NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8-18-77	
Company: Dietrich Exploration Company			Connection:		
Pool: Nipp			Formation: Pictured Cliff		Unit:
Completion Date: 8-18-77	Total Depth: 1300		Plug Back TD: 1253	Elevation: 6006 GL	Farm or Lease Name: State
Csg. Size: 2 7/8 / Wt.: 6.4 / d: / Set At: 1285			Perforations: From 1214 To 1234		Well No.: 1
Tbg. Size: N/A / Wt.: / d: / Set At:			Perforations: From To		Unit: / Sec.: 2 / Twp.: 26N / Rge.: 13W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: N/A		County: San Juan
Producing Thru: Casing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:		State: New Mexico
L:	H:	Gg: .620	% CO_2:	% N_2:	% H_2S:
Prover:	Meter Run:	Taps:			

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					236				
1.	2x6x.75				41	40°			3 Hrs.
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	11		53	1.020	1.270	1.0082	761
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	Z
1.	.08	500	1.37	.9838
2.				
3.				
4.				
5.				

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

P_c 248 P_c^2 61504

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		53	2809	58695
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0479$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0405$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 792$

Absolute Open Flow 792 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission: | Conducted By: John Alexander | Calculated By: | Checked By: