NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

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MAY 15 19[illegible]

Form C-122
Revised 10-1-78

File

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 4/14/85

Company: PETROLEUM DEVELOPMENT CORP.	Connection: Unconnected				
Pool: S. Pecos Slope Abo	Formation: Abo			Unit:	
Completion Date: 4-14-85	Total Depth: 4168'	Plug Back TD: 3940'	Elevation: 3525'	Farm or Lease Name: Mary K.	
Csg. Size: 4 1/2" / Wt.: 9.5# / d: / Set At: 3981'	Perforations: From 3551' To ~~3886'~~ 3586			Well No.: 1	
Tbg. Size: 2 3/8" / Wt.: 4.7# / d: / Set At: 3889'	Perforations: From Open Ended To			Unit: D / Sec.: 29 / Twp.: 10S / Rge.: 25E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: -			County: Chaves	
Producing Thru: Tubing	Reservoir Temp. °F: 103° @ 3940'	Mean Annual Temp. °F: 60°	Baro. Press. – P_a: 13.2	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		0.677	0.382	19.9				

FLOW DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI					868		890		72 hr. SI
1.	12/64" Choke				250		350		24 hr.
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							200
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas 0.677 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c _____ P_c^2 _____

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____

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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 200

Post ID-2
5-24-85
Comp + BH

Absolute Open Flow 200 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n _____

Remarks: 24 hour Flow test on 12/64" choke, Tubing Pressure stabilized @ 250 psi
Well still cleaning frac water.

Approved By Commission:	Conducted By:	Calculated By:	Checked By: