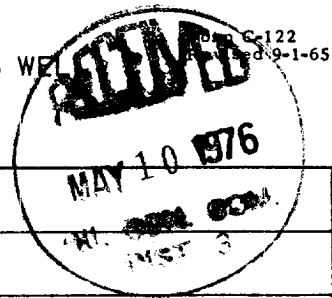


3-NMOCC 2-Mountain Fuel 1-Northwest Pipeline 1-File
(Mickel & Zubatch) (Jim Prentice)

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



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5-7-76		RECEIVED MAY 10 1976 N.M. OIL CON. COM. TEST 3	
Company Dugan Production Corp.				Connection				
Pool Wildcat				Formation Pictured Cliffs				
Completion Date 4-29-76		Total Depth 3040'		Plug Back TD 2850'		Elevation 6868' GR		
Farm or Lease Name Mountain		Well No. 1		Unit J		Sec. 15	Twp. 24N	Rge. 8W
Csg. Size 2-7/8"		Wt. 6.5#		Set At 3037'		Perforations: From 2030' To 2039'		
Tbg. Size		Wt.		Set At		Perforations: From To		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas					Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps
			.62					

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									585		7 days
1.											
2.											
3.	5/8" Pos Choke								3	59°	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	8.5417		15	1.001	.9837	1.000	126
4							
5							

NO.	P _t	Temp. °R	T _f	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 597 P_c² 356,409

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		15	225	356,184
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0006}{1.0000}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0000}{1.0000}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{126}{1.0000}$

Absolute Open Flow 126 Mcfd @ 15.025		Angle of Slope Θ _____		Slope, n .85	
Remarks: _____					
Approved By Commission:		Conducted By: Charles Hall		Calculated By: Charles Hall	
				Checked By:	