Kansas Corporation Commission ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	;		•		(See Instruc	tions on Reve	rse Side)					
Open Flow			Test Date:				API No. 15						
Deliverabilty				Test Date.				007 - 00614-000					
Company Mu 1			ling Comp	any . Inc		*,	Lease Ba:	rtholo	mew			Vell Number	
County			Location		Section		TWP		RNG (E		Α	Acres Attributed	
	ber		NW NV	1	28	3	33	S		.4W			
Field					Reservoir				1.0	hering Connecti			
Aet	na	٠.		s. d	Mississippian					Oneok Midstream GasySupply			
Completion Date					Plug Back Total Depth				Packer S				
2-4-58				·					Perforations		То		
Casing Size Weight				Internal D	· -, ·				(1) No. 10 (1) (1)	. • • • • •	0.1		
5 1/2" 14#					Internal D	.012	Set at			rations	& 4643-468	81	
Tubing Size Weight 4.7#							Ω1	reno	allons	, , 10			
Type Com					1.995 4681 Type Fluid Production				Pump Unit or Traveling Plunger? Yes /XNX				
• •	ipielloi 1g1e	i (De	scrine)			iter				- WWA			
		(Ann	ulus / Tubing)-		% Carbon	Dioxide -			% Nitrog	en	ु – .Gas Gra	ivity - G _g	
	ing		. ,							*		:	
Vertical D		l)					ure Taps				(Meter F	lun) (Prover) Size	
	•	•			the .			*.	i*	4.1 Jan 199	·		
			/10	19-10 10		2:20	CANGOOD T	alcab		. 10	at	(AM) (PM)	
Pressure	Buildu	•											
Well on Li	ine:	٠ ج	Started	<u> </u>	at/	2:20	(AM)(PM)T	aken	- 2 (t- 	19	at	(AM) (PM)	
							<u> </u>						
						OBSERVE	ED SURFACE	DATA	T		Duration of Shut-	in Hours	
Static /	Orifi	ce	Circle one:	Pressure	Flowing	Well Head	Casin	~		Tubing	Duration	Liquid Produced	
Dynamic	Siz		Meter or Prover Pressure	Differential in (h)	Temperature	1 .	Wellhead P		I .	ead Pressure or (P ₁) or (P ₂)	(Hours)	(Barrels)	
Property	inch	es	psig	Inches H ₂ 0	t	t	psig	psia	psig	psia			
Shut-In							48				24	1,177	
	· ·	- ; -					10						
Flow												<u> </u>	
			•		· · · · · ·	FLOW ST	REAM ATTRIE	BUTES		1		····	
Plate	.		Circle one:	Press	Grav	vity	Flowing Deviation		iation	Metered Flow	GOR	Flowing	
Coefficcient		Meter or Prover Pressure		Extension	Fact	tor	Temperature Factor	Factor	ctor		(Cubic Fe	i Gravity i	
(F₅) (F Mcfd		-10	psia	√P _m x H _w	F,		F _{ft}		pv	(Mcfd)	Barrel)	G_	
· ·								1	,				
	1					<u> </u>	<u> </u>			L		<u></u> _	
-	•			·	-(OPEN FL	OW) (DELI)	VERABILITY)	CALCUL	ATIONS	-, -		$^{2} = 0.207$	
(P _c) ² =		_:	(P _w) ² =_	·:	P _d =		% (P	- 14.4) +	14.4 = _	 :	(P _d)	2 ==	
			1	hoose formula 1 or 2:	1	Γ		sure Curve	,	rэl		Open Flow	
(P _c) ² · (1	P_)2	(F	P _c) ² - (P _w) ²	1. P _c ² -P _a ²	LOG of formula			e = "n" or	n x	LOG	Antilog	Deliverability	
(P _c) ² • (I	P ₄)2			2. P _c ² -P _d ²	1. or 2. and divide	P.2 - P.2	Ass	igned			J	Equals R x Antilog Mcfd	
			d	ivided by: P _c ² - P _w ²	by:		Standa	rd Slope			<u> </u>		
					A				•	r teszt egyő.			
		17-							, eg		a contract		
L					<u> </u>							1.25.7	
Open Flow , Mcfd @ 14.65 psia					Deliverabili	ty		<u>, , , , , , , , , , , , , , , , , , , </u>	1cfd @ 14.65 psi	a			
The	undere	iane	i authority on i	pehalf of the Co	ompany. sta	ites that he	is duly authori	zed to ma	ake the a	bove report and	that he has know	wledge of the facts	
		-										. 19	
stated the	rein, ar	nd th	at said report is	s true and corre		ed this the _		day o	'I			, 19	
				·	• •			· .		<u> </u>	• •		
:			Witness (if	any)		·				For C	Company	RECEIVED	
			P A				_		· · · · · · · · · · · · · · · · · · ·	Char	ked by		
			For Commi	ISSION							··· - ,	OCT 2 6 2011	

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I declare under penalty or 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 Mull Drilling Company, Inc. and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the <u>Bartholomew #1</u> gas well on the grounds that said well:

(Check one)	
is a coalbed methane producer	who a firm to the
is cycled on plunger lift due to water	
is a source of natural gas for injection into an oil reservoir under	going ER
is on vacuum at the present time; KCC approval Docket No	<u> </u>
is incapable of producing at a daily rate in excess of 150 mcf/D	x

Date: 10-22-10

Instructions:

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.