KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruc	tions on Re	verse Side)				
√ op	en Flov	~			Took Date				ADU	u_ 4¢			
☐ De	liverab	ity			Test Date 3/10/20					No. 15 177-20683 -	00-00		
Company		ROL	EUM, LTD				Lease HARRI	SON				Well Nu	mber
County Location HARPER S/2 SW SE				Section 21		TWP RNG (E/W) 33S 6W			Acres Attributed				
Field STOHR	VILLE				Reservoi MISSIS				Gas Gath	ering Conne	ection	<u>.</u>	
Completion 5/10/198		9			Plug Bac 4486	k Total Dep	th		Packer Se	et at	· · · · · · · · · · · · · · · · · ·	•	
Casing S 4 1/2"	lze		Weight		Internal (Diameter	Set 452		Perfor		To 4478		
Tubing S 2 3/8"	ize		Weight	v	Internal (Diameter	Set		Perfor	ations	То		
Type Cor			escribe)	• "	Type Flui WATE	d Production		· · · · · · · · · · · · · · · · · · ·	Pump Uni	t or Traveling UNIT	Plunger? Yes	/ No	
Producing	•	(Anr	nulus / Tubing)	% C	Carbon Dioxi	ide	··	% Nitroge 4.87	n	Gas Gra	avity - G	
Vertical D)				Pres	sure Taps				(Meter F	Run) (Pr	over) Size
4474						FLAI	NGE				4"	- 1	·
Pressure	Buildu) :	Shut in 3/9	2	0 12 at 8	:00	(PM)	Taken_3/	10	20	12 _{at} 8:00	(AM) (PM)
Well on L	ine:	1	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in	Hours
Static / Dynamic Property	Oritle Size (inche	•	Circle one: Meter Prover Pressur	I	rential Temperature Temperature (P ₊) or (P ₁) or (P ₂) or (P ₂) or (P ₂) or (P ₂) or (P ₃) or (P ₄		d Pressure	Ouration (Hours)					
Shut-In	1/2"		psig (Pm)	Inches H ₂ 0			psig 85#	psla	psig 50#	psia	24 HR	111	BWPD
Flow													
						FLOW STR	REAM ATTE	IBUTES					
Plate Coefficient (F _b) (F _p) Mcfd			Circle one: Meter or war Pressure psia	Press Extension ✓ P _m xh	Gravity Factor F _g		Flowing Temperature Factor F _{ft}	emperature Factor F		Metered Flow R (Mctd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _e
			i										
(P _e) ² =		_:	(P _w) ² =_	<u> </u>	(OPEN FL	OW) (DELIV		') CALCUL P _e - 14.4) +		;	(P _a) [;] (P _a) [;]	2 = 0.20 2 =	07
(P _e) ² - (i	P_)2	(P		1. P _a ² - P _a ² 2. P _a ² - P _a ²			Backpre Slo	essure Curve pe = "n" - or	nxt	og [Antilog	Op Deli	en Flow verability R x Antilog
(P _a)*- (i	P _a)2			Nided by: Pa-Pa	and divide by:	P.*. P.*		ssigned Jard Slope		[,]			Mcfd)
				<u></u>					-	, .			
Open Flo	w 35		. <u>J</u>	Mcfd @ 14.	l 65 psia		Deliverat	oillty 35		<u></u>	Mcfd @ 14.65 psi	L a	
The	undersi	gnec	d authority, on	behalf of the	Company, s	states that h	e is duly a	uthorized to	o make the	above repo	rt and that he ha	s know	edge of
the facts s	tated th	erei	n, and that sa	ld report is true	and correc	t. Executed	this the 1	5	day of M	ARCH		, 2	20 12
			Wilness (if	any)			:	S	u K	lacces For C	ompany	REC	EIVED
			For Commi	esion			-			Čhec	ked by	MAR-	1-6-201 2

	penalty of perjury under the laws of the state of Kansas that I am authorized to request r Rule K.A.R. 82-3-304 on behalf of the operator PINTAIL PETROLEUM, LTD								
	ing pressure information and statements contained on this application form are true and								
correct to the best of	of my knowledge and belief based upon available production summaries and lease records								
•	ation and/or upon type of completion or upon use being made of the gas well herein named. It a one-year exemption from open flow testing for the HARRISON 1								
gas well on the gro									
(Check o	ne)								
	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								
	s on vacuum at the present time; KCC approval Docket No								
\checkmark	s not capable of producing at a daily rate in excess of 250 mcf/D								
_	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: 3/15/2012									
	Signature:								
	Title: 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.

MAR 1 6 2012

KCC WICHITA