

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
- Deliverability

Test Date:

API No. 15
097-21459-0000

Company Southwind Petroleum Corp.		Lease Fa rk		Well Number "L" #1-1	
County Kiowa	Location C S/2 N/2 NW/4	Section 1	TWP 28	RNG (EW) 18W	Acres Attributed 160
Field Allstott		Reservoir Mississippian		Gas Gathering Connection Oneok Field Serv.	
Completion Date 4-20-01		Plug Back Total Depth 4838		Packer Set at none	
Casing Size 4 1/2	Weight 10.5	Internal Diameter 3.00	Set at 4837	Perforations 4756	To 4784
Tubing Size 2 3/8	Weight 4.7	Internal Diameter 1.995	Set at 4805	Perforations	To
Type Completion (Describe) Single		Type Fluid Production water		Pump Unit or Traveling Plunger? Yes / No Pump	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide 0.079		% Nitrogen 2.247	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	

Pressure Buildup: Shut in 7:26 2013 at 2:20 (AM) Taken 7:29 2013 at 2:50 (AM)

Well on Line: Started 7:29 2013 at 2:50 (AM) Taken 7:30 2013 at 2:45 (AM)

OBSERVED SURFACE DATA

Duration of Shut-in 72.20 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 _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in	.625					210	225			72.20	0
Flow	.625	60	31	80		140	155			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (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
2.37	75	48.2	1.277	.9813	1.014	145		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 50.6 : (P_w)² = 24.0 : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_d)² = 0.207
(P_d)² = _____

(P _c) ² - (P _d) ² or (P _c) ² - (P _w) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _d ² 2. P _c ² - P _w ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_d^2} \right]$	Backpressure Curve Slope = "n" Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_d^2} \right]$	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
50.6	26.6	1.90	.279	.531	.148	144	204

Open Flow 204 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 30 day of July, 2013.

DeWayne Harrison
Witness (if any)

RECEIVED
KANSAS CORPORATION COMMISSION

Kevin Hupp
preparer

RECEIVED
KANSAS CORPORATION COMMISSION
AUG 1 3 2013

AUG 2 8 2013

CONSERVATION DIVISION
WICHITA, KS