

3-111000 1-11111111 and Dayless 1-11111, INC. 1-111111 1-11111
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 7-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-16-79			
Company Dugan Production Corp.				Connection					
Pool South Gallegos Fruitland				Formation Fruitland				Unit	
Completion Date 8-9-79		Total Depth 1480'		Plug Back TD 1422'		Elevation 6054' GR		Farm or Lease Name Western Federal	
Csg. Size 2-7/8"	Wt. 6.4#	d	Set At 1472'	Perforations: From 1126 To 1282		Well No. 9			
Tbg. Size 1-1/4"	Wt. 2.4#	d	Set At 1260'	Perforations: From Open End To		Unit Sec. Twp. Rge. E 7 26N 11W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan	
Producing Thru tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g .62 est	% 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							266		266		7 days
1.											
2.											
3.	5/8" pos choke			3		62 ⁰			69		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.	8.5417		15	.9981	.9837	1.000	126
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

P _c 278	P _c ² 77,284	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.0928$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0783$	
NO.	P _t ²	P _w	P _w ²	P _c ² - R _w ²
1.				
2.				
3.		81	6561	70723
4.				
5.				

AOFF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 136$

Absolute Open Flow 136 Mcfd @ 15.025

Angle of Slope @ _____ Slope, n .85

Remarks: _____

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