Form G-2 (Rev. 8/98)

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Tes | t: | | ONE | POINT 3 | | | ctions on Reve | erse Side) | | | | MAR 0 7 2 | |
|---|--|---|----------------------------------|---|--|------------------|---|---------------------------------------|---|------------------|------------------------------------|---|--|
| Open Flow | | | Test Date: | | | | | API No. 15 | | | | | |
| Deliverabilty | | | | iest Date. | | | | | | | KCC WICH | | |
| Company | o Pi | roc | luction | , Inc. | | | Lease Arms t | rong | | | | Well Number | |
| County Location Sherman C-N | | on NE-NE | Section 2 | | TWP 8S | TWP 8S | | (W) (W) | . Acres Attributed | | | | |
| Field | lian | | | | Reservoir | | | | Gas Gat | nering Conne | ction | | |
| Good | | | | | Niob | | <u> </u> | | Lobo Packer S | | ction, In | c | |
| Completic 5/25 | | 8 | | <u></u> | 108 | | | | | | To | | |
| Casing Size | | Weigh | Weight | | iameter | Set at 1143 ' | | Perforations 980 * | | 1000' | | | |
| 4.5 Tubing Size | | Weigh | <u> </u> | Internal Diameter | | Set at | | Perforations | | To | | | |
| | | | | | | | | | D 11- | it as Tanualias | Bluegar? Vac / | No | |
| Type Con | | | | | Type Flui | d Production | n | | Pump Ur | nit or Traveling | Plunger? Yes / | 140 | |
| | Single Gas Producing Thru (Annulus / Tubing) | | | | % Carbon Dioxide | | | | % Nitrog | en : | | Gas Gravity - G | |
| | • | • | | | | | | | | | 0. | un) (Prover) Size | |
| Vertical D | epth(H | | | | | | ure Taps | | | | 2" Mete | r Run | |
| Pressure | Buildu | | | | | | | | | | at _8:00 | | |
| Well on L | ine: | | Started | 19 | at | | (AM) (PM) 1 | aken | | 19 | at | (AM) (PM) | |
| | | | | | | OBSERVE | ED SURFACE | DATA | | | Duration of Shut-i | n Hours | |
| Static / | Orifi | Orifice Circle one: | | Pressure | Flowing | Well Head | ad Casing Wellhead Pressure | | Tubing Wellhead Pressure | | Duration | Liquid Produced | |
| Dynamic S | | Bize Prover Pressure | | Differential re in (h) | Temperature t | Temperature t | (P _w) or (P ₁) or (P _c) | | (P _w) or (P ₁) or (P _c) | | (Hours) | (Barrels) | |
| Property | inch | es | psig | Inches H ₂ 0 | | | psig | psia | psig | psia | | | |
| Shut-In | | | | | | | 18 | | | | | - | |
| Flow | | | | | | | <u> </u> | | | | | | |
| | | | | | | FLOW ST | REAM ATTRIE | UTES | | | | | |
| Plate Coeffiecient (F _b) (F _p) McId | | Circle one: Meter or Prover Pressure psia | | Press Extension √P _m x H _w | Gravity Factor F _g | | Flowing Devi Temperature Factor F | | tor R | | GOR Flow (Cubic Feet/ Barrel) Grav | | |
| | | | | | | | | | | | | | |
| | | | | <u></u> | OPEN FLO | OW) (DELIV | ERABILITY) | CALCUL | ATIONS | | (P.)2 | = 0.207 | |
| (P _c) ² = | | _: | (P _w) ² = | | P _d = | | | - 14.4) + | | : | (P _a) ² | <u>-</u> | |
| $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_q)^2$ | | (P _c) ² - (P _w) ² | | Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ divided by: $P_c^2 - P_a^2$ | LOG of formula 1. or 2. and divide P2. P | | Backpressure Curve Slope = "n" or Assigned Standard Slope | | n x LOG | | Antilog | Open Flow Deliverability Equals R x Antilog Mcfd | |
| | | | | | | | 1 | | | | | | |
| | | | | | S pois | <u> </u> | Deliverabilit | · · · · · · · · · · · · · · · · · · · | | | Mcfd @ 14.65 psia | | |
| Open Flow | | 0000 | authority on | Mcfd @ 14.6 | | es that he i | | | ke the ab | | i that he has know | | |
| | | | | | | | 4 . 1 | | _Mar | | : | , 14/03 | |
| stated ther | ein, an | ia tha | u said report i | s true and corre | JULL EXOCUTO | uno ule | | | | ander | 1 | | |
| | - | | Witness (i | l any) | | | 7 | 7 | | For | Company | * 5.4 | |

For Commission

Checked by

| I declare under penalty or 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 <u>Lobo Production</u> , <u>Inc.</u> and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named. I hereby request a permanent exemption from open flow testing for the <u>Armstrong 1-2</u> gas well on the grounds 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. X is incapable of producing at a daily rate in excess of 150 mcf/D |
| Date: 3/4/03 |
| Signature: |

Instructions:

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.