NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 1-7-83
Company: VERYL F. MOORE	Connection: GAS COMPANY OF NEW MEXICO		
Pool: BALLARD	Formation: PICTURE CLIFF		Unit: NM 029-1
Completion Date: 12-31-82	Total Depth: 2950	Plug Back TD: 2900	Elevation: 6964
Csg. Size: 2.875 / Wt.: 6.4 / d: 2.441 / Set At: 2933	Perforations: From 2837 To 2888		Farm or Lease Name: CON HALE
Tbg. Size: NONE / Wt. / d / Set At	Perforations: From N/A To N/A		Well No.: 1 J
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE	Packer Set At: NONE		Unit: G / Sec.: 24 / Twp.: 26 / Rge.: 8
Producing Thru: CASING	Reservoir Temp. °F	Mean Annual Temp. °F	County: SAN JUAN
L / H / Gg: 0.675	% CO_2 / % N_2 / % H_2S	Prover / Meter Run / Taps	State: NEW MEXICO

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											
1.	2"		0.750	98		58			443		7 days
2.											3 hrs.
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	12.365		110	1.0019	0.9427	1.009	1296
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 455 P_c^2 207025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	110	137	18769	188256
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0997$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0841$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1405$

Absolute Open Flow 1405 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: WELL BLEW DRY GAS THROUGHOUT THE TEST.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	VERYL F. MOORE	H.E. McANALLY	