KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

☑ Open Flow

☐ Deliverabilty

Test Date: 7/21 to 7/22/14

API No. 15 095-20,314-00-00

Company: Gemini Oil Co		Lease: North Miles		Well Number: 1-A
County: Kingman	Location: CSESE	Section: 19	TWP: 27S	RNG (E/W): 10W — Acres Attributed
Field: Cunningham		Reservoir: Towanda		Gas Gathering Connection: Oneok
Completion Date: 7/9/73		Plug Back Total Depth		Packer Set at: none

Casing Size 4.5	Weight	Internal Diameter	Set at 1759	Perforations 1676.5	To 1677.5
Tubing Size 2.375	Weight	Internal Diameter	Set at 1676	Perforations	To

Type Completion (Describe): single	Type Fluid Production: SW	Pump Unit or Traveling Plunger? Yes / No — No
Producing Thru (Annulus / Tubing): tubing	% Carbon Dioxide: .00	% Nitrogen: 18.632 — Gas Gravity - G_g: .675
Vertical Depth(H)	Pressure Taps: flange	(Meter Run) (Prover) Size: 3"

Pressure Buildup: Shut in 7/18 20 14 at 10:15 am (AM) (PM) Taken 7/21 20 14 at 10:15 am (AM) (PM)

Well on Line: Started 7/21 20 14 at 10:15 am (AM) (PM) Taken 7/22 20 14 at 10:15 am (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_1) or (P_c) psig	Casing psia	Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig	Tubing psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						70.3	84.7			72	
Flow	.375	36.8	.9	95		37.0	51.4			24	

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_{lt}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m
.6848	51.2	6.78	1.217	.9680	-------------	5		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 = $ 7.174 : $(P_w)^2 = $ 2.641 : $P_d = $ ____ % $(P_c - 14.4) + 14.4 = $ ____ :

$(P_a)^2 = $ 0.207

$(P_d)^2 = $ ____
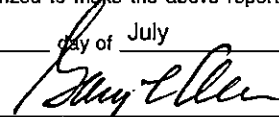
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" ---- or ---- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
6.967	4.533	1.536	.1864	.850	.1584	1.44	7
				assigned			

Open Flow 7 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 31st day of July , 20 14 .

_____
Witness (if any)

_____
For Company

_____
For Commission

_____
Checked by

KCC WICHITA

AUG 0 7 2014

RECEIVED