

KANSAS CORPORATION COMMISSION

Form G-2
(Rev. 7/03)

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: Workover

Open Flow

Test Date: 9/16/2011

API No. 15 - 15-055-20606-00-02

Deliverability

Company <u>ExxonMobil Oil Corporation</u>		Lease <u>Jones</u>		Well Number <u>4-5</u>	
County <u>Finney</u>	Location <u>NW NW NW</u>	Section <u>1</u>	TWP <u>26S</u>	RNG (E/W) <u>34W</u>	Acres Attributed <u>640</u>
Field <u>Panoma</u>		Reservoir <u>Chase/CG</u>		Gas Gathering Connection <u>Oneck Field Services</u>	
Completion Date <u>7/22/2011</u>		Plug Back Total Depth <u>3030</u>		Packer Set at <u>None</u>	
Casing Size <u>5.5</u>	Weight <u>15.5</u>	Internal Diameter <u>5.012</u>	Set at <u>5325</u>	Perforations <u>2560</u>	To <u>2760</u>
Tubing Size <u>2 3/8</u>	Weight <u>4.7</u>	Internal Diameter <u>1.995</u>	Set at <u>2883</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>Tubing</u>		% Carbon Dioxide <u>0.0470</u>	% Nitrogen <u>11.401</u>	Gas Gravity-G _g <u>.710</u>	
Vertical Depth (H) <u>5325</u>		Pressure Taps <u>Flange</u>		(Meter Run) (Prover) Size <u>3.068</u>	
Pressure Buildup: Shut in <u>Sep-16</u>		<u>20 11</u>	at <u>12:05 PM</u>	taken <u>Sep-19</u>	<u>20 11</u> at <u>12:05 PM</u>
Well on Line: Started <u>Sep-19</u>		<u>20 11</u>	at <u>12:05 PM</u>	taken <u>Sep-20</u>	<u>20 11</u> at <u>12:05 PM</u>

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	Well Head Temperature	Casing Wellhead Pressure (P _w or (P ₁)(P ₂))		Tubing Wellhead Pressure (P _w or (P ₁)(P ₂))		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						23.7	38.1		14.4	72	
Flow	1.250	13.1	3.5			13.1	27.5		14.4		

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p)(F _d) Mcfd	Circle One Meter or Prover Pressure psig	Press Extension $\sqrt{P_m \times h_w}$	Gravity Factor F	Flowing Temperature Factor F _{ft}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
7.771	27.5	51.4477890	0			30.2		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 = 1451.61$; $(P_w)^2 = 756.25$; $P_d = 14.4$ % $(P_c - 14.4) + 14.4 =$; $(P_b)^2 = 0.207$; $(P_d)^2 = 207$

$\frac{(P_c)^2 (P_b)^2}{(P_c)^2 (P_d)^2}$	$(R) \cdot (P_w)^2$	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: $[P_c^2 - P_w^2]$	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd
1244.61	695.36	1.789878624	0.25282358	0.85	0.21490004	1.64021222	0.042104248
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Open Flow 49.53440916 Mcfd @ 14.65 psia Deliverability 49.53440916 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, 2011

Witness (if any)

For Commission

Chris Broughton
For Company
Beverly Rappaport
Checked by
RECEIVED
NOV 09 2011
KCC WICHITA