

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-16-83	
Company Dugan Production Corp.				Connection		
Pool Undesignated Fruitland				Formation Fruitland		Unit
Completion Date 12-10-83		Total Depth 2100'		Plug Back TD 2060'		Elevation 5925' GL
Farm or Lease Name Seven of Diamonds						
Csq. Size 2-7/8"	Wt. 6.4#	d 2.441	Set At 2097'	Perforations: From 1720 To 1738		Well No. 2
Tbg. Size None	Wt.	d	Set At	Perforations: From To		Unit Ser. Twp. Rge. I 2 30N 13W
Type Well - Single - Bradenhead - G.C. 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 .62 est.	% 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									680		7 days
1.											
2.											
3.	1/2" pos. choke			36		60°					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		48	1.000	.9837	1.000	256
4.							
5.							

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

P_c 692 P_c² 478,864					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0052$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{.85} = 1.0044$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1						
2	2304		2457	476,407		
3						
4						
5						

AOOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 257$			Absolute Open Flow <u>257</u> Mcfd @ 15.025		Angle of Slope θ _____		Slope, n <u>.85</u>	
Remarks: _____								
Approved By Division			Conducted By: Brown		Calculated By: Jacobs		Checked By:	