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

Type Tes	t:				(	See Instruc	tions on Re	verse Side	<b>e</b> )					
□ Op	en Flo	w			<b>-</b>									
De	liverab	ilty			Test Date	9:				No. 15 023-20751-0	n-nn			
Company Noble E		Inc					Lease Rueb Fa	arm		20.010		Well Nu	mber	
County Cheyenne			Locati NE-SW	Section 15		TWP 3S		RNG (E/W) 42W			Acres Attributed			
Field Cherry Creek					Reservoir Niobrara					athering Connection r Morgan				
Completion Date 10/8/2007		9			Plug Bac 1639'	Plug Back Total Depth 1639'		I		Packer Set at				
Casing Size 7", 4-1/2"			Weigh 17#, 9		Internal Diameter 9-7/8", 6-1/4"		Set at 304', 1681'		Perforations 1484'		То 1539'	то 1539'		
Tubing Size 2-3/8"			Weigh 4.7#	Internal ( 1.995	Internal Diameter 1.995		Set at		Perforations		То			
Type Completion ( Single (gas)		n (De	scribe)		Type Flui Saltwa	d Productio	en		Pump Ur Yes	nit or Traveling	Plunger? Yes / No			
Producing	g Thru	(Ann	ulus / Tubing	<b>)</b> )	% C	arbon Diox	ide		% Nitrog	en	Gas Gr	avity - G	à,	
Vertical E	Depth(H	()		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Pres	ssure Taps				(Meter F	Run) (Pr	over) Size	
Pressure	Buildu	p: S	Shut in <u>4/2</u>	0 2	0_11 at_1	2:05	. (AM) (PM)	Taken		20	at	(	AM) (PM)	
Well on Line:		5	Started 4/2	4/21 20		11 at 12:35		_		20				
						OBSERVE	ED SURFACE	E DATA	<del></del> -		Duration of Shut-	in 24.	5 Hours	
Static / Dynamic Property	Orifii Size (Inche	• ]	Circle one: Meter Prover Pressu	1	Flowing Temperature	Flowing Well Head Wellhead Pressure Wellhead Pressure Dura Wellhead Pressure Wellhead Pressure Dura		Duration (Hours)	Liquid Produced (Barrels)					
Shut-In	(	psig (Pm)		Inches H <sub>2</sub> 0	· -	<b>'</b>	psig	0318	psig	osia		<u>                                     </u>		
Flow							110		<u>                                       </u>		<del>:</del>	-		
<u> </u>				!		FLOW ST	REAM ATTR	IBUTES	.!			<u>.l</u>		
Plate	,		Circle one:	Press	Grav		Flowing	1			<u> </u>		Flowing	
Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mctd			Meter of ret Pressure psia	Extension P_xh	Fact	tor	Temperature Factor F,,		riation actor F <sub>p</sub> ,	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Fluid Gravity G <sub>m</sub>	
Ĺ					(OPEN EL	0W) (0ELI)	/ERABILITY	CALCUI	ATIONS			<del></del>		
(P <sub>c</sub> ) <sup>2</sup> =	<del></del>	<u>.:</u>	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	P <sub>4</sub> =			) CALCUI			•	<sup>2</sup> = 0.2	07	
(P <sub>e</sub> )² · (I or (P <sub>e</sub> )² · (I		(P	<sub>z</sub> ) <sup>2</sup> - (P <sub>m</sub> ) <sup>2</sup>	Chadse formula 1 or 2 1. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> divided by: P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P, 2 . P, 2	Slor As	ssure Curvi be = "n" or signed ard Slope		LOG	Antilog	Deli Equals	pen Flow iverability i R x Antilog (Mcfd)	
												<del>                                     </del>		
Ĺ														
Open Flo		<del></del>		Mcfd @ 14,			Deliverab		<del></del>		Mcfd @ 14,65 ps			
											rt and that he ha		-	
the facts s	taled th	nereir	n, and that sa	uid repart is true	_	t. Executed	_	( <u> </u>	day of L	ecember	<u> </u>	,	20 11 .	
			Witness (i	any)	JA	AN 17	2012		ein	ForC	опралу			
			For Comm	ssion	KC	C WIC	HITA			Chec	ked by			

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	t status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	at the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
	pment installation and/or upon type of completion or upon use being made of the gas well herein named.
l h	ereby request a one-year exemption from open flow testing for the Rueb Farm 23-15
gas we	Il on the grounds that said well:
	(Check one)
	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
	•
l fu	rther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as	necessary to corroborate this claim for exemption from testing.
Date: _	12/27/2011
	Signature: Chery Sphison
	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.

RECEIVED
JAN 1 7 2012

**KCC WICHITA** 

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.