KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TESTON 1 a

| ··- | | | | | | | | | | | | | ı | KANSAS CO. | Reco: | Form G-2 |
|---|---------------------|-----------------|----------------------------|-----------------|---|---|--|--------------------|-------------------------|--------------------------------|-----------------------|--|--------------|-------------------------|--------------------------------------|---|
| | | | _ | | K | ANSAS | CORI | PC | PATIO | N COM | MISSI | ON RABILIT | | Alou | PORATIO | Form G-2 (9d (Rov. 7/03) N COMMISSION |
| | | | ONE | P | OINT ST | [ABILIZ | ED OF | PE | N FLO | N OR I | DELIVE | RABILIT | Y TE | STUV | 18 | 2014 |
| Type Test | | | | | | (| See Instr | uct | ions on Re | verse Side | ?) | | | ONSERVATI WICHIT | ייט אסו | · <i>U 4</i> |
| = : | en Flov Iiverabi | | | | | Test Date | - | | | | | No. 15 | | THOM | A, KS | ISION |
| Company | | ''.y | | | | 9-9-201 | 4 | | Lease | | 033 | -20921-0 | 003 | • | Well N | ımhor |
| ARE\$ En | | 1., 40 | 05 N. Marienf | | Suite 250, M | | 9701 | | Herd | | | | | 34-14 | | |
| County Comanche | | | Location SWSESW | | | Section 34 | | | TWP 32S | | RNG (E/W) 19W | | | Acres Attributed 160 | | |
| Field Colter West | | | | | Reservoir Cherokee/Johnson/Ft.Sc | | | tt/Pawnee/Marmaton | | Gas Gathering Connection Oneok | | | | - | | |
| Completion Date 7-22-2001 | | • | | | | Plug Back Total Dep 5,200' | | | h | | Packer Set at None | | | | | |
| Casing Size 5-1/2" | | Weight 15.5# | | | Internal Diameter 4,95" | | | Set at 6,098' | | Perforations 4,928' | | | То 5,113' | | | |
| Tubing Si 2.375" | ize | | _ | Weight 4.70# | | | Internal Diameter 1.995" | | | at 93' | Perforations | | | То | | |
| Туре Соп | | | escribe) as + Oil) | | | Type Flui Water | | tion | | | | it or Traveling | Plunge | er? Yes | / No | |
| | - | • | ulus / Tubin | g) | | | arbon Di | oxic | ie et | | % Nitroge | <u> </u> | | Gas Gr | avity - | |
| Annulus | | | <u> </u> | | | | | _ | | | | | | | | |
| Vertical D | epth(H) |) | | | | | Pr | '0 55 | sure Taps | | | | | (Meter I | Run) (P | rover) Size |
| Pressure | Buildup | | Shut in 9-8 | | 2 | 14 at 1: | 15 PM | _ | (AM) (PM) | Taken 9- | 9 | 20 | 14 a | 1:22 P | М | (AM) (PM) |
| Well on L | ine: | 5 | Started 9-9 | | 20 | 14 at 1: | 22 PM | | (AM) (PM) | Taken | | 20 | a | t | | (AM) (PM) |
| | | | | | | | | | D SURFACI | | | <u> </u> | | on of Shut- | 24 | Hours |
| Static / | Orific | - 1 | Circle one: Meter | | Pressure Differential | Flowing | Well Hea | ıd | Cas Wellhead | • | 1 | ibing d Pressure | Di | uration | Liqui | id Produced |
| Dynamic Property | Size (inche | - 1 | Prover Pressi psig (Pm) | ure | in Inches H ₂ 0 | Temperature t | Temperatu t | 11.0 | (P _m) or (P | | 1 | (P ₁) or (P _c) | | Hours) | | Barrels) |
| Shut-in | - | | | | | | | _ | 160 | 174.65 | 125 | | | | | |
| Flow | | | | | | | | | | | | | | | | |
| | . , | | | 1 | | | FLOW S | TR | EAM ATTR | IBUTES | | | · 1 | | <u>-</u> | |
| Plate Coeffied | | | Circle one: Meter or | | Press Extension | Grav | - 1 | Ti | Flowing emperature | | iation | Metered Flov | v | GOR | | Flowing Fluid |
| (F _b) (F _p) | | | Prover Pressure | | ✓ P _m xh | | actor ' | | Factor | | ctor | R (Mcfd) | | (Cubic Feet/ Barrel) | | Gravity |
| Mefd | | | psia | | | <u>- · · · · · · · · · · · · · · · · · · </u> | | | F _{II} | | , | | | | | G _m |
| | | | | | | <u> </u> | | | | | | | | | | |
| (P _c)² = | | _: | (P)² = | | ; | (OPEN FLO | OW) (DEL | _IVE % | | • | ATIONS 14.4 = | : | | (P _a); | ² = 0.2 ² = | 97 |
| (P _c) ² - (I | | (D |)²- (P_)² | Choo | se formula 1 or 2: | | | 1 | Backpre | ssure Curve | _ 1 | | | | | pen Flow |
| or (P _c) ² - (I | | ν. | o/ - (' w/ | | . P _c ²-P _d ² | formula 1. or 2. | | | | 09 = "n" -or | . nxL | og | Α | ntilog | | iverability R x Antilog |
| (P _e) ² - (I | P _d)* | | | | od by: P _c ² -P _e ² | and divide by: | P _c ² -P _w ² | | | signed ard Slope | | L | | | | (Mcfd) |
| | | | | | | _ | | | | | - | | | | | |
| Open Flor | | | | | Mcfd @ 14.0 | 85 nela | | | Deliverab | illity | | | Mefd @ | 14.65 psi | a | |
| | | | L pueb paier . p | | | | totoo the | . h. | | • | alaa Ab | | | | | dodmo of |
| | | | n, and that s | | | | | | | | | ovember | | mat ne na | | 20 <u>14</u> . |
| | | | | | | | | | | | | | | | | |
| | _ | | Witness (| if any | | | | - | - | ···- | | ForC | Company | | | |
| | | | For Comn | nissio | n | | | - | _ | | | Chec | ked by | | | |

| exempt status und | er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator ARES Energy, Ltd. oing pressure information and statements contained on this application form are true and |
|---------------------|---|
| _ | of my knowledge and belief based upon available production summaries and lease records |
| of equipment insta | llation 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 Herd 34-14 |
| gas well on the gro | ounds that said well: |
| staff as necessary | 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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing. |
| Date: November 1 | 0, 2014 |
| | Signature: Michelle Brockman, Engineering Tech |

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.