

0/1/80 xc: I. L. Site,
J.S.G.S. (3), NMOCC (5),
Div. Files, Cen. Rec. NEW MEXICO OIL CONSERVATION COMMISSION
O&M, J. Archer, MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL
EPNG

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-26-80	
Company MESA PET. CO		Connection EL PASO N G CO	
Pool BASIN DAKOTA		Formation DAKOTA	
Completion Date 9-26-80		Total Depth 6845.	Plug Back TD 6776.
		Elevation 5869.	Farm or Lease Name FEDERAL
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6845.
Perforations: From 6637. To 6720.	Well No. 10E		
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6652.
Perforations: From 0. To 0.	Unit Sec. Twp. Rge. 1-29N-11W		
Type Well - Single - Bradenhead - G.C. or G.O. Multiple FLOWING		Packer Set At 0.	County SAN JUAN
Producing Thru TUBING	Reservoir Temp. °F 134.8 6637.	Mean Annual Temp. °F 60.0	Baro. Press. - P _a 13.2
State NEW MEXICO			
L 6637.	H 6637.	Gg 0.686	% CO ₂ 0.
% N ₂ 0.	% H ₂ S 0.	Prover 0.	Meter Run 0.
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							1450.	70.			168.0
1.	2.00	X	0.750	175.	0.	67.	175.	67.	0.	0.	3.0
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.22	0.	188.2	0.9993	1.2074	1.0205	2585.
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	0.28	527.	1.37	0.960	0.	0.
2.						
3.						
4.						
5.						

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	35.	443.	196.	1928.		1.1017	1.0754
2.							
3.							
4.							
5.							

Absolute Open Flow		2780	Mcf @ 15.025	Angle of Slope	53.1	EST Slope, n 0.750
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Remarks:

Approved By Commission:	Conducted By: Ron Bishop	Calculated By: Garrett Comp. ADF Program	Checked By: JC Young
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