

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 8-12-75			
Company Dugan Production Corp.				Connection			
Pool WAW				Formation Pictured Cliffs		Unit	
Completion Date 8-2-75		Total Depth 1395'		Plug Back TD 1360'		Elevation 6086' GR	
Farm or Lease Name KR							
Csg. Size 2-7/8"	Wt. 6.5#	d	Set At 1379' GR	Perforations: From 1318' To 1334'		Well No. 1	
Tbg. Size None	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. B 29 27N 13W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico							
L	H	G _g	% 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									235		7 days
1.											
2.											
3.	5/8" Pos. Choke			10		68°			10		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	8.5417		22	.9924	.9837	1.000	183
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 247 P _c ² 61,009				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		22	484	60,525
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.01$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0084$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 184$

RECEIVED
AUG 18 1975
OIL CON. COM.

Absolute Open Flow	184	Mcfd @ 15.025	Angle of Slope @
Remarks:			

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