KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	tions on Rev	erse Side))					
Open Flow				Test Date	a.			ΔΡΙ	No. 15					
De	liverab	ilty			3/16/20					145-21295	-00-00			
Company PINTAIL PETROLEUM, LTD						Lease HAS FARMS (S				HOOP) 1			Well Number	
County Location PAWNEE SE SE				Section 33		TWP 23S			(W)	Acres Attributed				
Field HERN					Reservoi VIOLA	Г			Gas Gat	hering Conn	ection			
Completion Date 4/7/1989				Plug Bac 4118	Plug Back Total Depth 4118			Packer S	Set at					
Casing Size Weight 4 1/2* 10.5#			!	Internal Diameter 4.052			Set at Perfor 4112 3989		rations To 4074		-			
•			Weigh 4.6#	<u> </u>	Internal (1.996	Internal Diameter 1.996		Set at 3967		Perforations		То		
Type Completion (Describe) SINGLE GAS				• •	Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes			S)/ No			
Producing	g Thru	(Anr	nulus / Tubing)		% Carbon Dioxide				en	Gas G	Gas Gravity - G		
TUBING	3													
Vertical Depth(H) 4031					Pressure Taps FLANGE					(Meter 2"	Run) (Pi	rover) Size		
Pressure	Buildu	p: :	Shut in3/15	5 2	0 <u>11</u> at 8	:00	(AM) (PM)	Taken_3/	16	20	11 at 8:00	(AM) (PM)	
Well on L	ine:	;	Started	2	0 at	.,	(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut	_{-in_} 24	Hours	
Static / Orifice Dynamic Size Property (inches		0	Circle one: Meter Prover Pressu		Flowing Temperature t	Well Head Temperature t	Wellhead i	Casing Wellhead Pressure $(P_w) \bowtie (P_t) \bowtie (P_c)$		Tubing ad Pressure r (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In			psig (Pm)	Inches H ₂ 0			psig 72#	psla	psig psia 60#		24 HR			
Flow									ļ			-		
			_	1	<u> </u>	FLOW STR	EAM ATTRI	BUTES	l			-l		
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x h	Grav Fac F _s	tor T	Flowing emperature Factor F ₁₁	Fa	iation ctor :	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	Feet/ Fluid		
	, l.				(OPEN FL	OW) (DELIVI	ERABILITY)	CALCUL	ATIONS		l			
(P _c) ² =		_:	(P_)² =	:	, P _d =		•	- 14.4) +		:	-	$1^2 = 0.26$ $1^2 = $		
(P _a) ² - (P _a) ² or (P _a) ² - (P _d) ²		(P	(P _w) ² - (P _w) ²	1. P _c ² - P _d ² 2. P _c ² · P _d ² divided by: P _c ² - P _d ²	LOG of formula 1, or 2, and divide	b.5. b.5	Backpressure Slope = "nor Assigned Standard Sk		- n x	rod	Antilog	Op Deli Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	ļ													
Open Flow 42			Mcfd @ 14.	Mcfd @ 14.65 psia			Deliverability 42			Mcfd @ 14.65 psia				
The t	undersi	gnec	authority, or	behalf of the	Company, s	states that he	e is duly au	thorized t	o make th	ne above repo	ort and that he ha	as know	ledge of	
the facts s	tated th	nerei	n, and that sa	id report is true	and correc	t. Executed	this the 14		day of A	PRIL		, 2	20 11 .	
			Witness (if	any)			-		Su C	Janu For	Company	RE(CEIVED 1 5 201	
			For Comm	ssion			-			Che	cked by	APR	-1 5 -201	
													-41	

and that correct to of equips I her	tatus under Rule K.A.R. 82-3-304 on behalf of the operator PINTAIL PETROLEUM, LTD the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records nent installation and/or upon type of completion or upon use being made of the gas well herein named. By request a one-year exemption from open flow testing for the HAS FARMS (SHOOP) #1 on the grounds 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 her agree to supply to the best of my ability any and all supporting documents deemed by Commiss eccessary to corroborate this claim for exemption from testing.
Date: A	PRIL 14, 2011
	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.

RECEIVED

APR 1 5 2011