

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 10-12-75	
Company Dugan Production Corp.				Connection		
Pool WAW - Pictured Cliffs				Formation Pictured Cliffs		Unit
Completion Date 10-1-75		Total Depth 1415'		Plug Back TD 1360'		Elevation 6134' GR
Farm or Lease Name Ojo-He-He		Well No. 2				
Csg. Size 2-7/8"	Wt. 6.5#	d	Set At 1386' GR	Perforations: From 1282' To 1338'		Unit Sec. Twp. Rge. E 33 27N 13W
Thq. Size None	Wt.	d	Set At	Perforations: From To		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County San Juan
Producing Thru Csg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a State New Mexico
L	H	Gg .62	% 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									225		7 days
1.											
2.											
3.	5/8" Pos. Choke		8			65°			8		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	8.5417		20	.9952	.9837	1.000	167
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	Deg.
2					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3					Specific Gravity Flowing Fluid <td>XXXXX</td>	XXXXX
4					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5					Critical Temperature <td>R</td>	R

P _c 237	P _c ² 56,169	(1) $\frac{P_c^2}{P_c^2 - P_w^2}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0000$
NO	P _t ²	P _w	P _w ²
1			
2			
3	20	400	55,769
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 167$

Absolute Open Flow	167	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
Remarks:				

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