

**KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST**

FORM G-2
(Rev. 8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 11-11-13 API No. 15-189-22586-0000

Company Palmer Oil Inc.		Lease Light			Well Number 24#1	
County Stevens	Location NW SW SE	Section 24-33s-39w	TWP	RNG (E/W)	Acres Attributed	
Field	Reservoir Morrow	Gas Gathering Connection Anadarko Energy Co				
Completion Date 5-31-07	Plug Back Total Depth 6405		Packer Set at			
Casing Size 4.500	Weight 10.500	Internal Diameter 4.052	Set at 6496	Perforations 5822	To 5836	
Tubing Size 2.375	Weight 4.700	Internal Diameter 1.995	Set at 5837	Perforations	To	
Type Completion (Describe) Single	Type Fluid Production Water		Pump Unit or Traveling Plunger? No			
Producing Thru (Annulus/Tubing) Tubing	% Carbon Dioxide .344		% Nitrogen 4.613		Gas Gravity- Gg .813	
Vertical Depth (H) 5829	Pressure Taps Flange			Meter Run Size 6.065		
Pressure Buildup: Shut in	11-8-13@1:05P.M.		TAKEN	11-11-13@1:05P.M.		
Well on Line: Started	11-11-13@1:05P.M.		TAKEN	11-12-13@1:05P.M.		

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H ₂ O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P _w) (P _t) (P _c)		Tubing WellHead Press. (P _w) (P _t) (P _c)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						181	196	181	195	72.0	
Flow	.500	53.0	128.00	60	60	175	190	159	173	24.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcf/d	GOR	G _m
1.222	67.4	92.88	1.1091	1.0000	1.0090	127		.813

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 38.5 (P_w)² = 36.1 P_d = % (P_c - 14.4) + 14.4 = (P_a)² = 0.207
(P_d)² =


$(P_c)^2 - (P_a)^2$	$(P_c)^2 - (P_w)^2$	$\frac{[(P_c)^2 - (P_a)^2] \text{ or } [(P_c)^2 - (P_d)^2]}{[(P_c)^2 - (P_w)^2]}$	LOG	Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
38.25	2.36	16.240	1.2106	1.000	1.2106	16.240	2062

OPEN FLOW 2062 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 herein and that said report is true and correct. Executed this the 19th day of November, 2013

Witness (if any)

KCC WICHITA

 **Hosco T&M**
For Company

For Commission

NOV 27 2013

Checked by

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