**RECEIVED** 

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

Deliverability   Teal Date:
Noble Energy Inc
Field   NW-NW-NW-SW   6   4S   41W   Gas Gathering Connection   Southern Star/Kinder Morgan
Cherry Creek
State   Stat
Tr. 4-1/2"
1.995   1445
Single (gas)  Saltwater  Yes  Producing Thru (Annulus / Tubing)  % Carbon Dioxide  % Nitrogen  Gas Gravity - G <sub>9</sub> (Meter Run) (Prover) Size  Pressure Buildup: Shut in 12/6  Well on Line:  Started 12/7  20 12 at 11:38  (AM) (PM) Taken  20 at (AM) (PM)  Well on Line:  OBSERVED SURFACE DATA  OBSERVED SURFACE DATA  Duration of Shut-in 28.5  Ho  Casing  Flowing Temperature (P <sub>x</sub> ) or (P <sub>x</sub>
Producing Thru (Annutus / Tubing)  Tubing  Vertical Depth(H)  Pressure Taps  (Meter Run) (Prover) Size  Pressure Buildup: Shut in 12/6 20 12 at 11:38 (AM) (PM) Taken 20 at (AM) (PM)  Well on Line: Started 12/7 20 12 at 4:11 (AM) (PM) Taken 20 at (AM) (PM)  Static / Orifice Size Property (inches)  Property Prover Pressure Ditterential Inches H <sub>2</sub> 0  Shut-In Flow  Flow  Flow  Fressure Flowing Thru (Annutus / Tubing)  Prover Pressure Antique Prover Pressure Inches H <sub>2</sub> 0  Prover Prover Pressure Outpean Inches H <sub>2</sub> 0  Prover Prover Pressure Prover Pressure Prover Pressure Prover Prover Pressure Pres
Pressure Buildup: Shut in   12/6   20 12 at   11:38   (AM) (PM)   Taken   20   at   (AM) (PM)   (AM) (PM) (PM) (PM) (PM) (PM)   (AM) (PM) (PM)   (AM) (PM) (PM)   (AM) (PM) (PM) (PM) (PM)   (AM) (PM) (PM) (PM) (PM) (PM) (PM) (PM) (P
Well on Line: Started 12/7 20 12 at 4:11 (AM) (PM) Taken 20 at
OBSERVED SURFACE DATA  Ouration of Shut-in 28.5 Ho  Static / Orifice Size Dynamic Slze (inches)  Property (inches)  Shut-In Flow Inches H <sub>2</sub> O Inches
Static / Orifice Size (inches)   Pressure psig (Pm)
State / Dynamic State / Dynamic State / Dynamic State / Size Property (inches)
Shut-In Flow FLOW STREAM ATTRIBUTES  Flow STREAM ATTRIBUTES  Plate Coefficient $(F_b)(F_p)$ Meter of Prover Pressure Psia Psia Psia Psia Psia Psia Psia Psia
FLOW STREAM ATTRIBUTES  Plate Coefficient ( $F_b$ ) ( $F_p$ ) Meter or Prover Pressure psia  (OPEN FLOW) (DELIVERABILITY) CALCULATIONS  ( $F_c$ ) 2 = ( $F_w$ ) 2 = $F_d$
Plate Coefficient ( $F_b$ ) ( $F_p$ ) Meter or Prover Pressure psia   (OPEN FLOW) (DELIVERABILITY) CALCULATIONS  ( $P_a$ ) $P_b$ $P_c$ $P_b$ $P_c$ $P$
Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) $P_{p}$ Meter or Prover Pressure psia    (OPEN FLOW) (DELIVERABILITY) CALCULATIONS    (P <sub>a</sub> ) <sup>2</sup> = (P <sub>w</sub> ) <sup>2</sup> = P <sub>a</sub> = % (P <sub>c</sub> - 14.4) + 14.4 = (P <sub>d</sub> ) <sup>2</sup> = (P <sub>d</sub> ) <sup>2</sup> = (P <sub>e</sub> ) <sup>2</sup> - (P <sub>e</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>e</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - 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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Open Flow Mcfd @ 14.65 psia 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
ne facts stated therein, and that said report is true and correct. Executed this the 13 day of December , 20 13
Witness (If any) For Company KCC WIC
For Commission Checked by DEC 3 0 2

	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request us under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy inc
and that the correct to the of equipmen I hereby	foregoing pressure information and statements contained on this application form are true and e best of my knowledge and belief based upon available production summaries and lease records t installation and/or upon type of completion or upon use being made of the gas well herein named. request a one-year exemption from open flow testing for the <a href="Zweygardt 13-6">Zweygardt 13-6</a> the grounds that said well:
l further	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 agree to supply to the best of my ability any and all supporting documents deemed by Commissionessary to corroborate this claim for exemption from testing.
Date: <u>12/13</u>	
	Signature: Andrew Mills  Title: Regulatory Analyst

## 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 **1S** 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.

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