## KANSAS CORPORATION COMMISSION STP Test ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side) Type Test: Open Flow Test Date: API No. 15 Deliverabilty 175-21893 10/11/11 Company Well Number Lease **KEATING** NOBLE ENERGY 2-14 TWP RNG (E/W) County Location Section Acres Attributed **SEWARD S/2 SW SW** 14 34\$ 31W Field Gas Gathering Connection Reservoir CHESTER DCP Completion Date Plug Back Total Depth Packer Set at 12-9-03 5998 NONE Casing Size Perforations Weight Internal Diameter Set at Tο 4.950 6040 5692 5935 5.5 15.5 Tubing Size Internal Diameter Sel at Perforations Weight To 2.375 4.7 1.995 5970 Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Yes / No SINGLE GAS WATER/OIL YES - PLUNGER % Carbon Dioxide % Nitrogen Producing Thru (Annulus / Tubing) Gas Gravity - G 0.662 TUBING Pressure Taps (Meter Run) (Prover) Size Vertical Depth(H) **FLANGE** 3.068" 5814 \_\_at\_0830 10-10-11 10-11-11 0830 \_\_ (AM) (PM) Taken. ... 20 ..... at. Pressure Buildup: Shut in \_ (AM) (PM) Well on Line: Started \_ 20 \_\_\_\_ at \_\_\_ \_ (AM) (PM) Taken. ... 20 \_\_\_ al \_ (AM) (PM) 24.0 **OBSERVED SURFACE DATA** Duration of Shut-in Hours Circle one: Casino Pressure Tubing Static / Orifice Flowing Well Head Meter Differential Wellhead Pressure Wellhead Pressure Duration Liquid Produced Siza Dynamic Temperature Temperature (P, ) or (P, ) or (P, (Hours) (Barrels) Prover Pressure (P, ) or (P, ) or (P, in Property (inches) Inches H<sub>2</sub>0 psig (Pm) psig psia psig psia Shul-In 386.8 372.4 317.1 331.5 24.0 Flow FLOW STREAM ATTRIBUTES Circle one: Flowing Plate Flowing Press Gravity Deviation Metered Flow GOR Coeffiecient Maler or Temperature Extension Fluid Factor Factor (Cubic Feet/ Prover Pressure Factor $(F_b)(F_p)$ Gravity ✓ P<sub>m</sub>xh (Mcfd) Barret) Fi OS/B Meta G\_ (OPEN FLOW) (DELIVERABILITY) CALCULATIONS $(P_{\star})^2 = 0.207$ $(P_c - 14.4) + 14.4 =$ $(P_{a})^{2} =$ $(P_d)^2 =$ Choose formula 1 or 2; Backpressure Curve Open Flow (P<sub>e</sub>)2 - (P<sub>e</sub>)2 LOG of (P,)2 - (P,)2 1. P.2. P.2 Slope = "n" n x LOG formula Deliverability ---- or -----Antitog 1, or 2. and divide 2. P.2-P.2 Equals R x Antilog (P\_)2- (P\_)2 Assigned P.2. P.2 (Mc(d) divided by: P.2 - P.2 Standard Slope Open Flow Mcfd @ 14.65 psla Deliverability Mcfd @ 14.65 psia The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 11 day of OCTOBER

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l de	clare 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 an correct to the best of my knowledge and belief based upon available production summaries and lease record	
l her	reby request a one-year exemption from open flow testing for the KEATING 2-14
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
	ther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
itaff as r	necessary to corroborate this claim for exemption from testing.
	1-20-12
)ate: <u>    {    </u>	
	Signature: FRMS FRMS
	The Dison France

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.