

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP O BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
APR 16 1992

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 3-20-92		OIL CON. DIV. DIST. 3	
Company Meridian Oil Inc.		Connection El Paso Natural Gas Co.			
Pool Angels Peak		Formation Gallup		Unit Huerfano Unit	
Completion Date 3-20-92		Total Depth 6413'		Elevation 6682'	
Csg. Size 4.5		Well 10.5# 11.6#		Set At K55 6413'	
Perforations: From To		Well No. 303			
Tng. Size 2.375		Well 4.75#		Set At J55	
Perforations: From To		Unit P 04		Sec. 26N	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple		Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F		Baro. Press. - P _g 12.2	
Mean Annual Temp. °F		State New Mexico			
L		H		Cg .700	
% CO ₂		% N ₂		% H ₂ S	
Prover		Meter Run		Taps	

FLOW DATA				TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size 2"	X Orifice Size .750	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI						467		initial
1.						106	68	15 min.
2.						80	66	30 min.
3.						22	68	1 hr.
4.						28	66	2 hrs.
5.						7	58	3 hrs.

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	12.365		19	1.000	.9258	1.000	218
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 479.2	P _c ² 229633	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0787$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7312$
NO. 1	P _r ² 345.2	P _w ² 119163	P _c ² - P _w ² 110470
2			
3			
4			
5			

Absolute Open Flow 377		Mcf/d @ 15.025		Angle of Slope @ _____		Slope, n .75	
Remarks:							
Approved By Division _____ Conducted By: D. Horton							
Calculated By: D. Lingo							
Checked By: D. Lingo							