KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

FORM G-1
8-7-58

TYPE TEST: ☒ Initial ☐ Annual ☐ Special				TEST DATE: 12/2/03	
COMPANY			LEASE		WELL NO.
Priority Oil & Gas LLC			MOM		2-19
COUNTY	LOCATION		SECTION	TWP	RNG	ACRES
Cheyenne	N/2 NE NE		19	4	41W	
FIELD	RESERVOIR		PIPELINE CONNECTION			
Cherry Creek	Niobrara		Kinder Morgan			
COMPLETION DATE		PLUG BACK DEPTH	1359			PACKER SET AT
4/3/03		TOTAL DEPTH	1359			
CASING SIZE	WT.	ID	SET AT	PERF.		TO
4.500	10.500	4.052	1359	1174		1210
TUBING SIZE	WT.	ID	SET AT	PERF.		TO
NONE						
TYPE COMPLETION (Describe)			TYPE FLUID PRODUCTION			
co2 Frac			none			
PRODUCING THRU (Annulus/Tubing)			RESERVOIR TEMPERATURE F			BAR PRESS - Pa
casing			80			14.4 psia
GAS GRAVITY - Gg	% CARBON DIOXIDE		% NITROGEN			API GRAVITY OF LIQUID
.590	.170		5.110			
VERTICAL DEPTH (H)			TYPE METER CONN.			METER RUN SIZE
1192			Flange			2.067
REMARKS						

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (h_w) (h_t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS. psig	CASING WELLHEAD PRESS. (P_w) (P_t) (P_c) psia	TUBING WELLHEAD PRESS. psig	TUBING WELLHEAD PRESS. (P_w) (P_t) (P_c) psia	DURATION HOURS	LIQUID PROD. Bbls.
SHUT-IN						151	165			92.00	
1.	.750	68.90	2.90	46		143	157			.50	
2.	.750	71.80	8.10	46		136	150			.50	
3.	.750	73.80	12.40	46		133	147			.50	
4.	.750	76.80	29.10	47		127	141			.50	

FLOW STREAM ATTRIBUTES

RATE NO.	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 Q Mcfd	GOR	G_m
1.	2.779	83.3	15.54	1.3019	1.0137	1.0065	57		.590
2.	2.779	86.2	26.42	1.3019	1.0137	1.0067	97		.590
3.	2.779	88.2	33.07	1.3019	1.0137	1.0068	122		.590
4.	2.779	91.2	51.52	1.3019	1.0127	1.0070	190		.590

PRESSURE CALCULATION

RATE NO.	Pt psia	Pc psia	Pw psia	$(Pc)^2$ Thousands	$(Pw)^2$ Thousands	PLOTTING POINTS $(P_c)^2 - (P_w)^2$ Thousands	PLOTTING POINTS Q Mcfd	% SHUT-IN $100\left[\frac{Pw - Pa}{Pc - Pa}\right]$
1.	157.4	165.4	157.4	27.4	24.8	2.6	57.4	94.7
2.	150.4	165.4	150.4	27.4	22.6	4.7	97.6	90.1
3.	147.4	165.4	147.4	27.4	21.7	5.6	122.1	88.1
4.	141.4	165.4	141.4	27.4	20.0	7.4	190.1	84.1

INDICATED WELLHEAD OPEN FLOW Mcfd @ 14.65 psia "n" = .948

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 4 day of Dec, 20 03

Witness (if any)

For Company

For Commission

Checked by