KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flov	w			(Test Date		tions on Rev	verse Side	•	No. 15		
Deliverabilty			i i					023-21130-0	00-00			
Company Noble Energy Inc			:	Lease Ham			Well Number 32-10					
County Location Cheyenne SW-NW-SW-NE			Section 10		TWP 2S			RNG (E/W) 39W		Acres Attributed		
Field Cherry Creek				Reservoir Niobrara			Gas Gathering Connection Southern Star					
Completion Date 11/17/2008			Plug Bac 1302'	Plug Back Total Depth 1302'			Packer S	Set at				
Casing Size Weight 7", 4 1/2" 17#, 9.5#			Internal (9 7/8",			Set at 155', 1330'		Perforations 1125'		 -		
Tubing Size Weight 2 3/8" 4.7#			Internal [Set a	Set at 1180'		Perforations				
Type Completion (Describe) Single (gas)				Type Flui	Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No yes				
Producing Thru (Annulus / Tubing)					% Carbon Dioxide			% Nitrogen Gas Gravity - G _g				
Tubing Vertical D	epth(H	1)			·	Pres	ssure Taps		~		(Meter	Run) (Prover) Size
	D. 22.1		Shut in _3/3	3 _	0 11 at 9	:45	(II) (T) (T)	-				(444)
Pressure Well on Li			Shut in Started 3/4				$\overline{\underline{}}$					(AM) (PM)
			•	<u> </u>		OBSERVI	ED SURFACE	E DATA			Duration of Shut	25.5 Hours
Static / Dynamic Property	namic Size		Circle one: Meter Prover Press			Well Head	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-in			psig (Pm)	Inches H ₂ 0		,	psig 105	psia	psig	psia		
Flow											· .	
						FLOW STI	REAM ATTRI	BUTES	J			
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x h	Gravity Factor F ₀		Temperature Fa		iation ctor _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	I Gravity I
					(OPEN EL	0W) (DEL I)	/ERABILITY)	CALCIII	ATIONS			
(P _c)² =		_ :	(P _w) ² =	=:	P _d =		-	- 14.4) +		· ·	(P _a)	1 ² = 0.207 1 ² =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. P _c ² - P _s ² LOG formul 2. P _c ² - P _s ² 1. or 2 and div divided by: P _c ² - P _w ² by:		P _c ² - P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Slope		l n x i	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
	_			-								
Open Flov				Mcfd @ 14.	 65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia
The u	ındersi	gnec	d authority, c	on behalf of the	Company, s	states that I	ne is duly au	thorized t	o make th	ne above repo	rt and that he ha	as knowledge of
he facts st	ated th	nerei	n, and that s	aid report is true	and correc	t. Executed	this the 11		day of N	lovember		RECEIVEL
			Witness	(if any)			<u>(</u>	C.K.	ryf	For C	Company	DEC 0 2 20
			For Com				_		<i>V</i>		ked by	

		ı k			
		y under the laws of			ed to request
exempt status un	der Rule K.A.R. 82-3	3-304 on behalf of the	operator Noble Er	nergy Inc	·
and that the fore	going pressure info	rmation and stateme	ents contained on t	his application form	are true and
correct to the bes	t of my knowledge a	and belief based upo	n available producti	on summaries and l	ease records
of equipment inst	allation and/or upon	type of completion o	r upon use being ma	ade of the gas well h	erein named.
I hereby requ	est a one-year exen	nption from open flov	v testing for the <u>H</u> a	m 32-10	
gas well on the g	rounds that said wel	II:			٠
(Check	k one)	;		. 1	
	is a coalbed metha	ane producer	•		
	*	ger lift due to water	7		
		ural gas for injection	into an oil reservoir	undergoing FR	
		e present time; KCC		0 0	
		oroducing at a daily i			
· ·	io not supusie of p		ate iii exeess of 25	O Mici/D	
I further agre	e to supply to the be	est of my ability any	and all supporting o	documents deemed	hy Commission
_		s claim for exemption	-		by commission
, , , , , , , , , , , , , , , , , , ,	, 10 00110001410 1111	·	Thom tooling.		
		•			
Date: 11/11/201	<u> </u>				
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		6	_	. 0	
		. (1. 0	
	÷	Signature:	Leyl f	0 Zuson	
		Title: Re	gulatory Analyst li		
	v				

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.

DEC 02 2011

KCC WICHITA