

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: Open Flow

SEP 30 2011 Test Date: 09/15/2011

API No. 15 - 189-22640-0000

Deliverability

KCC DODGE CITY

Company EOG RESOURCES, INC.		Lease S&S		Well Number 27 #2	
County STEVENS	Location SE NW SE NE	Section 27	TWP 32S	RNG (E/W) 36W	Acres Attributed
Field TORONTO			Gas Gathering Connection DCP MIDSTREAM, LP		
Completion Date 4/26/10		Plug Back Total Depth 6509' EST.		Packer Set at N/A	
Casing Size 5 1/2	Weight 15.5#	Internal Diameter 4.825	Set at 6556'	Perforations 4153'	To 4163'
Tubing Size 2 3/8	Weight 4.7#	Internal Diameter 1.995	Set at 4138'	Perforations	To
Type Completion (Describe) SINGLE		Type Fluid Production WATER / OIL		Pump Unit or Traveling Plunger? Yes / No X	
Producing Thru (Annulus / Tubing) TUBING		% Carbon Dioxide .004		% Nitrogen 10.744	
Gas Gravity-G _g .6796		Vertical Depth (H) 4158'		Pressure Taps FLG.	
				(Meter Run) (Packer) Size 3.068	

RECEIVED

OCT 07 2011

KCC WICHITA

Pressure Buildup: Shut in 09/12 20 11 at 10:00 taken 09/15 20 11 at 10:00

Well on Line: Started 09/15 20 11 at 10:00 taken 09/16 20 11 at 10:00

OBSERVED SURFACE DATA

Duration of Shut-in 72 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 _w) or (P _f)(P _c)		Tubing Wellhead Pressure (P _w) or (P _f)(P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in					74	803	817.4	803	817.4	72	
Flow	1.625	50.0	44.7	61	74	205	219.4	108	122.4	24	0.83

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p)(F _p) 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 G _m
13.58	64.4	53.653	1.213	.9990	1.006	888	1,100	

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 = 668.1$; $(P_w)^2 = 48.14$; $P_d = \text{---} \%$ $(P_c - 14.4) + 14.4 = \text{---}$; $(P_d)^2 = 0.207$; $(P_d)^2 = .207$

$\frac{(P_c)^2 (P_w)^2}{(P_c)^2 (P_w)^2}$	$(P_c)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 - P_w^2$ 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 = "n" or Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd
667.9	620.0	1.07764	.032473	1.000	.032473	1.07764	.957

Open Flow 957 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 20 day of SEPTEMBER, 20 11

Witness (if any)

For Commission

J. W. Thurmond
THURMOND-MCGLOTHLIN, INC
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 _____ 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 _____ 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: _____

Signature: _____

Title _____

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.