NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
APR 6 1976
OIL CON. COM.
DIST. 3

Type Test: ☑ Initial ☐ Annual ☐ Special				Test Date: 4-2-76	
Company: CONTINENTAL OIL Co.	Connection: UNCONNECTED				
Pool: SOUTH BLANCO P.C.	Formation: PICTURED CLIFFS				Unit
Completion Date	Total Depth: 6100		Plug Back TD: 5770	Elevation: 7288 GL	Farm or Lease Name: JICARILLA APACHE N
Csg. Size: 5 1/2 / Wt.: 14 / d: / Set At: 6338'	Perforations: From 3843 To 3853				Well No.: 10
Tbg. Size: 1 1/4 / Wt.: / d: 1 / Set At: 3858	Perforations: From To				Unit: O / Sec.: 2 / Twp.: 25N / Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: DUAL			Packer Set At: 5770		County: RIO ARRIBA
Producing Thru: TUBING	Reservoir Temp. °F: 95 @ 3580	Mean Annual Temp. °F: 50	Baro. Press. – P_a: 12.2		State: N. MEX

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
3858	3858	.695				3/4" CHOKE NIPPLE		

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	7 DAYS						832	50	930	50	7 DAYS
1.				104		27	104	27	719		3 HR FLOW
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	9.604		116.200	1.033	1.200	1.000	1383
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

P_c 992.2 P_c^2 984127

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		731.200	534653	253088
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.514$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.189$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3027$

Absolute Open Flow 3027 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	PAT DEFOE	PAT DEFOE	