

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 3-15-69	
Company Dugan Production Corp				Connection		
Pool Wildcat				Formation Fruitland		Unit
Completion Date 3-3-69		Total Depth		Plug Back TD 1080	Elevation 5552	Farm or Lease Name Federal I
Csg. Size 2 7/8	Wt. 6.5	d	Set At 1268	Perforations: From 760 To 865		Well No. 4
Tbg. Size None	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. C 1 29N 14W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At B.P.		County San Juan
Producing Thru Log		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a
State New Mexico						
L	H	G _g 0.62	% 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.	
SI									257	
1.										
2.										
3.	5/8		36			62				
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.	8.3555		48	0.9981	0.9839	1.00	394
4.							
5.							

NO.	P _f	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 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 _f 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.						

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope θ _____
Remarks: _____		
Approved By Commission:	Conducted By: D. H. [Signature]	Calculated By:
		Checked By:

