December 29, 1977

Hixon Development Company
Ka Da Pah No. 2
1850' FSL, 790' FWL, Section 4-T25N-R12W
San Juan County, New Mexico

Deviation Survey

Date	Depth	Inclination
11-28-77	1270'	3/4°

By: Aldrich L. Kuchera

Aldrich L. Kuchera
Petroleum Engineer and
Production Manager

IN WITNESS WHEREOF, I have hereunto set my hand and official seal on the day and year above written.

Notary Public

My commission expires 2/7/78.

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: 1-27-78	
Company: Hixon Development Company		Connection:			
Pool: NIPP - PC		Formation: Pictured Cliffs			Unit:
Completion Date: 1-27-78	Total Depth: 1270'		Plug Back TD: 1210'	Elevation: 6132'	Farm or Lease Name: Ka Da Pah
Csg. Size: 2 7/8" / Wt.: 6.5# / d: / Set At: 1240'			Perforations: From 1146' To 1063'		Well No.: 2
Tbg. Size: 1 1/4" / Wt.: 2.3# / d: / Set At: 1092'			Perforations: From To		Unit: L / 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: 1 1/4" Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12		State: New Mexico

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

	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					205		208		
1.	2"	x 3/4"				3		26		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	9.453		15	0.9943	1.30		183
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 220 P_c^2 48400

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		38	1444	46956
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.031$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.026$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 188$

Absolute Open Flow 188 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

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