

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 11-20-76			
Company Marathon Oil Company				Connection					
Pool So. Blanco Pictured Cliffs				Formation Pictured Cliffs				Unit	
Completion Date		Total Depth 3215		Plug Back To 3176		Elevation 6677		Farm or Lease Name Jicarilla Apache	
Csg. Size 4.75	Wt.	d	Set At 3215	Perforations: From 3094 To 3102		Well No. 18-PC			
Tbg. Size 2.375	Wt.	d	Set At 3111	Perforations: From To		Unit Sec. Twp. Rge. I 28 26 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County Rio Arriba	
Producing Thru		Reservoir Temp. °F 97 @ 3100		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover X		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	7 days						751		886	
1.	2	X	3/4				105	60	275	3 hrs.
2.										
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, Fpv	Rate of Flow Q, Mcfd
1	12.3650		117	1.000	.9608	1.012	1410
2							
3							
4							
5							

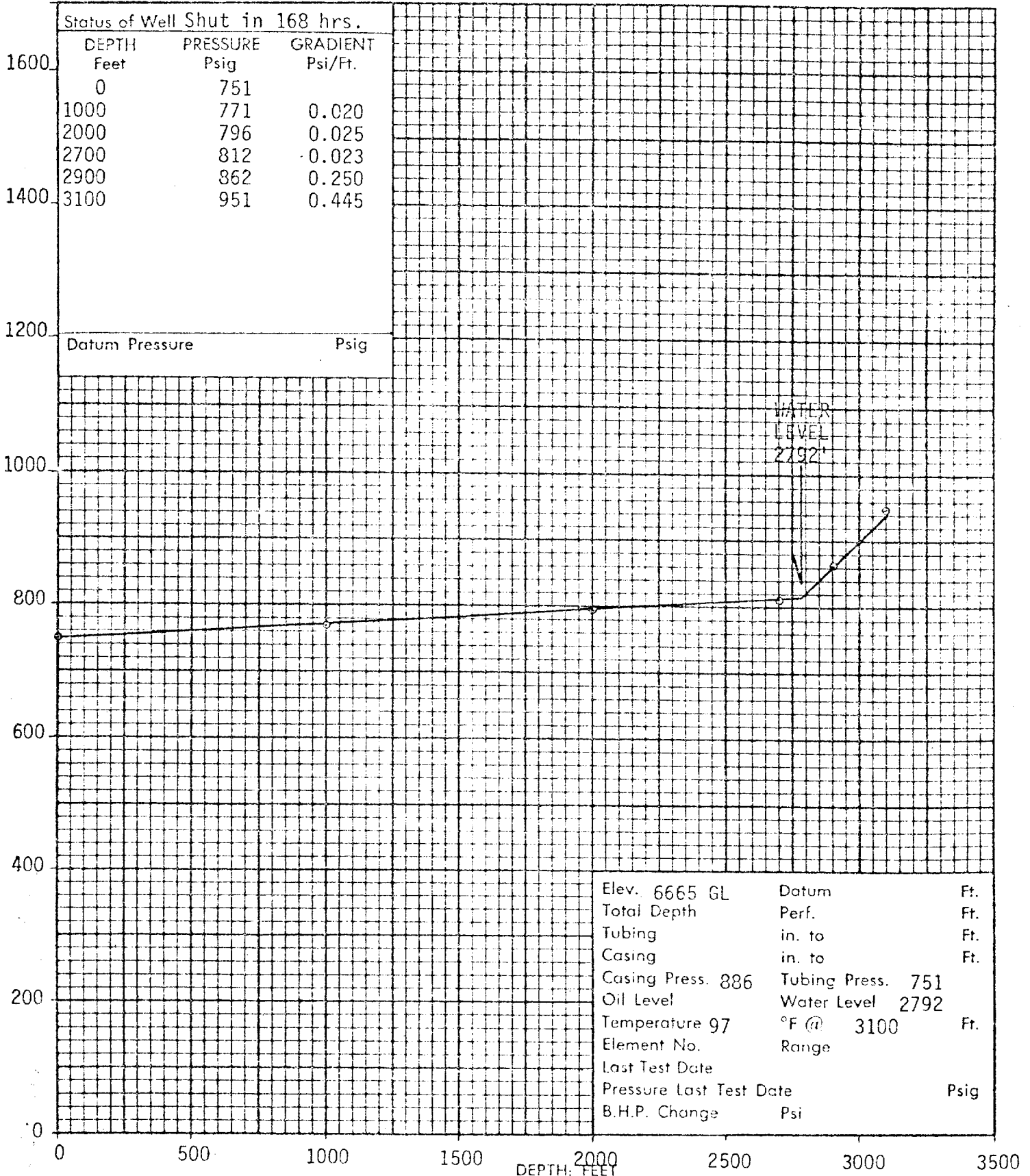
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ X X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 898	P _c ² 806404	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1138$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0959$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	287	82369	724035
2			
3			
4			
5			

Absolute Open Flow 1545		Mold = 15.025	Angle of Slope θ	Slope, n .85
Remarks:				

Approved By Commission:	Conducted By: Tefteller, Inc.	Calculated By: H. Tefteller	Checked By: M.E. O'Keefe MARATHON OIL CO
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Company MARATHON OIL COMPANY Lease JICARILLA APACHE Well No. 18-PC
Field SO. BLANCO PICTURED CLIFFS County RIO ARRIBA State NEW MEXICO
Formation PICTURED CLIFFS Test Date NOVEMBER 20, 1976



PRESSURE POUNDS PER SQUARE INCH GAUGE