

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: **04/10/2013** API No. **15129219210000**

Company OXY USA Inc		Lease STECKEL FARMS A 1			Well Number	
County Morton	Location 2460' FEL & 430' FSL	Section 28	TWP 32S	RNG (E/W) 39W	Acres Attributed 640	
Field KINSLER		Reservoir Morrow		Gas Gathering Connection Anadarko		
Completion Date 10/18/2010		Plug Back Total Depth 6,106'		Packer Set at		
Casing Size 5 1/2"	Weight 17.0#	Internal Diameter 4.892"	Set at 6,192'	Perforations 5,945'	To 5,968'	
Tubing Size 2 3/8"	Weight 4.7#	Internal Diameter 1.995"	Set at 6,020'	Perforations	To	
Type Completion (Describe) SINGLE-GAS		Type Fluid Production WATER/OIL		Pump Unit or Traveling Plunger?		Yes / No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide 0.614%		% Nitrogen 2.008%		Gas Gravity Gg 0.62
Vertical Depth (H) 5,957'		Pressure Taps Flange		(Meter Run) (Prover) Size 3.068"		
Pressure Buildup: Shut in 04/08 20 13 at 9:00 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM Taken 04/09 20 13 at 9:00 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM						
Well on Line: Started 04/09 20 13 at 9:00 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM Taken 04/10 20 13 at 9:00 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM						

OBSERVED SURFACE DATA Duration of Shut in 24 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 _i) or (P _e)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut In						85.0	99.4		0	24	0
Flow	0.875	44	24	31	31	31.0	45.4		0.0	24	0

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 _T	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/Barrel)	Flowing Fluid Gravity G _m
3.7440	58.4	37.44	1.2700	1.0291	1.0058	184	None	0.717

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = **9.9** ; (P_w)² = **2.1** ; P_d = _____ % (P_c 14.4) + 14.4 = _____ ; (P_a)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)
9.7	7.8	1.2467	0.0958	0.8320	0.0797	1.2014	221

Open Flow **221** 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 **29** day of **October**, **2013**

Witness

For Commission

OXY USA INC
For Company
Aimee Lannou - OXY USA Inc.
Checked by *Aimee Lannou*

NOV 04 2013

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