KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

NOV **04** 2013

Type Test:					((See Instructions on Reverse Side)						CONSERVATION DIVISION WICHITA, KS	
Open Flow Deliverability						Test Date: API No. 15 10-31-2013 15-175-20471-00							
Compan First Na		Oil (Company			-	Lease Him Ra	nch			#2	Well Number	
County Location Seward SW SE SW			Section 16		TWP 33S	· · · · · · · · · · · · · · · · · · ·		M)		Acres Attributed 640			
Field Arkalon				Reservoi Morrow	r		Gas Gathering Connect Oneok			ection			
Completion Date 07.11.80				Plug Bac 6300	Plug Back Total Depth 6300			Packer S	Set at				
Casing Size Weight 4.500 10.5			Internal I 4.052	Diameter				Perforations 5636					
Tubing Size Weight 2.375 4.70				Internal (1.995	Diameter		Set at 5621		Perforations				
Type Completion (Describe) Single Gas				Type Flui	Type Fluid Production			Pump U	nit or Traveling	Plunger? Yes	/ (100)		
Producin	g Thru	(Anı	nulus / Tubing)	% C	arbon Dio	xide		% Nitrog	en	Gas G	iravity - G _g	
Vertical I	Depth(H	l)				Pre	ssure Taps				(Meter	Run) (Prover) Size	
Pressure	Buildu	—— D: :	Shut in Oct	ober 30	0 13 _{at} 8	:00am	(AM) (PM)	Taken O	ctober 3	31 20	13 at 8:00	(AM) (PM)	
Well on L	1											(AM) (PM)	
					<u>-</u> .	OBSERV	ED SURFAC	E DATA			Duration of Shut	1-in 24 Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature †	Flowing Well Head Temperature		Casing Wellboad Process		Tubing ad Pressure r (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			paig (i iii)	III CIGS 1120			530	psia	530	psia			
Flow													
	- 1					FLOW ST	REAM ATTR	IBUTES					
Plate Coefficient (F _b) (F _c) Mctd			Circle one: Meter or Extens rover Pressure psia		Gravity Factor F _q		Temperature F		viation Metered Flor actor R F _{pv} (Mcfd)		w GOR (Cubic F Barrel	eet/ Fluid	
	L				(OPEN FLO	OW) (DELI	VERABILITY	CALCUL	ATIONS		/D	2 0 207	
(P _c) ² =		<u>:</u>	(P _w) ² =	: Choose formula 1 or 2:	P _d ≖		% (F	· - 14.4) +	14.4 =	;) ² = 0.207) ² =	
(P _c) ² - (I	P _a) ²	(P	_c) ² - (P _m) ²	1. P _c ² - P _c ² 2. P _c ² - P _c ² wided by: P _c ² - P _c ²	LOG of formula 1, or 2, and divide	P ₂ ·P ₂	Slor	ssure Curve De = "n" Or	n x l	roe [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	ilitv			Mcfd 9 14.65 ps	lia lia	
The	undersi	gned	authority, on		•	tates that			o make th			as knowledge of	
the facts s	tated th	ereir	n, and that sa	d report is true	and correct	t. Executed	d this the $\frac{3}{}$		day of O	ctober		, 20	
			Witness (if	any)			Ė	rirst	1 Jati	onel D	Company		
			For Commi	ssion			_		40	<u> </u>	tked by		
								0	/		•		

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ONSERVATION DIVISION

	CONSERVATION DIVIDION OF THE CONSERVATION OF THE CONSERVATIO
	r penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator First National Oil Company
	ping pressure information and statements contained on this application form are true and
	of my knowledge and belief based upon available production summaries and lease records
	lation and/or upon type of completion or upon use being made of the gas well herein named. st a one-year exemption from open flow testing for theHirn Ranch #2
	unds that said well:
gas well on the gro	unds trat said well.
(Check d	one)
	is a coalbed methane producer
	is cycled on plunger lift due to water
一	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
	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: October 31,	2013
	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.