Submit in duplicate to appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

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Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator	DEVON ENERGY				Lease or Unit Name	CROW FLAT "29" FED COM	
Type Test: ☑ Initial ☐ Annual ☐ Special					Test Date: 10/4/01	Well No.: 2	
Completion Date	Total Depth			Plug Back TD	Elevation	Unit Ltr - Sec - TWP - Rge: 29 16S 28E	
Csg. Size	Wt.	d	Set . t	Perforations: From: 9142 To: 9570		County: EDDY	
Tbg. Size: 2 7/8	Wt.: 6.5	d: 2.441	Set . t: 9046	Perforations: From: To:		Pool: Crow Flats Morrow	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple: SINGLE				Packer Set At: 9046		Formation	
Producing Thru: Tubing	Reservoir Temp.°F: 148.9		Mean Annual Temp. °F: 60	Baro. Press.-P_a: 13.2		Connection: AIR	

L	H	Gg	%CO_2	%N_2	%H_2S	Prover	Meter Run	Taps
9038	9038	.655	0.439	0.501	N/A	N/A	4.026	FLG

	FLOW DATA				TUBING DATA		CASING DATA		
No.	Prover Line Size x Orifice Size	Press p.s.i.g.	Diff. h_w	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Duration of Flow
SI					2341	N/A	PKR	N/A	
1	4.026 X 1.500	100	2	62	2130				1 HR
2	4.026 X 1.500	100	4	62	1934				1 HR
3	4.026 X 1.500	100	8	62	1701				1 HR
4	4.026 X 1.500	100	12	62	1399				1 HR
5									

RATE OF FLOW CALCULATIONS

No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor F_g	Super Compress Factor F pv	Rate of Flow Q. Mcfd
1	10.84	5.04	113.2	0.9981	1.236	1.052	211
2	10.84	1.3	113.2	0.9981	1.236	1.052	299
3	10.84	30	113.2	0.9981	1.236	1.052	422
4	10.84	6.8	113.2	0.9981	1.236	1.052	517
5							

No.	P_r	Temp. °R	T_r	Z
1	0.77	522	1.4	0.903
2	0.77	522	1.4	0.903
3	0.77	522	1.4	0.903
4	0.77	522	1.4	0.903
5				

Gas Liquid Hydrocarbon Ratio: N/A Mcf bbl.
A.P. I. Gravity of Liquid Hydrocarbons: N/A Deg.
Specific Gravity Separator Gas: 0.655 XXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 673 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 372 R. ____ R

P_c 2434.5 P_c2 5925.8

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		2236.8	5003.3	923.5
2		2047.4	4191.8	1735
3		1813	3286.9	2639.9
4		1496.4	2239.2	3687.6
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.36$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 705.7$

Absolute Open Flow: 705.7 Mcfd @ 15.025 | Angle of Slope (): 56.43 | Slope n: 0.663

Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES.

Approved By Division:	Conducted By: PRO WELL TESTING	Calculated By: MERV BUECKER	Checked By: BM