

3-NMOCD 1-El Paso 1-File

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-15-79			
Company Dugan Production Corp.				Connection					
Pool WAW Fruitland PC				Formation Pictured Cliffs				Unit	
Completion Date 9-7-79		Total Depth 1527'		Plug Back TD 1465'		Elevation 6154'		Farm or Lease Name Thomas Jefferson	
Csg. Size 2-7/8"	Wt. 6.5#	d	Set At 1512'	Perforations: From 1384 To 1398		Well No. #3			
Tbg. Size 1-1/4"	Wt. 2.4#	d	Set At 1397'	Perforations: From Open To End		Unit Sec. Twp. Rge. C 34 27N 13W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan	
Producing Thru tbg		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	

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							191		193		7 days
1.											
2.											
3.	1/2" Pos. Choke						1	60	15		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	5.4315		13	1.000	.9837	1.000	69
4							
5							

NO.	P _f	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 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	

NO.	P _f	P _w	P _w ²	P _f ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1					1.0176	1.0149
2						
3		27	729	41296		
4						
5						

Absolute Open Flow 70 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .85	
Remarks: _____							
Approved By Commission: _____ Conducted By: Hall Calculated By: Hall Checked By: _____							