KANSAS CORPORATION COMMISSION
ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev.8/98)

TYPE TEST:
☒ Open Flow
☒ Deliverability

TEST DATE: 5/21/2015 API No. 15-145-21788-00-00

Company	Lease	Well Number
Prolific Resources LLC	Froetschner	1

County	Location	Section	TWP	RNG(E/W)	Acres Attributed
Pawnee	NW NW	11	22s	18	160

Field	Reservoir	Gas Gathering Connection
	Cherokee	SemGas

Completion Date	Plug Back Total Depth	Packer Set at
	4321	none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.500	15.500	4.950	4340	4068	4072

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375	4.700	1.995	4081		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger?
perf-acid only	none	no

Producing Thru (Annulus/Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity- Gg
tubing	0.090	10.610	0.647

Vertical Depth (H)	Pressure Taps	Meter Run Size
4070	flange	2.067

Pressure Buildup: Shut in		TAKEN	5/20/2015@1000
Well on Line: Started	5/20/2015@1000	TAKEN	5/21/2015@1030

KCC WICHITA
MAY 28 2015
RECEIVED
5-28-15

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 psia	Tubing WellHead Press. (P_w) (P_t) (P_c) psig	Tubing psia	Duration (Hours)	Liquid Prod. Barrels
Shut-in						1156	1170	1156	1170	72.0	
Flow	0.750	67.2	41.10	76		891	905	848	862	24.5	

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
2.779	81.6	57.91	1.2432	0.9850	1.0056	198		0.647

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(Pc)^2$ = 1369.8 $(Pw)^2$ = 819.7 Pd = 5.7 % (Pc - 14.4) + 14.4 = $(Pa)^2$ = 0.207 $(Pd)^2$ = 4.52

$(P_c)^2 - (P_a)^2$ 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
1369.63	550.09	2.490	0.3962	0.558	0.2211	1.664	329
1365.32	550.09	2.482	0.3948	0.558	0.2203	1.661	329

OPEN FLOW 329 Mcfd @ 14.65 psia DELIVERABILITY 329 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 26 day of May, 20 15

Witness (if any)

For Company

For Commission

Checked by