NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

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Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 5-20-78	
Company: Hixon Development Company	Connection:			
Pool: NIPP-PC	Formation: Pictured Cliffs		Unit:	
Completion Date: 5-20-78	Total Depth: 1250'	Plug Back TD: 1196'	Elevation: 6159' GL	Farm or Lease Name: Hixon Federal
Csg. Size: 2-7/8" / Wt.: 6.5# / d: / Set At:	Perforations: From 1092 To 1102			Well No.: 1
Tbg. Size: / Wt.: / d: / Set At:	Perforations: From To			Unit: G / Sec.: 4 / Twp.: 25N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At:			County: San Juan
Producing Thru: Casing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0 psia	State: New Mexico

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

	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	7 days shut-in						203		
1.	2" x 3/4"						9		3 hours
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	9.453		9	0.9943	1.30		110
2.							
3.							
4.							
5.							

NO.	P_r	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 215 P_c^2 46225

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

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0096$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.008$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 111 MCFD

Absolute Open Flow 111 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

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