

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	
Completion Date 8-2-75	Total Depth 1375'	Plug Back TD 1368'	Elevation 6168' GR
Farm or Lease Name Ojo-He-He		Well No. 1	
Csg. Size 2-7/8"	Wt. 6.4	Set At 1368' GR	Perforations: From 1258' To 1318'
Thq. Size None	Wt.	Set At	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas		Packer Set At	
Producing Thru Casing		Baro. Press. - P _a	
Reservoir Temp. °F @		Mean Annual Temp. °F	
L		H	
G _q .62		% CO ₂	
% N ₂		% H ₂ S	
Prover		Meter Run	
Taps		County San Juan	
State New Mexico			

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									210		7 days
1.											
2.											
3.	5/8" Pos. Choke		2			70°			2		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		14	.9905	.9837	1.000	116
4							
5							

NO.	P _t	Temp. °R	T _f	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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		14	196	49088
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.00$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0000$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 116$

P_c 222 P_c² 49284

Absolute Open Flow	116	Mcf/d @ 15.025	Angle of Slope θ
Remarks:			

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