

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow
 Deliverability

Test Date:
4/09 to 4/10/12

API No. 15
053-21184 -00-00

Company Rupe Oil Company		Lease KanopolisFederal			Well Number 2-28
County Ellsworth	Location NE NE NE	Section 28	TWP 16S	RNG (E/W) 07W	Acres Attributed
Field Kanak		Reservoir Grand Haven		Gas Gathering Connection Rupe Oil	
Completion Date 10/06/06		Plug Back Total Depth 1840		Packer Set at 1684	
Casing Size 4.5	Weight	Internal Diameter	Set at 1899	Perforations 1780	To 1784
Tubing Size 2.375	Weight	Internal Diameter	Set at 1684	Perforations	To
Type Completion (Describe) single		Type Fluid Production SW		Pump Unit or Traveling Plunger? Yes / No Yes - pump unit	
Producing Thru (Annulus / Tubing) Casing		% Carbon Dioxide .55		% Nitrogen 44.111	Gas Gravity - G _g .753
Vertical Depth(H)		Pressure Taps flange			(Meter Run) (Prover) Size 2"
Pressure Buildup: Shut in 4/06		20 12 at 10:45 am	(AM) (PM)	Taken 4/09	20 12 at 10:45 am (AM) (PM)
Well on Line: Started 4/09		20 12 at 10:45 am	(AM) (PM)	Taken 4/10	20 12 at 10:45 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 ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w or (P ₁) or (P _c))		Tubing Wellhead Pressure (P _w or (P ₁) or (P _c))		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						246.9	261.3			72	
Flow	.625	11	1.0	54		111.0	125.4			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 _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
1.914	25.4	5.04	1.152	1.006	-----	12		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = **68.277** ; (P_w)² = **15.725** ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_a)² = 0.207 ; (P_o)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" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
68.070	52.552	1.295	.1122	.850	.0954	1.24	15
				assigned			

Open Flow **15** Mcfd @ 14.65 psia X .50 = Deliverability **7.5** 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 17th day of April, 20 12.

RECEIVED

Witness (if any)

For Company

APR 18 2012

For Commission

Checked by

KCC WICHITA