

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 6-18-87	
Company DUGAN PRODUCTION CORP.				Connection		
Pool Undesignated Pictured Cliffs				Formation Pictured Cliffs		Unit
Completion Date		Total Depth		Plug Back TD		Elevation
Farm or Lease Name Buddha Temple						
Csq. Size 2-7/8"	Wt. 6.4	d	Set At 1970	Perforations: From To		Well No. 1
Thg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. I 30, T24N, 8W, NMPM
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At		County San Juan
Producing Thru		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									410		7 days
1.											
2.											
3.	.375								2		3 hrs
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	3.0829		14	.9981	.9837	1.000	42
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 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 _i ²	P _w	P _w ²	P _c 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						
2						
3						
4						
5						

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

Absolute Open Flow _____ 42 _____ Mcfd @ 15.025		Angle of Slope θ _____		Slope, n _____	
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Remarks: _____

Approved By Division	Conducted By: Brown	Calculated By:	Checked By: Jacobs
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JUL 06 1987
OIL CON. DIV
DIST. 3