## SIP TEST

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

Type Test:	- Fl			I	(See Instr	ructions on Re	everse Side	<del>9</del> )			
Open Flow Deliverabilty				Test Date 9/6/12	θ:		API No. 15 175-21 <b>8-2 880 -0000</b>				
Company NOBLE E	NERG	Y				Lease GOOD				2-16	Weil Number
County Location SEWARD C SE NE			Section 16		TWP 34S			Z/W)		Acres Attributed	
Field ARKALON			Reservoir MORROW/CHESTER			Gas Gathering Connection DUKE ENERGY FIELD SE				S RECEIVE	
Completion 11/17/02	n Date			Plug Bac	k Total D	epth		Packer	Set at		
Casing Size	•		Internal Diameter 4.950			Set at 5986		orations iO	To NOV 1		
Tubing Size	bing Size Weight		Internal Diameter 1.995		Set	Set at 5757		orations	То	KCC WICH	
	Type Completion (Describe) COMINGLED GAS			Type Fluid Production WATER			Pump Unit or Traveling YES - PUMP			Plunger? Yes	/ No
Producing TUBING	Producing Thru (Annulus / Tubing)				% Carbon Dioxide			% Nitro	gen	Gas Gravity - G	
Vertical De 5692	/ertical Depth(H) 5692				Pressure Taps FLANGE					(Meter Run) (Prover) Size	
Pressure 8	luildup:	Shut in _9/5/1	2 2	at_1	030	(AM) (PM)	Taken_9/	6/12	20	at1030	(AM) (PM)
Well on Lin	10:	Started	20	) at		(AM) (PM)	Taken		20	at	(AM) (PM)
			,		OBSER	VED SURFAC	E DATA			Duration of Shut-	in 24.0 Hours
Static / Dynamic Property	Orifice Size (inches)	Ze Prover Pressure in		Temperature Tempera		ture $(P_w)$ or $(P_i)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barreis)
Shut-In						131.5	145.9	psig	psia	24.0	
Flow											
Diete		Circle one:		<u> </u>	FLOW S	TREAM ATT	RIBUTES				Floring
Plate Coeffiecier (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Meter or rover Pressure psia	Press Extension ✓ P <sub>m</sub> xh	Grav Fac F	tor	Flowing Temperature Factor F <sub>II</sub>	Fa	riation actor = ev	Metered Flow R (Mcfd)	W GOR (Cubic Fer Barrel)	Flowing Fluid Gravity G
				(OREN EL	OW) (DEI		// CALCIII	ATIONS			
(P <sub>c</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup> =	:	P <sub>d</sub> =			P <sub>a</sub> - 14.4) +		:		? = 0.207 ? =
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> )		$ (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 by:		Backpre Sid	Backpressure Curve Slope = "n"		LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
	Inon Flow				Dalinarahilita			•	Mode @ 14 65 poin		
Open Flow	dereinne	ad authority on	Mcfd @ 14.6		tatee the	Deliveral		n maka ti		Mcfd @ 14.65 psi ort and that he ha	
	_	ein, and that said									, 20 <u>12</u>
		CC WICHIT	A			-			WIRELIN	E AND TEST	ING
COPY	TO K	Witness (if a CC DODGE (For Commiss	CITY	. *			<del> </del>		MARK BRO	Company CK cked by	

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
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 GOOD 2-16
gas well 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
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: 11 6 12
Signature: La Land Avalyst

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.