KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

**

Type Test	t:				(See Instruc	ctions on Rev	verse Side)					
Op	en Flo	w							A DI	No. 45				
De	liveral	bilty			Test Date 4/21/14) :				No. 15 09 5-21 865 -	- 0000			
Company Murfin Drilling Company							Lease Cox	Lease				Well Number 1-30		
County Kingmar		N/	Locat		Section 30		TWP 27S		RNG (E.	(W)		Acres A	ttributed	
Field Kingmar			<u>. 149-17</u>	<u> </u>	Reservoir Mississi			,		thering Conn	ection Pipeline LLC			
Completic 4/12/04						k Total De	pth	 	Packer 8	-				
Casing S 4.5	Size		Weig 10.5	ht	Internal E 4.052	Diameter	Set a			rations	To 3978			
Tubing S	ize		Weig	ht	Internal C	Diameter	Set a	it	Perfo	rations	To			
2.375 Type Con						d Production	4000 on	J'		nit or Traveling	g Plunger? Yes	/ No		
Acid 20			15%		Water				Pump		0 0-		 	
Annulus	-	ı (Anı	nulus / Tubir	ig)	0.087	arbon Diox	xide		% Nitrog	jen	Gas Gr 0.668		² 9	
Vertical E		H)			0.007	Pre	ssure Taps		0.0				rover) Size	
		•				Flar	•				2.067		•	
Pressure	Build	up:	Shut in _4/1	15 2	0_14_at_9	:00	_ (AM) (PM)	Taken_4/	21	20	14 at 9:00	(AM) (PM)	
Well on L	_ine:		Started	2	0 at		_ (AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERV	ED SURFACE	DATA			Duration of Shut-	_{in_} 168	BHours	
Static / Dynamic		Orifice Circle		Differential	Flowing Temperature	Well Head	Wellhead Pressure		Tubing Wellhead Pressure		Duration		Liquid Produced	
Property			Prover Press psig (Pm)		t	i t	(P _w) or (P	psia	(P _w) or (P _i) or (P _c) psig psia		(Hours)	(Barrels)		
Shut-In	_	-					1000		0		168			
Flow														
						FLOW ST	REAM ATTR	IBUTES						
Plate Coeffied (F _b) (F Mcfd	ient _p)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Faci	Gravity Flowing Deviation Metered Flow Factor Factor F _p (Mcfd)		(Cubic Fe	GOR Flowi (Cubic Feet/ Gravi Barrel) Gravi					
				<u>-</u>	•	, ,	VERABILITY	•			(P _a)	² ≈ 0.2	07	
(P _c) ² =		_ :	(P _w) ² =	Choose formula 1 or 2	P _d =			° _c - 14.4) +		:_	(P _d)			
(P _c) ² - (I or (P _c) ² - (I		(F	P _c) ² - (P _w) ²	 P_c² - P_a² P_c² - P_d² divided by: P_c² - P_d² 	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Šlor As:	ssure Curve pe = "n" por signed ard Slope		LOG	Antilog	Del Equals	en Flow iverability R x Antilog (Mofd)	
				- c w						-				
	_						<u> </u>				Market © 44 CF no	<u> </u>		
Open Flo				Mcfd @ 14.			Deliverab				Mcfd @ 14.65 ps		1	
		-	-					17	day of	Nove	ort and that he ha			
	.5		· · · · · · · · · · · · · · · ·	1	KANSAS (Receive	ed IN COMMISSION	7	ton	el 10	alld			
			Witness	(if any)	Ni	OV 17	2014			For	Company			
			For Com	mission	CONS	ERVATION WICHITA !	DIVISION KS			Che	ecked by			

exempt s and that correct to	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Murfin Drilling Company Inc. the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named.
	eby request a one-year exemption from open flow testing for the Cox 1-30
	on the grounds that said well:
staff as r	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 ther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
	Signature: Thomas Mullal Title: Production Engineer

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 reads well signed and dated on the front side as though it was a verified report of annual test results.

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