

Form Approved.
- Budget Bureau No. 42-R1424

BY FARMING *Sm m*

3 NMOCD

1 So. Un Expl.

1 File

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-14-82	
Company Dugan Production Corp.		Connection	
Pool WAW-Fruitland P.C.		Formation Pictured Cliffs	
Completion Date 9-7-82	Total Depth 1500'	Plug Back TD 1442'	Elevation 5986
Csg. Size 2-7/8"	Wt. 6.5#	d 2.441	Set At 1477'
Perforations From 1382 To 1400	Well No. 2		
Perforations From open end To	Unit P		Sec. 29
Type Well - Single - Bradenhead - G.C. or G.O. Multiple single - gas		Packer Set At	County San Jua
Producing Thru tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a
L	H	G _g .62	% CO ₂
FLOW DATA		TUBING DATA	
NO.	Prover Line Size	X	Orifice Size
SI			
1.			
2.			
3.	7/16 pos. choke		
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1			
2.			
3.	4.1423		13
4.			
5.			
NO.	R _t	Temp. °R	T _r
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ XXXXXXXXXX			
Specific Gravity Flowing Fluid _____ XXXXXX			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
NO.	P _c	P _c ²	P _w
1	262	68,644	
2			
3			57
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0497$			
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0370$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 55$			
Absolute Open Flow 55		Mcf/d @ 15.025	Angle of Slope @
Slope, n .75			
Remarks:			
Approved By Division		Conducted By Hall	Calculated By Hall
		Checked By	