KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type | SIP TEST | (| ONE F | POINT S | TABILIZ | ED OPE | N FLO | W OR | DELIV | ERABILIT | Y TEST | | | |
|---|---|--------------------|---|--------------------------|---|---------------------|--------------------|--------------|-------------------|------------------|-------------------|--|--|--|
| Deliverability | Type Test: | | | | | | | | | | | | | |
| Secondary Seco | Open F | low | | | | | | | | | | | | |
| RAYDON EXPLORATION, INC. SACTIMAN 2-16 Work Macros Attributed 16 32 28 28 Macros Attributed 28 28 28 28 28 28 28 2 | | abilty | | | | | | | | | 3-0000 | | | |
| MEAD NW NW SE 16 32S 29W Acres Attributed Peacher Set at Second CheSTER Gas dathering Connection CheSTER Completion Date CheSTER Plug Back Total Depth Pecker Set at NONE Second CheSTER Plug Back Total Depth Pecker Set at NONE Chesting Stre Weight 10.5 4.090 60.79 Parforations To Total Depth Parforations To Total Depth Parforations To Set at Set at Parforations To Set at Parforations To Set at | | XPLOR/ | ATION, I | NC. | | | | IAN | | | | Well Nun | nber | |
| CHESTER CHESTER Plug Back Total Depth 6-26-02 SpSt0 Casing Stre 4.5 10.5 4.090 6079 Sat at Perforations 5700 Tubing Size 2.375 4.7 1.995 ST70 Tubing Size 4.7 1.995 ST70 Type Completion (Describe) Type Completi | | NW | | | · · · · · · · · · · · · · · · · · · · | | | | | ZW) | Acres Attributed | | | |
| Second S | Field | | | | | | | | Gas Ga | thering Conn | ection | | | |
| 4.5 | Completion Da 6-26-02 | ate | | | • | • | | | | | | | | |
| Tubing Size Weight Internal Diameter Sati at 1,995 5770 Perforations To 1,995 1,1995 Filed Production WATER/OIL PUMP VTS-PUMP VTS | | | | | | | | | | | | | | |
| SINGLE GAS WATER/OIL YES-PUMP Troducing Thru (Annulus / Tubing) ANNULUS Fressure Taps FLANGE Started FLANGE FLANGE FLANGE FLANGE FLANGE Tubing Ouration of Shut-in Started ANNULUS Started ANNULUS OBSERVED SURFACE DATA OBS | | | | | | | | | orations | | | | | |
| Producing Thru (Annutus / Tubing) No. Carbon Dloxide No. Nitrogen O.645 O.645 Vertical Depti(H) Pressure Taps FLANGE 3.068* Pressure Buildurp: Shut in 9-21-11 20 at 0815 (AM) (PM) Taken 9-22-11 20 at 0815 (AM) (PM) Taken 9-22-11 20 at 0815 (AM) (PM) Taken 20-20 at (AM) (PM) Taken | Type Completi SINGLE GA | on (Describ | (6) | | | | | | Pump U | nit or Traveling | Plunger? Yes | / No | | |
| Vertical Depth(H) Fressure Taps FLANGE 3.068* FLANGE 3.068* Prossure Buildup: Shut in 9-21-11 20 at 0815 (AM) (PM) Taken 9-22-11 20 at 0815 (AM) (PM) Taken 20 at (AM) (PM | | u (Annulus | / Tubing) | | % C | arbon Dioxi | de | | | | | | | |
| FLANGE TRANGE | | (H) | | | - | | Suro Tono | | | | | | | |
| Well on Line: Started 20 at | 5694 | | · · · · · · · · · · · · · · · · · · · | | | FLAI | • | | | | , | , , | ver) Size | |
| Stelic / Dynamic Circle one: Meter of Prover Pressure page (Pm) Flow | Pressure Build | hup: Shut | _{in} <u>9-21-</u> | 11 2 | at <u>0</u> | 815 | (AM) (PM) | Taken 9 | 22-11 | 20 | at_0815 | (A | M) (PM) | |
| Static Dynamic Size Notes one: Dynamic Size Size Size Dynamic Size Size Size Dynamic Size Size Size Size Dynamic Size Size Size Size Size Dynamic Size Size Size Size Size Size Size Size | Well on Line: | Starte | ed | 2 | 0 at | | (AM) (PM) | Taken | | 20 | at | (A | M) (PM) | |
| Static Dynamic Size Notes one: Dynamic Size Size Size Dynamic Size Size Size Dynamic Size Size Size Size Dynamic Size Size Size Size Size Dynamic Size Size Size Size Size Size Size Size | | | | | | OBSERVE | D SURFAC | E DATA | ···· | | Duration of Chut | _ 24.0 | | |
| Dynamic (Inches) Property P | Static / Ori | ifice I | | | Flowing | l " | | | T | Tubing | Duration of Shut- | <u>'n</u> | Houn | |
| Shut-In | | hes) Prove | r Pressure | in | Tomperature | Temperature | erature Wellhead (| | Wellhead Pressure | | | | | |
| Flow STREAM ATTRIBUTES Plate Coefficient (F _a) (F _a) Moter or pela Pressure Prescor P | Shut-In | | | incites H ₂ O | | | | | psig | psla | | | - , | |
| Plate Coefficient Coefficient (F ₁)(F ₂) Moter or Prover Pressure paia Prover Pressure paia Prover Pressure paia Prover Prover Pressure Prover Pressure Prover Prover Pressure Pressure Prover Prover Pressure Prover Prover Pressure Prover Prover Pressure Pressure Pressure Pressure Prover Prove | Flow | | | | | | 220.3 | 242.1 | <u> </u> | | 24.0 | | | |
| Plate Coefficient Coefficient (F ₁)(F ₂) Moter or Prover Pressure paia Prover Pressure paia Prover Pressure paia Prover Prover Pressure Prover Pressure Prover Prover Pressure Pressure Prover Prover Pressure Prover Prover Pressure Prover Prover Pressure Pressure Pressure Pressure Prover Prove | | l | . | L | l | FLOW STR | EAM ATT | RIBUTES | <u> </u> | | | <u> </u> | <u>.</u> | |
| Coefficient (F _b)(F _c) Prover Pressure pela Power Power Pressure pela Power Power Pressure pela Power Pressure pela Power Power Pressure pela Power Power Pressure pela Power Power Pressure pela Power Power Pressure Power Power Pressure Power Power Pressure Power Powe | Plate | Circle o | ne: | Prose | | | | | | <u> </u> | | | | |
| Copen Flow Cop | | Mater or Extension | | , | | Temperature De | | 1000000001 | | | | _ | | |
| (P _c) ² = : (P _w) ² = : P _d = % (P _c -14.4) + 14.4 = : (P _d) ² = (P _d) ² | C FL C D C T | | ✓ P _m xh | F, | | | | | | i ' | | Gravity | | |
| (P _c) ² = : (P _w) ² = : P _d = % (P _c -14.4) + 14.4 = : (P _d) ² = (P _d) ² | | | | | (ODEN EL | | | | | | | | | |
| Choose formula 1 or 2 1. P. 2 P. 2 2. P. 2 P. 2 3 and divide by: P. 2 P. 2 | (P _c) ² = | : | (P _w) ² = | : | | | | | | : | - | | 7 | |
| Open Flow Mcfd © 14.65 psla Deliverability 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 COPY TO KCC WICHITA RECEIVED PRECISION WIRELINE AND TESTING Witness (if any) COPY TO KCC DODGE CITY Or Assigned Standard Slope Noted © 14.65 psla Deliverability Assigned Standard Slope Antilog Antilog Deliverability Equals R x Antilog Mcfd © 14.65 psla Deliverability Equals R x Antilog Mcfd © 14.65 psla 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 SEPTEMBER COPY TO KCC WICHITA RECEIVED PRECISION WIRELINE AND TESTING For Company MARK BROCK | (P ₋) ² - (P ₋) ² | (P)2-(F | | | | $\overline{\Gamma}$ | Backpre | essure Curve | | Г 7 | | | | |
| Open Flow McId © 14.65 psia Deliverability McId © 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 22 day of SEPTEMBER COPY TO KCC WICHITA RECEIVED PRECISION WIRELINE AND TESTING Witness (if any) COPY TO KCC DODGE CITY DEC 2 3 2011 MARK BROCK | or | | 2. P ₂ ² -P _d ² | | formula 1, or 2, and divide ps.p2 | | Assigned | | _ n x LOG | | Antilog | Delly Equals I | Deliverability Equals R x Antilog | |
| 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 he facts stated therein, and that said report is true and correct. Executed this the 22 day of SEPTEMBER . 20 11 COPY TO KCC WICHITA Wilness (if any) COPY TO KCC DODGE CITY DEC 2 3 2011 MARK BROCK | | | - down | sed by: Pc - Pw | | | Stand | dard Slope | | | | (A | lcfd) | |
| 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 he facts stated therein, and that said report is true and correct. Executed this the 22 day of SEPTEMBER . 20 11 COPY TO KCC WICHITA Wilness (if any) COPY TO KCC DODGE CITY DEC 2 3 2011 MARK BROCK | | | | | | | | • | | | | | | |
| COPY TO KCC WICHITA COPY TO KCC DODGE CITY COPY TO K | Open Flow | | · | Mcfd @ 14. | 65 psla | | Deliveral | bility | | | Mcfd @ 14.65 psi | a | | |
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| COPY TO KCC DODGE CITY DEC 2 3 2011 MARK BROCK | | | | | and correct | | | | | | | | , <u>11 </u> | |
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| | COPY T | O KCC I | DODGE | CITY | | <u>OE</u> C | 2 3 20 | 11 | | MARK BRO | CK | | | |

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| 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 RAYDON EXPLORATION, INC. |
| 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 BATMAN 2-16 |
| 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: $12-21-11$ |
| Signature: Title: PRSICLUM |

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.