Form G-2
(Rev. 7/03)

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# KANSAS CORPORATION COMMISSION
# ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

*(See Instructions on Reverse Side)*

Type Test:
- [x] Open Flow
- [ ] Deliverabilty

Test Date: 11-27-12

API No. 15: 077-21639-00-00

| Company | Lease | Well Number |
|---|---|---|
| Union Valley Petroleum Corporation | Jack | 1-35 |

| County | Location | Section | TWP | RNG (E/W) | Acres Attributed |
|---|---|---|---|---|---|
| Harper | SESWNW | 35 | 33S | 6W | 80 |

| Field | Reservoir | Gas Gathering Connection |
|---|---|---|
| Anthony | Mississippi | Atlas |

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| Completion Date | Plug Back Total Depth | Packer Set at |
|---|---|---|
| 11-26-08 | 4448 | none |

| Casing Size | Weight | Internal Diameter | Set at | Perforations | To |
|---|---|---|---|---|---|
| 4.5 | 11.6 | 3.996 | 4463 | 4432 | 4430 |

| Tubing Size | Weight | Internal Diameter | Set at | Perforations | To |
|---|---|---|---|---|---|
| 2.375 | 4.7 | 1.996 | 4407 | | |

| Type Completion (Describe) | Type Fluid Production | Pump Unit or Traveling Plunger? Yes / No |
|---|---|---|
| single | water/oil | pumping unit |

| Producing Thru (Annulus / Tubing) | % Carbon Dioxide | % Nitrogen | Gas Gravity - $G_g$ |
|---|---|---|---|
| Annulas | .1803 | 4.269 | .6910 |

Vertical Depth(H) | Pressure Taps | (Meter Run) (Prover) Size

Pressure Buildup: Shut in 11-27 20 12 at 1000 am (AM) (PM) Taken 11-28 20 12 at 1000 am (AM) (PM)

Well on Line: Started _____ 20 ____ at _____ (AM) (PM) Taken _____ 20 ____ at _____ (AM) (PM)

**OBSERVED SURFACE DATA** Duration of Shut-in _____ Hours

| Static / Dynamic Property | Orifice Size (inches) | Circle one: Meter Prover Pressure psig (Pm) | Pressure Differential in Inches $H_2O$ | Flowing Temperature t | Well Head Temperature t | Casing Wellhead Pressure ($P_w$) or ($P_t$) or ($P_c$) psig | Casing Wellhead Pressure psia | Tubing Wellhead Pressure ($P_w$) or ($P_t$) or ($P_c$) psig | Tubing Wellhead Pressure psia | Duration (Hours) | Liquid Produced (Barrels) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Shut-In | | | | | | | 370 | | | | |
| Flow | | | | | | | | | | | |

**FLOW STREAM ATTRIBUTES**

| Plate Coefficient ($F_b$) ($F_p$) Mcfd | Circle one: Meter or Prover Pressure psia | Press Extension $\sqrt{P_m x h}$ | Gravity Factor $F_g$ | Flowing Temperature Factor $F_{tt}$ | Deviation Factor $F_{pv}$ | Metered Flow R (Mcfd) | GOR (Cubic Feet/ Barrel) | Flowing Fluid Gravity $G_m$ |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

**(OPEN FLOW) (DELIVERABILITY) CALCULATIONS**

$(P_c)^2$ = _____ : $(P_w)^2$ = _____ : $P_d$ = _____ % $(P_c - 14.4) + 14.4$ = _____ : $(P_a)^2$ = 0.207 $(P_d)^2$ = _____

| $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$ | $(P_c)^2 - (P_w)^2$ | Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$ | LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$ | Backpressure Curve Slope = "n" or Assigned Standard Slope | n x LOG | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |

Open Flow _____ Mcfd @ 14.65 psia Deliverability _____ Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 12 day of December, 20 12.

Witness (if any)

For Company

For Commission

Checked by

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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 Union Valley Petroleum Corporation 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 Jack#1-35 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 Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 12-12-12

Signature: _____

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.

95401063 Jack #1
Analysis

Date-Time: 09/20/12 09:36 Analysis Time: 230 Cycle Time: 240
Stream: 1 Stream 1 Mode: ANLY Cycle Start Time: 09:32
Analyzer: 204295 Strm Seq:1
95401063 H2S 0.0
PSIG 68.8 TEMP 71.1

| Component Name | Mole Percent | Gallons/ 1000 SCF | BTU Gross | Relative Density |
|---|---|---|---|---|
| C6+ 47/35/17 | 0.4367 | 0.1948 | 23.09 | 0.0145 |
| PROPANE | 3.4558 | 0.9518 | 87.15 | 0.0526 |
| i-BUTANE | 0.4448 | 0.1455 | 14.50 | 0.0089 |
| n-BUTANE | 1.1982 | 0.3777 | 39.18 | 0.0240 |
| i-PENTANE | 0.2604 | 0.0952 | 10.44 | 0.0065 |
| n-PENTANE | 0.3497 | 0.1267 | 14.05 | 0.0087 |
| NITROGEN | 4.2692 | 0.0000 | 0.00 | 0.0413 |
| METHANE | 81.8760 | 0.0000 | 828.86 | 0.4535 |
| CARBON DIOXIDE | 0.1803 | 0.0000 | 0.00 | 0.0027 |
| ETHANE | 7.5290 | 2.0130 | 133.55 | 0.0782 |
| TOTALS | 100.0000 | 3.9048 | 1150.83 | 0.6910 |

'*' indicates user-defined components

Compressibility Factor (1/Z) @ 14.73000 PSIA & 60.0 DEG.F= 1.00297

Base Pressures 14.73000

| | | | |
|---|---|---|---|
| Gross Dry BTU | = | 1154.25 | Corrected/Z |
| Gross SAT BTU | = | 1134.16 | Corrected/Z |
| Gallons/1000 SCF C2+ | = | 3.9048 | |
| Gallons/1000 SFC C3+ | = | 1.8918 | |
| Gallons/1000 SCF C4+ | = | 0.9399 | |
| Gallons/1000 SCF C5+ | = | 0.4168 | |
| Gallons/1000 SCF C6+ | = | 0.1948 | |
| Real Relative Density Gas | = | 0.6927 | |
| Unnormalized Mole Percent | = | 100.140 | |

ACTIVE ALARMS
None

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BACHMAN Services, Inc. 800.722.8296

Jim.
This well has just been changed To Gas well for 2012.
Thanks Pam