

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 3-26-79		NM-020501	
Company Marathon Oil Co.				Connection			
Pool KUTZ CANYON				Formation PICTURED CLIFFS		Unit K	
Completion Date 1		Total Depth 1750		Plug Back TD 1704		Elevation 5653' KB	
Farm or Lease Name Owens C. Gov't				Well No. 6			
Csg. Size 4.5	Wt. 10.5	d	Set At 1750	Perforations: From 1573' To 1587'		Unit Sec. Twp. Rge. R 26 28 11	
Tub. Size 2.375	Wt. 4.7	d	Set At 1501	Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At		County SAN JUAN	
Producing Thru TRG		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		G _g .650	% 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.		Temp. °F
1	7 PAGES	+					249		249		3 HRS
2	2 X 5/4						28	50	48		
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 F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.458		110	1.020	1.000		2169
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
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 261	P _w 68121	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2160$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1808$
NO. 1	P ₁ 110	P _w 12100	P _c 261
2			
3			
4			
5			

Absolute Open Flow 554 Mcfd @ 15.025		Angle of Slope	OIL CON. C. DIST. 25
Remarks:			

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
			G.E. Kuno 4/11/79