

KANSAS CORPORATION COMMISSION

Form G-2
(Rev. 7/03)

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: ANNUAL-REVISED

Open Flow

Test Date: 3/3/2010

API No. 15 - 119-20492-00-00

Deliverability

| | | | | | |
|---|------------------------|--|---------------------------------|--|--------------------|
| Company EOG RESOURCES, INC. | | Lease THEIS | | Well Number 13 #1 | |
| County MEADE | Location N/2 | Section 13 | TWP 35S | RNG (E/W) 26W | Acres Attributed |
| Field McKINNEY | | Reservoir CHESTER, MORROW, ATIKA, PAWNEE | | Gas Gathering Connection GPM GAS CORPORATION | |
| Completion Date 4/10/99 | | Plug Back Total Depth 6290' | | Packer Set at 6140' | |
| Casing Size 4 1/2 | Weight 10.5# | Internal Diameter 4.052 | Set at 6363' | Perforations 5628' | To 6265' |
| Tubing Size 2 3/8 | Weight 4.7# | Internal Diameter 1.995 | Set at 6153' | Perforations | To |
| Type Completion (Describe) Commingled (Gas) | | Type Fluid Production WTR | Pump Unit or Traveling Plunger? | | Yes / No X |
| Producing Thru (Annulus / Tubing) TUBING & CASING | | % Carbon Dioxide 0.186 | % Nitrogen 2.604 | Gas Gravity-G _g .7113 | |
| Vertical Depth (H) 5947 | | Pressure Taps FLG | | (Meter Run) (Prover) Size 3.068 | |
| Pressure Buildup: | Shut in 3/3 | at 6:00 AM | taken 3/4 | at 6:00 AM | |
| Well on Line: | Started 3/4 | at 8:00 AM | taken 3/5 | at 8:00 AM | |

OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

| Static/Dynamic Property | Orifice Size Inches | Circle One Meter or Prover Pressure psig | Pressure Differential in (h) inches H ₂ O | Flowing Temperature t | Well Head Temperature t | Casing Wellhead Pressure (P ₁) or (P ₂) (P ₂) | | Tubing Wellhead Pressure (P ₁) or (P ₂) (P ₂) | | Duration (Hours) | Liquid Produced (Barrels) |
|-------------------------|---------------------|--|--|-----------------------|-------------------------|---|------|---|-------|------------------|---------------------------|
| | | | | | | psig | psia | psig | psia | | |
| Shut-in | | | | | | 0 | | 250 | 264.4 | 24 | |
| Flow | 0.375 | 71 | 21 | 64 | | 0 | | 71 | 85.4 | 24 | |

FLOW STREAM ATTRIBUTES

| Plate Coefficient (F _p)(F _d) Mcfd | Circle One Meter or Prover Pressure psig | Press Extension $\sqrt{P_m \times h_w}$ | Gravity Factor F _g | Flowing Temperature Factor F _t | Deviation Factor F _{pv} | Metered Flow R (Mcfd) | GOR (Cubic Feet/Barrel) | Flowing Fluid Gravity |
|---|--|---|-------------------------------|---|----------------------------------|-----------------------|-------------------------|-----------------------|
| .6848 | 85.4 | 42.35 | 1.1857 | .9962 | 1.005 | 34 | | |

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(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 = 69.9$; $(P_w)^2 = 7.3$; $P_d =$ _____ % $(P_c - 14.4) + 14.4 =$ _____; $(P_c)^2 = 0.26$; $(P_w)^2 =$ _____

| $\frac{(P_c)^2 (P_w)^2}{(P_c)^2 (P_w)^2}$ | $(P_c)^2 - (P_w)^2$ | Choose formula 1 or 2: 1. $\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$ 2. $\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$ 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 = "Y" or Assigned Standard Slope | n x LOG [] | Antilog | Open Flow Deliverability Equals R x Antilog Mcfd |
|---|---------------------|---|---|---|-------------|---------|--|
| 69.7 | 62.61 | 1.11648 | .047850 | .850 | .040673 | 1.09818 | 38 |

KCC WICHITA

Open Flow **38** 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 **23RD** day of **FEBRUARY**, 20 **11**.

Witness (if any) _____
For Commission _____
EOG RESOURCES, INC.
OKC DIVISION
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For Company
Checked by _____

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 EOG RESOURCES, INC. 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 THEIS 13 #1 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: 2/23/2011

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Signature: *Diana Thompson* KCC WICHITA
DIANA THOMPSON

Title SR. OPERATIONS ASSISTANT

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 for annual test results.



EOG Resources, Inc.
3817 NW Expressway
Suite 500
Oklahoma City, OK 73112-1483
(405) 246-3100

March 2, 2011

Kansas Corporation Commission
Attn: Mr. Jim Hemmen
Conservation Division, Finney State Office Building
130 S. Market, Room 2078
Wichita, Kansas 67202-3802

Re: Theis 13 #1
One Point Open Flow Test

Dear Mr. Hemmen,

Attached, please find the attached One Point Open Flow Test requested on the above referenced well.

If there are any questions, please contact me at (405) 246-3196 or email Diana_thompson@eogresources.com.

Sincerely,

A handwritten signature in cursive script that reads "Diana Thompson".

Diana Thompson
Sr. Operations Assistant
EOG Resources, Inc.

Attachments:

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