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: 7-7-76	
Company: Caulkins Oil Company		Connection:			
Pool: South Blanco		Formation: Pictured Cliffs			Unit:
Completion Date: 6-30-76	Total Depth: 3200'		Plug Back TD: 3200	Elevation: 6593	Farm or Lease Name: Breech "C"
Csg. Size: 2 7/8" / Wt.: 6.4 / d: 2.441 / Set At: 3200			Perforations: From 3092 To 3162		Well No.: 216
Tbg. Size: 1" / Wt.: 1.7 / d: 1.049 / Set At: 3081			Perforations: From None To		Unit: P / Sec.: 12 / Twp.: 26N / Rge.: 6W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single Gas			Packer Set At:		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

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	7 Days						1059		1061		
1.							35		605		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	14.1605		47	1.000	1.000	1.000	666
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

JUL 12 1976
OIL CON. COM.
DIST. 3

P_c 1061 P_c^2 1,125,721

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		617	380,689	745,032
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.51$

$\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4194$

$\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 945$

Absolute Open Flow 945 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 85

Remarks: _____

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