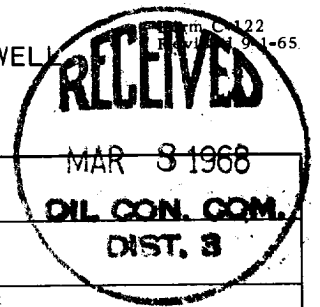


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date	
Company Cinco Diablos Development				Connection Waiting on Pipeline		
Pool Ballard P. C.				Formation Pictured Cliffs		Unit
Completion Date 2-20-68		Total Depth 2279'		Plug Back TD 2247'		Elevation 6363 Gr.
Farm or Lease Name Cinco Diablos		Well No. 9				
Csg. Size 4,500	Wt. 9,500	d 4,090'	Set At 2279'	Perforations: From 2146 To 2226		Unit I
Tbg. Size 1.250	Wt. U. 2.40	d 1.380	Set At 2218'	Perforations: From Open To Ended		Sec. 8 Twp. 25N Rge. 7W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba
Producing Thru Casing		Reservoir Temp. °F @ --		Mean Annual Temp. °F --		State New Mexico
L 2218	H 2218	Gg 0.65	% 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							625		625		SI 9 da
1.	0.750 T.C					59	171		140		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		152	1.0010	0.9608	1.0140	1,833
2.							
3.							
4.							
5.							

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

P _c 637	P _c ² 405,769	
NO.	P _t ²	P _w ²
1	183	33,124
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.089$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.076$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,972$$

Absolute Open Flow 1,972 Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n 0.85
Remarks: _____		
Approved By Commission:	Conducted By: Ewell N. Walsh	Calculated By: <i>Ewell N. Walsh</i>
		Checked By: