KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flow					(See Ins	structi	ions on Rev	erse Side	e)							
	liverabil					Test Date	: :					l No. -023	. 15 3-20816-0	0-00				
Company Noble Energy Inc				Lease Zweygardt					10.020-20010-00			Well Nu 41-1		mber				
County Location Cheyenne NENE				·-·	Section 1			TWP 4S		RNG (E/W) 42W			Acre		Acres A	ttributed		
Field Cherry Creek				Reservoir					Gas Gathering Conne Southern Star/ Kind				an					
Completion Date				Plug Bac 1596'		Dept	h	Packer Set at										
3/14/2008 Casing Size Weight 17# 44.6#				0.4	Internal (Set a	Perforations 1442'			To 1477'						
7", 4-1/2 Tubing Si			17#, 11.6# Weight			9-7/8", 6-1/4"			251', 1638' Set at		Perforations				To			
2-3/8" 4.7# Type Completion (Describe)				1.995 Type Flui		uction	1508	Pump Unit or Travelin			r Traveling	ng Plunger? Yes / No						
Single (gas) Producing Thru (Annulus / Tubing)					Saltwa % 0	iter Carbon	Dioxi	de	Yes % Nitrogen			Gas Gravity - G _g						
Tubing Vertical Depth(H)							Pressure Taps							(Meter Run) (Prover) Size			over) Size	
Pressure Buildup:						13 at 2:30					20			at		((AM) (PM)	
Well on Line:			Started 6/18 20		13 at 2:45			_ (AM((PM))Taken		20		at		(AM) (PM)				
							OBSE	RVE	D SURFACI	E DATA	_			Duration o	of Shut	-in_24.	15 Hours	
Static / Orifice Dynamic Size Property (inches)		,	Meter Prover Pressure		Pressure Differential in	Flowing Temperature	Well Head Temperature t		Casing Wellhead Pressure (P_w) or (P_1) or (P_c)		Tubing Wellhead Pressure (P_w) or (P_l) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)			
Shut-In	psig (Pm)		Inches H ₂ 0		<u> </u>		psig 192			psig psia				+				
Flow									192			+				<u> </u>		
	I		<u> </u>				FLOW	STR	EAM ATTR	IBUTES	_l	L	L					
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Fac	Gravity Factor F _g		Flowing Temperature Factor F ₍₁		Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
(D.).2			/D 12			•			ERABILITY	•) ² = 0.2	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² · (P _w) ²		Cho	ose formula 1 or 2. 1. P _c ² - P _s ² 2. P _c ² - P _d ² led by: P _c ² - P _s ²	LOG of formula 1. or 2. and divide by:		Backpressi Slope o Assig		ssure Curv pe = "n" or	e n x	n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flo	»w		l		Mcfd @ 14.	65 psia			Deliverab	pility				Vicfd @ 1	4.65 p	sia		
The	undersi	gne	d authority, o	on b	ehalf of the	Company,	states t	hat h	e is duly au	uthorized	to make	the a	above repo	t and tha	t he h	as know	ledge of	
he facts s	stated th	nerei	in, and that s	aid	report is true	and correc	at. Exe	cuted	this the $\underline{5}$	· · · ·	day of _	July						
									_							KÇ	C WICH	
			Witness For Com	`					_					ompany ked by		-JU	C WICH L 1 1 2013	
			, _,											•			RECEIVED	
																• '	ーヘニュヘア「	

	lare 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.
l here	by request a one-year exemption from open flow testing for the Zweygardt #41-1
gas well o	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
l furti	ner agree to supply to the best of my ability any and all supporting documents deemed by Commission
	ecessary to corroborate this claim for exemption from testing.
Stan as n	ecossary to correspond to the champion from testing.
Date: _7/5	5/2013
Date:	72010
	,
	Signature: <u>Williebb</u>
	Title: Regulatory Analyst

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. **Keyward Files** signed and dated on the front side as though it was a verified report of annual test results.

JUL 1 1 2013

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