

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow
 Deliverability

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

API No. 15
095-20,666-00-00

Company Gemini Oil Co		Lease Meyers-Rohlman		Well Number 2	
County Kingman	Location NWSWSW	Section 20	TWP 27S	RNG (E/W) 10W	Acres Attributed
Field Cunningham		Reservoir Indian Cave		Gas Gathering Connection Oneok	
Completion Date 1/3/78		Plug Back Total Depth		Packer Set at none	
Casing Size 5.5	Weight	Internal Diameter	Set at 3470	Perforations 2284	To 2314
Tubing Size 2.375	Weight	Internal Diameter	Set at 2327	Perforations	To
Type Completion (Describe) single		Type Fluid Production SW		Pump Unit or Traveling Plunger? Yes / No Yes - pump unit	
Producing Thru (Annulus / Tubing) annulus		% Carbon Dioxide .153		% Nitrogen 16.538	
Gas Gravity - G _g .720		Vertical Depth(H) flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in <u>7/18</u>		20 <u>14</u> at <u>10:00 am</u> (AM) (PM)		Taken <u>7/21</u>	
Well on Line: Started <u>7/21</u>		20 <u>14</u> at <u>10:00 am</u> (AM) (PM)		Taken <u>7/22</u>	

OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (P _m)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						52.3	66.7			72	
Flow	.375	36.0	3.9	82		38.7	53.1			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
.6860	50.4	14.02	1.179	.9795	-----	11		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207
(P_d)² = _____

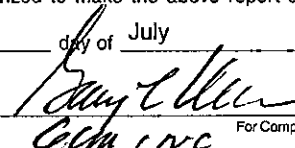
(P_c)² = 4.448 : (P_w)² = 2.819 : P_d = _____ % (P_c - 14.4) + 14.4 = _____ :

(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" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
4.159	1.629	2.553	.4070	.850	.3459	2.21	24
				assigned			

Open Flow 24 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

KCC WICHITA

For Commission

Checked by

AUG 07 2014

RECEIVED