KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST SIP TEST Type Test: (See Instructions on Reverse Side) Open Flow Test Date: API No. 15 Deliverabilty 175-24083-0000 10/27/11 20255-0001 Company Lease Well Number **NOBLE ENERGY** BLACK 1-15 County Location Section TWP RNG (E/W) Acres Attributed SEWARD C SW NE 15 **34S** 31W Field Reservoir Gas Gathering Connection ARKALON CHESTER/L. MORROW/U.MORROW DCP Completion Date Plug Back Total Depth Packer Set at 7-23-75 5870 NONE Casing Size Weight Internal Diameter Set at Perforations To 4.5 10.5 4.052 5981 5559 5690 **Tubing Size** Weight Internal Diameter Set at Perforations To 2.375 4.7 1.995 5665 Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Yes / No COMINGLE GAS WATER/OIL YES-PUMP Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G. **ANNULUS** 0.670 Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size 5625 FLANGE 10-26-11 0815 10-27-11 Pressure Buildup: Shut in 0815 (AM) (PM) Taken. (AM) (PM) Well on Line: 20_ . at _ (AM) (PM) Taken_ 20 _ .. at (AM) (PM) **OBSERVED SURFACE DATA** 24.0 Duration of Shut-In Circle one Pressure Static / Orifice Casing Tubing Flowing Well Head Differential Meter Wellhead Pressure Wellhead Pressure Dynamic Size Duration Liquid Produced Temperature Temperature Prover Pressure in (inches) (P_) or (P_) or (P_) (P_) or (P,) or (P,) Property (Hours) (Barrels) psig (Pm) Inches H₋0 psia psiq psig Shut-In 271.9 257.5 24.0 Flow **FLOW STREAM ATTRIBUTES** Plate Circle one Press Flowing Gravity Flowing Deviation Meter or Metered Flow Coefficient GOR Extension Temperature Factor Fluid Factor Prover Pressure R (Cubic Feat/ (F,) (F,) Factor Pxh Gravity F,, Mold osla (Mcfd) Barrel) F,, G_ (OPEN FLOW) (DELIVERABILITY) CALCULATIONS $(P_{*})^{2} = 0.207$ (P,)2 = (P_)2 = $(P_c - 14.4) + 14.4 =$ $(P_{a})^{2} =$ mula 1 or 2: Backpressure Curve (P_a)2 - (P_a)2 (P_e)2 - (P_w)2 1. P.*- P.* LOG of Open Flow Slope = "n" formula n x LOG Deliverability Antilog 2. P. P. (P_a)² · (P_a)² 1. or 2. Equals R x Antilog Assigned P 2. P 2 divided by: P.* P.* Standard Slope (Mcfd) Open Flow Mcfd @ 14.65 psta 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 ____ day of OCTOBER the facts stated therein, and that said report is true and correct. Executed this the 27 COPY TO KCC WICHITA PRECISION WIRELINE AND TESTING For Company RECEIVED COPY TO KCC DODGE CITY MARK BROCK For Commission Checked by **JAN 1 1 2012**

KCC WICHITA

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 BLACK 1-15 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: 12-15-11 Signature: Application Title: List Frank

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.