

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

MAR 4 1993

ON CON. DIV.
DIST. 3

Type Test		☒ Initial ☐ Annual ☐ Special		Test Date		2-24-93	
Company				Connection			
Meridian Oil, Inc.				EPNG			
Pool				Unit			
Gallegos Gallup				Gallup			
Completion Date		Total Depth		Plug Hole		Elevation	
9-6-92		6280'		6267'		6277' GL	
Form or Lease Name		Moncrief Com					
Cal. Size	Wt.	Set At	Performance	From	To	Well No.	
4.500	10.5#	6280'	From 5280'	To 5430'		1E	
Thp. Size	Wt.	Set At	Performance	From	To	Unit	Loc. Temp. App.
2.375	4.7#	5479'				B	16 26N 11W
Type Well - Status - (Reservoirs - G.G. or G.O. Multiple)				Packer Set At		County	
Single				N/A		San Juan	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		State	
Tubing		8		12.2		New Mexico	
	H	G	% CO ₂	% H ₂	% H ₂ S	Prover	Water Run
		.700					

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Dill. in.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
51	2.000		.750				645	68	952		
1.							143	68	688		1 hour
2.							103	70	642		2 hours
3.							87	70	633		3 hours
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{P_1}$	Pressure P ₁	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{sc}	Rate of Flow Q, Mscf
1			99.2	0.9905	1.1952	1.010	1139.26
2							
3							
4							
5							

NO.	P ₁	Temp. °R	Z	X	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Floating Fluid	Critical Pressure	Critical Temperature
1	0.1465	529.67	1.387	0.9802					668	392
2										
3										
4										
5										

NO.	P ₁	P ₂	P ₃	P ₄	P ₅	P ₆	P ₇	P ₈	P ₉	P ₁₀
1	964	929.296								
2										
3										
4										
5										

NO.	P ₁	P ₂	P ₃	P ₄	P ₅	P ₆	P ₇	P ₈	P ₉	P ₁₀
1		645.20	416283	513013						
2										
3										
4										
5										

Absolute Open Flow		Mscf @ 15.025		Angle of Slope @		Slope, n	
1,778						.75	

Remarks:			
Approved by Commission	Conducted by	Calculated by	Checked by
Steve Kellogg	Steve Kellogg	Steve Kellogg	Steve Kellogg