

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
11/13 to 11/14/14

API No. 15
057-20,726-00-00

Company Vincent Oil Co.		Lease Hitz		Well Number 2-35	
County Ford	Location SENEENW	Section 35	TWP 28S	RNG (E/W) 23W	Acres Attributed
Field Wildcat		Reservoir Miss/Penn LST		Gas Gathering Connection DCP	
Completion Date 6/10/11		Plug Back Total Depth 5399		Packer Set at none	
Casing Size 4.5	Weight	Internal Diameter	Set at 5399	Perforations 5175	To 5240
Tubing Size 2.375	Weight	Internal Diameter	Set at 5176	Perforations	To
Type Completion (Describe) single		Type Fluid Production none		Pump Unit or Traveling Plunger? Yes / No no	
Producing Thru (Annulus / Tubing) tubing		% Carbon Dioxide .0813		% Nitrogen 10.1927	
Vertical Depth(H)		Pressure Taps flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in		11/10	20 14	at 9:15 am	(AM) (PM) Taken 11/13
Well on Line: Started		11/13	20 14	at 9:15 am	(AM) (PM) Taken 11/14
				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 (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						588	602.4	588	602.4	72	
Flow	1.000	142	5.5	48		530	544.4	514	528.4	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 _v	Flowing Temperature Factor F _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
5.073	156.4	29.33	1.226	1.012	1.014	187		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_o)² = 362.885 ; (P_w)² = 296.371 ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_a)² = 0.207 ; (P_d)² = _____

(P _o) ² - (P _a) ² or (P _o) 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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	Backpressure Curve Slope = "n" ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
362.678	66.514	5.452	.7365	.790	.5818	3.82	714

Open Flow 714 Mcfd @ 14.65 psia X .50 = Deliverability 357 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 19th day of November, 20 14.

Witness (If any) KCC WICHITA For Company [Signature]
For Commission NOV 25 2014 Checked by [Signature]

RECEIVED