NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-78

RECEIVED
FEB 22 1982
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 2/12/82	
Company: Hixon Development Company				Connection:	Unit:
Pool: WAW-Fruitland-PC				Formation: Pictured Cliffs	
Completion Date: 1/25/82	Total Depth: 1326'		Plug Back TD: 1077'	Elevation: 6092' GLE	Farm or Lease Name: Chaco Wash Com.
Csg. Size: 2-7/8" / Wt.: 6.5# / d: 2.441 / Set At: 1321'				Perforations: From 1060' To 1072'	Well No.: 1J
Tbg. Size: 1-1/4" / Wt.: 2.3# / d: 1.380 / Set At: 1057'				Perforations: From Open Ended To	Unit: I / Sec.: 32 / Twp.: 26N / Rge.: 12W
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Single			Packer Set At:		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: 82°F @ 1072'		Mean Annual Temp. °F:	Baro. Press. – P_a: 12.2	State: New Mexico
L: 1057	H: 1060	Gg: 0.600	% CO_2:	% N_2:	% H_2S:
Prover: XX	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 day shut in				183		221		SI 7 days
1.	2" x 1/4"	43		60°F	42	60°F			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		55.2	1.000	1.291	1.005	78
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	0.09	520	1.45	0.9910
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 233.2 P_c^2 54382

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	3047		3047	51335
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0594$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0502$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 82$

Absolute Open Flow 82 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

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