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

Type Test	t:					(	See Instr	uct	ions on Re	verse Side	•)					
✓ Op	en Flow	•				Tool Date					A Di	No. 15				
Deliverabilty				Test Date: API No. 15 3/24/2011 15-095-00226							-6	m				
Company PINTAIL		OL	EUM, LTD						Lease BROAD	WAY				1	Well N	ımber
County Location KINGMAN SESE				Section 21				TWP 28S		RNG (E/W) 5W		Acres Attributed		Attributed		
Field BROADWAY				Reservoir MISSISSIPPI				Gas Gathering Connection WEST WICHITA								
Completion Date 3/30/1951				Plug Back Total Depth 3890					Packer Set at			-1 32 1				
Casing Size Weight 5"				Internal Diameter S				at Perforations			То					
Tubing Size Weight				Internal Diameter Set at				at	Perforations			То				
Type Completion (Describe)					Type Fluid Production WATER & OIL				Pump Unit or Traveling Plunger? Yes / No PUMPING UNIT							
Producing ANNUL	•	(Anr	nulus / Tubin	g)		% C	arbon Di	oxic	de		% Nitrog	jen		Gas G	ravity -	G,
Vertical C		)					Pr	ess	sure Taps					(Meter	Run) (F	rover) Size
Pressure	Buildup	);	Shut in 3/2	3	2	20 11 at 8	:00	_	(ÂM)(PM)	Taken_3/	24	20	11	8:00	(	(AM) (PM)
Well on L	ine:		Started		2	20 at		_	(AM) (PM)	Taken		20	· —	_ at		(AM) (PM)
							OBSER	۷E	D SURFAC	E DATA			Dur	ration of Shut	-in_24	Hours
Static / Orifice Dynamic Size Property (inches)		•	Circle one: Meter Prover Presso psig (Pm)	Pres Differ inche	ential	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>6</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	Shut-In		paig (i iii)	mone	1 1120				psig 65#	psla	40#	psia	24	HR	41	BWPD
Flow																
				_			FLOW S	TR	EAM ATTR	IBUTES						
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Gircle one: Meter or Prover Pressure psia		Pre Exter	sion	Grav Fac F	tor Temperature		Fe	Deviation Metere Factor F F <sub>pv</sub> (Mo		(Cubic Fo		eo1/	Flowing Fluid Gravity G <sub>m</sub>	
				<u> </u>		(OPEN FL	OW) (DEI	LIV	ERABILITY	) CALCUL	ATIONS			(P	)² = 0	207
(P <sub>e</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =		_ :	P <sub>d</sub> =		9	% (F	P <sub>e</sub> - 14.4) +	14.4 = _	:			) <sup>2</sup> =	
$(P_e)^2 - (P_a)^2$ or $(P_e)^2 - (P_d)^2$		(P <sub>e</sub> )²- (P <sub>w</sub> )²		1. P <sub>c</sub> ² 2. P <sub>c</sub> ²	2. P <sup>2</sup> -P <sup>2</sup>		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" Or Assigned Standard Stope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
															ļ	
Open Flo				Mefd	<b>Q</b> 14	.65 psia			Deliverab	nility		<del>-</del> :	Mefe	d <b>@</b> 14.65 ps	Sin	
•		ane	t authority o			·	states tha	t h			o make t	he above rep		······································		viedge of
	•	_	n, and that s						-			PRIL	u	110 11		20 11
ne racis s	ialeo in	16161	n, and mat s	aid report	is iru	e and correc	a. Execu	lea	mis me <u></u>	d	yay 01 _	Donies				CEIVED
			Witness (	il any)				-	=			For	Comp	eny	APR	0 4 201
			For Comm	nission	•			-	-			Chi	ckedi		CC	WICHIT

Ldec	clare und	er penalty of nerio	irv under the law	s of the state of	Kansas that I am :	authorized to request
			•		INTAIL PETROLE	•
						ion form are true and
correct to	o the best	t of my knowledge	and belief based	upon available p	roduction summar	ies and lease records
		•	•	•	•	as well herein named.
i here	eby requ	est a one-year exe	mption from oper	n flow testing for t	he BROADWAY	<del>#1</del>
gas well o	on the gr	ounds that said we	ell:			
	(Check	one)				
	· M	is a coalbed met	nane producer			
	П	is cycled on plun	ger lift due to wa	ter		
		is a source of na	tural gas for injec	tion into an oil re	servoir undergoing	j ER
		is on vacuum at t	he present time;	KCC approval Do	ocket No	
	$\overline{\checkmark}$	is not capable of	producing at a d	aily rate in exces	s of 250 mcf/D	
l furti	ther agree	e to supply to the t	pest of my ability	any and all supp	orting documents	deemed by Commission
staff as n	necessar	y to corroborate th	is claim for exem	ption from testin	g.	
Date: <u>4/1</u>	1/2011					DEOE
						RECEIVE
						APR 0 4 20
					$\bigcirc$	APR 0 4 20 KCC WICHI
			Signature:	Such	Sauce	
			Title	PRODUCTION	& COMPLIANCE	MANAGER
			riue.			

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.