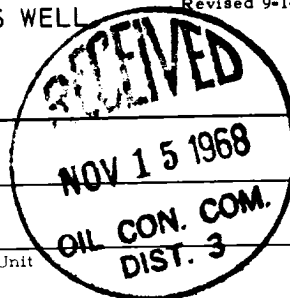


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11-6-68	
Company Marathon Oil Co		Connection	
Pool Basin Dakota		Formation Dakota	
Completion Date		Total Depth 7345	Plug Back TD 7305
Csg. Size 2 3/8		Wt. 15.5# \$17	Set At 7340
Thg. Size 2 3/8		Wt. 4.60	Set At 7003
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual Gas		Packer Set At 7003	
Producing Thru TBU		Reservoir Temp. °F 168 7290	Mean Annual Temp. °F 12.0
Baro. Press. - P _a 12.0		State N.M.	
L	H	G _g	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							2340		PKR		
1.	2	X	3/8 3/4				395	60	"		3 Hrs
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12 3650		407	1.000	.9605	1.012	5038
2							
3							
4							
5							

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

NO.	P _c	P _w	P _c ² - P _w ²
1	2352	843	5531904
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1483$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1237$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5656$

Absolute Open Flow <u>5656 5661</u> Mcfd @ 15.025		Angle of Slope θ _____	Slope, n <u>.75</u>
Remarks: _____			
Approved By Commission:	Conducted By: TE-TELLER, INC.	Calculated By: Neil Tetteller	Checked By: P. J. Patterson MARATHON OIL Co.