KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruc	tions on Rev	erse Side	;)				
= '	en Flo eliveral				Test Date) :				No. 15 023-21083-0	0-00		
Company Noble E		Inc					Lease Zweyga	rdt			13-33E	Well Nu	mber
County Cheyenne			Local SW-SI	tion E -NW-SW	Section 33		TWP 3S		RNG (E/W) 41W		Acres Attributed		
Field Cherry Creek					Reservoir Niobrara					Gas Gathering Connection Southern Star/Kinder M			
Completion 9/2/2008		te ·			Plug Bac 1556'	k Total Dept	th		Packer S	Set at			`
Casing Size 7", 4-1/2"			Weig 17#,	ht 11.6#	Internal Diameter 9-7/8", 6-1/4"		Set at 241', 1598'		Perforations 1372'		то 1410'		
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995		Set at 1445'		Perforations		То		
Type Cor Single (escribe)		Type Flui Saltwa	d Production	n		Pump Ur Yes	nit or Traveling	Plunger? Yes	/ No	
Producing	g Thru	(An	nulus / Tubir	g)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gra	avity - C) _g
Vertical E	Pepth(I	⊣)			· · · · · · · · · · · · · · · · · · ·	Pres	sure Taps				(Meter F	Run) (Pi	rover) Size
Pressure	Buildu		Shut in <u>-8/2</u>		0_11 at_9		(PM)	Taken		20	at	(AM) (PM)
Well on L	.ine:		Started 8/3	20	0 <u>11</u> at <u>9</u>	:00	(PM)	Taken	•	20	at	(AM) (PM)
			Clade and			OBSERVE	D SURFACE		1	· · · · · ·	Duration of Shut-	24	Hours
Static / Dynamic Property	Orif Siz (inch	:e	Circle one: Meter Prover Press psig (Pm)		Flowing Temperature t	Well Head Temperature t	Casi Wellhead I (P _w) or (P _t	Pressure	Wellhe	Tubing ad Pressure (P _t) or (P _c) psia	Duration (Hours)		d Produced Barrels)
Shut-In							65						
Flow						EL OW STD	EAM ATTRI	DUTES					
			Circle one:	1	7	FLOW SIR		BUIES					
(F _b) (F	Coefficcient		Meter or over Pressure psia	Press Extension P _m xh	Grav Fact F _c	tor 1	emperature F		iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	et/	Flowing Fluid Gravity G _m
					(ODEN EL	000 (051.0)							
$(P_c)^2 =$:	(P _w) ² =	: ;	P _d =		ERABILITY) % (P	14.4) +		:	(P _a) ² (P _d) ²	= 0.2	07
(P _c) ² - (I or (P _c) ² - (I		(F	P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpres Slop 	sure Curve e = "n" origned ard Slope		og [Antilog	Op Deli Equals	en Flow verability R x Antilog Mcfd)
							<u> </u>						
Open Flor	l w			Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 psi	a.	
The i	unders	igned	authority, o	n behalf of the	Company, s	tates that h	e is duly au			•	t and that he ha	s know	edge of
the facts s	tated t	herei	n, and that s	aid report is true	and correc	t. Executed	this the 21	0/1	day of N	ovember			20 11 .
			Witness	if any)			2	'Ke	ufl	For Co	ompany		CEIVED
			For Comr	nission			<u></u>		V	Check	ked by	UEC	1 3 201

KCC WICHITA

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	t the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
l he	reby request a one-year exemption from open flow testing for the Zweygardt 13-33B
gas wel	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 fur	ther 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: 1	1/21/2011
	·
•	
	Signature: Leuf Ho Lusan
	Title: Regulatory Analyst II
	Tale: 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 signed and dated on the front side as though it was a verified report of annual test results.

DEC 13 2011