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. 15 095-20,483-00-00

Company	Lease		Well Number
Gemini Oil Co	Ratcliffe		2

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Kingman	NWNWSESW	19	27S	10W	

Field	Reservoir	Gas Gathering Connection
Cunningham	Towanda	Oneok

Completion Date	Plug Back Total Depth	Packer Set at none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.5			3276		

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375					

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
single	SW	No

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
tubing	.160	16.979	.744

Vertical Depth(H)	Pressure Taps flange	(Meter Run) (Prover) Size 3"

Pressure Buildup: Shut in 7/18 20 14 at 4:00 pm (AM) (PM) Taken 7/21 20 14 at 4:00 pm (AM) (PM)

Well on Line: Started 7/21 20 14 at 4:00 pm (AM) (PM) Taken 7/22 20 14 at 4:00 pm (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 H₂0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (Pw) or (Pt) or (Pc) psig	psia	Tubing Wellhead Pressure (Pw) or (Pt) or (Pc) psig	psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						95.9	110.3			72	
Flow	.375	37.0	1.0	82		81.8	96.2			24	

FLOW STREAM ATTRIBUTES

Plate Coeffiecient (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_{tt}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m
.6848	51.4	7.17	1.159	.9795	--------------	6		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 =$ 12.166 : $(P_w)^2 =$ 9.254 : $P_d =$ _____ % $(P_c - 14.4) + 14.4 =$ _____ :

$(P_a)^2 =$ 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)
11.959	2.912	4.106	.6134	.850	.5213	3.32	20
				assigned			

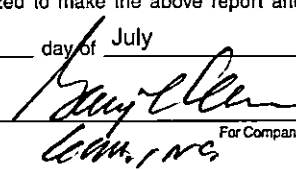Open Flow 20   Mcfd @ 14.65 psia   Deliverability _____   Mcfd @ 14.65 psia

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