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

Type Test:

☐ Open Flow

☐ Deliverabilty

Test Date: 6/12 to 6/13/14

API No. 15 175-22,192-00-00

Company	Lease	Well Number
Edison Operating	Box	1-30

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Seward	1980FSL&1980FEL	30	34S	32W	

Field	Reservoir	Gas Gathering Connection
Three Star	Lower Morrow	DCP

Completion Date	Plug Back Total Depth	Packer Set at
10/11		none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4.5			6488	5986	6014

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
none					

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
single (Gas)	None	No

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
annulus	.3009	.8903	.618

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
	flange	3"

Pressure Buildup: Shut in 6/09 20 14 at 12:00 pm (AM) (PM) Taken 6/12 20 14 at 12:00 pm (AM) (PM)

Well on Line: Started 6/12 20 14 at 12:15 pm (AM) (PM) Taken 6/13 20 14 at 12:15 pm (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_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_1) or (P_c) psig	Casing psia	Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig	Tubing psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						787	801.4			72	
Flow	1.000	11	29.1	69		664	678.4			24	0

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_{tf}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m
4.912	25.4	27.19	1.272	.9915	------------	168		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 =$ 642.241 : $(P_w)^2 =$ 460.226 : $P_d =$ ____ % $(P_c - 14.4) + 14.4 =$ ____ :
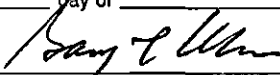
$(P_a)^2 =$ 0.207
$(P_d)^2 =$ ____

$(P_c)^2 - (P_a)^2$ 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: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" ------- or ------- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
642.034	182.015	3.527	.5474	.913	.4998	3.16	530

Open Flow 530 Mcfd @ 14.65 psia X .50 = Deliverability 265 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 June , 20 14 .

_____
Witness (if any)

_____
For Commission

_____ For Company

_____ Checked by

KCC WICHITA

JUN 23 2014

RECEIVED