

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 01-13-88	
Company MERIDIAN OIL, INC.			Connection EL PASO NATURAL GAS COMPANY		
Pool BLANCO			Formation MESAVERDE		Unit
Completion Date 12-30-87		Total Depth 5153'		Plug Back TD 5092'	Elevation 5968' GL
Farm or Lease Name KESSLER COM					
Csg. Size 4.5000	Wt. 10.5	Set At 4.0520	Set At 5153'	Well No. 3	
Thg. Size 2.3750	Wt. 4.7	Set At 1.9950	Set At 5011'	Well No.	
Perforations: From To		Perforations: From To		Unl. Sec. Twp. Rge.	
		4144' To 5001'		0 25 30 11	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At N/A	
Producing Thru TUBING		Reservoir Temp. °F a		Mean Annual Temp. °F	
Baro. Press. - P _a 12.2		State NEW MEXICO			
L	H	Gg .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.	
SI							765		1072	
1.	2" X 3/4"						409		885	68°
2.							373		827	71°
3.							353		772	72°
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, F _{sp}	Rate of Flow O. Mcd
1	12.365		365.2	1.0000	.9258	1.0000	4181
2.							
3							
4.							
5							

NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

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) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		784.2	614969.6	560520.0	2.0971	1.7427
2						
3						
4						
5						

Absolute Open Flow 7286		Mcd @ 15.025	Angle of Slope	Slope, n .75
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Remarks: **MEDIUM TO HEAVY MIST OF WATER THROUGHOUT TEST.**

Approved By Division	Conducted By: STEVE KELLENERS	Calculated By: JAMES WM. SMITH	Checked By:
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