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	
Company: Dave M. Thomas, Jr.		Connection: Waiting on Pipeline			
Pool: Ballard P. C.		Formation: Pictured Cliffs		Unit	
Completion Date: 5-9-77	Total Depth: 3246	Plug Back TD: 3198	Elevation: 7392'KB	Farm or Lease Name: Chacon Jicarilla	
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 3232'		Perforations: From 3096' To 3160'		Well No.: 8	
Tbg. Size: 1.660 / Wt.: 2.40 / d: 1.380 / Set At: 3115		Perforations: From Open To Ended		Unit: B / Sec.: 22- / Twp.: 23N- / Rge.: 3W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: Sandoval	
Producing Thru: Tubing	Reservoir Temp. °F: 96 @ 3246	Mean Annual Temp. °F: --	Baro. Press. – P_a: 12.0	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
3115	3115	0.600	--	--	--	--	--	--

	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					730		750		9 days
1.	3/4"THC				300	60	500		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	12.3650		312	1.0000	1.0000	1.0000	3,858
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 762 P_c^2 580,644

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		512	262,144	318,500
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8230$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6660$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6,428$

Absolute Open Flow 6,428 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

MAY [illegible] OIL CON. [illegible]

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Roger McGowen	Ewell N. Walsh	