


KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST
(See Instructions on Reverse Side)

Form G-2
 (Rev 8/98)

Type Test:

- Open Flow
 Deliverability **WHSIP**

Test Date: 8/19/10

API No. 15-095-01770-

Company LINN OPERATING, INC.				Lease TJADEN GAS UNIT				Well Number 1	
County KINGMAN	Location SW NE NE	Section 33	TWP 30S	RNG (E/W) 8W	Acres Attributed				
Field SPIVEY-GRABS-BASIL			Reservoir Mississippi Chat		Gas Gathering Connection PIONEER EXPLORATION, LLC.				
Completion Date 09/10/93		Plug Back Total Depth			Packer Set at				
Casing Size 5 1/2	Weight 14#	Internal Diameter	Set at 4420	Perforations 4324	To 4420				
Tubing Size 2 7/8	Weight	Internal Diameter	Set at 4250	Perforations	To				
Type Completion (Describe) SINGLE		Type Fluid Production GAS		Pump Unit or Traveling Plunger? PUMP		Yes / No YES			
Producing Thru (Annulus/Tubing) Annulus		%Carbon Dioxide		% Nitrogen		Gas Gravity - G.			
Vertical Depth (H) 4435		Pressure Taps FLANGE			(Meter Run) (Prover) Size				
Pressure Buildup: Shut In <u>8/18</u> <u>20 10</u> at <u>8:30</u> (AM)(PM)		Taken <u>8/19</u> <u>20</u> at <u>8:30</u> (AM)(PM)							
Well on line: Started _____ <u>20</u> at _____ (AM)(PM)		Taken _____ <u>20</u> at _____ (AM)(PM)							

OBSERVED SURFACE DATA

Duration of Shut-In **24.00**

Static/ Dynamic Property	Orifice Size (Inches)	Circle one: Meter Prover Pressure psig	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						95.0	109.4	pump		24.00	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _d)(F _p) Mcf/d	Circle one: Meter or Prover Pressure psia	Press. Extension $\sqrt{P_m \times H_w}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _a) ² - (P _w) ²	(P _a) ² - (P _w) ²	$\frac{P_o^2 - P_a^2}{(P_o^2 - (P_w)^2)}$	LOG of formula 1. or 2. and divide by	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)
			$P_o^2 - P_w^2$				

Open Flow **Mcf/d @ 14.65 psia** Deliverability **Mcf/d @ 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 August, 2010

 Witness (if any)


 For Company

 For Commission

 Checked by

RECEIVED

DEC 22 2010

KCC WICHITA

