KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | t: | | | | (- | See Instruct | tions on Re | verse Side |) | | | | |
|--|---------------------------|--------------|--|--|---|---|---|---|----------------------|--|-------------------------------|---|--|
| Op | en Flo | W | | | Test Date | | | | ΔDI | No. 15 | | | |
| ✓ Deliverabilty | | | | | January 27, 2010 | | | | 033205220 | 000 | | | |
| Company | | lora | tion, Inc. | | | | Lease Eden | | | | A #1 | Well Number | |
| County Location Comanche C SW SE | | | Section 32 | , , , , , , , , , , , , , , , , , , , | TWP 32S | | | W) | • | Acres Attributed | | | |
| Field Shimer | | | | | Reservoir Mississippi | | | Gas Gathering Co Oneok | | • | ection | | |
| Completic 05/27/8 | | е | | | Plug Baci 4952' | k Total Dept | th | | Packer S | Set at | | | |
| Casing S 5 1/2" | ize | | Weight | | Internal E | Diameter | Set a 499 | | | rations 9-26 | То | | |
| Tubing Si 2 3/8" | ubing Size Weight | | | Internal Diameter | | Set at 4955' | | Perforations | | То | | | |
| Type Con Single 2 | | | escribe) S Perforatio | ns | | Type Fluid Production Saltwater | | | | nit or Traveling ing Unit | Plunger? Yes | / No | |
| Producing | g Thru | (Anr | nulus / Tubing |) | % C | arbon Dioxi | de | | % Nitrog | jen | Gas Gr | avity - G _g | |
| Annulus | | | | | | | | | | | | | |
| Vertical D | Depth(H | 1) | | | | Pres | sure Taps | | | | (Meter I | Run) (Prover) Size | |
| Pressure | Buildu | p: | Shut in Jan | uary 27 ₂ | 0_10_at_8 | :00 | (AM) (PM) | Taken_Ja | nuary 2 | 2820 | 10 at 8:00 | (AM) (PM) | |
| Well on L | ine: | | Started | 2 | 0 at | | (AM) (PM) | Taken | | 20 | at | (AM) (PM) | |
| | | | | | | OBSERVE | D SURFAC | E DATA | | | Duration of Shut- | in Hours | |
| Static / Dynamic | Dynamic Size | | Circle one: Meter Prover Pressui | Pressure Differential in | Flowing Temperature t | Well Head Temperature t | Cas Wellhead (P _w) or (F | Pressure Well | | Tubing ead Pressure r (P _t) or (P _c) | Duration (Hours) | Liquid Produced (Barrels) | |
| Shut-In | Property (inches) Shut-In | | psig (Pm) | Inches H ₂ 0 | | | psig 782 | psia 796.4 | psig | psia | | - | |
| Flow | | , | | | | *** | | | | | | | |
| | | | | | | FLOW STR | REAM ATTR | IBUTES | | | | | |
| Plate Coeffiecient (F _b) (F _p) Mcfd | | Pro | Circle one: Meter or over Pressure psia | Press Extension ✓ P _m x h | Grav Fac F | tor | Flowing Temperature Factor F _{ft} | Deviation Factor F _{pv} | | Metered Flov R (Mcfd) | y GOR (Cubic Fe Barrel) | l Gravity l | |
| | | | | | | | | | | | | | |
| | | | | | (OPEN FL | OW) (DELIV | ERABILITY |) CALCUL | ATIONS | | (P _a) | $y^2 = 0.207$ | |
| (P _c) ² = | | _: | (P _w) ² = | : | P _d = | | % (| P _c - 14.4) + | 14.4 = | · · | (P _d) |)2 = | |
| (P _c) ² - (or (P _c) ² - (| " | (F | P _c) ² - (P _w) ² | Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ livided by: $P_c^2 - P_w^2$ | LOG of formula 1. or 2. and divide | P _c ² · P _w ² | Slo As | essure Curve pe = "n" - or ssigned lard Slope | n x | LOG | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) | |
| | | | | | | | | | | | | | |
| Open Flo | NA/ | | | Mcfd @ 14. | 65 nela | · · · · · · · · · · · · · · · · · · · | Deliveral | nility | | | Mcfd @ 14.65 ps | ia | |
| | | | | | | | | | ا دادید د | | | | |
| | | - | | behalf of the | | | | | o make t day of _ | | ort and that he ha | , 20 <u>10</u> | |
| | | | | | - | RECEIVI | | 7 | non | Q_{-} | Casti | | |
| | | | Witness (if | any) | ח | EC 23 | 2010 | • | | For | Company | | |
| | | | For Commi | ssion | U | LL AJ | ZU10 | | | Che | cked by | | |

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 Castelli 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 Eden A #1 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 Commissistaff as necessary to corroborate this claim for exemption from testing. | on |
| RECEIVED DEC 2 3 2010 KCC WICHITA Signature: President Title: President | |

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.