NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

RECEIVED
FEB 10 1982
OIL CON. COM.
DIST. 3

Type Test: [x] Initial [ ] Annual [ ] Special			Test Date: 2/5/82	
Company: Hixon Development Company	Connection:			
Pool: Bisti Farmington	Formation: Farmington Sand			Unit:
Completion Date: 1/29/82	Total Depth: 1200'	Plug Back TD: 690'	Elevation: 6092'	Farm or Lease Name: Chaco Wash Com.
Csg. Size: 2-7/8" / Wt.: 6.5# / d: 2.441 / Set At: 1196'		Perforations: From 607' To 645'		Well No.: 2
Tbg. Size: 1-1/4" / Wt.: 2.3# / d: 1.380 / Set At: 623'		Perforations: From Open Ended To		Unit: I / Sec.: 32 / Twp.: 26N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 558'		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: 78° @ 645'	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.2	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
.623	607	.600				xx		

	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 day shut in				248				SI 7 days
1.	2" x 1/4"	58		60°F	58	60°	0		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	1.087		70.2	1.000	1.2910	1.0193	100
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	.10	520	.10	.987
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 260.2 P_c^2 67704

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	4928		4928	62776
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0785$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0663$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 107$

Absolute Open Flow 104 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	LDB, ALK	MRH	