

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 12-16-70	
Company Dugan Prod. Corp.				Connection		
Pool Wildcat				Formation Pictured Cliffs		Unit
Completion Date 12-11-70		Total Depth 992 GR.		Plug Back TD 866 GR.		Elevation 5366
Farm or Lease Name Cline		Well No. 1				
Csg. Size 2 7/8"	Wt. 6.5#	Set At 980	Perforations: From 858 To 866			Unit Sec. Twp. Rge. 0 33 30N 14W
Tbg. Size 1 1/4"	Wt. 24#	Set At 864	Perforations: From Open End To			County San Juan
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		State New Mexico
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a
L	H	Gg .65 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.	
SI							200		200	
1.										
2.										
3.	5/8" Pos Ck.			70		60°			148	
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		82	1.000	.9608	1.000	673
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 212	P _c ² 44,944	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3234$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n' .85} = 2.0473$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.				
2.				
3.	160	25,600	19,344	
4.				
5.				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1378$

Absolute Open Flow	1378	Mcfd @ 15.025	Angle of Slope θ
Remarks: <u>unc</u>			

Approved By Commission: DEC 21 1970	Conducted By: Jacobs	Calculated By: Jacobs	Checked By:
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