

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev. 8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 2/20/02

API No. 15-023-20421-0000

Company Devon Priority Oil & Gas LLC		Lease Zweygardt			Well Number 1-24	
County Cheyenne	Location NE NW SE	Section 24-3s-42w	TWP	RNG(E/W)	Acres Attributed	
Field Cherry Chreek	Reservoir Niobrara	Gas Gathering Connection Williams			RECEIVED MAR 21 2002 KCC WICHITA	
Completion Date 6/22/01	Plug Back Total Depth 1532	Packer Set at				
Casing Size 4.500	Weight 10.500	Internal Diameter 4.052	Set at 1574	Perforations 1392	To 1422	
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To	
Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? No				
Producing Thru (Annulus/Tubing) casing	% Carbon Dioxide .471	% Nitrogen 3.643	Gas Gravity- Gg .584			
Vertical Depth (H) 1407	Pressure Taps Flange	Meter Run Size 2				
Pressure Buildup: Shut in	2/14/02 @ 17:00	TAKEN	2/19/02 @ 9:20			
Well on Line: Started	2/19/02 @ 9:20	TAKEN	2/20/02 @ 9:15			

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						251	263			72.0	
Flow	.750	157.5	13.00	42		236	248			24.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcf/d	GOR	G _m
2.779	170.0	47.01	1.3086	1.0178	1.0137	176		.584

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 69.4 (P_w)² = 61.8 P_d = 59.8 % (P_c - 14.4) + 14.4 = (P_a)² = 0.207
(P_d)² = 24.81

$(P_c)^2 - (P_a)^2$ 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
69.28	7.67	9.027	.9556	.675	.6450	4.416	778
44.63	7.67	5.815	.7646	.675	.5161	3.282	578

OPEN FLOW 778 Mcfd @ 14.65 psia DELIVERABILITY 578 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 5 day of March, 20 02

Witness (if any)

For Company

For Commission

Checked by

I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request exempt status under rule K.A.R. 82-3-304 on behalf of the operator Devon

and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the Zweygardt gas well on the grounds that said well:

(check one)

- is a coalbed methane producer
- is cycled on plunger lift due to water
- is a source of natural gas for injection into an oil reservoir undergoing ER
- is on vacuum at the present time; KCC approval Docket No. _____
- is incapable of producing at a daily rate in excess of 150 mcf/D

Date: 3-18-02

Signature: 

Title: Admin. Asst.

Instructions:

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under "observed surface data." Shut-in pressure shall thereafter be reported yearly in the same manner.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.