KANSAS CORPORATION COMMISSION
ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev.8/98)

TYPE TEST:
☒ Open Flow
☒ Deliverability

TEST DATE: 12/3/03 API No. 023-20489-00-00

Company	Lease	Well Number
Priority Oil & Gas LLC	Uplinger	2-18

County	Location	Section	TWP	RNG(E/W)	Acres Attributed
Cheyene	W/2 SE NE	18	5	41W	

Field	Reservoir	Gas Gathering Connection
Cherry Creek	Niobrara	Kinder Morgan

RECEIVED
DEC 0 5 2003
KCC WICHITA

Completion Date	Plug Back Total Depth	Packer Set at
4-28-03	1499	

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4.500	10.500	40.520	1550	1329	1365

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
NONE					

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger?
co2 frac	none	

Producing Thru(Annulus/Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity- Gg
casing	4.770	.200	.593

Vertical Depth (H)	Pressure Taps	Meter Run Size
1347	Flange	2.067

Pressure Buildup: Shut in	11-28-03 @ 17:37	TAKEN	12-2-03 @ 15:50
Well on Line: Started	12-2-03 @ 15:50	TAKEN	12-3-03 @ 09:00

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						164	178			94.0	
Flow	.750	84.7	82.50	59		127	141			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
2.779	99.1	90.42	1.2986	1.0010	1.0074	329		.593

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(Pc)^2$ = 31.8 $(Pw)^2$ = 20.0 Pd = 47.1 % (Pc - 14.4) + 14.4 = $(Pa)^2$ = 0.207 $(Pd)^2$ = 7.06

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\left[\frac{(P_c)^2 - (P_a)^2 \text{ or } (P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}\right]$	LOG [ ]	Backpressure Curve Slope"n" ---- or ---- Assigned Standard Slope	n x LOG [ ]	Antilog	Open Flow Deliverability = R x Antilog Mcfd
31.62	11.83	2.672	.4269	.751	.3205	2.092	688
24.77	11.83	2.093	.3209	.751	.2409	1.742	573

OPEN FLOW 688 Mcfd @ 14.65 psia DELIVERABILITY 573 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 4 day of Dec, 20 03

Witness (if any)

For Company

For Commission

Checked by

EMPACT ANALYTICAL SYSTEMS INC

365 SOUTH MAIN STREET
BRIGHTON, CO 80601
303-637-0150

NATURAL GAS ANALYSIS

PROJECT NO. :	**0312006**	ANALYSIS NO. :	**03**
COMPANY NAME :	**PRIORITY OIL & GAS**	ANALYSIS DATE:	DECEMBER 2, 2003
ACCOUNT NO. :		SAMPLE DATE :	NOVEMBER 21, 2003
PRODUCER :	PRIORITY OIL & GAS	TO:	
LEASE NO. :	2-18	CYLINDER NO. :	0046
NAME/DESCRIP :	UPLINGER	LOCATION : SEC. 18-5S-41W	

FIELD DATA

SAMPLED BY :	K ANDREWS	AMBIENT TEMP.:	
SAMPLE PRES. :		GRAVITY :	0.593
SAMPLE TEMP. :		VAPOR PRES. :	
COMMENTS :	*PROBE*		

COMPONENTS	NORM. MOLE%	GPM @ **14.65**	GPM @ **14.73**
HELIUM	0.09	-	-
HYDROGEN	0.02	-	-
OXYGEN/ARGON	0.06	-	-
NITROGEN	4.77	-	-
CO2	0.20	-	-
METHANE	92.46	-	-
ETHANE	1.61	0.428	0.431
PROPANE	0.53	0.145	0.146
ISOBUTANE	0.09	0.029	0.029
N-BUTANE	0.11	0.035	0.035
ISOPENTANE	0.03	0.011	0.011
N-PENTANE	0.02	0.007	0.007
HEXANES+	0.01	0.004	0.004
TOTAL	100.00	0.660	0.663

BTU @ 60 DEG F	**14.65**	**14.73**
GROSS DRY REAL =	983.6	989.0
GROSS WET REAL =	966.4	971.8

DENSITY (AIR=1 @14.696 PSIA 60F) : 0.5933

COMPRESSIBILITY FACTOR : 0.99800

NOTE: REFERENCE GPA 2261(ASTM D1945), 2145, & 2172 CURRENT PUBLICATIONS