

3 NMOCD

1 EPNG

1 File

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9/28/82	
Company Dugan Production Corp.		Connection	
Pool Undesignated		Formation Fruitland	
Completion Date 9/17/82		Total Depth 1840	Plug Back TD 1580
		Elevation 5720	Form or Lease Name Dare Devil
Csg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 1603'
Perforations: From 1302' To 1313'	Well No. 2		
Tbg. Size 1 1/4	Wt. 2.4	d 1.380	Set At 1305'
Perforations: From Open To End	Unit Sec. Twp. Rge. 1 10 30N 13W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - gas		Packer Set At	
Producing Thru Tubing		County San Juan	
Reservoir Temp. °F #		State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _a	
L	H	G _g .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.		Temp. °F
SI	Shut in						340		340		7 days
1.											
2.											
3.	7/16 Pos. Choke						5	62°	10		3 hours
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	4.1423		17	.9981	.9837	1.000	69
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 352	P _c ² 123904	
NO.	P _t ²	P _w ²
1	22	484
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_t^2 - P_w^2} = 1.0040$$

$$AOF = Q \left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 69$$

$$(2) \left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^{.85} = 1.0034$$

Absolute Open Flow 69	Mcf/d @ 15.025	Angle of Slope 45	Slope, n .85
Remarks: Very dry - no fluid			

Approved By Division	Conducted By	Calculated By	Checked By