

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	
Company Caulkins Oil Company				Connection	
Pool Otero Chacra-Blanco Mesa Verde				Formation Commingled Chacra-Mesa Verde	
Completion Date 8-26-80		Total Depth 7446		Plug Back TD 7446	
				Elevation 6491	
Farm or Lease Name Breech A					
Well No. 136E					
Csg. Size 7 5/8 & 4 1/2		WI. 26.4 11.6		d 6.969 4.000	
Set At 6635 6470-7446		Perforations: From 3906 To 5328			
Tbg. Size 1 1/4"		WI. 2.3		d 1.380 5470	
Set At		Perforations: From 5470 To			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas - Gas Multiple				Packer Set At 5630	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _a		State New Mexico			
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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
51							973		973		7 Days
1.							57		203		3 Hours
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 Comp. Factor F _{sc}	Rate of Flow Mcfd
1	14.1605		69	1.000	1.000	1.000	917
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	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 _i ² - P _w ²	(1) $\frac{P_i^2}{P_i^2 - P_w^2} =$	(2) $\left[\frac{P_i^2}{P_i^2 - P_w^2} \right]^n =$
1		215	46,225	924,000	1.050	1.037
2						
3						
4						
5						

Absolute Open Flow 1013 Mcfd @ 15.025				Angle of Slope 75		Slope, n	
Remarks: 40 % of all gas to Chacra zone 60 % of all gas to Mesa Verde zone							
Approved By Division		Conducted By:		Calculated By:		Checked By:	