KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Insi	truct	lions on Rev	erse Side)					
Open Flow Deliverabilty					Test Date	9:				API	No. 15				
√ De	liverab	ilty			7/20/15						033-21394-0	00-00			
Company WOOLS		PER	RATING CO	MPANY, LLC	;			Lease McMOR	AN			4	Well N	umber	
County COMANCHE			Locati SW NE		Section 8				TWP 35S		W)	Acres Attributed			
Field YELLOV	V STO	NE	NORTH		Reservoi MISSIS		WA	RSAW			hering Conn KFIELD SE				
Completion 1/17/05	on Dat	е			Plug Bac 5519	k Total D	Dept	h		Packer S NONE	Set at				
Casing Size 4.500		Weight 10.50			Internal Diameter 4.052			Set at 5519		Perforations 5270		то 5306			
Tubing Size 2.375			Weigh 4.70	t	Internal Diameter 1.995			Set at 5375		Perforations OPEN		То			
		n (Describe)			Type Flui	Type Fluid Production WATER			P			Plunger? Yes	/ No		
	_	(Annulus / Tubing)			% (% Carbon Dioxid			e %		en	Gas Gr	Gas Gravity - G _g		
ANNUL Vertical D		ł)				P	ress	sure Taps				(Meter	Run) (F	Prover) Size	
5288								<u>. </u>							
Pressure	Buildu	p:	Shut in	9/15 2	0 at			(AM) (PM)	7/2 Taken_7/2	20/15	20	at		(AM) (PM)	
Well on L	ine:		Started	2	0 at			(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSET	RVE	D SURFACE	DATA			Duration of Shut-	in	Hours	
Static / Dynamic	Orifi Siz		Circle ane: Meter	Pressure Differential	Flowing Temperature	re Temperature Wellhead Pressure We		1	lubing ad Pressure	Duration		Liquid Produced			
Property (incl		Prover Pres		in Inches H ₂ 0	t t	t	ILLI C	(P _w) or (P ₁) or (P _c)		(P _w) or (P _t) or (P _c)		(Hours)	(Barrels)		
Shut-In	.625							710		390		24			
Flow	L				<u> </u>										
	\neg		Circle ons:			FLOW S	SIR	EAM ATTRI	BUTES					Floring	
Plate Coeffiecient		Meter or Prover Pressure		Press Extension	1	Gravity Factor		Flowing Temperature		iation ctor	Metered Flov R	y GOR (Cubic Fe	et/	Flowing Fluid	
(F _b) (F		Pro	psia	✓ P _m xh	F,	9		Factor F _{ft}	F	pv	(Mcfd)	Barrel)		Gravity G _m	
											<u></u>				
4-10			10		•		_	ERABILITY)					² = 0.5	207	
(P _c) ² =	-	- :-	(P _w)² ≈	: Choose formula 1 or 2	P _a ==		<u> </u>	T -	· 14.4) +	14.4 =	:	(P _d)	² =		
(P _c) ² - (P _a) ²		(F	P _c) ² - (P _w) ²	1. P _c - P _a 2	LOG of formula			Backpressure Curve Slope = "n"		n x l	LOG	Antilog	Open Flow Deliverability		
(P _c) ² - (I	P _d) ²			2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	1, or 2, and divide by:	P _c ² - P _w	2	Ass	igned rd Slope			rumog	Equal	s R x Antilog (Mcfd)	
									-						
											- -				
Open Flow Mcfd @ 14.65				65 psia	5 psia Deliverability			ity	Mcfd @ 14.65 psia						
The	unders	gned	d authority, o	behalf of the	Company, s	states the	at he	e is duly aut	horized to	make th	e above repo	rt and that he ha	ıs knov	vledge of	
the facts s	tated t	nerei	n, and that sa	id report is true	and correct	t. Execu	ıted	this the 9		day of O	CTOBER	$\overline{}$,	20 <u>15</u> .	
						Recei	ved	OMMISSION	a Som	PS	Hilla	mle-			
			Witness (i	any)	-		_	 .	-	-	For	ombany			
			For Comm	ssion	0 1		b 2	2015 —			Che	cked by			

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 4
gas well on the grounds that said well:
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.
stan at notice and the stan notice provided the standard
Date: 10/9/15
Signature: Win K Hallay C. 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.