

KANSAS CORPORATION COMMISSION

Form G-2
(Rev. 7/03)

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: Workover

Test Date: 8/26/2011

API No. 15 - 15-055-21906-0001

Open Flow

Deliverability

Company <u>ExxonMobil Oil Corporation</u>		Lease <u>Jennie Barker Unit (EOG)</u>		Well Number <u>3-23</u>	
County <u>Finney</u>	Location <u>NE SW SW</u>	Section <u>23</u>	TWP <u>26S</u>	RNG (E/W) <u>34W</u>	Acres Attributed <u>640</u>
Field <u>Hugoton/Panama</u>		Reservoir <u>Chase/OG</u>		Gas Gathering Connection <u>Oneok Field Services</u>	
Completion Date <u>7/26/2011</u>		Plug Back Total Depth <u>3100</u>		Packer Set at <u>None</u>	
Casing Size <u>5.5 in</u>	Weight <u>14 lb/ft</u>	Internal Diameter <u>5.012 in.</u>	Set at <u>3167.</u>	Perforations <u>2554</u>	To <u>2781</u>
Tubing Size <u>2 3/8</u>	Weight <u>4.70 lbs/ft</u>	Internal Diameter <u>1.995 in.</u>	Set at <u>3000</u>	Perforations <u>None</u>	To <u>None</u>
Type Completion (Describe) <u>Workover Gas Re-perf</u>		Type Fluid Production <u>Saltwater</u>		Pump Unit or Traveling Plunger? <input checked="" type="checkbox"/> Yes / No	
Producing Thru (Annulus / Tubing) <u>Annulus</u>		% Carbon Dioxide <u>0.0470</u>	% Nitrogen <u>11.401</u>	Gas Gravity-G _g <u>.710</u>	
Vertical Depth (H) <u>5400</u>		Pressure Taps <u>Flange</u>		(Meter Run) (Prover) Size <u>3.068</u>	
Pressure Buildup: Shut in <u>Aug-26</u> 20 <u>11</u> at <u>2:45</u> PM taken <u>Aug-29</u> 20 <u>11</u> at <u>2:45</u> PM					
Well on Line: Started <u>Aug-29</u> 20 <u>11</u> at <u>2:45</u> PM taken <u>Aug-30</u> 20 <u>11</u> at <u>2:45</u> PM					

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 O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _{wor})(P _i)(P _c)		Tubing Wellhead Pressure (P _{wor})(P _i)(P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						40.8	55.2	14.4		72	
Flow	1.250	17.9	3.5			17.9	32.3	14.4			

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b)(F _p) Mcf/d	Circle One Meter or Prover Pressure psig	Press Extension $\sqrt{P_m \times h_w}$	Gravity Factor F _g	Flowing Temperature Factor F _{ft}	Deviation Factor F _{pv}	Metered Flow R (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
7.771	32.3	60.4277668				76.0		

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(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 3047.04 ; (P_w)² = 1043.29 ; P_d = 14.4 % (P_c - 14.4) + 14.4 = _____ ; (P_d)² = 0.26 ; (P_d)² = 207

(P _c) ² (P _w) ² (P _c) ² (P _w) ²	(R _c) - (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 Mcf/d
2840.04	2003.75	1.417362445	0.15148092	0.85	0.12875878	1.34511304	0.086894302
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Open Flow 102.2285911 Mcfd @ 14.65 psia Deliverability 102.2285911 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 8th day of November, 20 11

Witness (if any) _____
For Commission _____
Chris Broughton
For Company
Brendy Rappab
Checked by