KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruc	tions on Rev	erse Side)				
= '	en Flo eliverab				Test Date	э :				I No. 15 -023-21071-0	0-00		
Company Noble Energy Inc						Lease Keller Farms						Well Number 11-17	
County Cheyens	ne		Locat SW-SE	on -NW-NW	Section 17		TWP 2S		RNG (E	/W)		Acres Attributed	
Field Cherry (Creek				Reservoi Niobrara					thering Conne ern Star	ection		
Completion 12/2/200		e			Plug Bac 1440'	k Total Dept	th		Packer	Set at			
Casing S 7", 4-1/2			Weigh 17#,		Internal (9-7/8",		Set at 263',	1483'	Perfo 130	orations 10'	To 1338'		
Tubing S 2-3/8"	ize		Weigh 4.7#	it	Internal I 1.995	Diameter	Set at 1294		Perfo	orations	То		
Type Cor Single (n (D	escribe)		Type Flui Saltwa	d Production I ter	n		Pump U yes	nit or Traveling	Plunger? Yes	/ No	
Producing Tubing	g Thru	(An	nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitro	gen	Gas Gr	avity - G _g	
Vertical D	Pepth(H	1)				Pres	sure Taps		_		(Meter F	Run) (Prover) Size	
Pressure	Buildu	•	Shut in 3/2		0_11 at_9		(PM)	Taken		20	at	(AM) (PM)	
Well on L	.ine:		Started 3/2	52	0 <u>11</u> at <u>1</u>	0:00	(PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24.5 Hours	
Static / Dynamic Property	Orifi Siz (inch	0	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casir Wellhead P (P _w) or (P ₁	ressure	Wellhe	Tubing ead Pressure or (P,) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In							180						
Flow							<u></u>						
				1		FLOW STR	EAM ATTRI	UTES				 _	
Plate Coeffiec (F _b) (F Mcfd	ient ")	Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fact	tor 1	Flowing femperature Factor F _{ri}	Fa	iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m	
(P _c) ² =		_:	(P _w) ² =	:	(OPEN FLO	-	ERABILITY) % (P_	CALCUL - 14.4) +		:	(P _a) ² (P _a)	e = 0.207 e =	
(P _o) ² - (I	- 1	(F	P _c) ² - (P _w) ²	Choose formula 1 or 2. 1. $P_0^2 \cdot P_0^2$ 2. $P_0^2 - P_0^2$ divided by: $P_0^2 - P_0^2$	LOG of formula 1, or 2, and divide	P _c ² . P _* ²	Backpress Slope Assi	ure Curve		roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
									<u> </u>		<u> </u>		
Open Flor	w			Mcfd @ 14.	65 psia		Deliverabil	ity			Acfd @ 14.65 psi	1	
											t and that he ha	-	
the facts s	tated th	nerei	n, and that sa	aid report is true	and correc	t. Executed	this the 18		day of	lovember		20 <u>11</u> .	
			Witness (i	f any)		· · ·	_		ey.	ForC	отрану	RECEIVED	
. <u>. </u>			For Corret	ission			_		<u></u>	Chec	sed by	EC 13 2011	

KCC WICHITA

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	tatus under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	the foregoing pressure information and statements contained on this application form are true and
	the best of my knowledge and belief based upon available production summaries and lease records
	nent installation and/or upon type of completion or upon use being made of the gas well herein named.
	eby request a one-year exemption from open flow testing for the Keller Farms 11-17
gas well	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
	her agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date: _11	/18/2011
	Signature: Clery 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.

DEC 13 2011