KANSAS CORPORATION COMMISSION
ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev.8/98)

TYPE TEST:
☒ Open Flow
☐ Deliverability

TEST DATE: 5/22/2015 API No. 15-145-21802-00-00

Company	Lease	Well Number
Prolific Resources LLC	Roesler	3

County	Location	Section	TWP	RNG(E/W)	Acres Attributed
Pawnee	SE NW SE	2	22s	18	160

Field	Reservoir	Gas Gathering Connection
	Cherokee	SemGas

Completion Date	Plug Back Total Depth	Packer Set at
	4262	none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.500	15.500	4.950	4280	4052	4064

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.875	6.500	2.441	4085	4052	4064

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger?
Perforation Acid	none	no

Producing Thru(Annulus/Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity- Gg
tubing	0.110	10.910	0.647

Vertical Depth (H)	Pressure Taps	Meter Run Size
4058	flange	2.067

Pressure Buildup: Shut in	at completion	TAKEN	5/21/2015@1215
Well on Line: Started	5/21/2015@1215	TAKEN	5/22/2015@1235

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 WellHead Press. psia	Tubing WellHead Press. (P_w) (P_t) (P_c) psig	Tubing WellHead Press. psia	Duration (Hours)	Liquid Prod. Barrels
Shut-in						1100	1114	1057	1071		
Flow	1.250	101.9	52.60	63		1038	1052	902	916	24.0	

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
8.329	116.3	78.21	1.2432	0.9971	1.0087	814		0.647

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(Pc)^2$ = 1241.9 $(Pw)^2$ = 1107.5 Pd = % (Pc - 14.4) + 14.4 = $(Pa)^2$ = 0.207 $(Pd)^2$ =

$(P_c)^2 - (P_a)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2}$ or $\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$	LOG [ ]	Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope	n x LOG [ ]	Antilog	Open Flow Deliverability = R x Antilog Mcfd
1241.68	134.34	9.243	0.9658	0.500	0.4829	3.040	2476

OPEN FLOW 2476 Mcfd @ 14.65 psia DELIVERABILITY 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 26 day of May, 20 15

Witness (if any)

For Company

For Commission

Checked by