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: 9-9-76	
Company: Goulding Oil Company		Connection:			
Pool: Ulibe Chacra		Formation: Chacra		Unit:	
Completion Date: 9-2-76	Total Depth: 6865	Plug Back TD: 4200	Elevation: 6668	Farm or Lease Name: Breech "B"	
Csg. Size: 7" / Wt.: 23# / d: 6.366 / Set At: 6870		Perforations: From 3957 To 4053		Well No.: 5E1	
Tbg. Size: 1" / Wt.: 1.7 / d: 1.049 / Set At: 3960		Perforations: From 3960 To		Unit: L / Sec.: 5 / Twp.: 26N / Rge.: 6W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		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						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"					760		1060		
1.						27		530		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 F_t	Gravity Factor F_g	Super Compress. Factor, F_{pv}	Rate of Flow Q, Mcfd
1.	4.1535		39	1.000	1.000	1.000	552
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 = 772 P_c^2 = 595,984

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		512	393,796	202,188
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.31

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.2[illegible]

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 687

SEP 13 1976
OIL CON. COM.
DIST. 3

Absolute Open Flow 687 Mcfd @ 15.025 Angle of Slope θ 75 Slope, n

Remarks:

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