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

Type res	t:				(	See mstruc	uons on neve	erse Siue	;)				
	en Flo				Test Date	ə:			API	No. 15			
De	liveral	oilty								23-21009-0	00-00		
Company Noble I		gy, I	nc.				Lease Rueb Fa	rm			11-15E	Well Nur	nber
County Cheyenne			Location E2-NE-NW-NW		Section 15		TWP 3S		RNG (E/W) 42W		Acres Attributed		
Field Cherry (	Creek	Niol	orara Gas A	rea	Reservoi Niobrara					nering Conn reek Pipelin			
Completion 6/3/2008		te		Plug Bac 1669'	Plug Back Total Depti 1669'		h		et at				
Casing Size 7", 4-1/2"			Weigh <b>17</b> #, 1		Internal Diameter 9-7/8", 6-1/4"		Set at 334', 1712'		Perforations 1537'		то 1574'		
Tubing Size 2-3/8"			Weigh 4.7#	1	Internal Diameter 1.995"		Set at 1589'		Perforations		То		
	•	•			/ No	······································							
			nulus / Tubing	)		Carbon Dioxi	ide		% Nitroge	en	Gas Gra	avity - G	g
Tubing	~												
Vertical D	epth(l	⊣)				Pres	sure Taps				(Meter F	Run) (Pro	over) Size
Pressure	Buildu	-	Shut in2/3/		10 at 1		(AM)(PM) 1	Taken		20	at	( <i>F</i>	AM) (PM)
Well on L	ine:		Started 2/4/	2	0 <u>10</u> at <u>1</u>	:15	(AM) (PM)	Taken		20	at	( <i>F</i>	AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-i	<sub>n</sub> _26	Hours
Static / Dynamic Property	Orif Siz (inch	e.	Circle one: Meter Prover Pressui	Pressure Differential e in	Flowing Temperature t	Well Head Temperature t	Casin Wellhead P (P <sub>w</sub> ) or (P <sub>t</sub> )	ressure	Wellhea	ubing d Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)		Produced arrels)
Shut-In	(11101		psig (Pm)	Inches H <sub>2</sub> 0	•		psig 105	psia	psig	PANSAS	RECEIVED CORPORATION COM	MISSION	,
Flow							103				APR <b>29</b> 2010	l .	
LI				<b>!</b>	<u> </u>	FLOW STR	EAM ATTRIE	BUTES					
Plate			Circle one:	Press			Flowing			CON	SERVATION DIV	SION	Flowing
Coeffiec	ient		Meter or	Extension	Grav Fact	, I 2	Temperature		iation	Metered Flow	WICHITA, CKS (Cubic Fee	et/	Fluid
(F <sub>b</sub> ) (F Mcfd		Pro	ver Pressure psia	✓ P <sub>m</sub> xh	F		Factor F <sub>ft</sub>		pv	(Mcfd)	Barrel)		Gravity G <sub>m</sub>
							- 11						
			1		(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P )2	= 0.20	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =_	<u> </u>	$P_d = $	9	% (P <sub>c</sub>	- 14.4) +	14.4 =	:	(P <sub>d</sub> ) <sup>2</sup>		<i>,</i>
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Phoose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ Pointing the property of the p	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpressure Slope = "r or Assigned Standard Sk		nxL	og [ ]	Antilog	Deliv Equals	en Flow erability R x Antilog Acfd)
Open Flov	N			Mcfd @ 14.	65 psia		Deliverabili	ty			Mcfd @ 14.65 psia	1	
				behalf of the					make the		rt and that he has		edge of
			Witness (if	any)				yo	vinje	For C	OMPANY OMPANY		
	****		For Commis	sion						Chec	ked by		

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
	t 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
	ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the Rueb Farm 11-15B
jas wei	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
1 6	ther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
staii as	necessary to corroborate this claim for exemption from testing.
Date: <u>4</u>	/26/2010
	Λ
	Signature: James Barnett
	Title: Regulatory Analyst

## 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.