

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

Form O-123
Rev. 1-1-61

RECEIVED

JUL 30 1969

**OIL CON COM.
DIST. 3**

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-13-69	
Company Jerome P. McHugh		Connection	
Pool Baltard P.O.		Formation Pictured Cliff	
Completion Date		Total Depth 2300	Plug Back TD 2267
Elevation		Farm or Lease Name Hordness	
Csg. Size 4 5/8	Wt. 7.34	d	Set At 2800
Perforations: From 2167 To 2225		Well No. 7	
Tbg. Size 1 1/2	Wt. 2.44	d	Set At 2250
Perforations: From Conn. End To		Unit Sec. Twp. Rgs. B 20 25N 7W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At	
Producing Thru		Reservoir Temp. °F @	Mean Annual Temp. °F
Baro. Press. - P _a		County Pecos	
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.	
SI									528	
1.										
2.	3/4 choke			62		65°				3 1/2 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		74	1.000	1.000	1.000	915
3.							
4.							
5.							

NO.	P _r	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 _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c = 40	P _c ² = 1600	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0194$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0164$
NO	P _i ²	P _w	P _w ²	P _c ² - P _w ²		
1						
2	5.476		55.71	1600 - 55.71 = 1544.29		
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 930$

Absolute Open Flow	930	Mcfd @ 15.025	Angle of Slope	Slope, n .85
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Remarks: This well could not be tested due to pump failure.

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