KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instruct	ions on Re	verse Side	;)				
	en Flor diverab				Test Date	9 :				No. 15 023-21077-6	00-00		
Company Noble E		Inc		··			Lease Jones				13-13	Well Nu	mber
County Cheyenne			Locat NE-SV	ion /-NW - SW	Section 13		TWP 2S		RNG (E/W) 39W		Acres Attributed		
Field Cherry Creek					Reservoi Niobrara				Gas Gathering Co Southern Star		ection		
Completion Date 11/10/2008					Plug Bac 1387'	k Total Dept	th		Packer Set at		<u></u>		
Casing Size 7", 4-1/2"			Weigi 17#,	nt 10.5#	Internal Diameter 9-7/8", 6-1/4"		Set at 207', 1430'		Perforations 1225'		то 1264'		
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995		Set at 1300'		Perforations		То		
Type Completion (E Single (gas)						d Production				nit or Traveling	or Traveling Plunger? Yes / No		
		(Ann	ulus / Tubin	g)		Carbon Dioxi	de		% Nitrog	jen	Gas G	ravity - (3,
Vertical D	Depth(H	l)				Pres	sure Taps				(Meter	Run) (P	rover) Size
Pressure	Buildu	D: S	Shut in 3/2	0 .	13 _{at} 1	1:30	(AM) (PM)	Taken		20	at		(AM) (PM)
Well on Line:			Started 3/2		13 at 1	14:00			20 at (AN			. ,	
						OBSERVE	D SURFAC	E DATA	_		Duration of Shut	-in <u>24</u>	Hours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Press	,	Temperature Temper		I Wellhead Pressure		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c)				id Produced Barrels)
Shut-In			psig (Pm)	Inches H ₂ 0			psig 92	psia	psig	psia			
Flow													
				т		FLOW STR	REAM ATT	RIBUTES					
Ptate Coefficient (F _b) (F _p) Mcfd			Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Grav Fac F	tor	Flowing Temperature Factor F ₁₁		viation actor F _{pv}	Metered Flo R (Mcfd)	(Cubic Fe	GOR (Cubic Feet/ Barrel)	
L		•		<u> </u>		OW) (DELIV				<u> </u>) ² = 0.2	·07
$\frac{(P_c)^2 = {(P_c)^2 - (P_a)^2}}{(P_c)^2 - (P_d)^2}$		_: (P _w)² (P _c)²-(P _w)²		Choose formula 1 or 1. P _c ² - P _c ² 2. P _c ² - P _c ² divided by: P _c ² - P	LOG of formula		Backp S		l n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo	ow.			Mcfd @ 14	.65 psia		Delivera	bility			Mcfd @ 14.65 ps	ia	
		igned	authority, c			states that h	•		to make t	he above repo	ort and that he h		ledge of
the facts s	stated t	hereir	n, and that s	aid report is tru	e and correc	t. Executed	I this the $\frac{2}{}$	26	day of _	December	· · · · · · · · · · · · · · · · · · ·		20
			Witness	(if any)						For	Company	KCC	WICH
			For Com								cked by	DEC	3 1 2013
												RE	CEIVED

exempt status under and that the foregoi correct to the best of of equipment installa	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc ng pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records tion and/or upon type of completion or upon use being made of the gas well herein named. a one-year exemption from open flow testing for the Jones 13-13
gas well on the grou	nds that said well:
(Check or	ne)
is	s a coalbed methane producer
is	s cycled on plunger lift due to water
is	s a source of natural gas for injection into an oil reservoir undergoing ER
	s on vacuum at the present time; KCC approval Docket No
√ is	s not capable of producing at a daily rate in excess of 250 mcf/D
•	o supply to the best of my ability any and all supporting documents deemed by Commission ocorroborate this claim for exemption from testing.
Date: 12/26/13	
	Signature: Clay Johnson
	Title: Completions Supervisor

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 3 1 2013