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

Type Test:

☐ Open Flow

☐ Deliverabilty

Test Date: 7/28/2013

API No. 15: 15-055-00511-00-00

Company	Lease	Well Number
HERMAN L. LOEB LLC	HICKS	A1

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
FINNEY	C N/2 SW/4	19	25S	31W	

Field	Reservoir	Gas Gathering Connection
HUGOTON	KRIDER	ONEOK FIELD SVCS.

Completion Date	Plug Back Total Depth	Packer Set at
1953	2633	NONE

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
7.000	20	6.456	2639	2597	2632

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375	4.7	1.995	2635	OPEN	

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
SINGLE	GAS,WATER	PUMPING

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
ANNULUS			

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
2615		

Pressure Buildup: Shut in __7/28__ 20 __13__ at _____ (AM) (PM) Taken __7/30__ 20 __13__ at _____ (AM) (PM)

Well on Line: Started _____ 20 ___ at _____ (AM) (PM) Taken _____ 20 ___ at _____ (AM) (PM)

OBSERVED SURFACE DATA
Duration of Shut-in _____ 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_t) or (P_c) psig	psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						55				48	
Flow											

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_{ft}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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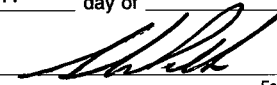
$(P_a)^2 = 0.207$

$(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. $\frac{P_c^2 - P_a^2}{}$ 2. $\frac{P_c^2 - P_d^2}{}$ 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)

Open Flow _____ 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 __8TH__ day of __AUGUST__ , 20 __13__ .

_____
Witness (if any)

_____
For Company

_____
For Commission

_____
Checked by