KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flo	W				(See Ins	ructio	ons on Re	verse	Side)	•					
	liverab					Test Date 6-26-12							No. 15 007-22848-0	00-00			
Company		E OF	PERATING	, INC.					Lease MESA	TOP					2-9	Well Nu	ımber
County BARBER		Location 1420' FSL & 400' FWL			Section 9						RNG (E 15W	∕W)			Acres A	Attributed	
Field						Reservoir							thering Conn	ection			
SOUTH						DETRIT						ATLAS	····				
Completion Date 11-2-04			Miles and a second		Plug Bac 5322	1			Packer : NONE	Set at	~·····································	.,		· · · · · · · · · · · · · · · · · · ·			
Casing Size 4.5			Weigh 10.5	nt	Internal E 4.090		Diameter		Set at 5383		Perfo 514	rations 4		то 5168			
Tubing Size 2.375		Weigh 4.7	Weight 4.7			Internal Diameter 1.995			Set at 5308 :			rations		То			
Type Con	•	•	•			Type Flui		ction				Pump U YES-F	nit or Traveling	Plunge	er? Yes	/ No	
			nulus / Tubin	g)			arbon D	ioxid	е			% Nitrog	jen		Gas C	ravity - (3,
ANNUL	.US														.623		
Vertical D 5156	epth(F	1)						ress	ure Taps						(Meter 2.06	, ,	rover) Size
Pressure	Buildu	n· .	Shut in 6-2	2-12	20	at 08				Take	6-2	25-12	20	at			(AM) (PM)
Well on L				5-12									20				(AM) (PM)
<u> </u>			· · · · · · · · · · · · · · · · · · ·				OBSE	RVED	SURFAC	E DA	TA		<u> </u>	Duratio	n of Shu	t-in 72	.0 Hours
Static /	Orifi	ce	Circle one:	Pressure		Flowing	Well He	Т	Cas	sing			Tubing	_			
Dynamic Property	Siz (inch	е	Meter Prover Press psig (Pm)	ure in Inches H ₂ 0	Те	mperature t	Tempera t	- 1	Wellhead (P _w) or (f) or (P _e)	(P _w) c	r (P ₁) or (P _c)	i	ration lours)	1 '	d Produced Barrels)
Shut-In			Po.9 ()		\dagger				psig 252.7	26	sia 7 1	psig	psia	72.0			
Flow	.375		35.4	33.3	+	 91	75		55.8	70.				24.0	~	7.5	
ITIOW	.370		33.4	33.3		7 1		CTDE		<u> </u>				24.0		1.5	
D 1.1.			Circle one:				FLOW		Slowing	1001	E3						Flowing
Plate Coeffied (F _b) (F	ient	Pro	Meter or ver Préssure	Press Extension		Grav Fact	or		Flowing mperature Factor		Devia Fac	tor	Metered Flor	~	GOF (Cubic F Barre	eet/	Fluid Gravity
Mold			psia	✓ P _m xh		F			F _{II}		F,		(Mcfd)		Daile	'')	G _m
.686		49	.80	40.72		1.266	9	0.9	715	1	.0037	7 .	34.5	N	ONE		0.623
7	4.0			4.0	(0				RABILITY				267.1) ² = 0.2	207
$(P_c)^2 = 7$	1.3	<u>-:</u>	(P _w) ² =		. 1	P _d =	26.3	%	(P _e - 1	4.4) +	14.4 = _	207.1	Γ	(P,	_d) ² =	
(P _c)² - (I	P _a)²	(F	P _c) ² - (P _w) ²	1. P _c ² - P _a ²	2:	LOG of			Backpre Slo	ssure pe = "			LOG				pen Flow liverability
or (P _c) ² · (I	P_)2		1	2. P _c ² -P _d ²		formula 1. or 2. and divide	D 2 D	2	i	- or signe	 d	" ^		A A	ntilog	Equal	R x Antilog
,	-			divided by: P _c ² - F	2 W	by:	P _c ² -P _w		Stand	dard S	lope						(Mcfd)
71.14		66	.41	1.071	+	0.0298	 3		0.850			0.0	254	1.060	02	36.5	58
Open Flo	w 37		l	Mcfd @ 1	1.65				Deliveral	oilitv	,		· · · · · · · · · · · · · · · · · · ·	1	14.65 p	sia	
		iażas	1 authority a	n behalf of th		···	tates th	at ha		<u> </u>	ized to	make t	he above ren				ledge of
				aid report is tr								lay of					₂₀ 12

Precision Wire Line of TESH ng RECEIVED

For Company

Checked by

WOOD 18

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
	ler Rule K.A.R. 82-3-304 on behalf of the operator
_	going pressure information and statements contained on this application form are true and
	t of my knowledge and belief based upon available production summaries and lease records
	allation and/or upon type of completion or upon use being made of the gas well herein named.
	est a one-year exemption from open flow testing for the
gas well on the gro	ounds that said well:
(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	e to supply to the best of my ability any and all supporting documents deemed by Commission
_	to corroborate this claim for exemption from testing.
,	
Date:	
	Signature:
e . Jack Seas	Title:

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.