

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 10/23/75	
Company Mesa Petroleum Co.			Connection El Paso Natural Gas Co.			
Pool Blanco			Formation Pictured Cliffs		Unit E	
Completion Date 10/16/75		Total Depth 5835'	Plug Back TD 5785'	Elevation 6530' GL		
Csg. Size 10-3/4" x 7"		Set At 168' KB 3508' KB	Perforations: From 3250' To 3278'		Well No. #4A	
Tbg. Size 4-1/2" x 1-1/4"		Set At 3528' - 5830' KB 3264' KB	Perforations: From To		Unit Sec. Twp. Rge. E 15 32N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple				Packer Set At 3369'		
Producing Thru Tbg.		Reservoir Temp. °F 106 @ 3264'	Mean Annual Temp. °F 74°	Baro. Press. - P _a New Mexico		
L 3264	H 3264	Gg .600	% CO ₂	% N ₂	% H ₂ S	
Prover 2"		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							738		738		7 Days
1.	2" x 3/4"			119			142		659		1st Hr
2.							127		629		2nd Hr
3.							119	55°	616		3rd Hr
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	9.942		132	1.0048	1.291	1.041	1723
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.20	515	1.43	.977	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas .600 XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX
4.					Critical Pressure 672 P.S.I.A. P.S.I.A.
5.					Critical Temperature 358 R R

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(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	751	564	629	396	168		
2							
3							
4							
5							

Absolute Open Flow 4,815 Mcfd @ 15.025				Angle of Slope 111. CON COM		Slope, n .850
Remarks:						
Approved By Commission:		Conducted By:		Calculated By:		Checked By:
				J. L. Farrell		

10/27/75 pp 2 11/3/75 State: 3 USGS