KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

130

Type Test	: en Flow	,							verse Side)		No. 15					
Da Da	ilverabil	ity			Test Date	10/	19	/201	3		017-20832 ·	- 00	200			
Company Shawma	r Oil &	Gas Co., Inc	·····					Lease Harshm	an		•		2-18	/ell Nu	mber	
County Location Chase C NW/4 SE/4				Section 18			TWP 18		RNG (E 7E	·	Acres Attributed		Attributed			
Fleid Davis					Reservoir Admire					Shawn	thering Conn nar Oll - Ante					
Completion 5/20/200					Plug Bad 602	Total De	pth			Packer 8				<u></u>	· · · · · · · · · · · · · · · · · · ·	
Casing Si 4.5			Welght			Internal Diamotor			it ·	Perforations 371		то 377				
Tubing Size Weight none			Internal C			Set at			Perforations mp_Unit or Traveling P		To Plunger? Yes (No)					
single		(Describe)			Type Flui								<u> </u>			
Producing Thru (Annulus / Tubing) casing				% C 36	arbon Old				% Nitros 14.94	*	.7057					
Vertical Depth(H) 371-377					Pressure Taps flange					(Meter Run) (Prover) Siz					rover) Size	
Pressure	Bulldup)/20) s	0 13 at 10		_ (/	AM) (PM)	Taken 10	/23			at 10:00a		(AM) (PM)	
Well on L	ine:	Started 10)/19	20	0_13_at_1:	oupm	_ (AM) (PM)	Taken_10	1120	20		3 at 1:00pm		(AM) (PM)	
				D		OBSER	VED	SURFACI		1	Tubing	Dui	ration of Shut-I	<u>^</u>	Hours	
Static / Orifice Oynamic Size Preparty (inches		Prover Prossur		Preseute Differential in Inches H ₂ D	Flowing Temperature t	Well Head Temperature t		Cas Wellhead (P _w) or (P	Pressure	Wellh	ond Pressure or (P ₁) or (P ₂) psis		Duration (Hours)		Liquid Produced (Barrela)	
Shut-In							1	10	25			72	2			
Flow	.5	5		2	60			5	20	<u> </u>		24	4	0		
						FLOW S	TRE	ATTA MA	IBUTES						· ·	
Plate Coefficient (F,)(F,) Mcfd		Grate one: Metar or Prover Pressure psia		Press Extension Paxh	Fac	Gravity Factor F ₀		Flowing imperature Factor F _{ti}	Fa	lation cter	Metered Flow Fl (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m	
1.219		20	-	6.32	1.19		1.0		1.01		9.27					
(P _c) ² =	625	_: (P_)) _G ,	.400 :	(OPEN FL	• •	_% _JVE) CALCUL P _o - 14.4) +		·		(P _s) . (P _d)	0.8	207	
(P _e) ² - (P _e) ² er (P _e) ² - (P _d) ²		(P _e)²- (P _e)²		1. P. P. P. 2. P.	LOG of formula 1. or 2. and divide			Šlo As	essure Curve po = "11" - cr	n x	rec [Antilog		pen Flow diversability is R x Antilog (Mold)	
.418	\neg				7.											
		.225	1.	.86	.269			.85		.22	29	1.	.69	15.	7	
Open Flo				Mcfd @ 14				Deliverat		-			fd @ 14.65 ps			
		igned authority								o make i	the above rep November	ort a	and that he ha		wledge of	
the facts a	stated ti	herein, and tha	sald	ı report is tru	e and corre	n. Execu	ied 1	unis UNO <u></u>		Day of _	Spring.	ک	ettle	·	, eu <u></u> .	
		Witne	12 (1 6)	Try/)			_	•			Kelif	S.	- Hug	20		
		For Co	orentas	slen			-	•			G	nocked	by /	/	KCC	

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	der penalty of perjury under the laws of the state of Kansas that I am a der Rule K.A.R. 82-3-304 on behalf of the operator <u>Shawmar Oil & Gas</u> (•
	going pressure information and statements contained on this application	
orrect to the bes	st of my knowledge and belief based upon available production summari	es and lease records
	allation and/or upon type of completion or upon use being made of the ga	
	est a one-year exemption from open flow testing for the Harshman 2-1	8
as well on the g	rounds that said well:	
(Checi	r one)	
	is a coalbed methane producer	
H	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	<u> </u>
$\overline{\checkmark}$	is not capable of producing at a daily rate in excess of 250 mcf/D	
	•	
-	ee to supply to the best of my ability any and all supporting documents o	leemed by Commission
taff as necessar	ry to corroborate this claim for exemption from testing.	
pate: 11/08/201	3	
		•
	Signature:Settle	<u>e</u>
	Title: President	

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.

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