

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
7/28/2013

API No. 15
15-055-~~652~~-00-00
00,542-

Company HERMAN L. LOEB LLC			Lease HICKS		Well Number B1	
County FINNEY	Location SE SE NW	Section 24	TWP 25S	RNG (E/W) 32W	Acres Attributed	
Field HUGOTON		Reservoir HER-KRIDER	Gas Gathering Connection ONEOK FIELD SVCS.			
Completion Date 1954		Plug Back Total Depth 2679	Packer Set at NONE			
Casing Size 5.000	Weight 15	Internal Diameter 4.408	Set at 2674	Perforations 2615	To 2674	
Tubing Size 2.375	Weight 4.7	Internal Diameter 1.995	Set at 2650	Perforations OPEN	To	
Type Completion (Describe) SINGLE		Type Fluid Production GAS, WATER	Pump Unit or Traveling Plunger? Yes / No PUMPING			
Producing Thru (Annulus / Tubing) ANNULUS		% Carbon Dioxide	% Nitrogen		Gas Gravity - G _g	
Vertical Depth(H) 2645		Pressure Taps			(Meter Run) (Prover) Size	
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

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						56				48	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _v) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _{tt}	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. 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" or Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right]$	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

RECEIVED
KANSAS CORPORATION COMMISSION

Witness (if any)



For Company

For Commission

Checked by

AUG 14 2013

CONSERVATION DIVISION
WICHITA, KS