

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
09/13 to 09/14/10

API No. 15
025-21,502-00-00

| | | | | | |
|---|-----------------------------|--------------------------------------|-----------------------|---|-------------------|
| Company Falcon Exploration | | Lease YBC | | Well Number 2-34 (NW) | |
| County Clark | Location NESWSENW | Section 34 | TWP 30S | RNG (E/W) 22W | Acres Attributed |
| Field Cat Creek | | Reservoir Morrow Sand | | Gas Gathering Connection Lost River | |
| Completion Date 8/04/10 | | Plug Back Total Depth 5285 | | Packer Set at none | |
| Casing Size 5.5 | Weight | Internal Diameter | Set at 5550 | Perforations 5255 | To 5260 |
| Tubing Size 2.375 | Weight | Internal Diameter | Set at 5296 | Perforations | To |
| Type Completion (Describe) single | | Type Fluid Production none | | Pump Unit or Traveling Plunger? Yes / No no | |
| Producing Thru (Annulus / Tubing) Tubing | | % Carbon Dioxide .0931 | | % Nitrogen 8.4185 | |
| Gas Gravity - G _g .666 | | Vertical Depth(H) | | Pressure Taps Flange | |
| | | | | (Meter Run) (Prover) Size 3" | |
| Pressure Buildup: Shut in 09/10 20 10 at 9:15 am (AM) (PM) Taken 09/13 20 10 at 9:15 am (AM) (PM) | | | | | |
| Well on Line: Started 09/13 20 10 at 9:30 am (AM) (PM) Taken 09/14 20 10 at 9:30 am (AM) (PM) | | | | | |

OBSERVED SURFACE DATA

Duration of Shut-in **72** Hours

| Static / Dynamic Property | Orifice Size (inches) | Circle one: Meter Prover Pressure psig (Pm) | Pressure Differential in Inches H ₂ O | Flowing Temperature t | Well Head Temperature t | Casing Wellhead Pressure (P _w) or (P _i) or (P _c) | | Tubing Wellhead Pressure (P _w) or (P _i) or (P _c) | | Duration (Hours) | Liquid Produced (Barrels) |
|---------------------------|-----------------------|--|--|-----------------------|-------------------------|--|--------|--|--------|------------------|---------------------------|
| | | | | | | psig | psia | psig | psia | | |
| Shut-in | | | | | | 1321 | 1335.4 | 1321 | 1335.4 | 72 | |
| Flow | 1.500 | 69 | 47.3 | 66 | | 1086 | 1100.4 | 1086 | 1100.4 | 24 | 0 |

FLOW STREAM ATTRIBUTES

| Plate Coefficient (F _b) (F _p) Mcfd | Circle one: Meter or Prover Pressure psia | Press Extension $\sqrt{P_m \times h}$ | 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 |
|--|--|---------------------------------------|-------------------------------|--|----------------------------------|-----------------------|--------------------------|--------------------------------------|
| 11.41 | 83.4 | 62.81 | 1.225 | .9943 | ----- | 873 | | .666 |

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 1783.293 ; (P_w)² = 1210.880 ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_a)² = 0.207 ; (P_d)² = _____

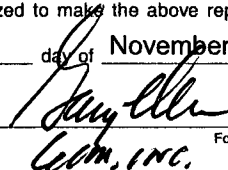
| (P _c) ² - (P _a) ² or (P _c) ² - (P _d) ² | (P _c) ² - (P _w) ² | Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ² | LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$ | Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope | n x LOG [] | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) |
|--|---|---|--|---|-------------|---------|--|
| 1783.086 | 572.413 | 3.115 | .4943 | .815 | .4028 | 2.53 | 2208 |

Open Flow **2208** Mcfd @ 14.65 psia X .50 = Deliverability **1104** 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 12th day of November, 20 10.

Witness (if any)

For Commission



For Company
Checked by

RECEIVED
NOV 16 2010
KCC WICHITA

FIELD DATA SHEET

Pumper:

Phone#:

| | | |
|---|-------------------------|-------------------------|
| Type Test: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special | | Test Date: 9/13/10 |
| Company: FALCON EXPL. | | Connection: Lost River |
| Field: MORAN | | Location: |
| Completion Date: | Total Depth: | Plug Back TD: |
| Elevation: | Farm or Lease Name: YBC | |
| Csg. Size: 2.375 | Wt.: | d: |
| Set At: | Perforations: From To: | |
| Well No.: | 2-34 NW | |
| Sec.: | Top - Blk: | Rge - Sur: |
| Type Completion (Describe): SINGLE | Packer Set At: | |
| County or Parish: CLARK | State: KS | |
| Producing Thru: TP6 | Reservoir Temp. F: | Mean Annual Temp. F: 60 |
| Daro. Press. - P _g : | 14.4 | |
| Prover: | Meter Run: | Tags: |
| | 3' | FL6 |

| DATE | ELAP. TIME | WELLHEAD WORKING PRESSURE | | | METER OR PROVER | | | | REMARKS |
|-------|------------|---------------------------|-----------|-----|-----------------|-------|---------|---------|----------------------------------|
| | | Tbg. Psig | Csg. Psig | Δ P | Pressure Psig | Diff. | Temp. F | Orifico | |
| 9:15 | 72 | 1321 | 1321 | | | | | | |
| 9:30 | | | | | | | | 1.500 | COMMENCE TEST |
| 9:45 | | 1312 | 1312 | | 67 | 3.6 | 81 | | |
| 10:00 | | 1294 | 1294 | | 70 | 23.7 | 81 | | |
| 10:15 | | 1261 | 1261 | | 58 | 26.6 | 79 | | |
| 10:30 | | 1234 | 1234 | | 74 | 68.2 | 72 | | |
| 10:45 | | 1211 | 1214 | | 78 | 65.1 | 71 | | |
| 11:00 | | 1186 | 1189 | | 79 | 62.4 | 70 | | |
| 11:15 | | 1155 | 1160 | | 100 | 99.9 | 68 | | 2.5000 1281 |
| 11:30 | | 1127 | 1128 | | 101 | 104.3 | 68 | | 5.0000 1255 |
| 11:45 | | 1090 | 1100 | | 102 | 103.5 | 67 | | 7.5000 1222 |
| 12:00 | | 1050 | 1061 | | 113 | 143.4 | 67 | | 10.0000 1189 |
| 12:15 | | 1021 | 1034 | | 115 | 146.9 | 66 | | 12.5000 1156 |
| 12:30 | | 1000 | 1013 | | 117 | 146.1 | 66 | | 15.0000 1123 |
| | | | | | | | | | 17.5000 1090 |
| | | | | | | | | | 20.0000 1057 |
| 12:30 | | | 1092 | | 88 | 39.7 | 74 | | 25.0000 991 |
| | | | | | | | | | > SET 1PT RATE |
| 9:30 | | 1086 | 1086 | | 69 | 47.3 | 66 | | > 9/14/10 |
| 0.0 | | | | | | | | | |
| 0.5 | | | | | | | | | Begin 30 minute wellhead buildup |
| 1.0 | | | | | | | | | |
| 1.5 | | | | | | | | | |
| 2.0 | | | | | | | | | |
| 3.0 | | | | | | | | | |
| 4.0 | | | | | | | | | |
| 5.0 | | | | | | | | | |
| 6.0 | | | | | | | | | |
| 7.0 | | | | | | | | | |
| 8.0 | | | | | | | | | |
| 9.0 | | | | | | | | | |
| 10.0 | | | | | | | | | |
| 15.0 | | | | | | | | | |
| 20.0 | | | | | | | | | |
| 25.0 | | | | | | | | | |
| 30.0 | | | | | | | | | |

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