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

, **4.** 

Type Tes	t: oen Flo	w			ı	(See Instruc	tions on Rev	erse Side	9)					
`	liverab				Test Dat	e:				l No. 15 -023-20695-0	0-00			
Compani Noble E		Inc					Lease Jones			020 20000 0		Well Numi	)8r	
County Cheyenne			Location SE-SE-NE-SW		Section 13		TWP 2S		RNG (E/W) 39W		Acres Attributed			
Field Cherry Creek					Reservoir Niobrara			Gas Gathering Co Southern Star		•	ection	·		
Completi 9/18/200		e			Plug Bac 1412'	k Total Dept	th		Packer S	Set at				
Casing Size 7", 4-1/2"			Weight 17#, 10.5#		Internal Diameter 9-7/8", 6-1/8"		Set at 262', 1454'		Perforations 1239'		To 1274'			
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995		Set at 1300'		Perforations		То			
Type Completion (I Single (gas)		,			Type Fluid Production Saltwater		η		Pump U	nit or Traveling	Plunger? Yes / No		·	
Producing Tubing	g Thru	(Anr	nulus / Tubing	)	% (	Carbon Dioxi	de	· ·	% Nitrog	jen	Gas Gr	avity • G <sub>g</sub>		
Vertical C	Depth(H	f)				Pres	sure Taps				(Meter	Run) (Prov	er) Size	
Pressure	Buildu		Shut in3/1	2	0 11 at 1		(AM) (PM)	Taken		20	at	(AN	 //) (РМ)	
Well on L	.ine:		Started 3/16	2	0 11 at 2	:00	(AM) PM	Taken	<u></u>	20	at	(AN	1) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24.5	Hou	
Static / Dynamic Property	Orifi Size (Inche	8	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead F (P <sub>±</sub> ) or (P,	Pressure	Wellhe	Tubing pad Pressure r (P <sub>t</sub> ) or (P <sub>e</sub> )	Duration (Hours)		iquid Produced (Barrels)	
Shut-In							130			, i				
Flow						EI OW STD	EAM ATTRI					<u> </u>		
Plate	,		Circle one:	Press	Grav		Flowing	1	]				Flowing	
Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd			Meter or ver Pressure psia	Extension P_x h	Extension Factor		or Temperature		iation etor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	!	Fluid Gravity G	
P <sub>c</sub> )² =		_:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FL	OW) (DELIV	•	CALCUL + (14.4 -		;	(P <sub>a</sub> ) (P <sub>d</sub> )	² = 0.207		
	$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>w</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	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> ivided by: P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P.2. P.2	Backpressu Slope		n x LOG		Antilog	Open Flow Detiverability Equals R x Antilog (Mcfd)		
				<u></u>										
					<u> </u>								<del></del> _	
Open Flor	_			Mcfd @ 14.	·		Deliverabi				Acfd @ 14.65 psi			
				behalf of the						ovember	t and that he ha	s knowled , 20	-	
			Witness (if	any)			_	CK	esy	I for	Mpany mpany	REC	EIVF	
			For Commi	ssion	<u>-</u>			· · · · · <u>-</u> ·	<i>V</i>	Check	ed hy		<u> </u>	
										01/80/		レニし	1.5	

KCC WICHITA

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	he foregoing pressure information and statements contained on this application form are true and
orrect to	the best of my knowledge and belief based upon available production summaries and lease records
f equipm	ent installation and/or upon type of completion or upon use being made of the gas well herein named.
l here	by request a one-year exemption from open flow testing for the Jones 23-13
as well c	on the grounds that said well:
	(Cheek and)
	(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
I furth	er agree to supply to the best of my ability any and all supporting documents deemed by Commission
taff as n	ecessary to corroborate this claim for exemption from testing.
ate: _11/	18/2011
	Signature: Cley Johnson
	digitature

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.

RECEIVED

DEC 1 3 2011

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