KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Station Orifice Circle one: Pressure Flowing Wall Head Casing Tubing | To 1462' To ger? Yes | Acres Attributed RECEIVE DEC 2 6 2 KCC WICH |
|---|-----------------------------|--|
| Company Noble Energy Inc. Zweygardt | To 1462' To ger? Yes | Acres Attributed RECEIVE DEC 2 6 2 KCC WICH |
| Cheyenne SW-SE 32 3S 41W | To 1462' To ger? Yes | RECEIVE DEC 2 6 2 KGC WICH |
| Cherry Creek | To ger? Yes Gas Gr | / No |
| 1508 | To ger? Yes Gas Gr | / No |
| Internal Diameter Set at Perforations Perfo | To ger? Yes Gas Gr | / No |
| The state of the s | ger? Yes Gas Gr | |
| Single (gas) saltwater Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen % Nitrogen Pressure Taps Pressure Buildup: Shut in 12/5 20 12 at 9:45 (AM) (PM) Taken 20 — Well on Line: Started 12/6 20 12 at 11:15 (AM) (PM) Taken 20 — OBSERVED SURFACE DATA Dura Static / Orifice Size (inches) Prover Pressure Prover Pressure psig (Pm) Shut-In Shut-In Saltwater Yes Carbon Dioxide % Nitrogen # Well Taken 20 — **Casing Wellhead Pressure (P _w) or (P ₁) or (P ₂) o | Gas Gr | |
| Pressure Buildup: Shut in 12/5 20 12 at 9:45 (AM) (PM) Taken 20 Vell on Line: Started 12/6 20 12 at 11:15 (AM) (PM) Taken 20 Static / Orifice Size (inches) Pressure Differential in Inches H ₂ 0 Property (Inches) Shut-In Shut-In Shut-In Pressure Property (Pm) or (P ₁) or (P ₂) or (P ₃) or (P ₄ | | ravity - G |
| Pressure Taps | (Meter I | |
| Started 12/6 20 12 at 11:15 (AM) (PM) Taken 20 20 20 20 3 at 11:15 (AM) (PM) Taken 20 20 20 20 3 at | | Run) (Prover) Size |
| Nell on Line: Started 12/6 20 12 at 11:15 (AM) (PM) Taken 20 | at | (AM) (PM) |
| Static / Orifice Size (inches) | at | (AM) (PM) |
| Static / Orifice Size (inches) Meter Prover Pressure (inches) Shut-In Meter Prover Pressure (inches) Meter Prover Pressure (inches) Differential in Inches H ₂ 0 Temperature t Well Head Temperature t Well Head Temperature (P _w) or (P ₁) or (P ₂) Posig Psia Psia Psig Psia | ition of Shut- | _in_25.5 Hours |
| Shut-In psig (rm) inches H ₂ U psig psia psig psia | Duration (Hours) | Liquid Produced (Barrels) |
| Flow | | |
| | | |
| FLOW STREAM ATTRIBUTES | | |
| Plate Coefficient (F _b) (F _p) Moted psia (F _m xh) psia (F _m xh) Press Gravity Factor Factor F _m xh | GOR (Cubic Fe Barrel) | eet/ Fluid Gravity |
| | | |
| (OPEN FLOW) (DELIVERABILITY) CALCULATIONS $ P_{c})^{2} = $ | |) ² = 0.207) ² = |
| | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) |
| | | |
| Describition Deliverships | @ 14.65 ps | l . |
| | | |
| The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and e facts stated therein, and that said report is true and correct. Executed this the 20 day of December | | • |
| Witness (if any) For Compan | | |
| Titless in diry) | v | |

| I declare | e under penalty of perjury under the laws of the state of Kansas that I am authorized to request |
|----------------|--|
| exempt statu | s under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc. |
| | foregoing pressure information and statements contained on this application form are true and |
| correct to the | e best of my knowledge and belief based upon available production summaries and lease records |
| of equipment | t 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 Zweygardt 23-32 |
| gas well on t | he 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 |
| l further | agree to supply to the best of my ability any and all supporting documents deemed by Commission |
| | essary to corroborate this claim for exemption from testing. |
| stan as nece | soury to correspond to the state of the stat |
| Date: 12/20 | /2012 |
| Date | |
| | |
| | Signature: 1 |
| | Signature: |
| | 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 **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.