <u>14</u>	
					<u>.</u> .	Rece	havif	W	n R	A.l	all	_	
		_	Witness (f any)	Kans	AS CORPORA	TION COMMISSI	ON	<u>-</u>		Company		
			For Comm	nission	<u>. </u>	DEC 3				Chec	ked by		
							1 4017				=		

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 1
gas well 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.
Date: _10/27/14
Signature: Win & Hallay Community 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.