

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 3-16-76			
Company Dugan Production Corp.				Connection					
Pool WAW				Formation Pictured Cliffs				Unit	
Completion Date 3-9-76		Total Depth 1415'		Plug Back TD 1374'		Elevation 6085' GR		Farm or Lease Name KR	
Csg. Size 2-7/8"	Wt. 6.5#	d	Set At 1399'	Perforations: From 1258' To 1310'			Well No. 2		
Tbg. Size 1-1/4"	Wt. 2.4#	d	Set At	Perforations: From Open To Ended			Unit D	Sec. 29	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	% 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							230		230		7 days
1.											
2.											
3.	5/8" Pos Choke						4	56°	15		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	8.5417		16	1.004	.9837	1.000	134
4							
5							

NO.	P _i	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 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

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		27	729	57,835
4				
5				

P_c 242 P_c² 58,564

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.012$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{.85} = 1.0010$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 134$

Absolute Open Flow 134 Mcfd @ 15.025

Angle of Slope Θ _____

Slope, n .85

Remarks: _____

Approved By Commission: _____

Conducted By: Charles Hall

Calculated By: Charles Hall

Checked By: _____