

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
7/28 to 7/29/14

API No. 15
095-21,806-00-00

Company Gemini Oil Co		Lease Miles A		Well Number 8	
County Kingman	Location SWNESWNE	Section 30	TWP 27S	RNG (E/W) 10W	Acres Attributed
Field Cunningham		Reservoir Herington-Krider		Gas Gathering Connection Oneok	
Completion Date 12/18/01		Plug Back Total Depth		Packer Set at none	
Casing Size 5.5	Weight	Internal Diameter	Set at 2693	Perforations 1522	To 1532
Tubing Size 2.375	Weight	Internal Diameter	Set at 1350	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	
Vertical Depth(H)		Pressure Taps flange		(Meter Run) (Prover) Size 3"	
Pressure Buildup: Shut in <u>7/18</u>		20 <u>14</u> at <u>3:45 pm</u> (AM) (PM)		Taken <u>7/21</u>	
Well on Line: Started <u>7/28</u>		20 <u>14</u> at <u>12:00 pm</u> (AM) (PM)		Taken <u>7/29</u>	
		20 <u>14</u> at <u>3:45 pm</u> (AM) (PM)			
		20 <u>14</u> at <u>12:00 pm</u> (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 ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _o)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						287.1	301.5			72	
Flow	.375	42	16.5	77		251.8	266.2			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 _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
.6848	56.4	30.50	1.217	.9840	-----	25		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 90.902 ; (P_w)² = 70.862 ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_a)² = 0.207 ; (P_d)² = _____

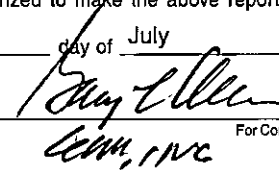
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1, or 2, and divide by: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
90.695	20.04	4.525	.6556	.850	.5572	3.61	90
				assigned			

Open Flow 90 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 Commission


 For Company **KCC WICHITA**
 Checked by **AUG 07 2014**

RECEIVED