

**KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST**

FORM G-2
(Rev. 8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 1/17/2017 API No. 15-165-22129-00-00

Company Blackstone Oil & Gas LLC		Lease Ithaca		Well Number 1-17	
County Rush	Location 2245'FNL 660'FE	Section 17-18-16	TWP RNG(E/W)	Acres Attributed 640	
Field Otis-Albert	Reservoir Lansing/Kansas	Gas Gathering Connection IACX			
Completion Date 12/9/2016	Plug Back Total Depth 3290	Packer Set at none			
Casing Size 5.500	Weight 15.500	Internal Diameter 4.974	Set at 3526	Perforations 3200	To 3206
Tubing Size 2.875	Weight 6.400	Internal Diameter 2.441	Set at 3206	Perforations	To
Type Completion (Describe) perf/natural	Type Fluid Production none	Pump Unit or Traveling Plunger? NO			
Producing Thru (Annulus/Tubing) tubing	% Carbon Dioxide 0.107	% Nitrogen 32.608	Gas Gravity- Gg 0.720		
Vertical Depth (H) 3203	Pressure Taps flange	Meter Run Size 3.068			
Pressure Buildup: Shut in Well on Line: Started	1/13/2017@0900 1/16/2017@1100	TAKEN TAKEN	1/16/2017@1100 1/17/2017@1045		

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H ₂ O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P _w) (P _t) (P _c)		Tubing WellHead Press. (P _w) (P _t) (P _c)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						886	900	882	896	74.0	
Flow	1.500	79.0	17.00	68		821	836	751	765	23.7	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _B) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING-TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcf/d	GOR	G _m
11.410	93.1	39.78	1.1785	0.9924	1.0197	541		0.720

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 810.2 (P_w)² = 698.9 P_d = 7.6 % (P_c - 14.4) + 14.4 = (P_a)² = 0.207
(P_d)² = 4.62 *

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$ or $\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2}$	LOG []	Backpressure Curve Slope "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
809.98	111.28	7.279	0.8620	0.779	0.6715	4.694	2541
805.56	111.28	7.239	0.8597	0.779	0.6697	4.674	2530

OPEN FLOW 2541 Mcfd @ 14.65 psia DELIVERABILITY 2530 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 herein and that said report is true and correct. Executed this the 17 day of January, 2017

Witness (if any)

For Commission

KCC WICHITA
JAN 24 2017
RECEIVED

Paul J. [Signature]

For Company

Checked by