KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Instru	ctions on F	leverse S	ide,)					
✓ Op	en Flov	N				Tool Date					A (7)	No 15	_			
Deliverabilty					Test Date: 3/24/2011					No. 15)77-20838	-00	∞				
Company PINTAIL		ROL	EUM, LTD					Lease HARR	ISON				 	 w #2	ell Numbe	-
County Location HARPER NE SW				Section 21		TWP 33S				W)	Acres Attributed			uted		
Field					Reservoir MISSISSIPPI				Gas Gathering Connection ATLAS							
Completion Date				Plug Bac	Plug Back Total Depth				Packer Set at							
				4477 Internal (Internal Diameter Set at				Perfor		То					
4 1/2" 10.5# Tubing Size Weight				Internal Diameter				4499 Set at			ations	4471 To				
2 3/8"								44	50						-:	
Type Con SINGLE	GAS	<u>`</u>				WATE						it or Traveling				
Producing Thru (Annulus / Tubing) TUBING				.20	% Carbon Dioxide				% Nitroge 4.87	en		Gas Gravity - G _g .684				
Vertical D	epth(H)						ssure Taps					· ·	='	ın) (Provei) Size
4458	D. all 1		3/2	23	2	<u>. 11 . 8</u>		NGE		3/2	24	20		2" 3:00		
Pressure Well on L			Snut in									20			(AM) (AM)	
		_					OBSERV	ED SURFA	CE DATA	<u> </u>			Duration o	of Shut-in	24	Hours
Static / Orifice Size (inches Shut-in 1/2"		Ð	Meter Prover Pressure		Pressure Differential in	Flowing Temperature t	Well Head Temperatur	Casing		9	Tubing Wellhead Pressure (P _w) or (P ₁) or (P _a)		Duration (Hours)		Liquid Produced (Barrels)	
		psig (Pm)		Inches H ₂ 0				psig psia 400#		_	psig psia 40#		24 HR		125 BWPD	
Flow	172							100#					24111		120 511	
			,	!			FLOW ST	REAM ATT	RIBUTES	<u>_</u> S						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension P _m xh	Fac	Gravity Factor F _e		Temperature F.		viation Metered Flow actor R = (Mcfd)		W GOR (Cubic Feet/ Barrel)		, F	owing Fluid ravity G _m
						(ODEN 51	OW/ /DEL I	VEDADU I	74) 044 0		ATIONS					
(P _c) ² =		_ :	(P _*)² =	=	:	P _d =		VERABILIT _%	(P _c - 14.4			:		(P _a) ² : (P _d) ² :	= 0.207 =	_
$(P_e)^2 \cdot (P_a)^2$ or $(P_e)^2 \cdot (P_d)^2$		(P _e) ² · (P _u) ²		Choose formula 1 or 2: 1. P _c ² -P _s ² 2. P _c ² -P _c ² divided by: P _c ² -P _s ²		LOG of formula 1. or 2. and divide by:		Backpressure Curv Slope = "n"orAssigned Standard Slope		Jrve	<u> </u>		Antilog		Open Flow Deliverability Equals A x Antilog (Mcfd)	
						-	<u></u>				-					
Open Flo	w 20				Mcfd @ 14.	.65 psia		Deliver	ability 20)			Mcfd @ 14	4.65 psia		
		igne	d authority, c	on b	ehalf of the	Company,	states that	he is duly	authorize	d to	make th	e above repo	ort and tha	t he has	knowledg	e of
the facts s	tated th	nerei	in, and that s	aid	report is true	e and correc	t. Execute	d this the _	1	1	day of Al	PRIL			, 20 _	1
·	. <u></u>		Witness	()f an	v)	 			_d	4	e Da	WW FOOT	Company		REC	<u>EIVE</u> I
										_					_APR_	0_4_21
			For Com	missi	On							Che	cked by			

	aws of the state of Kansas that I am authorized to request
correct to the best of my knowledge and belief bas	statements contained on this application form are true and ed upon available production summaries and lease records letion or upon use being made of the gas well herein named.
is on vacuum at the present tim is not capable of producing at a	water jection into an oil reservoir undergoing ER e; KCC approval Docket No a daily rate in excess of 250 mcf/D ity any and all supporting documents deemed by Commission
Date: 4/1/2011	RECEIVED APR 0 4 201
Signatu	
Tit	tle: PRODUCTION & COMPLIANCE MANAGER

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.