

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-122
Revised 4-1-91

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Meridian Oil, Inc.						Lease or Unit Name HUERFANO UNIT					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 03-07-95		Well No. 136F			
Completion Date 12-31-94		Total Depth 6,750		TVD MD		Plug Back TD 6,585		Elevation 6,457		Unit Letter - Sec. - TWN - RNG M-21-026N-09W	
Csg. Size 4.500	Wt. 10.5	d 4.000	Set At 6,610	Perforations: From 6,413 To 6,520				County SAN JUAN			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6,502	Perforations: From To				Pool BASIN			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE						Packer Set At				Formation DAKOTA	
Prod Thru Tubing		Resv Temp *F		Mean Ann T *F		Baro. Press. Pd 12.20				Connection	
L	H	Gg 0.700	% CO2 0.000	% N2 0.000	% H2S	Prover		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. hw	Temp. F*	Press. p.s.i.g.	Temp. F*	Press. p.s.i.g.	Temp. F*	
SI	2		0.750				1029		1029		S.I.
1.							184	34	481		1 Hour
2.							155	34	438		2 Hours
3.							131	36	385		3 Hours
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{hw P_m}$	Pressure Pm	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	11.000		143.2	1.0239	1.1952	1.0000	1,927.77
2.							
3.							
4.							
5.							

NO.	Pr	Temp. *R	Tr	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					API Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXXXXXXXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A
5.					Critical Temperature	R

Pc	1041.20	Pc2	#####
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NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		397.20	157,767.84	926,329.60
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 1.1703$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2,169.11$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.1252$

Absolute Open Flow	2,169	Mcf @ 15.025	Angle of Slope	Slope, n 0.75
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Remarks:

Approved By Division	Conducted By: ROSS SAIZ	Calculated By: TANYA ATCITY	Checked By: STEVE FLOREZ
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