

SCOUT REPORT
NEW MEXICO
AL CONSERVATION COMMISSION

[illegible]

Company F. J. McCurdy, Jr
Gov't.
Farm Name Young Well No. 8
Sec. 30 Twp. 19 Range 32 County Log
Feet from Line: 1980 N. S. E. 1980 W.
Elevation _____ Method _____
Contractor _____
Spudded _____ Completed _____

AC ID RECORD

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Tab o

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SHOOTING RECORD

No. of Quarts	From	To	Remarks
1	1910	1911	
2	1911	1912	
3	1912	1913	
4	1913	1914	
5	1914	1915	
6	1915	1916	
7	1916	1917	
8	1917	1918	
9	1918	1919	
10	1919	1920	
11	1920	1921	
12	1921	1922	
13	1922	1923	
14	1923	1924	
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16	1925	1926	
17	1926	1927	
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81	1990	1991	
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89	1998	1999	
90	1999	2000	
91	2000	2001	
92	2001	2002	
93	2002	2003	
94	2003	2004	
95	2004	2005	
96	2005	2006	
97	2006	2007	
98	2007	2008	
99	2008	2009	
100	2009	2010	

No. of Quarts	From	To
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Date _____

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Date _____

10:30-45 M/S PB

PACER

The first part of the paper is devoted to a discussion of the
 general principles of the theory of the structure of the
 crystal lattice. It is shown that the structure of the
 crystal lattice is determined by the balance of the
 forces of attraction and repulsion between the atoms.
 The forces of attraction are due to the electrostatic
 interaction between the positive and negative ions, while
 the forces of repulsion are due to the overlap of the
 electron shells of the atoms. The balance of these
 forces determines the equilibrium distance between the
 atoms, which is the lattice constant. The lattice
 constant is a function of the temperature and the
 pressure. The lattice constant increases with increasing
 temperature and decreasing pressure. The lattice
 constant is also a function of the nature of the
 atoms. The lattice constant is larger for atoms with
 a larger atomic number and a larger atomic radius.

The second part of the paper is devoted to a discussion of the
 properties of the crystal lattice. It is shown that the
 properties of the crystal lattice are determined by the
 structure of the crystal lattice. The properties of the
 crystal lattice include the density, the refractive index,
 the thermal conductivity, the electrical conductivity,
 the magnetic susceptibility, and the piezoelectricity.
 The density of the crystal lattice is determined by the
 mass of the atoms and the volume of the unit cell. The
 refractive index of the crystal lattice is determined by the
 polarizability of the atoms. The thermal conductivity of
 the crystal lattice is determined by the phonon
 transport. The electrical conductivity of the crystal
 lattice is determined by the electron transport. The
 magnetic susceptibility of the crystal lattice is
 determined by the magnetic moments of the atoms. The
 piezoelectricity of the crystal lattice is determined by
 the asymmetry of the crystal structure.