RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: Open Flow			(See In	structions on Re	everse Side	•	No. 15			
Deliverabilt	у		, you bate.				023 - 21007-0	0-00		
Company Noble Energy Ir	nc			Lease Rueb f	arm			32-15	Well Number B	
County Cheyenne	•		Section To 15 3			RNG (E/W) 42W			Acres Attributed	
Field Cherry Creek			Reservoir Niobrara			Gas Gathering Connection Kinder Morgan		ection		
Completion Date 6/4/2008			Plug Back Total 1694'	Depth		Packer S	Set at			
Casing Size 7", 4-1/2"	4-1/2" 17#, 11.6#		Internal Diamete 9-7/8", 6-1/4		Set at 339', 1723'		Perforations 1520'		то 1556'	
ubing Size Weight -3/8" 4.7#			Internal Diameter Set a 1.995		at	Perforations		То		
ype Completion (Describe) Single (gas)			Type Fluid Production Saltwater			Pump Unit or Traveling Pl Yes		Plunger? Yes / No		
Producing Thru (Annulus / Tubing) Fubing)	% Carbon Dioxide			% Nitrogen		Gas G	Gas Gravity - G _g	
Vertical Depth(H)				Pressure Taps				(Meter	Run) (Prover) Size	
Pressure Buildup: Well on Line:	Shut in	20_	13 _{at} 3:00 13 _{at} 3:00	(AM) (PM			20	at	(AM) (PM)	
			OBSI	RVED SURFAC	E DATA	,		Duration of Shut	-in 24 Hours	
Dynamic Size	Orifice Size (inches) Prover Pressure psig (Pm) Pressure Inches H ₂ 0		i temperature i temperature i		Casing Billhead Pressure (a) or (Pt) or (Pc) sig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Liquid Produced (Barrels)	
Shut-In				60						
Flow			FI 04			<u> </u>				
5	Circle one:		FLOW	STREAM ATT	RIBUTES			<u> </u>		
Plate Coefficient (F _b) (F _p) Mcfd	Meter or Prover Pressure psia	Press Extension ✓ P _m xh	Gravity Factor F _g	Flowing Temperature Factor F ₁ ,	Fa	viation Metered Flow actor R F _{pv} (McId)		GOR (Cubic F Barrel	eet/ Fluid	
		(OPEN FLOW) (D	ELIVERABILIT	Y) CALCUL	ATIONS		(P) ² = 0.207	
P _c) ² =		:	P _d =	%	(P _c - 14.4) +	14.4 =	:) ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c) ² - (P _w) ²	Thoose formula 1 or 2: 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ ivided by: $P_c^2 - P_w^2$	LOG of formuta 1. or 2. and divide by: LOG of p 2 p 2 p 2 p 2 p 2 p 2 p 2 p 2 p 2 p	SI A	essure Curve ope = "n" or ssigned dard Slope	n x :	LOG [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow		, Maid @ 14.00	- nois	Dalbasas	.b.:tts			Maria @ 44.05 ::		
The undersigner facts stated the	ned authority, on		ompany, states t	•	uthorized t		ne above repoi	Mcfd @ 14.65 ps		
	Wilness (if	env)		_			Face	ompany	KCC WIC	
	***************************************	···· <i>y </i>					ruru	onspariy	DEC 3 1 2	

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
	der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	going pressure information and statements contained on this application form are true and
	t of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named.
• •	est a one-year exemption from open flow testing for the Rueb Farm 32-15B
	ounds that said well:
jas weli on the g	ounds trat salu 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
1.5 11	
_	e to supply to the best of my ability any and all supporting documents deemed by Commission
statt as necessai	y to corroborate this claim for exemption from testing.
	·
Date: 12/27/201	
Date: <u>12/27/201</u>	<u>. </u>
Date: <u>12/27/201</u>	<u>. </u>
Date: <u>12/27/201</u>	Signature: Chey Johnson
Date: <u>12/27/201</u>	

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