nno

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:					(Śee Instruc	tions on Rev	verse Side	ĺ				
√ o	oen Fle	wc			T 1 Post				4.0	1 N = 45			
[] De	elivera	biity			Test Date 10/20/2					1 No. 15 18920160 -	0000		
Compan		P Or	nshore I I C	. , , ,		· 481	Lease Bradsha		a ve	11 10 AF		Well No	ımber
Anadarko E&P Onshore LLC County Loca Stevens 1250				tion	Section	ection		- i	RNG (E	<u>9. 80 % A.B.)</u> 2 W) TÉGY _{RU} 30 MT	typosis you		Attributed
Field Panoma	_		1,2001			loidsii. s					ection		
Completi 9/15/15		te		٠,	Plug Bac	k Total Dep			Packer	Set at 15 t.	ester i	•	<u> </u>
Casing S 5.5	ize		Welg 14.0	ht		Diameter	Set a . 2994	t	Perfe	orations	To 2980'		
Tubing S 2.375	ize		Weig 4.7			Diameter	Set a 2939	t		orations	To NA		
Type Cor Commi	•	•				id Production			Pump U		Plunger? Yes		
Producing			nulus / Tubir	ng)	% C	Carbon Dioxi	de _{vig.e}		% Nitro	gen e at.	Gas Gr	avity - (
CSG Vertical E	enth/l				.34	Pres	sure Taps		40.26	l The Marie III and the contract of the contra	.8055 (Meter)		rover) Size
2782.5		''							· ¥ ~ 7	·	2.067	, .	
Pressure	Buildu		onut in		15 at 9	:00 am	·(AM) (PM);	Taken: 10	/19		15 at 9:00 a		(AM) (PM)
Well on L	ine:	;	Started 10	/19 ₂₀	15 at 9	:00 am	(AM) (PM)	_{Такел} 10	/20	20	15 at 9:00 a	<u>m</u> ((AM) (PM)
· ·	-	_					D SURFACE		-		Duration of Shut-	_{in_} 72	Hours
Static / Dynamic Property	Orif Siz (Inch	:е	Circle one: Meter Prover Press		Flowing	Well Head Temperature t	Casi Wellhead I (P _w) or (P _t	Pressure) or (P _c)	Wellho	Tubing ⁽⁾ ead Pressure or (P ₁) or (P _c)	Duration (Hours)	,	d Produced Barreis)
Shut-In	-		psig (Pm)	Inches H₂0			-1.42	psia 12.98	psig O	O psia	72	 	
Flow	.750)	-3.0	3.87	59.0	59.0	-3.0	11.4	0	0	24	0	
				· ·	\ \ <u>\</u>	FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiec (F _b) (F Mcfd	ient ,)		Circle one: Meter or ver Pressure psia	Press Extension P _m xh	Grav Fact	• пт	Flowing emperature ' Factor F _{et}	Devia Fac F	tor	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m
2.779	_	11.	.4	6.642	1.114	1.0	001	1.000		21	21000		.988
				40	(OPEN FL	OW) (DELIV	•	-			(P _a)	= 0.2	07
(P _c)² =3	503	<u>=</u> :_	(P _w) ² =		P _d =	 9	6 (P,	<u>- 14.4) + </u>	14.4 = _	<u>:</u>	(P ^a)	`= <u></u>	
$(P_e)^2 - (P_e)^2$ or $(P_e)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. P _c ² - P _s ² 2. P _c ² - P _d ² divided by: P _c ² - P _s ²	2. Pc Pd 1. or 2. and divide		Backpressure Curve Slope = "n"		n x	rog	Antilog.	Open Flow Deliverability Equals R:x Antilog (Mofd)	
0.096		0.1	173	0.555	-0.256	 3	0.850		-0.2	218	0.606	13	₹ <u>.</u> ₹%;
			-										
Open Flow		13		Mcfd @ 14.6	Mcfd @ 14.65 psia		Deliverability		~		Mcfd_@ _14.65_psi	a	
The u	ınders	ignec	authority, o	n behalf of the	Company, s	states that h	e is duly au				rt and that he ha	s know	ledge of
the facts st	tated t	herei	n, and that s	aid report is true	and correc		this the 23			October		:	20 15 .
			Witness	(if any)	2		AN 19	2016		For	Company		
			For Comr	nission			SERVATIONT	אסופועוכ		Che	cked by		

	en e
I declar	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt state	us under Rule K.A.R. 82-3-304 on behalf of the operator Anadarko E&P Onshore LLC
	foregoing pressure information and statements contained on this application form are true and
	e best of my knowledge and belief based upon available production summaries and lease records
	it installation and/or upon type of completion or upon use being made of the gas well herein named.
	request a one-year exemption from open flow testing for the Bradshaw A-1
	the grounds that said well:
ao 11011 011	no grounde aratoma
(4	Check one)
	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
taff as nece	essary to corroborate this claim for exemption from testing.
oate: 10/23	/2015
ale: _10/20	
	Signature:
	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 must be signed and dated on the front side as though it was a verified report of annual test results.