KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			-		(See Ins	structi	ions on Re	verse Side	9)						
	en Flo liverab					Test Date	a:					No. 15 023-21195- (00-00				
Company Noble Er		Inc		•					Lease Keller F	arms				34-18	Well Nu	mber	
County Location Cheyenne SE-NW-SW-SE			Section 18			TWP 2S		RNG (E/W) 38W				Acres A	Attributed				
Field Cherry C	Creek		<u></u>	-		Reservoir		•	_		Gas Gat Southe	hering Conni rn Star	ection	*		1	
Completic 1/8/2009		6				Plug Bac 1446'	k Total	Depti	h		Packer S	iet at		****			
Casing Size 7", 4-1/2"			Weight 17#, 10.5#			Internal Diameter 9-7/8", 6-1/4"			Set at 255',1486'		Perfo 120	rations O'		To 1240'			
ubing Size 2-3/8"			Weight 4.7#			Internal Diameter 1.995			Set at 1277'		Perfo	rations		То			
ype Con Single (•	n (De	escribe)			Type Flui Saltwa		uction	1		Pump Ur Yes	nit or Traveling	Plunger	? Yes	/ No		
Producing Tubing	Thru	(Anı	nulus / Tubin	g)	•	% C	arbon (Dioxid	de		% Nitrog	en		Gas Gr	avity - (3,	
Vertical D	epth(F	i)						Press	sure Taps					(Meter I	Run) (P	rover) Size	
Pressure	Buildu	p: :	Shut in 6/3	0	2	0_11_at_1	0:15		(AM) (PM)	Taken		20	at _			(AM) (PM)	
Well on L	ine:	;	Started 7/5		20	0 11 at 1	1:15		(PM)	Taken		20	at _		((AM) (PM)	
							OBSE	RVE	D SURFAC	E DATA	-		Duration	of Shut-	_{in_} 12	1 Hours	
Static / Dynamic i Property	Orifi Siz (inch	8	Circle one: Meter Prover Press psig (Pm)	ure	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well H Tempera t		(P _w) ∝ (F	Pressure	Wellhe (P _w) o	ubing ad Pressure (P ₁) or (P _c)	Dura (Ho			d Produced Barrels)	
Shut-In			paig (r m)		1101100 1120			. <u>.</u>	220	psia	psig	psia					
Flow				ļ													
				T		<u> </u>	FLOW	STR	EAM ATTR	IBUTES			1				
Plate Coeffieci (F _b) (F Mcfd	ient ,)	Pro	Meter or Ext		Press Extension	Grav Faci F	tor	Т.	Flowing emperature Factor F _{it}	Fa	Deviation Metered Fig. Factor R (Mcfd)		v GOR (Cubic Fer Barrel)		et/	Flowing Fluid Gravity G _m	
o _c)² =		:	(P _w)² =		:	(OPEN FL	OW) (DI	ELIVI %		') CALCUL 14.4) +		:		(P _a) ²	² = 0.2 ² =	07	
(P _e) ² - (F or (P _e) ² - (F	- 1	(P	P _c) ² - (P _w) ²	Cho	ose formula 1 or 2: 1. P _c ² - P _c ² 2. P _c ² - P _c ² led by: P _c ² - P _c ²	LOG of formula 1. or 2. and divide	P. 2 - P.	7	Backpre Slo 	ssure Curve pe = "n" - or signed tard Slope	n x l	.oc []	Anti		Op Del Equals	pen Flow iverability is R x Antilog (Mcfd)	
											_						
Open Flov	<u> </u>				Mcfd @ 14.	65 psia			Deliverat	oility			Mcfd @ 1	4.65 psi] a		
· · · · · · · · · · · · · · · · · · ·		ianer	d authority of			•	tates th	nat ha		-	o make th	e above repo		-		ledge of	
		_	n, and that s								day of N	•		ر العالم الع		20 11	
			Witness (if emy	0			_	-	Ch	ey	For C	company	sen		RECEIV	
			For Comr	nissio	on			_	-		<u> </u>	Chec	ked by		r	JEC 13	
													•		L	/ LU 13	

KCC WICHITA

exemp	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to reque t status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc at the foregoing pressure information and statements contained on this application form are true ar
correc of equi	to the best of my knowledge and belief based upon available production summaries and lease record pment installation and/or upon type of completion or upon use being made of the gas well herein name ereby request a one-year exemption from open flow testing for the Keller Farms 34-18
	Il 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 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 inther agree to supply to the best of my ability any and all supporting documents deemed by Commissionecessary to corroborate this claim for exemption from testing.
Date: _	11/18/2011
	Signature: Cheryl Johnson Title: Regulatory Analyst II

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.

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