

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

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

API No. 15
151-20,273-00-00

Company Gemini Oil Co			Lease Moore		Well Number 1
County Pratt	Location CSWSW	Section 25	TWP 27S	RNG (E/W) 11W	Acres Attributed
Field Cunningham		Reservoir Herington	Gas Gathering Connection Lumen		
Completion Date 2/10/75		Plug Back Total Depth		Packer Set at none	
Casing Size	Weight	Internal Diameter	Set at	Perforations	To
Tubing Size	Weight	Internal Diameter	Set at	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 .0632		% Nitrogen 18.0149	Gas Gravity - G _g .668
Vertical Depth(H)		Pressure Taps flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7/18		20 14	at 9:15 am	(AM) (PM) Taken 7/21	20 14
Well on Line: Started 7/21		20 14	at 9:15 am	(AM) (PM) Taken 7/22	20 14
		at 9:15 am	(AM) (PM)		

OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter Prover Pressure psig (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						154.9	169.3			72	
Flow	.375	20.0	1.2	84		21.5	35.9			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	34.4	6.42	1.224	.9777	-----	5		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 28.662 : (P_w)² = 1.288 : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_a)² = 0.207
(P_d)² = _____

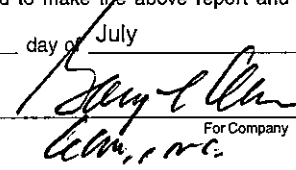
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1, or 2, and divide by: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
28.455	27.374	1.039	.0166	.850	.0141	1.03	5
				assigned			

Open Flow 5 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

Checked by

KCC WICHITA

AUG 07 2014

RECEIVED