

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev.8/98)

RECEIVED
FEB 11 2002

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 02/05/02

KCC WICHITA 15-023-20389-0000

Company Priority Oil & Gas LLC		Lease Lauer Trust			Well Number 1-8	
County Cheyenne		Location W/2 S/2 SE/4		Section TWP RNG (E/W) 8-4s-40w		Acres Attributed
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Kinder-Morgan		
Completion Date 4/15/01		Plug Back Total Depth 1379		Packer Set at		
Casing Size 4.500	Weight 10.500	Internal Diameter 4.052	Set at 1420	Perforations 1217	To 1252	
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To	
Type Completion (Describe) Frac		Type Fluid Production		Pump Unit or Traveling Plunger? No		
Producing Thru (Annulus/Tubing) casing		% Carbon Dioxide .474		% Nitrogen 3.571		Gas Gravity- Gg .585
Vertical Depth (H) 1234		Pressure Taps Flange		Meter Run Size 2		
Pressure Buildup: Shut in		02/01/02 @ 16:00		TAKEN	02/04/02 @ 16:10	
Well on Line: Started		02/04/02 @ 16:10		TAKEN	02/05/02 @ 12:15	

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H ₂ O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P _w) (P _t) (P _c)		Tubing WellHead Press. (P _w) (P _t) (P _c)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						182	194			72.0	
Flow	.750	88.5	24.00	35		161	173			20.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcf/d	GOR	G _m
2.779	101.0	49.23	1.3074	1.0249	1.0085	184		.585

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(P_c)^2 = 37.8$ $(P_w)^2 = 30.1$ $P_d = 45.5$ $(P_c - 14.4) + 14.4 =$ $(Pa)^2 = 0.207$
 $(Pd)^2 = 7.83$

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{[(P_c)^2 - (P_a)^2]}{[(P_c)^2 - (P_d)^2]}$ or $\frac{[(P_c)^2 - (P_a)^2]}{[(P_c)^2 - (P_w)^2]}$	LOG	Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
37.67	7.72	4.879	.6883	.869	.5981	3.964	732
30.00	7.72	3.885	.5894	.869	.5122	3.252	601

OPEN FLOW 732 Mcfd @ 14.65 psia DELIVERABILITY 601 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 _____ day of _____, 20 _____

Witness (if any)

For Company

For Commission

Checked by

PRECISION MEASUREMENT, INC.
P.O.Box 3659
745 North Circle Drive
Casper, WY. 82602

2/5/2002 4:55 PM
Phone: 307-237-9327
800-624-7260
Fax: 307-577-4139
E Mail: pmi@trib.com

GAS ANALYSIS REPORT

Analysis For: PRIORITY OIL & GAS
Field Name:
Well Name: 1-8 LAUER TRUST
Station Number:
Purpose:
Sample Deg. F: 29
Volume/Day:
Formation:
Line PSIG: 102
Line PSIA:

Run No: 5466-6
Date Run: 2/4/02
Date Sampled: 1/30/02
Producer:
County:
State:
Sampled By: KEVIN ANDREWS
Atmos Deg. F:
LOCATION : SEC. 8-4S-40W

GAS COMPONENTS

		MOL%	GPM
Carbon Dioxide	C02:	0.474	
Nitrogen	N2:	3.571	
Hydrogen Sulfide	H2s:	0.0000	
Methane	C1:	94.203	
Ethane	C2:	1.256	0.335
Propane	C3:	0.369	0.101
Iso-Butane	IC4:	0.061	0.020
Nor-Butane	NC4:	0.068	0.021
Iso-Pentane	IC5:	0.000	0.000
Nor-Pentane	NC5:	0.000	0.000
Hexane Plus	C6+:	0.000	0.000
Totals		100.000	0.477

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Pressure Base: 14.730
Real BTU Dry: 991.353
Real BTU Wet: 974.103
Calc. Ideal Gravity: 0.585
Calc. Real Gravity: 0.586
Field Gravity:
Standard Pressure: 14.696
BTU Dry: 989.078
BTU Wet: 971.868
Z Factor: 0.998
Avg Mol Weight: 16.936
Avg CuF/Gal: 59.894
Ethane+ GPM: 0.477
Propane+ GPM: 0.142
Butane+ GPM: 0.041
Pentane+ GPM: 0.000

Remarks:

Analysis By: S.G. WALLACE
Approved By: