KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | t: | | | | (| See Instruct | ions on Reve | arsa Sida |) | | | | |
|--|-----------|--|--|--|------------------------------------|---|-------------------|--|--|---------------------------------------|---|------------------------------|-----------------|
| Op | en Flo | W | | | T D | | | | | | | | |
| De | liverab | ilty | | | Test Date | 3 ; | | | | Na. 15)23-21227-00 | -00 | | |
| Company Noble E | | Inc | | · | | ··· | Lease Wiese | | | | | Vell Number | |
| County Cheyenne | | | Location E2-E2-S | | Section 5 | = | | TWP 4S | | RNG (E/W) 41W | | Acres Attributed | |
| | | | | | Reservoir Niobrara | | | Gas Gathering Connection Southern Star/Kinder Morgan | | | | | |
| Completion Date 9/16/2010 | | | Plug Bac 1544' | Plug Back Total Depth 1544' | | | Packer S | | ······ | · · · · · · · · · · · · · · · · · · · | | | |
| Casing Size Weight 7", 4-1/2" 20#, 11.6# | | | | Internal (9-7/8", | | Set at 219', 1587' | | Perforations 1396' | | To 1/38' | To 1438' | | |
| Tubing Size 2-3/8" | | | Weight 4.7# | Internal (| Internal Diameter | | Set at | | Perforations | | То | | |
| Type Con Single (| | 1 (De | | | | d Production | 1 | | Pump Un | it or Traveling P | lunger? Yes | / No | |
| Producing | | (Anr | rulus / Tubing |) | | arbon Dioxi | de | | % Nitrog | en | Gas Gra | ivity - G | |
| Tubing Vertical C |)anth(H | IN. | | | | | sure Taps | | | | | | |
| vernoar c | oepan(r) | •• | | | | Press | sure raps | | | | (Meter F | lun) (Prover) : | Size |
| Pressure | Buildu | | | 12 | | | (PM) | Taken | | 20 | at | (AM) (P | ·Μ) |
| Well on L | .ine: | | Started 2/25 | <u> </u> | 0 11 at 1 | 0:40 | (PM) | Taken | | 20 _ | at | (AM) (P | ·Μ) |
| | | | | | | OBSERVE | D SURFACE | DATA | | | uration of Shut- | n_24.25 | Hours |
| Static / Onfice Dynamic Size Property (inches | | 8 | Circle one: Meter Prover Pressu psig (Pm) | | Flowing Temperature t | Well Head Temperature t | wellhead Pressure | | Tubing Wellhead Pressure (P _a) or (P _i) or (P _c) | | Ouration (Hours) | Liquid Produced (Barrels) | |
| Shut-in | | | paig (Fin) | Inches H ₂ 0 | | _ | 200 | psia | psig | osia | | | |
| Flow | | | | | | | | | | | | | \dashv |
| | | | | | | FLOW STR | EAM ATTRI | BUTES | | | - | <u> </u> | |
| Plate Coeffiecient (F _b) (F _p) McId | | Gircle one: Meter or Prover Pressure psia | | Press Extension | Fac | Gravity Te Factor Te F _g | | Flowing Devia mperature Factor F _H | | Metered Flow R (Mcfd) | GOR (Cubic Fe Barrel) | Flow Flu Gra G | uid vity |
| | | | | | | | | | | | | | |
| | | | | | (OPEN FL | OW) (DELIV | ERABILITY) | CALCUL | ATIONS | | (P.) | ² = 0.207 | |
| (P _e) ² = | | _: | (P _w) ² = | <u> </u> | P _d = | | % (P _c | - 14.4) + | 14.4 = | : | (P _a) | | |
| $(P_q)^2 \cdot (P_x)^2$ or $(P_q)^2 \cdot (P_d)^2$ | | (Pa)2 - (Pg)2 | | 1. P _c ² · P _s ² 2. P _c ² · P _s ² wided by: P _c ² · P _s | LOG of formula 1. or 2. and divide | formula 1. or 2. and divide p2.p2 | | Backpressure Curve Slope = "n" | | rod | Antilog Open Flow Antilog Equals R x Antilog (Mcfd) | | lity Intilog |
| | | | | | | | | | | | | | \neg |
| | | | | | <u> </u> | | | | | | | | |
| Open Flo | W | | | Mcfd @ 14. | .65 psia | | Deliverabil | ity | | M | lcfd @ 14.65 psi | a | |
| | | | | | | | | | _ | | and that he ha | = | |
| the facts s | itated ti | herei | n, and that sa | id report is trui | | t. Executed | | <u></u> | day of D | ecember | 1 | , 20 <u>11</u> | <u> </u> |
| | | | Witness (II | any) | | JAN 1 7 | | | en | 1 / 1 E | mpany | <u>^</u> | |
| | | | For Comm | ssion | | | _ | | | Check | ed by | | |

KCC WICHITA

| | er penalty of perjury under the laws of the state of Kansas that I am authorized to request | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|
| | der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc | | | | | | | | | |
| | going 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 | | | | | | | | | | |
| | | | | | | | | | | |
| (Check | cone) | | | | | | | | | |
| , [| is a coalbed methane producer | | | | | | | | | |
| | is cycled on plunger lift due to water | | | | | | | | | |
| ī | 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 | | | | | | | | | |
| \Box | | | | | | | | | | |
| $\overline{\checkmark}$ | is not capable of producing at a daily rate in excess of 250 mcf/D | | | | | | | | | |
| | | | | | | | | | | |
| I further agre | e to supply to the best of my ability any and all supporting documents deemed by Commissio | | | | | | | | | |
| staff as necessar | y to corroborate this claim for exemption from testing. | | | | | | | | | |
| | | | | | | | | | | |
| Date: 12/28/201 | 1 | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | Clark Alian | | | | | | | | | |
| | Signature: Keryl Johnson | | | | | | | | | |
| | Title: Regulatory Analyst II | | | | | | | | | |

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.

RECEIVED
JAN 1 7 2012
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