## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(	See Instruci	tions on Re	verse Side	)				
✓ Open	Flow			Test Date	· e:			ДРІ	No. 15			
Deliverabilty				1/27/2014						<del>10204-0000-</del>		
Company PINTAIL PETROLEUM, LTD					-	Lease ZERGE	R		20,204 	1	Weil Number	_
County Location KINGMAN SW NE				Section 31		TWP . 27S		RNG (E/W) 5W			Acres Attributed	
Field ZERGER			·	Reservoir MISSISSIPPI			Gas Gathering Connection WEST WICHITA		ection	n · ·		
Completion 5/9/1970	Date			Plug Bac	k Total Dept	lh <sub>,</sub>	•	Packer S	Set at			-
Casing Size Weight 4 1/2"			ıt .	Internal Dia		iameter Set at 3910		Perforations 3773		то 3778		_
Tubing Size Weight			nt	Internal Diameter			Set at Perform		orations To .			
Type Comple SINGLE C		escribe)			d Production	n		Pump Ur PUMP	nit or Traveling	Plunger? Yes	)/ No	_
roducing TI	'hru (An	nulus / Tubin	9)	% Carbon Dioxide				% Nitrogen Ga			Bas Gravity - G <sub>g</sub>	
Vertical Dept	th(H)				Pres	sure Taps	<u> </u>			(Meter I	Run) (Prover) Size	_
			6 2	20 15 at 8:00 (AM) (PM) Taken 1				/27				_
Vell on Line	):	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	in Hour	rs
Static / Orifice Dynamic Size Property (inches)		Circle one: Meter Prover Pressi		Flowing Temperature	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing  Wellhead Pressure $(P_w)$ or $(P_l)$ or $(P_c)$		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In 1/4"		psig (Pm)	Inches H <sub>2</sub> 0		<u> </u>	95ig 300#	psia	psig 30#	psia	24 HRS	18 BWPD	1
Flow	_		<del></del>	_							<u> </u>	1
		<u> </u>	<u> </u>	·	FLOW STE	EAM ATTR	L IBUTES	L				J
Plate Coefficeient .(F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or over Pressure psia	Press Extension √ P <sub>m</sub> xh	Gra Fac	tor Temperature		Deviation Factor F <sub>pv</sub>		Metered Flow R . (Mcfd)	w GOR (Cubic Fe Barret)	Graviti	
				-	,	<u>."</u>						1
			<u> </u>	•	OW) (DELIV						² = 0.207	<b>」</b> ,
P <sub>c</sub> ) <sup>2</sup> ≈	<del></del> :	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2	P <sub>a</sub> =			P <sub>c</sub> - 14.4) +		<u> </u>	(P <sub>d</sub> )		٦
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		우_)² - (우_)²	P <sub>w</sub> ) <sup>2</sup> 1. P <sub>c</sub> <sup>2</sup> · P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> · P <sub>a</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> · P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Open Flow Deliverability Equals R x Antilog (Mcfd)	9 .
-									<del></del> -			],
Open Flow			Mcfd @ 14	.65 psia	,	Deliveral	oility			Mcfd @ 14.65 ps	ia	
The unc			<del></del>	Company,	t. Executed	ne is duly a I this the <u>5</u>	thorized t		,	ort and that he ha	as knowledge of 20 15	
	· <del></del>	Witness	if any)	KAN	SAS CORPORA		SSION	10	Luci	MALLE ANS	SAS CORPORATION	_
		For Com	nission		<del>-APR-</del> 0	1 2015	•		Che	ecked by	FEB-1,7	<del>-2</del> 01
				C	ONSERVATI WICHII	ON DIVISION TA, KS	ı	•			CONSERVATION WICHITA, I	

I declare under penalty of perjury under the laws of exempt status under Rule K.A.R. 82-3-304 on behalf of the	of the state of Kansas that I am authorized to request ne operator PINTAIL PETROLEUM, LTD									
and that the foregoing pressure information and stater										
correct to the best of my knowledge and belief based up	on available production summaries and lease records									
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the ZERGER #1										
gas well on the grounds that said well:	w testing to the									
(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 an	y and all supporting documents deemed by Commission									
staff as necessary to corroborate this claim for exempt	ion from testing.									
·										
Date: 2/5/2015										
<u> </u>										
Received										
KANSAS CORPORATION COMMISSION Signature:	Aue a James									
ADD n 4 204E	PRODUCTION & COMPLIANCE MANAGER									
CONSERVATION DIVISION										
WICHITA, KS										
•										

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. KANSAS CORPORATION COMMISSION