KANSAS CORPORATION COMMISSION
ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2 (Rev.8/98)

TYPE TEST:
☒ Open Flow
☒ Deliverability

TEST DATE: 4/7/2018 API No. 15-007-24321-0000

Company	Lease	Well Number
Lotus Operating	Charlie	1

County	Location	Section	TWP	RNG(E/W)	Acres Attributed
Barber	S/2 SW SW	11	35	13w	320

Field	Reservoir	Gas Gathering Connection
Stranathan-Hart	Mississippi	ONEOK

Completion Date	Plug Back Total Depth	Packer Set at
9/1/2017	5118	none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.500	17.000	4.892	5157	4852	4888

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.875	6.500	2.441	4930		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger?
Acid-Frac	oil-water	pumping unit

Producing Thru (Annulus/Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity- Gg
annulus	0.116	1.197	0.623

Vertical Depth (H)	Pressure Taps	Meter Run Size
4870	flange	2.067

Pressure Buildup: Shut in	4/3/2018@0800	TAKEN	4/6/2018@0800
Well on Line: Started	4/6/2018@0800	TAKEN	4/7/2018@0945

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H 2O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P_w) (P_t) (P_c) psig	Casing WellHead Press. psia	Tubing WellHead Press. (P_w) (P_t) (P_c) psig	Tubing WellHead Press. psia	Duration (Hours)	Liquid Prod. Barrels
Shut-in						443	457			72.0	
Flow	1.500	29.1	24.00	33	40	328	342			25.7	60.0

FLOW STREAM ATTRIBUTES

COEFFICIENT (F_b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcfd	GOR	G_m
11.410	43.5	32.31	1.2669	1.0270	1.0043	481	8598	1.059

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(Pc)^2$ = 209.2 $(Pw)^2$ = 117.7 Pd = 6.4 % (Pc - 14.4) + 14.4 = $(Pa)^2$ = 0.207 $(Pd)^2$ = 0.85

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2 \text{ or } (P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$	LOG [ ]	Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope	n x LOG [ ]	Antilog	Open Flow Deliverability = R x Antilog Mcfd
209.01	91.50	2.284	0.3588	0.633	0.2271	1.687	812
208.37	91.50	2.277	0.3574	0.633	0.2263	1.684	811

OPEN FLOW 812 Mcfd @ 14.65 psia DELIVERABILITY 811 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 12 day of April, 20 18

Witness (If any)

For Company

For Commission

Checked by

Received KANSAS CORPORATION COMMISSION APR 17 2018

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CONSERVATION DIVISION WICHITA, KS

4-17-18