KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				6	See Inst	tructio	ons on Reve	erse Side)						
Open Flow Deliverabilty					Test Date	Test Date:					API No. 15 15-023-21310-00-00					
Company Noble Energy Inc.					Lease R. Zweygardt							Well Number 34-32				
County Cheyer			Location		Section 32				TWP 5S		RNG (E/W) 39W		Acres Attributed			
Field Prairie S						Reservoir Niobrara			Gas Gathering Kinder Morga		athering Conne	ction		F	RECEIVED DEC 2 0 2012 KCC WICHITA	
Completion Date 6/6/2011					Plug Bac 1491'	Plug Back Total Depth 1491'				Packer Set at				DE	C 2 0 20	
Casing Size 7", 4-1/2"			Weight 17#, 1		Internal Diameter 9-7/8", 6-1/4"			Set at 400', 1534'		Perforations 1326'		o 358'	KCC	WICHIT		
Tubing Size 2-3/8"			Weight 4.7#	Internal [Internal Diameter 1.995			Set at 1384'		forations	Т	ō				
Type Con Single (•	(De		Type Flui	Type Fluid Production saltwater					Pump Unit or Traveling Plunge Yes			er? Yes / No			
Producing		Ann	ulus / Tubing)		% Carbon Dioxide					% Nitrogen			Gas Gravity - G _g		
tubing Vertical D	epth(H)					Pressu			ure Taps					(Meter Run) (Prover) Size		
			404		40 4	4.45										
Pressure Buildup:			Shut in		40.00					20						
Well on L	ine:	5	Started 10/1	2	0 <u>12</u> at <u>1</u>	0.00		(AM) (PM)	Taken		20 .					
					,	OBSEI	RVE	SURFACE	DATA			Duration o	f Shut-	in_34.2	25 Hours	
Static / Dynamic Property	nic Size		Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature 1	Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)		Liquid	Liquid Produced (Barrels)	
Shut-In	nut-In		1-13 (-17)					68	psia	psig	psia					
Flow																
						FLOW	STR	EAM ATTRI	BUTES					ı		
Plate Coeffied (F _b) (F Mofd	ient ,)	Circle ane: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Gravity Factor F _g		Te	Tomporatura		viation Metered Flow factor R F _{pv} (Mcfd)		GOR (Cubic Feet/ Barrel)			Flowing Fluid Gravity G _m	
									<u></u>							
(P _c) ² =		·	(P _w) ² =_	:		OW) (DE		ERABILITY) 6 (P.			. ;		(P _a) (P _d)	² = 0.20)7	
(P _c) ² - ((P _o) ² - (P _w) ²		Choose formula 1 or a 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_g$	LOG of formula 1. or 2.	LOG of formula 1. or 2. and divide p2_p2		Backpressure Curv Slope = "n" or Assigned Standard Slope		e n x l OG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
														<u> </u>		
Open Flo				Mcfd @ 14				Deliverabi				vicid @ 14				
				i behalf of the							the above repor	t and that	ne na		edge of	
			Witness (if	any)			_	_			For C	ompany				
			For Commi	ssion				_			Chec	ked by			<u></u>	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt 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 correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the R. Zweygardt 34-32
gas well on the grounds that said well:
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 further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: 12/17/2012
Signature:

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.