KANSAS CORPORATION COMMISSION
ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev.8/98)

TYPE TEST:
☒ Open Flow
☒ Deliverability

TEST DATE: 11/16/2017 API No. 007-23829-00-00

Company	Lease	Well Number
Chieftain Oil Co Inc	Millie A	1

County	Location	Section	TWP	RNG(E/W)	Acres Attributed
Barber	NW SE SE NW	15	35s	11w	174.5

Field	Reservoir	Gas Gathering Connection
Kiowa Townsite	Mississippi	Targa

Completion Date	Plug Back Total Depth	Packer Set at
2/10/2012	5573	none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.500	15.500	4.052	5563		

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.875	6.500	2.441	4880		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger?
Single	Oil/Water	submersible pump

Producing Thru(Annulus/Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity- Gg
annulus	0.159	1.249	0.646

Vertical Depth (H)	Pressure Taps	Meter Run Size
4812	flange	2"

Pressure Buildup: Shut in	11/13/2017@0900	TAKEN	11/16/2017@1330
Well on Line: Started	11/16/2017@1330	TAKEN	11/17/2017@1400

KCC WICHITA
DEC 04 2017
RECEIVED

OBSERVED SURFACE DATA

Static/ Dynamic Prcperty	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 psia	Tubing WellHead Press. (P_w) (P_t) (P_c) psig	Tubing psia	Duration (Hours)	Liquid Prod. Barrels
Shut-in						596	610			76.5	
Flow	1.250	31.1	47.00	68	60	400	414			24.5	559.0

FLOW STREAM ATTRIBUTES

CCEFFICIENT (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
8.329	45.5	46.24	1.2442	0.9924	1.0039	477	871	2.759

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(Pc)^2$ = 372.6 $(Pw)^2$ = 173.2 Pd = 5.1 % (Pc - 14.4) + 14.4 = $(Pa)^2$ = 0.207 $(Pd)^2$ = 0.97

$(P_c)^2 - (P_a)^2$ 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
372.38	199.37	1.868	0.2713	0.850	0.2306	1.701	811
371.62	199.37	1.864	0.2704	0.850	0.2299	1.698	810

OPEN FLOW 811 Mcfd @ 14.65 psia DELIVERABILITY 810 Mcfd @ 14.65 psia

The undersigned authority, on behaf 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 30 day of November 20 17

Witness (if any)

For Company

For Commission

Checked by