

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5-12-75					
Company Dugan Production Corp.					Connection					
Pool WAW Pictured Cliffs					Formation Pictured Cliffs					
Completion Date 5-5-75			Total Depth 1375'		Plug Back TD 1356'		Elevation 6139' GR		Farm or Lease Name FAF	
Csg. Size 2-7/8"	Wt. 6.4#	d	Set At 1371'	Perforations: From 1298' To 1322'				Well No. 1		
Thq. Size None	Wt.	d	Set At	Perforations: From To				Unit Sec. Twp. Rge. P 30 27N 13W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas					Packer Set At					County San Juan
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g		State New Mexico		
L	H	G _g .61	% 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									207.		7 Days
1.											
2.	5/8" Pos. Choke			12		58 ⁰					3 Hrs
3.											
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		24	1.0019	.9918	1.000	204
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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2		24	576	47385
3				
4				
5				

P_c 219 P_c² 47961

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.01216$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 206$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{1.0103} = 1.0103$

Absolute Open Flow	206	Mcfd @ 15.025	Angle of Slope @	Slope, n .85
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RECEIVED
MAY 14 1975
OIL CON. COM.
DIST. 3

Approved By Commission:	Conducted By: Jacobs	Calculated By: Dugan	Checked By:
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