## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:		ONL	POINT 3			ions on Reve			INADILIT	1 1231	
	en Flo iliverab				Test Date	<b>)</b> :				No. 15 023-21086-0	00-00	
Company Noble E		Inc	<del></del>				Lease Zweygar	dt			44-33 <sup>W</sup>	/eli Number
County Cheyenne			Location SW-SW-SE-SE		Section 33		TWP 3S		RNG (E/W) 41W		Acres Attributed	
Field Cherry Creek				Reservoir Niobrara					ias Gathering Connection Southern Star/Kinder Morgan			
Completion 9/11/200	on Dat	9			Plug Bac 1519'	k Total Dept	h		Packer S			
Casing Size 7", 4-1/2"			Weight 17#, 11.6#		Internal Diameter 9-7/8", 6-1/4"		Set at 170', 1560'		Perforations 1330'		то 1370'	
Tubing S			Weigh			rnal Diameter Set at Perforations To						
Type Cor Single (		n (De	escribe)		Type Flui Saltwa	d Production	1		Pump Ur No	it or Traveling	Plunger? Yes /	' No
Producin	g Thru	(Ana	nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gra	vity - G <sub>g</sub>
Annulu: Vertical (		<del>1</del> )		**		Pres	sure Taps				(Meter R	un) (Prover) Size
Pressure	Buildu		Shut in _9/1	6 2	0_11 at_1	2:00	(AM) (PM)	Taken		20	at	(AM) (PM)
Well on L	_ine:		Started 9/1	9 2	20 11 at 12:00 (AM) (PM) Taken 20 at (AM) (		(AM) (PM)					
						OBSERVE	D SURFACE	DATA			Duration of Shut-in	72Hours
Static / Dynamic Property	Orif Siz (inch	e	Circle one: Meter Prover Presso psig (Pm)	Pressure Differential ure in Inches H <sub>3</sub> 0	Flowing Temperature t	Well Head Temperature t	Casir Wellhead P (P <sub>w</sub> ) or (P <sub>1</sub> )	ressure	Wellhe	ubing ad Pressure (P <sub>t</sub> ) or (P <sub>d</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Shut-In			, , ,	Í			200	paid	parg	para		
Flow												
			<del> </del>	1	1	FLOW STR	EAM ATTRI	BUTES	1			
Plate Coeffied (F <sub>b</sub> ) (F Mcfd	cient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fac	tor 3	Flowing Femperature Factor	Fa	iation ctor : PY	Metered Flov R (Mcfd)	v GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>
								<u> </u>				
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	::	(OPEN FL	* -	ERABILITY) % (P		ATIONS 14.4 =	:	(P <sub>a</sub> )² (P <sub>d</sub> )²	= 0.207
(P <sub>c</sub> ) <sup>2</sup> - ( or (P <sub>c</sub> ) <sup>2</sup> - (		(F	P <sub>e</sub> ) <sup>2</sup> - (P <sub>m</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P.2. P.2	Slope	sure Curve == "n" origned rd Slope	1	og [	Antilog	Open Flow Detiverability Equals R x Antilog (Mcfd)
						<del></del>						
Open Flo				Mcfd @ 14.	65 psia		Deliverabil	lity			Mcfd <b>©</b> 14.65 psia	<u> </u>
		igne	d authority, o	==		states that h			o make th		ort and that he has	
the facts s	stated t	here	n, and that s	aid report is true	and correc	t. Executed	this the 14		11	ecember	1 /	, 20 11 .
			Witness (	if any)				Ch	on	1 / Jan	O Kuno U	RECEIVED
			For Comp						· ·	·/	rhed by	DEC 2 8-201

	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
and that correct to	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.
	by request a one-year exemption from open flow testing for the Zweygardt 44-33 on the grounds that said well:
staff as r	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 Commissivecessary to corroborate this claim for exemption from testing.
	Signature: Chary Chusan  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 2 8 2011