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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:					(See Instruc	ctions on Re	verse Side	e)				
	en Flo eliverab				Test Date	e:				No. 15 023-21053-0	00-00		
Company Noble E		Inc					Lease Zweyga	rdt			14-6	Well Number	
County Cheyenne			Locat E2-SW	ion /-SW-SW	Section 6			TWP 4S		/W)	Acres Attributed		
Field Cherry Creek						Reservoir Niobrara		Gas Gathering (Southern Star/					
7/30/200		е			Plug Bac 1614'	k Total Dep	oth		Packer S	Set at			
Casing Size 7", 4-1/2"			Weigh 17#, 1		Internal Diameter 9-7/8", 6-1/4"		Set at 230', 1657'		Perforations 1442'		то 1460'		
Tubing Size 2-3/8"			Weigh 4.7 #	nt	Internal Diameter 1.995		Set at 1413'		Perforations		То		
Type Con Single ((gas)				Type Flui Saltwa	id Production Inter	on		Pump Ui Yes	nit or Traveling	Plunger? Yes	/ No	
Producing Tubing	g Thru	(An	nulus / Tubin	g)	% (Carbon Diox	ride		% Nitrog	jen	Gas Gra	avity - G _g	
Vertical D	Pepth(F	1)				Pres	ssure Taps		· · · · · · · · · · · · · · · · · · ·		(Meter F	Run) (Prover) Size	
Pressure	Buildu		Shut in 3/1				. (AM) (PM)	Taken		20	at	(AM) (PM)	
Well on L	ine:		Started 3/1	72	0 11 at 2	:15	. (AM) (PM)	Taken	-	20	at	(AM) (PM)	
						OBSERVE	ED SURFACE	DATA			Duration of Shut-i	n 25.5 Hours	
Static / Dynamic Property	Orifi Siz (inch	е	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead (P _w) or (P	Pressure	Wellhe	rubing ad Pressure (Pt) or (Pc) psia	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In				-			160	paia	. parg	рыа			
Flow											· · · · · · · · · · · · · · · · · · ·	·	
	•		-	· · · · · · · · · · · · · · · · · · ·		FLOW ST	REAM ATTRI	BUTES	I				
Plate Coeffieci (F _b) (F Mcfd	ient ,,)		Circle one: Meter or ever Pressure psia	Press Extension P _m x h	Grav Fac F	tor	Flowing Temperature Factor F _{ft}	Fa	iation ctor : pv	Metered Flov R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G	
					(ODEN EL	OW/ (DEL IV	/ERABILITY)	CALCUI	ATIONS				
(P _c) ² =			(P _w)² =		-	,• •	•					= 0.207	
(' c'	1	<u>-</u>		Choose formula 1 or 2	P _d =		<u> </u>	_c - 14.4) +	14.4 =	·	(P _d) ²		
(P _c) ² - (F or (P _c) ² - (F		(P	(P _w) ² - (P _w) ²	1. P _c ² ·P _e ² 2. P _c ² ·P _d ² divided by: P _c ² ·P _w ²	LOG of formula 1. or 2. and divide by:	P ₂ -P ₂	Slop Ass	sure Curve e = "n" or igned ard Slope	nxi	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow				Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 psia		
The ·	ındarei	anec	Lauthority of	hehalf of the	Company	states that h			المضاموس		rt and that he has		
				id report is true						e above repor	rt and that he has	, 20 <u>11</u> .	
			Witness (if	any)					ey	For C	ompany	RECEIVED	
			For Comm	ssion			_		V	Chec	ked by	FC 2 8 2011	

KCC WICHITA

exempt status under Ru and that the foregoing p correct to the best of my of equipment installation I hereby request a o	palty of perjury under the laws of the state of Kansas that I am authorized to request the K.A.R. 82-3-304 on behalf of the operator Noble Energy Incoressure information and statements contained on this application form are true and knowledge and belief based upon available production summaries and lease records and/or upon type of completion or upon use being made of the gas well herein named. The test said walls
gas well on the grounds	triat said well.
is cy is a s is on ✓ is no	coalbed methane producer cled on plunger lift due to water cource of natural gas for injection into an oil reservoir undergoing ER vacuum at the present time; KCC approval Docket No t capable of producing at a daily rate in excess of 250 mcf/D pply to the best of my ability any and all supporting documents deemed by Commission
	rroborate this claim for exemption from testing.
Date: _12/8/2011	
	Signature: Ley Johnson Title: Regulatory Analyst If

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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