

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 1-19-78			
Company Dugan Production Corp.				Connection					
Pool WAW - Pictured Cliffs				Formation Pictured Cliffs				Unit	
Completion Date 1-11-78		Total Depth 1450'		Plug Back TD 1405'		Elevation 6137' GR		Farm or Lease Name KR	
Csg. Size 2-7/8"	Wt. 6.4#	d	Set At 1441'	Perforations: From 1339 To 1346		Well No. 6			
Tbg. Size 1-1/4"	Wt. 2.3#	d	Set At 1353'	Perforations: From Open End To		Unit N		Sec. 19	Twp. 27N
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	Gg .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							210		249		7 days
1.											
2.											
3.	1/2" Pos. Choke			5		420			19		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	5.4315		17	1.0178	.9837	1.000	92
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 _____ 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 261		P _c ² 68.121	
NO.	P _t ²	P _w	P _w ²
1			
2			
3		31	961
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0143$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 93$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0121$$

Absolute Open Flow _____ 93 _____ Mcfd @ 15.025		Angle of Slope θ _____	
Remarks: _____		Slope, n _____ .85	

Approved By Commission:	Conducted By: Charles Hall	Calculated By: Jim L. Jacobs	Checked By:
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