

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 11-17-77			
Company Dugan Production Corp.				Connection					
Pool Blanco Mesaverde				Formation Mesa Verde				Unit	
Completion Date 10-25-77		Total Depth 5758'		Plug Back TD 5720'		Elevation 6401' GR		Farm or Lease Name Sherman Edward	
Csg. Size 5-1/2"	Wt. 15.5	d	Set At 5758'	Perforations: From 5274' To 5641'		Well No. 2B			
Tbg. Size 1-1/4"	Wt. 2.4	d	Set At 5625'	Perforations: From Open To Ended		Unit Sec. Twp. Rge. 0 3 29N 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas						Packer Set At 5200'		County Rio Arriba	
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .65	% 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							1125				7 days
1.											
2.											
3.	3/4 Pos. Choke						71	62°			3 hrs.
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3	12.365		83	.9981	.9608	1.007	991
4							
5							

NO.	P _t	Temp. °R	T _t	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 1137	P _c ² 1292769	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0054$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0041$
NO.	P _t ²	P _w	P _w ²
1			
2			
3		7037	1,285,732
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 995$		Absolute Open Flow 995 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .75	
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Remarks: _____			
Approved By Commission:		Conducted By: Charles Hall	
Calculated By: Jim Jacobs		Checked By:	