NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
SEP 29 1970
OIL CON. COM.
DIST. 3

Type Test: ☒ Initial ☐ Annual ☐ Special		Test Date	
Company: Jerome P. McHugh	Connection		Unit
Pool: Basin Dakota	Formation: Dakota		
Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name: Nicol
Csg. Size	Wt.	d	Set At	Perforations: From To	Well No. 1
Tbg. Size 1¼"	Wt.	d 1.380	Set At 6150	Perforations: From Open End To	Unit C · Sec. 8 · Twp. 26N · Rge. 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas			Packer Set At	County: San Juan
Producing Thru	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
		.65						

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
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	
SI					720		720		
1.									
2.	3/4" Choke	6				62°	681		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.	12.365		18	1.000	.9608	1.000	214
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 732 P_c^2 535,824

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2		693	480,249	55,575
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 9.6415$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n \cdot 75} = 5.4715$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n} = 1171$

Absolute Open Flow 1171 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

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