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

Type Test	t:				(	See Instruct	tions on Reve	erse Side	)			
= '	en Flo liverat				Test Date	<b>э</b> :				No. 15 0 <b>23-20786-</b> 0	0-00	
Company Noble E		Inc					Lease Zweygar	dt			43-32	Well Number
County Cheyenne			Locati <b>NE-SE</b>	nc	Section 32			TWP 3S		W)	Acres Attributed	
Field Cherry Creek						Reservoir Niobrara			Gas Gathering Connection Southern Star/Kinder Morgan			
Completic 9/20/200		te			Plug Bac 1511'	k Total Dept	th		Packer S	Set at		
Casing Size 7", 4-1/2"			Weigh 17#, 9		Internal Diameter 9-7/8", 6-1/4"		Set at 291', 1553'		Perforations 1348'		то 1390'	
Tubing Size 2-3/8"		Weigh 4.7#	Ì	Internal Diameter 1.995		Set at		Perforations		То		
Type Con Single (						d Production	n		Pump Ur Yes	nit or Traveling	Plunger? Yes	/ No
			nulus / Tubing			arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G
Tubing		•		,								- <b>.</b>
Vertical D	Oepth(l	H)				Pres	sure Taps	•			(Meter F	Run) (Prover) Size
Pressure	Buildu		Shut in 2/2		0_11 at 1		(PM)	Taken		20	at	(AM) (PM)
Well on L	ine:		Started 2/2	52	0 11 at 1	0:40	(PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 Hours
Static / Dynamic	Orifi Siz	e	Circle one: Meter Prover Pressu	Pressure Differential	Flowing Temperature		Casir Wellhead P (P_) or (P,)	ressure	Wellhe	fubing ad Pressure (P,) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Property	(inch	168)	psig (Pm)	Inches H <sub>2</sub> 0	t	t	psig	psia	psig	psia	(**====,	(32.75.5)
Shut-In							110					
Flow												
				<del></del>	<del> </del>	FLOW STR	EAM ATTRI	BUTES	····		<del></del>	
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fact	tor 1	Flowing Femperature Factor F <sub>11</sub>	Fa	iation ector py	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G <sub>m</sub>
(P <sub>c</sub> )² =			(P <sub>w</sub> )² =		(OPEN FLO		ERABILITY)	CALCUL - 14.4) +			(P <sub>a</sub> ); (P <sub>d</sub> );	2 = 0.207 2 =
(P <sub>e</sub> ) <sup>2</sup> - (I	-	(F	P <sub>a</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	2. P <sub>2</sub> <sup>2</sup> - P <sub>2</sub> <sup>2</sup> 1. P <sub>2</sub> <sup>2</sup> - P <sub>2</sub> <sup>2</sup> 2. P <sub>2</sub> <sup>2</sup> - P <sub>2</sub> <sup>2</sup> Wided by: P <sub>2</sub> <sup>2</sup> - P <sub>2</sub>	LOG of formula 1, or 2, and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpress Slope	sure Curve = = "n" or gned rd Slope	n x		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
				-								
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @ 14.65 psi	a
		•	in, and that sa	id report is trui			•			ecember	irt and that he ha	s knowledge of, 20 <u>11</u>
			Witness (i			· · · · · · · · · · · · · · · · · · ·	_	<u>-</u>	0	V	Company	EC 2 0 20M
			For Comm	ssion			<del></del>			Chec	ked by	LC Z O ZUIT

	er 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 Noble Energy Inc
nd that the foreg orrect to the best f equipment insta	oing 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 llation 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 the
	ounds that said well:
•	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 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.
	Signature: Keryl Jo Kuson  Title: Regulatory Analyst II

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.

RECEIVED

DEC 2 8 2011

KCC WICHITA