

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 875013 NMOCD
1 FileForm C-122
Revised 10-1-78

- MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-8-87	
Company Dugan Production Corp.				Connection	
Pool Undesignated				Formation Pictured Cliffs	
Completion Date 10-1-87		Total Depth 1795'		Plug Back TD 1771'	
				Elevation 6861' GL	
Farm of Lease Name Sheba Temple					
Csq. Size 2-7/8"	Wt. 6.4	d	Set At 1792'	Perforations: From 1665 To 1671'	
Tbg. Size	Wt.	d	Set At	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At	
Producing Thru casing				County San Juan	
Reservoir Temp. °F				State New Mexico	
Mean Annual Temp. °F					
Baro. Press. - P _g					
L	H	Gg	% 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									485		7 days
1.											
2.											
3.	7/16"								4#	68°	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, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	4.1423		16#	.9924	.9837	1.000	65
4							
5							

NO.	P _t	Temp. °R	T _g	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 497		P _c ² 247009	
NO.	P _t ²	P _w	P _w ²
1			
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \text{_____}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{_____}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{_____}$$

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____		Slope, n _____	
Remarks: _____					

Approved By Division	Conducted By: Brown	Calculated By:	Checked By: Jacobs
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