

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form O-130
Revised 1-1-61

RECEIVED

AUG 27 1969

**OIL CON. COM.
DIST. 3**

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-2-69	
Company Jerome P. McHugh				Connection	
Pool Undesignated				Formation Gallop	
Completion Date 7-11-69		Total Depth 8100		Plug Back TD 8070	
Elevation 7007 Gr.		Farm or Lease Name Ticorilla A			
Csg. Size 5 1/2	Wt. 14.15.17	d	Set At 8090	Perforations: From 7410 To 7419	
Well No. 3					
Tbg. Size 1 1/4	Wt. 2.4	d	Set At 7424	Perforations: From 7422 To 7424	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual Gas - Gas				Packer Set At 7849	
Producing Thru Tbg		Reservoir Temp. °F @		Baro. Press. - P _a	
County Rio Arriba		State New Mexico			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							1350		1357		
1.											
2.											
3.	2		3/4	72		62			609		3 hrs.
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.	12.3650		84	9981	.7393	1.000	974
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1369	P _c ² 1874161				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1					
2					
3		621	385641	1488520	
4					
5					

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.259 \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.188$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1157$$

Absolute Open Flow 1157 Mcfd @ 15.025 Angle of Slope @ 75 Slope, n .75

Remarks:

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