KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(-	See Instructi	ons on Reve	rse Side)	1			
Ope	en Flow			Test Date	:			API	No. 15		
Deliverabilty				8/10/12							
Company VOOLSE	EY OPE	ERATING CO	MPANY, LLC			Lease McMORA	۸N		•	4	Well Number
County Location COMANCHE SW NE NW				Section 8			TWP 35S		W)		Acres Attributed
Field YELLOWSTONE NORTH					Reservoir MISSISSIPPIAN/WARSAW				ering Conne	ction RVICES	KECEI
Completion Date 1/17/05				Plug Back 5519	Plug Back Total Depth 5519				et at		UEC U5
Casing Size Weight 1.500 10.50			Internal E 4.052	Internal Diameter 4.052		Set at 5519		ations)	то 5306	DEC U5 KCC WICH	
Tubing Size Weight 2.375 4.70			Internal D	Internal Diameter 1.995		Set at 5375		ations N	То		
Type Completion (Describe) SINGLE					Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes / No PUMPING			
Producing	•	Annulus / Tubir	ng)	% C	arbon Dioxid	de		% Nitroge	en	Gas Gr	avity - G _g
Vertical Depth(H) 5288					Pressure Taps					(Meter I	Run) (Prover) Size
Pressure	Buildup:	Shut in 8/	10/12	at		(AM) (PM) 1	aken_8/	11/12	20	at	(AM) (PM)
Well on Li	ne:	Started	2	0 at		(AM) (PM) 1	Taken		20	at	(AM) (PM)
			ſ	1	OBSERVE	D SURFACE				Duration of Shut-	-in Hours
Static / Dynamic Property	Orifice Meter Differer Size Prover Pressure in		Differential in	Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		ubing ad Pressure (P ₁) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						100	polu	psig	PS/M	24	
Flow	<u></u>										
	-				FLOW STR	EAM ATTRI	BUTES			1	
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Pm x h		Gravity Factor F _g		Flowing Femperature Factor F ₁₁	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	l Gravity
				/ODEN EL	040 (DEL N	EDADU ITV	CALCUI	ATIONS			
P _c) ² =		: (P _w) ²	≖ ;	(OPEN FL	, ,	ERABILITY) % (P,	- 14.4) +		:		$0^2 = 0.207$ $0^2 = $
(P _c) ² - (F or (P _c) ² - (F	P _a) ²	$ \begin{array}{c c} (P_c)^2 - (P_w)^2 & \text{Choose formula 1 or 2:} \\ & 1. \ P_c^2 - P_a^2 \\ & 2. \ P_c^2 - P_d^2 \\ & \text{divided by: } P_c^2 - P_w^2 \end{array} $		LOG of formula 1, or 2, and divide	LOG of formula 1, or 2. and divide P.2. P.2		Backpressure Curve Slope = "n" or Assigned Standard Slope		.og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flor	w	5.44	Mcfd @ 14	65 nsia		Deliverabil	itv			Mcfd @ 14.65 ps	sia
		nad cuthouth.		•	etates that h		•	n maka th		rt and that he ha	
	•	•	on behait of the			•		day of N		rt and that he ha	, 20 <u>12</u>
		Witness	s (if any)			_	Um	K.	/ pellan	pany	
		For Con	nmission			_			Cher	ked by	

exempt status u	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
of equipment in	est 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 4
gas well on the	grounds that said well:
l 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 Commission ary to corroborate this claim for exemption from testing.
Date: _11/28/12	
	Signature: Um L Hallaylı 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.