KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(See Instr	ructions on I	Reverse Side	9)					
Ор	en Flow			Test Date	à·			Δ۵	I No. 15				
√ De	liverabilty			11/08/20				11:	5-20,717 - C	DO-00			
Company Shawmar Oil & Gas Co Inc				Lease W.R. CARF								lumber	
County Location Marion NE/4		on	Section 16		TWP 19			:/W)			Attributed 320 UNIT)		
Field ANTELOPE				Reservoir MISSISSIPPI CHAT				Gas Gathering Conner SHAWMAR OIL-AN			LANT		
Completion Date 1/31/1981				Plug Bac	epth	Packer Set at N/A							
Casing Size Weight 5 1/2			Internal Diameter			Set at		orations 32	To 22 3	32			
Tubing Size Weig 2 3/8		Weight	Internal Diameter				Set at 2180		orations	То			
Type Completion (Describe) FRAC				Type Fluid Production				Pump Unit or Traveling			es / No		
Producing Thru (Annulus / Tubing) TUBING)	% Carbon Dioxide 0.112				% Nitrogen 11.190			Gas Gravity - G		
Vertical Depth(H)			110 00 R 100 00 00 00 00 00 00 00 00 00 00 00 00	O.112 Pressure Taps								Prover) Size	
2300	,				PI	PE 250 X	50"			2.0	67X.62	•	
Pressure Buildup: Shut			20 at							10 at 9:00		(AM) (PM)	
Well on L	ine:	Started 11/9	2	0 10 at 9	.00 AIVI	(AM) (PI	M) Taken <u>1</u>	1/9	20	10 at 9:00	AIVI	(AM) (PM)	
					OBSER	VED SURFA	CE DATA			Duration of SI	nut-İn	Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressui psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well H Temperature t		wellhe	Casing ad Pressure r (P ₁) or (P _c)	Wellho	Tubing ead Pressure or (P,) or (Pc)	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	.625	160	0	60	60	160	psia	160	psia	24	1		
Flow	.625	40	4	60	60	90		60		24			
					FLOW S	TREAM AT	TRIBUTES		·		· · · · · · · · · · · · · · · · · · ·		
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or rover Pressure psia	Press Extension P _m x h	Gravity Factor F _g		Flowing Temperatur Factor F ₁₁	e F	viation actor F _{pv}	Metered Flor R (McId)	'		Flowing Fluid Gravity G _m	
				(0.000)									
P _c) ² =	:	(P _w) ² =_	<u> </u>	(OPEN FL	OW) (DEI	%	TY) CALCUI (P _c - 14.4) +		•		$(P_a)^2 = 0.5$ $(P_d)^2 =$	207	
(P _c) ² - (F or (P _c) ² - (F	•	(P _c)²- (P _w)²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²		pressure Curve Slope = "n" or Assigned andard Slope	n x	LOG	Antilog	De	Open Flow eliverability Is R x Antilog (Mcfd)	
Open Flor			Mcfd @ 14.	,		Deliver				Mcfd @ 14.65			
	_	ed authority, on ein, and that sai					authorized 1	o make t	ne above repo √∂√	ort and that he	has knov	wledge of	
		,	- apart was	33,,30			SH.	14/1	This	y .	1	···································	
Witness (if any) For Company											ı	RECEIVE	
		For Commis	ssion						Che	cked by	K	OV 182	
		'									KC	©V 1 8 2 C WICH	
												- 1017	

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I declare under penalty of perjury under the laws of the state of Kansas exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Shawmar and that the foregoing pressure information and statements contained on the	Oil & Gas Company Inc
correct to the best of my knowledge and belief based upon available production of equipment installation and/or upon type of completion or upon use being ma	ade of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the	R. Carpenter #2
gas well on the grounds that said well:	1
(Check one)	i F
is a coalbed methane producer	1
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	D
is not capable of producing at a daily rate in excess of 250	0 mcf/D
I further agree to supply to the best of my ability any and all supporting d	locuments deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.	
Date: //-/7-10	•
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	i i
Signature:	
Title: Tresident	
The yester	1
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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.

RECEIVED
NOV 1 8 2010
KCC WICHITA