KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Te: | | | | | (See Instruc | ctions on R | everse Sid | 9) | | | | | |
|--|----------------------------|---|--|------------------------------------|--|--|----------------------------------|--|-----------------------------|-----------------------------|---------------------------------------|---|--|
| ✓ Open Flow Deliverabilty | | | Test Date: 4-28-10 | | | | API No. 15 15-009-06999-00-01 | | | | | | |
| Compar | | <u>.</u> | | 4-20-10 | , | Lease | . | 19- | -009-00999- | 00-01 | Well N | umber | |
| H.J. INC | | | Callahan | | | <u>ล</u> ก | | | 2-21 | 2-21 | | | |
| County Location Barton NE 1/4 | | | Section 21 | | TWP 19S | · | | RNG (E/W) 14W | | Acres Attributed 160 | | | |
| Field Heizer | | | | Reservoi | r | | ····· | | thering Conr Insas Gas C | | | | |
| Completion Date 8-26-03 | | | | Plug Bad 1793 | k Total Dep | oth | Packer Set at None | | | | | | |
| Casing Size Weight 5.5 17# | | | t | Internal | Diameter | | Set at 1793 | | rations 2-1736 | то 1744-1750 | | | |
| Tubing Size Weight 2.375 4.7 | | | t | Internal 1.995 | Diameter | Set at 1755 | | Perforations | | То | | | |
| Type Completion (Describe) | | | · · · · · · · · · · · · · · · · · · · | Type Fluid Production Saltwater | | | | Pump Unit or Traveling Plung Pumping Unit | | | / No | | |
| Producing Thru (Annulus / Tubing) Annulus | | | | % Carbon Dioxide | | | | % Nitrog | en | | Gas Gravity - G _p .6939 | | |
| Vertical Depth(H) | | | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Pressure Taps Flange | | | | | | | (Meter Run) (Prover) Size | | |
| Pressure | Buildup | Shut in 4-2 | В , | o 10 a, 9 | | | Token 4- | 29 | | 10 at 9:00 | AM | · · · · · · · · · · · · · · · · · · · | |
| Well on 1 | | Started 4-29 | 9 2 | 0 10 at 9 | :00 AM | . (AM) (PM) | Taken 4- | 30 | 20 | 10 at 9:00 / | AM | (AM) (PM) (AM) (PM) | |
| | | | <u>.</u> | <u>.</u> | OBSERVE | D SURFAC | E DATA | | | Duration of Shu | Lin | Hours | |
| Static / Dynamic Property | Size Meter Prover Pressure | | Pressure Differential in Inches H ₃ 0 | Temperature Temperature | | Casing Wellhead Pressure (P _w) or (P _t) or (P _o) | | Tubing Welthead Pressure (P _u) or (P _t) or (P _c) | | Duration (Hours) | Llqui | Liquid Produced (Barrels) | |
| Shut-In | | part (m) | Inches H ₂ O | | <u> </u> | psig | 100 | psig 0 | O | 24 | | | |
| Flow | .250 | 40 | 2% | | | | 50 | 0 | 0 | 24 | 1bb | 1 | |
| | | | | | FLOW STP | REAM ATTE | IBUTES | 1 | | | | | |
| Plate Coefficient (F _b) (F _p) Mcfd | | Circle one: Meter or Prover Pressure pala | Press Extension P _m x h | ion Factor | | Flowing Temperature Factor Fit | | Deviation Me Factor F _{pv} | | y GOR (Cubic F Barrel | eet/ | Flowing Fluid Gravity G _m | |
| (P _c) ² = | | · (D.)2 | | | OW) (DELIV | | | | | |) ² = 0.2 | 07 | |
| | | (P _c) ² - (P _w) ² | Choose formula 1 or 2: 1. P _c ² - P _s ² 2. P _s ² - P _s ² | | LOG of formula 1. or 2. and divide by: | | Backpressure Curve Slope = "n" | | .og [| (P _d | Op Dell Equals | Open Flow Deliverability Equals R x Antilog (Mcfd) | |
| | | | | | | | | | | | | | |
| Open Flow Mcfd @ 14.65 psia [| | | | | | | liverability Mcfd 2 14.65 psia | | | | | | |
| | | ned authority, on rein, and that sai | | | | e is duly au | Lb | | e above repo | rt and that he h | | edge of | |
| | | Witness (if | anyl | | | _ | | Н | J. Inc | · | RE | CEIVED | |
| | | For Commit | | | | _ | | lm | ber [| nst | | <u> </u> | |

| exempt status un and that the fore correct to the bes of equipment inst I hereby requ | der Pule K.A.R. 82-3-304 on behalf of the operator HJ. Inc. going pressure information and statements contained on this application form are true and it of my knowledge and belief based upon available production summarles and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Calana n #2-21 rounds that said well: |
|---|---|
| | 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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing. |
| Date: 10-20-1 | Signature: <u>Klennthe pang</u> Title: <u>Vice+ Presida</u> t |

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.

JUN 2 2 2011