

DALLAS (1)

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65**RECEIVED**

JUL 6 1970

OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6-30-70	
Company Dugan Petroleum Corp			Connection		
Pool Hutchinson			Formation Hutchinson		Unit
Completion Date		Total Depth 411	Plug Back TD 935	Elevation 6172	Farm or Lease Name WAW
Csq. Size 2 7/8	Wt. 6.5"	d	Set At 1401	Perforations: From 1325 To 1329	Well No. 1
Thg. Size 1 1/2	Wt. 2.4"	d 1.375	Set At 1303	Perforations: From Open End To	Unit Sec. Twp. Rge. L 22 27N 13W
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single				Packer Set At	County San Juan
Producing Thru		Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a	State New Mexico
L	H	Gg 1.2	% 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							197		197		
1.											
2.	3/8" prover			35					117		3 Hr.
3.											
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.	1.2477		47	1.000	1.000	1.000	401
3.							
4.							
5.							

NO.	P _r	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 209	P _c ² 43,681				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1					
2		129	16,641	27,040	
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6154$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5032$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 603$

Absolute Open Flow 603 Mcfd @ 15.025		Angle of Slope θ	Slope, n .85
Remarks:			
Approved By Commission:	Conducted By: Jacob	Calculated By: Jacob	Checked By: