3 NMOCC 1 McHugh PLANT 2 FILE

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JUL 7 1970
OIL CON. COM.
DIST. 3

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date	
Company: Jerome P McHugh	Connection			Unit
Pool: So. Blanco P.C.	Formation: Pictured Cliffs			
Completion Date: 6-5-70	Total Depth: 3075	Plug Back TD: 3034	Elevation: 6659 GR.	Farm or Lease Name: Oxnard
Csg. Size: 4 1/2 / Wt.: 9.5 # / d: / Set At: 3073		Perforations: From 2963 To 2990		Well No.: 2
Tbg. Size: 1 1/4" / Wt.: 2.4" / d: 1.380 / Set At: 2957		Perforations: From Open End To		Unit: P / Sec.: 11 / Twp.: 27N / Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico
L / H / Gg: .62	% 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					833		833		
1.									
2.	5/8" Pos. Ck.	81		60°			293		3 HRS.
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							
2.	8.5417		93	1.000	.9837	1.000	781
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 845 P_c^2 714,025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2		305	93,025	621,000
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1498$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n} = 1.1259$ (n = .75)

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n} = 879$

Absolute Open Flow 879 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: Very dry throughout test

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. Meeks	J. Meeks	