

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 5-10-76	
Company Dugan Production Corp.				Connection		
Pool Undesignated Fruitland				Formation Fruitland		Unit
Completion Date 5-3-76		Total Depth 1355'		Plug Back TD 1321'		Elevation 6100' GR
Csq. Size 2-7/8"	Wt. 6.5#	d 2.441	Set At 1351'	Perforations: From 1175' To 1188'		Well No. 6
Tbg. Size 1-1/4"	Wt. 2.3#	d	Set At 1190'	Perforations: From Open Ended To		Unit Sec. Twp. Rge. J 7 26N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County San Juan
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a
L		H	G _g .62	% 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							395		395		7 days
1.											
2.											
3.	5/8" Pos Choke					60°	14		84		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		26	1.000	.9837	1.000	218
4							
5							

NO.	P _t	Temp. °F	MAY 12 1976 OIL CON. COM. DIST. 3	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

P _c 407	P _c ² 165,649						
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0589$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n^{.85}} = 1.0498$	
1							
2							
3		96	9,216	156,433			
4							
5							

Absolute Open Flow 229 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .85	
Remarks: _____							
Approved By Commission:		Conducted By: Charles Hall		Calculated By: Jim L. Jacobs		Checked By:	