**RECEIVED** 

## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

	: ` en Flow liverabi				(e		tions on Re	everse Side	, API	No. 15 023-21065-0	nn-nn			
Company Noble Er		nc					Lease Keller F	arms		020 21000 (		Well Nu	mber	
County Cheyenne			Locatio SW-NW-		Section 17		TWP 2S		RNG (E/W) 38W		Acres Attributed		Attributed	
Field Cherry Creek					Reservoir Niobrara				Gas Gathering Conne Southern Star		ection	,		
Completion Date 12/1/2008					Plug Bac 1445'	k Total Dep	oth	า		Set at				
Casing Size 7", 4-1/2"			Weight 17#, 10	0.5#	Internal Diameter 9-7/8", 6-1/4"		Set at 248', 1489'		Perforations 1294'		то 1320'			
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995		Set at 1384'		Perforations		То			
Type Completion (D Single (gas)			scribe)		Type Flui	d Productio	n			nit or Traveling	Plunger? Yes	Plunger? Yes / No		
Producing	g Thru	(Ann	ulus / Tubing)		% C	arbon Diox	ide		% Nitrog	jen	Gas G	ravity - (	à <sub>s</sub>	
Vertical D	epth(H	)				Pres	ssure Taps			<u> </u>	(Meter	Run) (P	rover) Size	
Pressure	Buildur		31/6 Shut in	21	13 at 1		. (AM) (PM)	Taken		20	at	(	(AM) (PM)	
Well on L	.ine:	9	Started 11/7	20	13 at 1	0:00	. (AM) (PM)	Taken		20	at	(	(AM) (PM)	
						OBSERVI	ED SURFAC	E DATA			Duration of Shut	-in 24	Hours	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well He Temperature Tempera t t		I Wellhead Pressure		Tubing  Wellhead Pressure  (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )  psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In							97	poid	polg	pola				
Flow								<u> </u>				<u> </u>	]	
				· · · · · · · · · · · · · · · · · · ·	<del></del>	FLOW STI	REAM ATTE	RIBUTES					· .	
Coeffied (F <sub>b</sub> ) (F	Plate Coefficeient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure psia		Gravity Factor F <sub>g</sub>		Temperature Fa		viation Metered Flov actor R F <sub>pv</sub> (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
					(OPEN EL	OW) (DELI)	VERABILITY	O CALCUI	ATIONS					
(P <sub>c</sub> ) <sup>2</sup> =		:	(P) <sup>2</sup> =	<b>:</b>	P <sub>d</sub> =			P <sub>c</sub> - 14.4) -		:		) <sup>2</sup> = 0.2 ) <sup>2</sup> =	.07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		hoose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ wided by: $P_c^2 - P_w^2$	LOG of formuta 1. or 2. and divide		Backpri Sk	Backpressure Curve Slope = "n" 		roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
							ļ					<u> </u>		
Open Flo	en Flow Mcfd @ 14.65 psia				Deliverability				Mcfd @ 14.65 ps	 ) 14.65 psia				
The	undersi	gned	authority, on			states that	he is duly a	uthorized	to make ti	-	ort and that he ha		ledge of	
the facts s	tated th	nerei	n, and that sai	d report is true	and correc	t. Execute	d this the $\frac{2}{}$	27	day of _C	ecember			20 13	
			Witness (if	any)						For	Company		WICH	
			For Commis	sion				<del></del>		Che	cked by	-DEC	3 1 2013	

	leclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request									
xemp	ot status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc									
and that the foregoing pressure information and statements contained on this application form are true and										
orrec	t to the best of my knowledge and belief based upon available production summaries and lease records									
•	ipment installation and/or upon type of completion or upon use being made of the gas well herein named. ereby request a one-year exemption from open flow testing for the Keller Farms 13-17									
	ell 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									
٠	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									
l fi	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissio									
taff a	s necessary to corroborate this claim for exemption from testing.									
•										
ate:_	12/27/13									
	,									
	Signature: Chiul Johnson									
	Signature: Chirp Bhuson									
	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.

KCC WICHITA