

appear to be southward on the west side and consequently would tend to bring dislocated salt strata nearer together at the fault.

Owing to the lack of outcrops and the consequent uncertainty regarding the structure the best proof of the position of the salt is to be obtained from the location of brine springs and by drilling, and this position west of the fault, determined by such methods, appears to be a point between 3,000 and 4,000 feet north of the forks of the Stake and North Shore roads, near the head of Ross brook.

DRILL RECORDS AND MINING.

DRILL RECORDS

With the exception of No. 5, a diamond-drill boring, all the holes, seventeen in number, were sunk by a churn drill. No samples of the drillings were taken, and the twelve records given below are copies of the driller's logs. The positions of the drill holes are indicated on the map and section by corresponding numbers.

Number of hole.	Character of rock.	Thickness. Feet.	Total depth. Feet.	Remarks.
1.....	Brine.....		70	Struck brine at 70 feet and stopped.
2.....	Earth.....	25		Record incomplete, reads 25 feet earth, at from 60-70 feet.
	Gypsum.....	10	70	Struck gypsum, at 85 feet encountered salt.
	Salt.....		85	Through salt to 130.
	Salt.....		130	
3.....	Brine.....		85	Struck brine at 85 feet, stopped at 87 feet.
4.....	Earth.....	25	25	Possibly a boulder.
	Hard, flinty rock.....	3	28	
	Soft, red rock.....	57	85	
	Hard rock.....	40	125	
5.....	Red clay and gravel...	26	26	Stream of water at 65 feet
	(No description).....	58	84	
	Clay, bluish-grey.....	10	94	
	(No description).....	18	112	
	Hard stone.....	1	113	
	Salt.....	60	173	
6.....	Earth.....	22	22	
	Hard, red rock.....	6	28	
	Soft, red rock with bands of hard red 3 to 4 inches thick....	47	75	
	Hard, red rock.....	19	94	
7.....	Surface.....	12	12	
	Hard rock.....	3	15	
	Red clay.....	5	20	
	Red, hard rock.....	1	21	
	Grey, soft rock.....	10	31	