KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Instruct	tions on Re	verse Sid	e)				
= '	en Flo liverab					Test Date	:				No. 15 023-21061-	00-00		
Company Noble Er		Inc						Lease Keller F	arms			33-18	Well Nu	mber
County Location Cheyenne SE-NE-NW-SE				Section 18		TWP 2S			(W)	Acres Attributed		Attributed		
					Reservoir Niobrara				thering Conn ern Star	ection				
Completic 11/21/20		е				Plug Bac 1351'	k Total Dep	th		Packer	Set at			
Casing Size Weight 7", 4-1/2" 17#, 9.5#				Internal D 9-7/8",			Set at 153',1396'		orations 0'	то 1238'				
	Tubing Size Weight				Internal D		Set a	Set at 1260'		orations	То			
Type Completion (Describe) Single (gas)				Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? (2) No							
Producing		(Anı	nulus / Tubin	g)			arbon Dioxi	ide		% Nitro			avity - (3,
Tubing Vertical Depth(H)				Pressure Taps						(Meter	Run) (P	rover) Size		
Pressure	Buildu	rp:	Shut in12/	/2	2(13 at 1	0:45	(AM) (PM)	Taken		20	at		(AM) (PM)
Well on L	.ine:		Started 12/	3	20	13 at 1	0:45	(PM)	Taken		20	at		(AM) (PM)
							OBSERVE	D SURFAC	E DATA			Duration of Shut	in <u>24</u>	Hours
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressure		Pressure Differential in	Flowing Temperature t	Well Head Temperature t Casin Wellhead P (P _w) or (P _t)		Pressure	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration Liqu (Hours)		d Produced Barrels)
Shut-In			psig (Pm)		Inches H ₂ 0		<u> </u>	psig 62		psig	psia]		
Flow				_				02		1	· · · · · · · · · · · · · · · · · · ·		_	
<u> </u>	L						FLOW STE	REAM ATTR	RIBUTES		I		1	
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or Prover Pressure psia		Press Grav Extension Fact ✓ P _m x h F _a		tor Temperature		F	Deviation Metered Factor R F _{pv} (Mcfc		ow GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
				.L		(OPEN FL	OW) (DELIV	/ERABILITY	() CALCU	LATIONS		(P) ² = 0.2	207
(P _c) ² =		_:	(P _w) ² =	=	se formula 1 or 2:	P _d =		% (P _c - 14.4)	+ 14.4 = _	:) ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	(P _c) ² - (P _w) ²		1. P _c ² ·P _d ² LOG of formula 1. or 2. 1. or 2. 1. or 2. 1. or 4. 1. or 5. 1. or 4. 1. or 5. 1. or 5. 1. or 6. 1. or 7. 1. or 6. 1. or 7. 1. or		Slope		essure Curv ppe = "n" or ssigned dard Slope	l n x	roe	Antilog	Del Equals	pen Flow iverability s R x Antilog (Mcfd)
					,									
Open Flo	w				Mcfd @ 14.	65 psia		Deliveral	bility			Mcfd @ 14.65 ps	ia	
The	unders	igne	d authority, o	on be	ehalf of the	Company,	states that h	ne is duly a	uthorized	to make t	he above rep	ort and that he h	as know	ledge of
the facts s	stated t	here	in, and that s	said i	report is true	and correc	t. Executed	I this the $\frac{2}{}$	27	day of _	December		,	20 13
												K	CC	<u>WICHI</u> T
			Witness	(if any	n)			·			For	Company		3 1 2013
			For Com	misslo	on .			•			Che	ecked by		CEIVED

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I declare und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	ier Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	poing pressure information and statements contained on this application form are true and
correct to the best	of my knowledge and belief based upon available production summaries and lease records
	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for the Keller Farms 33-18
gas well on the gr	ounds that said well:
(2)	
(Check	
님	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
님	is a source of natural gas for injection into an off reservoir undergoing En
	•
<u> </u>	is not capable of producing at a daily rate in excess of 250 mcf/D
I further agree	e to supply to the best of my ability any and all supporting documents deemed by Commission
-	y to corroborate this claim for exemption from testing.
n . 10/07/12	
Date: 12/27/13	
	Signature: huy Johnson
	Title: Completions Supervisor
	Title: Combienous adhervisor

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 compassion of the year for which it's intended to acquire exempt status for the subject well. The compassion of the year for which it's intended to acquire exempt status for the subject well. The compassion of the year for which it's intended to acquire exempt status for the subject well.

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