

FORM C-108  
ITEM VII(5)

ANALYSIS - INJECTION ZONE  
PRODUCED WATER

POGO PRODUCING COMPANY  
Proximity "31" Federal #4  
Section 31, TWP 22-S, R 32-E  
Lea County, New Mexico

EXHIBIT 3 d Name: Corbin Delaware  
Location: NE  $\frac{1}{4}$  Sec. 31, T.17 S., R.33 E.  
County & State: Lea Co., N. Mex.

COMPLETION DATE: March 31, 1960

TYPICAL CORE ANALYSIS OF A PAY INTERVAL IN THIS FIELD: No cores taken

Perm. in millidarcys		% Porosity	Liquid Saturation (% of pore space)	
Horizontal	Vertical		Water	Oil

OTHER SHOWS ENCOUNTERED IN THIS FIELD: None

TRAP TYPE: Stratigraphic, sand pinchout

NATURE OF OIL: 37.8° gravity, sweet

NATURE OF GAS: sweet

NATURE OF PRODUCING ZONE WATER: Salt

NATURE OF GAS: sweet		Resistivity:						ohm-meters @		°F.	
NATURE OF PRODUCING ZONE WATER: Salt					SO <sub>4</sub>	Cl	CO <sub>2</sub>	HCO <sub>3</sub>	OH	H <sub>2</sub> S	
Total Solids	Na+K	Ca	Mg	Fe	1500	89,400		160		neg	
ppm	47,700	6160	2060	100							

INITIAL FIELD PRESSURE: Unknown

TYPE OF DRIVE: Unknown

NORMAL COMPLETION PRACTICES: Set through, perforate & sand frac.

PRODUCTION DATA:

Year	Type	No. of wells @ yr. end		Production Oil in barrels Gas in MMCF	
		Producing	Shut in or Abnd.	Annual	Cumulative
1956	oil				
	gas				
1957	oil				
	gas				
1958	oil				
	gas				
1959	oil				
	gas				
1960*	oil	0	1 ***	631.5	631.5
	gas				

\* 1960 Figure is production to July 1, 1960.

\*\*\* well shut in on April 19, 1960.