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: 8-9-77	
Company: Hixon Development Company		Connection: ---			
Pool: NIPP - PC		Formation: Pictured Cliffs			Unit:
Completion Date: 8-3-77	Total Depth: 1247'	Plug Back TD: 1189'		Elevation: 6225' GL	Farm or Lease Name: Ka Gee Tah
Csg. Size: 2 7/8" / Wt.: 6.5 / d: / Set At: 1242'		Perforations: From 1116' To 1128'			Well No.: 1
Tbg. Size: 1 1/4" / Wt.: 2.3 / d: / Set At: 1120'		Perforations: From To			Unit: F / Sec.: 10 / Twp.: 25 / Rge.: 12
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At:			County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0		State: New Mexico
L	H	Gg	% CO_2	% N_2	% H_2S / Prover: X / 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	7 Days				222		220		
1.	2" x 3/4"				66		18	60	3 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	9.453		30	1.000	1.302	--	369
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 0.590
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 234 P_c^2 54756

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1	78		6084	48672
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1250$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1053$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 408$

Absolute Open Flow 408 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

AUG 12 1977
OIL CON. COM.
DIST. 3

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		A. L. Kuchera	