NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 6-6-69		
Company: Jerome P. McHugh	Connection				
Pool: Ballard	Formation: Pictured Cliffs			Unit	
Completion Date: 5-26-69	Total Depth: 2300	Plug Back TD	Elevation: 6488	Farm or Lease Name: Nordhaus	
Csg. Size: 4½ / Wt.: 9.5 / d / Set At: 2299	Perforations: From 2182 To 2218			Well No.: 8	
Tbg. Size: 1¼ / Wt.: 2.4 / d / Set At: 2218	Perforations: From Open ended To			Unit: I / Sec.: 20 / Twp.: 25N / Rge.: 7W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas		Packer Set At: —		County: Rio Arriba	
Producing Thru: Tbg	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico	
L / H / Gg: 0.630	% 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							560		586		
1.											
2.											
3.	2		3/4"	60		62			407		3hrs
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.							
3.	12.365		72	.9981	.9759	1.000	867
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 598 P_c^2 357,604

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3		419	175,561	182,043
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9643$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.777$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1541$

Absolute Open Flow 1541 Mcfd @ 15.025 Angle of Slope _____ Slope, n 0.85

Remarks: Very dry

RECEIVED
JUN 12 1969
OIL CON. COM.
DIST. 3

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