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: 11-20-69	
Company: Joseph B. Gould	Connection:			Unit: DIST. 3
Pool: Ballard	Formation: Pictured Cliff			
Completion Date: 11-20-69	Total Depth: 3278	Plug Back TD: 3247	Elevation: 7416 GL	Farm or Lease Name: Apache
Csg. Size: 4½ / Wt.: 9.5 / d: 4.090 / Set At: 3249	Perforations: From 3188 To 3199 / From 3208 To 3212			Well No.: 2
Tbg. Size: 1.90 / Wt.: 2.79 / d: 1.610 / Set At: 3216	Perforations: From 3212 To 3216			Unit: B / Sec.: 18 / Twp.: 23N / Rge.: 3W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At:			County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: e	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico
L: 3216 / H:	Gg: .650 Est.	% CO_2:	% N_2:	% H_2S: / Prover: / 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							730		730		8 days
1.	3/4" TC Choke			38			38	57	174		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	12.3650		50	1.0029	.9608		596
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 742 P_c^2 550,564

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		186	34,596	515,968
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.067$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0567$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 630$

Absolute Open Flow 630 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	David L. Collis	David L. Collis