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

Type Tes	t:				(	See Instruc	tions on Re	verse Side	e)				
	oen Flo eliverat				Test Date	<b>9:</b>				No. 15 2 <b>3-20945-</b> 0	0-00		
Company Noble E		Inc					Lease Zweyga	ardt			12-32	Well Nu	ımber
County Location Cheyenne SW-NW			Section 32		TWP 3S			RNG (E/W) 41W		Acres Attributed			
Field Cherry Creek			Reservoi Niobrara					ering Conne n Star/Kinde					
Completi 2/13/200		te	<del></del>		Plug Bac 1668'	k Total Dep	th		Packer S	et at			
Casing Size 7", 4-1/2"			Weigh <b>17</b> #, 1		Internal [ 9-7/8",							To 1508'	
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995		Set a			Perforations		То	
Type Completion (Describe) Single (gas)			Type Fluid Production Saltwater				Pump Uni Yes	Plunger? Yes	nger? Yes / No				
	g Thru	(Anı	nulus / Tubing	)		Carbon Dioxi	ide		% Nitroge	en	Gas Gr	avity - (	G <sub>g</sub>
Vertical E		H)		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Pres	sure Taps			***************************************	(Meter	Run) (P	rover) Size
Pressure	Duilde		Shut in	)	0 11 at 2	:00	(AM) (PM)	Taken		20	at		(AAA) (BAA)
Well on L		ıp.	Started 1/20	)2	0 11 at 2		(AM) (PM)				at		
-			·		<del></del>	OBSERVE	D SURFAC	E DATA			Duration of Shut-	<sub>in</sub> 24	Hours
Static / Dynamic Property	tatic / Orifice Meter Diffe		Pressure Differential in Inches H <sub>2</sub> 0	Temperature Temperature		Cas Wellhead (P <sub>w</sub> ) or (F	Casing Welthead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		ubing id Pressure (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liqui	Liquid Produced (Barrels)	
Shut-in			poig (i iii)	THORES 7120			psig 60	psia	psig psia				
Flow													
			<del></del>		<del>.</del>	FLOW STF	REAM ATTR	IBUTES	· .				<del></del>
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or ver Pressure psia	Press Extension √ P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>ft</sub>	mperature Factor		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
				· 									
(P <sub>c</sub> ) <sup>2</sup> =			(P <sub>w</sub> ) <sup>2</sup> =	•	(OPEN FL	OW) (DELIV		') CALCUL P <sub>e</sub> - 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.2	207
(P <sub>c</sub> ) <sup>2</sup> - ( or (P <sub>c</sub> ) <sup>2</sup> - (		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2.  1. $P_c^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_d^2$ fivided by: $P_c^2 \cdot P_a^2$	LOG of formula 1. or 2. and divide		Backpre Slo 	essuré Curve pe = "n" - or signed lard Slope	nxl	og [	Antilog	O Dei Equals	pen Flow iverability s R x Antilog (Mcfd)
	*				*		-					ļ	
				14-41-0-44	05		Dalimant				Antal @ 14 SE no	· ·	
Open Flo				Mcfd @ 14.	-		Deliverat				/lcfd @ 14.65 ps		
		_		behalf of the					o make the		t and that he ha		ledge of 20 <u>11</u>
			,	-1				Ch	eu	l Do	Loor	R	ECFIVE
-	-		Witness (if	any)		· · · · · ·	-			For Co	ompany	r\r	r 4 n ne
			For Comm	ssion			-			Check	sed by		it 13 21

		Signature:(	Cleryl	John	202
Date. ///2_/	<u>///</u>	·			
_	e to supply to the best y to corroborate this cl			g documents deem	ed by Commission
<b>✓</b>	is not capable of prod	ducing at a daily r	rate in excess of 2	250 mcf/D	
	is on vacuum at the p	-			
	is cycled on plunger l is a source of natural		into an oil reserv	oir undergoing FR	
	is a coalbed methane	•			
(Check	•				
gas well on the gr	ounds that said well:				
I hereby requ	est a one-year exempti	on from open flow	v testing for the	Zweygardt 12-32	
	allation and/or upon typ				ll herein named.
correct to the bes	t of my knowledge and	belief based upor	n available produ	ction summaries an	d lease records
	joing pressure informa				rm are true and
	er penalty of perjury u der Rule K.A.R. 82-3-30				

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 signed and dated on the front side as though it was a verified report of annual test results.

DEC 13 2011