Kansas Corporation Commission
One Point Stabilized Open Flow or Deliverability Test

Form G 2
(Rev. 7/03)

Type Test: *(See Instructions on Reverse Side)*

☑ Open Flow ☐ Deliverability

Test Date: **08/17/2010** API No. **15081218330000**

Company	Lease	Well Number
OXY USA Inc	**IHLOFF C 4**	**(ROWLAND C-3)**

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Haskell	**1950' FNL & 1650' FEL**	**14**	**30S**	**32W**	**640**

Field	Reservoir	Gas Gathering Connection
UNASSIGNED	**Chester**	**REGENCY**

Completion Date	Plug Back Total Depth	Packer Set at
12/08/2008	**5,740'**	

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5 1/2"	**17.0#**	**4.892"**	**5,800'**	**5,357'**	**5,456'**

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2 3/8"	**4.7#**	**1.995"**	**5,329'**		

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	**0.243%**	**9.842%**	**0.723**

Vertical Depth (H)	Pressure Taps	(Meter Run) (Prover) Size
5,407'	**Flange**	**3.068"**

Pressure Buildup: Shut in **08/13** 20 **10** at **9:00** ☑ AM ☐ PM Taken **08/16** 20 **10** at **9:00** ☑ AM ☑ PM

Well on Line: Started **08/16** 20 **10** at **9:00** ☐ AM ☐ PM Taken **08/17** 20 **10** 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 Wellhead Pressure psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing Wellhead Pressure psia	Duration (Hours)	Liquid Produced (Barrels)
Shut In						516.0	530.4	514.0	528.4	72	0
Flow	1.500	70	46.2	79	74	390.0	404.4	188.0	202.4	24	52

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_{ft}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/Barrel)	Flowing Fluid Gravity G_m
11.4100	**84.4**	**62.44**	**1.1761**	**0.9822**	**1.0073**	**829**	**15,942**	

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = **281.3** : $(P_w)^2$ = **163.5** : 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)
281.1	**117.8**	**2.3858**	**0.3776**	**0.9660**	**0.3648**	**2.3163**	**1920**

Open Flow **1,920** 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 **22** day of **December**, **2010**

RECEIVED
JAN 07 2011
KCC WICHITA

Witness — For Company: **OXY USA INC**

For Commission — Checked by: **Tom Acton - OXY USA Inc.**

State of Kansas - Corporation Commission
Multipoint Back Pressure Test

Form CG-1
(Rev. 10/96)

Type Test: ☑ Initial ☐ Annual ☐ Special Test Date: **08/17/2010**

Company	Lease	Well Number
OXY USA Inc	**IHLOFF C 4**	**(ROWLAND C-3)**

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Haskell	**1950' FNL & 1650' FEL**	**14**	**30S**	**32W**	**640**

API No.	Reservoir	Pipeline Connection
15081218330000	**Chester**	**REGENCY**

Completion Date	Plug Back Total Depth	Packer Set at
01/00/1900	**5,740'**	

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5 1/2"	**17.0#**	**4.892"**	**5,800'**	**5,357'**	**5,456'**

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2 3/8"	**4.7#**	**1.995"**	**5,329'**		

Type Completion (Describe)	Type Fluid Production
SINGLE -GAS	**WATER**

Producing Thru (Annulus / Tubing)	Reservoir Temperature °F	BAR PRESS -P_a
Tubing	**133**	**14.4 Psia**

Gas Gravity - G_g	% Carbon Dioxide	% Nitrogen
0.723	**0.243%**	**9.842%**

Vertical Depth (H)	Type Meter Connection	(Meter Run) (Prover) Size
5,407'	**Flange**	**3.068"**

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

Rate No	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					**74**	**516.0**	**530.4**	**514.0**	**528.4**	**72**	
1	**1.500**	**61.8**	**6.9**	**72.2**	**74**	**492.0**	**506.4**	**485.0**	**499.4**	**1**	**0**
2	**1.500**	**64.1**	**26.5**	**74.9**	**74**	**467.0**	**481.4**	**250.0**	**264.4**	**1**	**0**
3	**1.500**	**69.5**	**56.4**	**72.2**	**74**	**439.0**	**453.4**	**219.0**	**233.4**	**1**	**0**
4	**1.500**	**73.1**	**93**	**71**	**74**	**410.0**	**424.4**	**153.0**	**167.4**	**1**	**0**
5											

RATE OF FLOW CALCULATIONS

Rate No	Plate Coefficient (F_b) (F_p) Mcfd	*Circle One: Meter Prover Pressure psia*	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F_g	Flowing Temperature Factor F_{ft}	Deviation Factor F_{pv}	Rate of Flow Q Mcfd	GOR (Cubic Feet/Barrel)	Flowing Fluid Gravity G_m
1	**11.41**	**76.2**	**22.93**	**1.1761**	**0.9885**	**1.007**	**306**		
2	**11.41**	**78.5**	**45.61**	**1.1761**	**0.986**	**1.007**	**608**		
3	**11.41**	**83.9**	**68.79**	**1.1761**	**0.9885**	**1.008**	**919**		
4	**11.41**	**87.5**	**90.21**	**1.1761**	**0.9896**	**1.008**	**1207**		
5									

PRESSURE CALCULATIONS

Rate No	P_t Psia	P_c Psia	P_w Psia	$(P_c)^2$ Thousands	$(P_w)^2$ Thousands	Plotting Points $(P_c)^2 - (P_w)^2$ Thousands	Plotting Points Q Mcfd	% Shut-In $100 \frac{(Pw - Pa)}{(P_c - P_a)}$
1		**530.4**	**506.4**	**281.3**	**256.4**	**24.9**	**306**	**95.3%**
2		**530.4**	**481.4**	**281.3**	**231.7**	**49.6**	**608**	**90.5%**
3		**530.4**	**453.4**	**281.3**	**205.6**	**75.8**	**919**	**85.1%**
4		**530.4**	**424.4**	**281.3**	**180.1**	**101.2**	**1207**	**79.5%**
5								

Indicated Wellhead Open Flow **3,272** Mcfd @ 14.65 psia "n" = **0.976**

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 **22** day of **December**, **2010**.

Witness (If any)

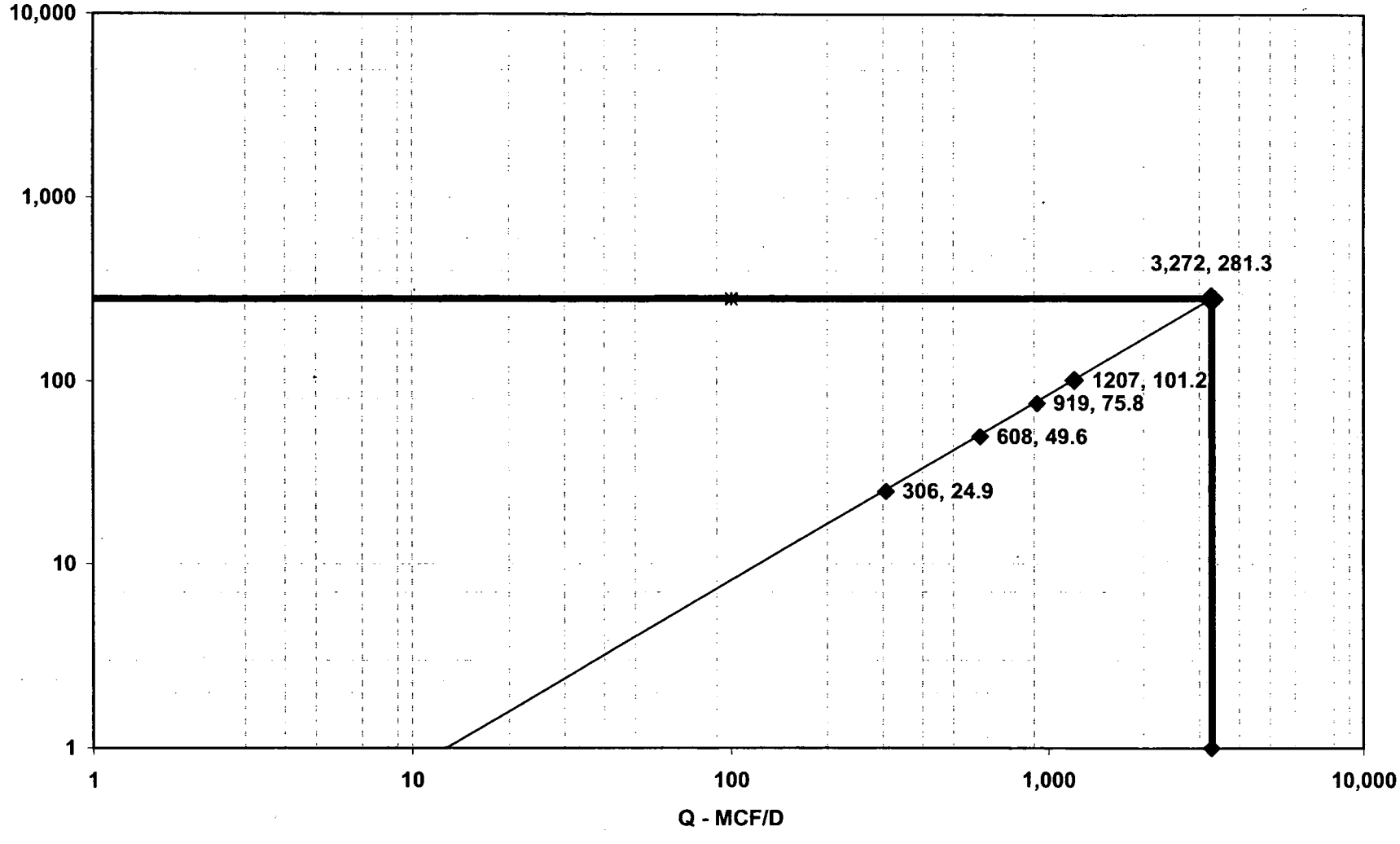
For Commission

RECEIVED
JAN 07 2011
KCC WICHITA

OXY USA INC.
For Company

Tom Acton - OXY USA Inc
Checked by

IHLOFF C 4 Section 14, T30S, R32W Haskell County, Kansas



Gas Analysis Certificate Report

Well Name:	**IHLOFF C-4**	**Alternate ID:**	
Analysis ID:		**Company Name:**	**OXY USA Inc.**

Effective Date:	7/14/10 11:07 AM	**Saturated HV:**	1087.2	**Sample Date:**	7/14/10
Valid Through Date:	07/15/11	**As Delivered HV:**		**Sample ID:**	
Last Update:	7/15/10 11:30 AM	**Dry HV:**	1087.2	**Sample Type:**	SPOT
Data Acquisition:		**Gravity:**	0.7230	**Sample Pressure Base:**	14.730
Data Source:		**Status:**	ACTIVE	**Sample Temperature:**	0.0
				Sample Pressure:	0.0

Component	% Mol	GPM
Methane	75.4330	12.7851
Ethane	7.2360	1.9339
Propane	4.1990	1.1561
I Butane	0.6790	0.2221
N Butane	1.2000	0.3783
I Pentane	0.2820	0.1032
N Pentane	0.3190	0.1155
Hexane	0.3620	0.1488
Heptane	0.0000	0.0000
Octane	0.0000	0.0000
Nonane	0.0000	0.0000
Decane	0.0000	0.0000
Nitrogen	9.8420	1.0825
CO2	0.2430	0.0412
Oxygen	0.0000	0.0000
H2O	0.0000	0.0000
CO	0.0000	0.0000
H2S	0.0000	0.0000
Hydrogen	0.0000	0.0000
Helium	0.2050	0.0000
Argon	0.0000	0.0000
Total	**100.0000**	**17.9667**

Gravity - Dry

Gravity - Saturated

Sample Comments:

Configuration Comments:IHLIGL

OXY USA Inc.
A subsidiary of Occidental Petroleum Corporation

5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521
P.O. Box 27570, Houston, Texas 77227-7570

Tom Acton
Mid-Continent Business Unit

Phone: 713-215-7623
Fax: 713-350-4873

December 29, 2010

Jim Hemmen
Finney State Office Building
130 S. Market, Room 2078
Wichita, KS 67202-3802

Dear Mr. Hemmen:

Please find enclosed, the One Point Stabilized Open Flow/Deliverability Test, Multipoint Back Pressure Test, and Gas Analysis Certificate for the following well:

Ihloff C-4

Section 14-T30S-R32W

Regards,

Tom Acton
Gas Flow Coordinator

Enclosures: 2010 Form G-2/CG-1
Gas Analysis Certificate

Cc: New Well Test File