KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | t: | | | (| See Instruct | ions on Rev | verse Side |) | | | | |
|---|---------------|---|--|--|----------------|---|--|---|-----------------------------|-------------------------------|--------------------------------|---|
| Ор | en Flow | | | Total Date | | | | ADLA | la 45 | | | |
| Deliverabilty | | | Test Date 12/05/13 | | | | API No. 15 15-145-20568 - 0000 | | | | | |
| Company White & Ellis Drilling, Inc. | | | | | <u> </u> | Lease Kellems | Lease | | | Well Number #2 | | |
| County Location Pawnee C S/2 NE NW | | | Section 7 | | TWP 23S | | | V) | ı | Acres Attributed | | |
| Field Zook Extension | | | | Reservoi Mississi | | | | | ering Conn Midstream I | ection Partnership LLC | | |
| Completion Date 02/06/79 | | | | Plug Bac 4150 | k Total Dept | h | Packer Set at | | · | | | |
| Casing Size Weight 4 1/2" 10.5# | | | Internal (3.958 | Diameter | | Set at 4179 | | ations | то 4099 | | | |
| Tubing Size Weight 2.3/8" 4.6# | | | Internal Diameter | | Set at 4140 | | 4091 Perforations | | То | | | |
| Type Completion (Describe) | | | | | d Production | | Pump Unit or Traveling Ves | | | Plunger? Yes | / No | |
| Acid 750 gal-Frac 2000# Producing Thru (Annulus / Tubing) | | | | | arbon Dioxid | de | | | n | Gas Gr | Gas Gravity - G _g | |
| nnulus ertical D | | | | | Press | sure Taps | | | | (Meter I | Run) (P | rover) Size |
| · | | Shut in |)5 | . 13 . 1 | 1:00AM | (44A) (DAA) | 12 | ¹ /06 | | 13 at 11:00A | AM , | |
| Pressure Buildup: Well on Line: | | | t in 20 | | | | | | | | | |
| | | | | | OBSERVE | D SURFACE | F DATA | | | Duration of Shut- | in | Hours |
| Static / | Orifice | Circle one: | Pressure | Flowing | Well Head | Cas | | Tu | bing | | | |
| Oynamic Size Property (inches) | | Meter Prover Pressur psig (Pm) | Differential re in Inches H ₂ 0 | Temperature t | | Wellhead Pressure $(P_w) \propto (P_t) \propto (P_c)$ | | Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia | | Duration (Hours) | Liquid Produced (Barrels) | |
| Shut-In | .375 | | | | | 75 | ранд | poig | psia | 24hrs | | |
| Flow | | | <u> </u> | | | | | | | | <u></u> | |
| | | | | 1 | FLOW STR | EAM ATTR | IBUTES | 1 | | | | |
| Plate Coeffiecient (F _b) (F _p) Mcfd | | Circle one: Meter or Prover Pressure psia | Press Extension P _m x h | Grav Fac | or Temperature | | Deviation Factor F _{pv} | | Metered Flow R (Mcfd) | y GOR (Cubic Fe Barrel) | | Flowing Fluid Gravity G _m |
| | | | | | | | | | | | | <u> </u> |
| D 12 | | /P. \2 | _ | - | OW) (DELIV | | | | | | ² = 0.2 | :07 |
| P _c) ² = | : | (P _w) ^z =_ | Choose formula 1 or 2: | P _d = | ` | | ² _c - 14.4) + | +4.4 = | : | (P _d) | T | |
| $(P_c)^2 - (P_d)^2$ or $(P_c)^2 - (P_d)^2$ | | (P _c) ² - (P _w) ² | 1. P _a ² - P _a ² 2. P _a ² - P _a ² (wided by: P _a ² - P _a ² | P ² -P ² LOG of formula P ² -P ² 1. or 2. and divide | | Backpres Slop Pc-p2 Ass Standa | | n x L(| og _ | Antilog | Antilog Ope Deliv Equals | |
| | | | | | | | | | | | | |
| | | | **** | | | | | | | | | |
| Open Flor | W | ···· | Mcfd @ 14. | os psia | | Deliverab | ility | | | Mcfd @ 14.65 psi | a | |
| The u | undersign | ed authority, on | behalf of the | Company, | states that h | e is duly au | | | - | ort and that he ha | 17 | - |
| e facts s | tated the | rein, and that sa | id report is true | and correc | t. Executed | this the 10 | Oth | day of | cember | | <u>Z</u> , | 20 13 |
| 10 | lian | L Mitness (if | Vosles | | | _ | 4 | 404 | My For | Compared | KCC | WICH |
| | | For Commi | ssion | | | - | | | | cked by | -DE(| C 17 2 0 |
| | | | • | | | | | | 2.10 | • | | • |
| | | | | | | | | | | | L | RECEIVE |

| exempt status under Rule K.A.F. and that the foregoing pressure correct to the best of my knowle of equipment installation and/or | Derjury under the laws of the state of Kansas that I am authorized to request .82-3-304 on behalf of the operator White & Ellis Drilling, Inc. The information and statements contained on this application form are true and dge and belief based upon available production summaries and lease records upon type of completion or upon use being made of the gas well herein named. The exemption from open flow testing for the Kellems #2 |
|--|---|
| gas well on the grounds that sa | |
| is cycled on is a source of is on vacuur is not capab I further agree to supply to | methane producer plunger lift due to water of natural gas for injection into an oil reservoir undergoing ER of at the present time; KCC approval Docket No le of producing at a daily rate in excess of 250 mcf/D the best of my ability any and all supporting documents deemed by Commission te this claim for exemption from testing. |
| Date: 12/10/13 | _ |
| | Signature: |

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.

KCC WICHITA

DEC 17 2013