

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-30-87	
Company MERIDIAN OIL, INC.				Connection	
Pool BLANCO				Formation MESAVERDE	
Completion Date 10-19-87		Total Depth 5472'		Plug Back TD 5325'	
Elevation 6163' GL		Farm or Lease Name MURPHY & COM			
Csg. Size 7.0000	Wt. 20.0	d 6.4560	Set At 2911'	Perforations: From 4300' To 5246'	
Thq. Size 2.3750	Wt. 4.7	d 1.9950	Set At 5260'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE	
Producing Thru TUBING		Reservoir Temp. °F p		Baro. Press. - P _g 12.2	
State NEW MEXICO					
L	H	G _g .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	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							1123		1123		
1.	2" X 3/4"						407		926	67°	1 HR.
2.							356		866	69°	2 HRS.
3.							324		832	69°	3 HRS.
4.											
5.											

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, Mc/d
1	12.365		336.2	1.0000	.9258	1.0000	3849
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 Hydrocarbon	Deg.
2					Specific Gravity Separator Gas	XXXXXX
3					Specific Gravity Flowing Fluid	XXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c 1135.2 P _c ² 1288679					NOV 8 3 1987	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2373$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.82932$
1		844.2	712673.6	576005.4		
2						
3						
4						
5						

Absolute Open Flow 7041 Mc/d @ 15.025				Angle of Slope .75	
--	--	--	--	---------------------------	--

Remarks: MIST OF OIL THROUGHOUT TEST.	
4.5000 - 10.5# LINER SET FROM 2746' - 5342'	

Approved By Division	Conducted By: STEVE MCCAMMENT	Calculated By: JAMES WM SMITH	Checked By:
----------------------	---	---	-------------