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: 11-13-74	
Company: Caulkins Oil Co.	Connection:			
Pool: South Blanco	Formation: Pictured Cliffs			Unit:
Completion Date: 11-5-74	Total Depth: 3775'	Plug Back TD: 3775'	Elevation: 6572 Gr.	Farm or Lease Name: Breech
Csg. Size: 4 1/2" / Wt.: 12.6	d: 3.833 / Set At: 3775	Perforations: From 2708 To 2724		Well No.: 36S
Tbg. Size: 1" / Wt.: 1.7#	d: 1.049 / Set At: 2650	Perforations: From None To		Unit: I / Sec.: 23 / Twp.: 26N / Rge.: 7W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Multple			Packer Set At: 3536	County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico

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

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
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	
SI	8 days				733		733		
1.					31		437		
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	14.1605		43	1.000	1.000	1.000	609
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 _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c _____ P_c^2 _____

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		449	201,601	353,424
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.57$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4672$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 893$

Absolute Open Flow 893 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

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