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appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Dep.

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION
2040 Pacheco St.
Santa Fe, NM 87505

NOV 10 1997

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MARBOB ENERGY CORPORATION				Lease or Unit Name MARY DODD "B" DEEP FED			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-5-97		Well No. 1	
Completion Date		Total Depth		Plug Back TD		Elevation	
Csg. Size	Wt.	d	Set At	Perforations:			
				From:			
Tbg. Size	Wt.	d	Set At	Perforations:			
				From:			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press - P _a	
L 10865.	H 10865.	Gg .667	% CO ₂ .41	% N ₂ .93	% H ₂ S .00	Prover .0	Meter Run 4.0
						Taps FLANGE	

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							3180.	62.			24.0
1.	4.03	X	2.500	608.	4.0	62.	3160.	74.	0.	0.	1.0
2.	4.03	X	2.500	618.	18.0	90.	3040.	74.	0.	0.	1.0
3.	4.03	X	2.500	628.	41.0	72.	2820.	74.	0.	0.	1.0
4.	4.03	X	2.500	633.	74.0	72.	2565.	74.	0.	0.	1.0
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 _{pv} .	Rate of Flow Q, Mcfd
1.	32.64	49.86	621.4	.9981	1.2244	1.0670	2122.
2.	32.64	106.61	631.4	.9723	1.2244	1.0554	4372.
3.	32.64	162.61	641.4	.9887	1.2244	1.0643	6819.
4.	32.64	218.71	646.4	.9887	1.2244	1.0648	9201.
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.	
1.	.93	522.	1.39	.878	363.567		
2.	.94	550.	1.46	.898	55.5		
3.	.96	532.	1.41	.883	.667	XXXXXXXXXX	
4.	.97	532.	1.41	.882	XXXXXX		
5.							

P _c	P _c ²						
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{3.7488}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.0669}$	
1.		3163.	10006.	189.			
2.		3071.	9433.	761.			
3.		2906.	8447.	1747.			
4.		2734.	7475.	2719.			
5.							

Absolute Open Flow	19018.	Mcf/d @ 15.025	Angle of Slope θ	61.2	Slope, n	.549
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Remarks:

Approved By Division

Conducted By:

Calculated By:

Checked By: