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

Type Test:
- [✓] Open Flow
- [✓] Deliverabilty

Test Date: 10/15 to 10/16/15

API No. 15 007-24,137-00-00

KCC WICHITA OCT 20 2015 RECEIVED

Company: LB Exploratiion, Inc.	Lease: Hopkins Ranch	Well Number: 33

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Barber	W/2NENWNE	33	32S	13W	

Field	Reservoir: Miss	Gas Gathering Connection: Oneok

Completion Date: 3/06/14	Plug Back Total Depth	Packer Set at: none

Casing Size: 5.5	Weight	Internal Diameter	Set at: 4645	Perforations: 4506	To: 4554

Tubing Size: 2.875	Weight	Internal Diameter	Set at: 4496	Perforations	To

Type Completion (Describe): single	Type Fluid Production: Oil/SW	Pump Unit or Traveling Plunger? Yes / No : Yes - pump unit

Producing Thru (Annulus / Tubing): annulus	% Carbon Dioxide: .1246	% Nitrogen: 7.6164	Gas Gravity - G_g: .695

Vertical Depth(H)	Pressure Taps: flange	(Meter Run) (Prover) Size: 2"

Pressure Buildup: Shut in 10/12 20 15 at 8:30 am (AM) (PM) Taken 10/15 20 15 at 8:30 am (AM) (PM)

Well on Line: Started 10/15 20 15 at 8:30 am (AM) (PM) Taken 10/16 20 15 at 9:00 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_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Casing Wellhead Pressure psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing Wellhead Pressure psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						320	334.4			72	
Flow	1.250	40	8.9	67		289	303.4			24.5	

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_{tt}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m
8.329	54.4	22.00	1.199	.9933	————	218		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 = 111.823$; $(P_w)^2 = 92.051$; $P_d = \underline{\quad} \%$; $(P_c - 14.4) + 14.4 = \underline{\quad}$; $(P_a)^2 = 0.207$; $(P_d)^2 = \underline{\quad}$

$(P_c)^2-(P_a)^2$ 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 $[\quad]$	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
111.616	19.772	5.645	.7516	.850	.6388	4.35	948

Open Flow 948 Mcfd @ 14.65 psia X .50 = Deliverability 474 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 16th day of October , 20 15 .

Witness (If any)	For Company
For Commission	Checked by