Kansas Corporation Commission
One Point Stabilized Open Flow or Deliverability Test

Form G 2
(Rev. 7/03)

(See Instructions on Reverse Side)

Type Test:
☑ Open Flow
☐ Deliverability

Test Date: **05/19/2013** API No. **15081217530000**

Company	Lease	Well Number
OXY USA Inc	**REDD 4-B8-30-32**	

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Haskell		**8**	**30S**	**32W**	**640**

Field	Reservoir	Gas Gathering Connection
LOCKPORT	**Chester**	**OXY USA**

Completion Date	Plug Back Total Depth	Packer Set at
10/16/2007	**5,510'**	

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5 1/2"	**15.5#**	**4.950"**	**5,773'**	**5,318'**	**5,337'**

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2 3/8"	**4.7#**	**1.995"**	**5,289'**		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
SINGLE-GAS	**WATER**	☐ Yes ☑ No

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity Gg
Tubing	**0.316%**	**13.696%**	**0.733**

Vertical Depth (H)	Pressure Taps	(Meter Run) (Prover) Size
5,328'	**Flange**	**3.068"**

Pressure Buildup: Shut in **05/15** 20 **13** at **9:00** ☑ AM ☐ PM Taken **05/19** 20 **13** at **9:00** ☑ AM ☐ PM

Well on Line: Started **05/18** 20 **13** at **9:00** ☑ AM ☐ PM Taken **05/19** 20 **13** at **9:00** ☑ 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_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Casing psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing psia	Duration (Hours)	Liquid Produced (Barrels)
Shut In						0.0	0.0	300.0	314	72	0
Flow	1.000	45	40	72	72	0.0	0.0	270.0	284.4	24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m x h}$	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
4.9120	**59.4**	**48.74**	**1.1680**	**0.9887**	**1.0051**	**278**	**None**	**0.717**

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = **98.8** : $(P_w)^2$ = **80.9** : P_d = ____ % (Pc 14.4) + 14.4 = ____ : $(P_a)^2$ = **0.207** $(P_d)^2$ = **0**

(Pc)2 (Pa)2 or (Pc)2 (Pd)2	(Pc)2 (Pw)2	Choose Formula 1 or 2: 1. Pc2 Pa2 2. Pc2 Pd2 divided by: Pc2 Pw2	LOG of formula 1. or 2. and divide by:	[Pc2 Pw2]	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG	[ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
98.6	**17.9**	**5.4938**	**0.7399**		**0.6320**	**0.4676**		**2.9349**	**816**

Open Flow **816** 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 **December** **2013**.

Witness

OXY USA INC
For Company

For Commission

Aimee Lannou Aimee Lannou
Checked by

KCC WICHITA

JAN 23 2014

RECEIVED

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

Aimee Lannou
Mid-Continent Business Unit

Phone 713.215-7089
Fax 713.350.4873

January 22, 2014

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

RE: Annual Well Tests

Dear Mr. Hemmen:

Enclosed you will find the corrected well test for the Redd 4-B8-30-32.

Please let me know if you have any questions.

Regards,

Aimee Lannou
Gas Business Coordinator
Mid-Continent Business Unit
OXY USA Inc.
aimee_lannou@oxy.com

Enclosures: 2012 Form G-2
Cc: Well Test File