

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 12/01/79	
Company DIETRICH EXPLORATION CO.				Connection		
Pool NIPP				Formation PICTURED CLIFFS		Unit
Completion Date 10/19/79		Total Depth 1200'		Plug Back TD 1168		Elevation 6088 GL
Farm or Lease Name DIETRICH 28		Well No. J -2				
Log. Size 2 7/8	Wt. d	Set At 1194	Perforations: From 1092 To 1102		Unit Sec. Twp. Rge. H 28 26N 12W	
Thg. Size	Wt. d	Set At	Perforations: From To			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple				Packer Set At		County SAN JUAN
Producing Thru		Reservoir Temp. °F	Mean Annual Temp. °F		Baro. Press. - P _a	
					State NEW MEXICO	
L	H	Gg .680	% 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							186				
1.	2	X	6	X	.75		21	46°			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	11		33	1.014	1.213	1.0040	448
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.05	506	1.314	.992	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 _r 198 P _c ² 39204				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		33	1089	38115
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.02857$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0242$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 459$$

Absolute Open Flow _____ Mcfd @ 15.025

Angle of Slope @ _____ Slope, n .85

JAN 5 1980
OIL & GAS

Approved By Commission	Conducted By	Calculated By	Checked By