

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 7088
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		10-31-80	
Company				Connection							
Caulkins Oil Company											
Pool				Formation				Unit			
Basin Dakota				Dakota							
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
10-24-80		7550		7550		6668		Breech E			
Coq. Size	Wt. 11.6#	d 4.000	Set At 6729-	Perforations:				Well No.			
4 1/2" & 7"	23 & 26#	6.276	7550, 6890	From 7338		To 7536		583M			
Thq. Size	Wt.	d	Set At	Perforations:				Unit Sec. Twp. Rys.			
2 3/8"	4.7#	1.995	7296	From 7296		To		L 5 26N 6W			
Type Well - Single - Rodenthead - G.G. or G.O. Multiple						Packer Set At		County			
Gas - Gas Multiple						5512		Rio Arriba			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
Tubing		°						New Mexico			
L	H	Gg	% 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							1203		PKR		7 Day SI
1.	3/4" Choke						147		PKR		3 Hour
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd				
1	14.1605		159	1.000	1.000	1.000	2,251				
2.											
3.											
4.											
5.											
NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
1					Specific Gravity Separator Gas _____					X X X X X X X X	
2.					Specific Gravity Flowing Fluid _____					X X X X X	
3.					Critical Pressure _____ P.S.I.A.					P.S.I.A.	
4.					Critical Temperature _____ R					R	
5.											
NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2}$	1.119	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$	1.0883			
1	25,281	396	157,415	1,318,800							
2											
3											
4											
5											
Absolute Open Flow					2,450	Mcf @ 15.025		Angle of Slope	75	Slope, n	
Remarks:											