KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:	1		0	See Instructi	ions on Re	verse Side)					
√ Op	en Flow											
Del	liverabili	у	*	Test Date 6-26-12					No. 15)07 - 22603-0	. 0000		
Company	,	· · · · · · · · · · · · · · · · · · ·		0 20 12		Lease					Well Nui	mber
		OPERATING	, INC.			BRASS				1-17		
County BARBER	₹	Locat 650' FN	ion IL & 600' FEL	Section 17		TWP 35S		RNG (E/1	(V)	,	Acres A	ttributed
Field	·			Reservoir	•				nering Conn	ection		
AETNA	GAS A	REA		MISSIS				ATLAS				
Completic 9-30-99	on Date			Plug Bac 5218	k Total Depti	h		Packer S NONE	et at			
Casing Si 5.5	ize	Weig 15.5	nt .	Internal D 4.950	Diameter	Set : 524		Perfor 5116	ations	To 5144		
Tubing Si 2.375	Zθ	Weig 4.7	ht	Internal D 1.995	Diameter	Set 506		Perfor	ations	То		
Type Con SINGLE		(Describe)		Type Flui WATE	d Production	1		Pump Un YES-P	it or Traveling UMP	Plunger? Yes	/ No	
Producing	Thru (Annulus / Tubir	ig)	% C	arbon Dioxid	de .	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	% Nitroge	en	Gas Gra	avity - G	9
ANNUL	US						•			.611		
Vertical D	epth(H)	·			Press	sure Taps				•		over) Size
5130					FLAN	NGE				3.068		
Pressure	Buildup	: Shut in 6-2	22-12 20	at _0	815	(AM) (PM)	Taken 6-2	25-12	20	at0815	(AM) (PM)
Well on Li	ine:	Started 6-2	25-12 20	at _0	815	(AM) (PM)	Taken 6-2	26-12	20	at	(AM) (PM)
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	_{in} _72.	0 Hours
Static /	Orific	Circle one:	Pressure	Flowing	Well Head	1	sing		ubing	Duration	Liquid	l Produced
Dynamic	Size	Meter Prover Press	Differential in	•	Temperature		Pressure		ad Pressure (P _L) or (P _C)	(Hours)	1 '	Barrels)
Property	(inche	psig (Pm)	Inches H ₂ 0	1	t	psig	psia	psig	psia		<u> </u>	
Shut-In						323.7	338.1			72.0		
Flow	.375	31.7	130.8	87	75	61.7	76.1			24.0	1.0	
					FLOW STR	EAM ATTR	RIBUTES					
Plate		Circle one:	Press			Flowing	Devia	alian .	Material Flor	y GOR		Flowing
Coeffieci	ient	Meter or	Extension	Grav Fac	' 1 7	emperature	Fac		Metered Flov R	(Cubic Fe	et/	Fluid
(F _b) (F		Prover Pressure psia	✓ P _m xh	F		Factor F _{II}	F		(Mcfd)	Barrel)		Gravity G _m
.6847		46.10	77.65	1.279	3 0.9	9750	1.0034	4	66.5	NONE		0.611
L					OW) (DELIV							
$(P_c)^2 = 1$	14.3	: (P _w) ²	<u>5.8</u> :		22.5		P _c - 14.4) +		38.1	(P _a):	2 = 0.20 2 =	
(P _c)² - (F	D /5	(P _c) ² · (P _w) ²	1. P _c ² - P _a ²	LOG of	Γ		essure Curve		Γ٦		1 '	en Flow
or	·	('c' ('w'	2. P _c ² -P _d ²	formula - 1. or 2.			- or	nxl	.og	Antilog	1	verability R x Antilog
(P _c)² - (F	od)3		divided by: P _c ² - P _w ²	and divide by:	P _c ² · P _w ²		ssigned dard Slope					Mcfd)
			•									
114.10		108.52	1.051	0.021	8	0.850		0.0	185	1.0436	69.4	4
Open Flo	w 69	,	Mcfd @ 14.6	5 psia		Deliveral	bility			Mcfd @ 14.65 psi	ia	
The	undersig	ned authority, o	on behalf of the (Company, s	states that h		uthorized to		e above repo	rt and that he ha	as know	ledge of

i declare un	der penalty of perjury under the laws of the state	e of Kansas that I am authorized to request
exempt status ur	nder Rule K.A.R. 82-3-304 on behalf of the operator	r
and that the fore	egoing pressure information and statements conf	tained on this application form are true and
correct to the be	st of my knowledge and belief based upon availab	ple production summaries and lease records
of equipment ins	tallation and/or upon type of completion or upon us	se being made of the gas well herein named.
l hereby requ	uest a one-year exemption from open flow testing	for the
gas well on the g	grounds that said well:	
/Chan	k one)	•
(chec	is a coalbed methane producer	
	is cycled on plunger lift due to water	
	is a source of natural gas for injection into an o	il reservoir undergoing FR
	is on vacuum at the present time; KCC approva	- ·
	is not capable of producing at a daily rate in ex	
L	, ······ and ···· processing and camp rand in civi	
المالية المالية	ee to supply to the best of my ability any and all so	upporting documents deemed by Commission
i lurther agre	mita aquah arata thia alaim fau accamatian fusus ta	matter and
	ry to corroborate this claim for exemption from te	sting.
	ry to corroborate this claim for exemption from te	sting.
staff as necessa	ry to corroborate this claim for exemption from te	sting.
staff as necessa		
staff as necessa	Signature:	

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.