

Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Form G 2
(Rev. 7/03)

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date: **11/06/2012** API No. **15081219270000**

Company OXY USA Inc		Lease LANGBOTHAM 5			Well Number	
County Haskell	Location 330' FSL & 1070' FWL	Section 3	TWP 30S	RNG (E/W) 32W	Acres Attributed 640	
Field LOCKPORT		Reservoir St Louis		Gas Gathering Connection Oneok Field Services		
Completion Date 02/11/2011		Plug Back Total Depth 5,634'		Packer Set at		
Casing Size 5 1/2"	Weight 17.0#	Internal Diameter 4.892"	Set at 5,688'	Perforations 5,552'	To 5,561'	
Tubing Size 2 3/8"	Weight 4.7#	Internal Diameter 1.995"	Set at 5,612'	Perforations	To	
Type Completion (Describe) SINGLE-GAS		Type Fluid Production Oil/WATER		Pump Unit or Traveling Plunger?		Yes / No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide 0.083%		% Nitrogen 11.866%		Gas Gravity Gg 0.7
Vertical Depth (H) 5,557'		Pressure Taps Flange		(Meter Run) (Prover) Size 3.068"		
Pressure Buildup: Shut in 11/03 20 12 at 9:00 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM Taken 11/06 20 12 at 9:00 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM						
Well on Line: Started 11/05 20 12 at 9:00 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM Taken 11/06 20 12 at 9:00 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM						

OBSERVED SURFACE DATA Duration of Shut in **72** Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter or 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 _c) or (P _e)		Tubing Wellhead Pressure (P _w) or (P _c) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut In						330.0	344.4	110.0	124	72	0
Flow	1.500	34.3	16.9	71	71	300.0	314.4	110.0	124.4	24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (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 _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/Barrel)	Flowing Fluid Gravity G _m
11.4100	48.7	28.69	1.1952	0.9896	1.0040	389	None	0.717

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = **118.6** (P_w)² = **98.8** P_d = _____ % (P_c 14.4) + 14.4 = _____ (P_w)² = **0.207**
(P_d)² = **0**

(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:	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
118.4	19.8	5.9764	0.7764	0.6305	0.4895	3.0867	1201

Open Flow **1,201** 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 **28** day of **March**, **2013**

Witness

For Commission

RECEIVED
KANSAS CORPORATION COMMISSION
For Company
David Ogden - OXY USA Inc.
Checked by

APR 05 2013

CONSERVATION DIVISION
WICHITA, KS

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 _____ 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 a 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 the 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 31st 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.

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CONSERVATION DIVISION
WICHITA, KS



David Ogden
Mid-Continent Business Unit

OXY USA Inc.
P. O. Box 27570 Houston, Texas 77227-7570

Phone 713.350.4781
Fax 713.350.4873

April 1, 2013

Jim Hemmen
Finney State Office Building
130 South Market Street, Room 2078
Wichita, Kansas 67202-3802

RE: Longbotham 5

Dear Mr. Hemmen:

Enclosed you will find the revised 2012 Form G-2 for the following well:

Longbotham 5
15-081-21927-0000
Section 3, Township 30S, Range 32W
Haskell County, Kansas

If you have questions, need additional information or would like to discuss the contents of this packet, please feel free to contact me.

Regards,

David Ogden
Gas Business Coordinator
Mid-Continent Business Unit
Occidental Oil & Gas

Enclosures: 2012 Form G-2

Cc: Well Test File

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