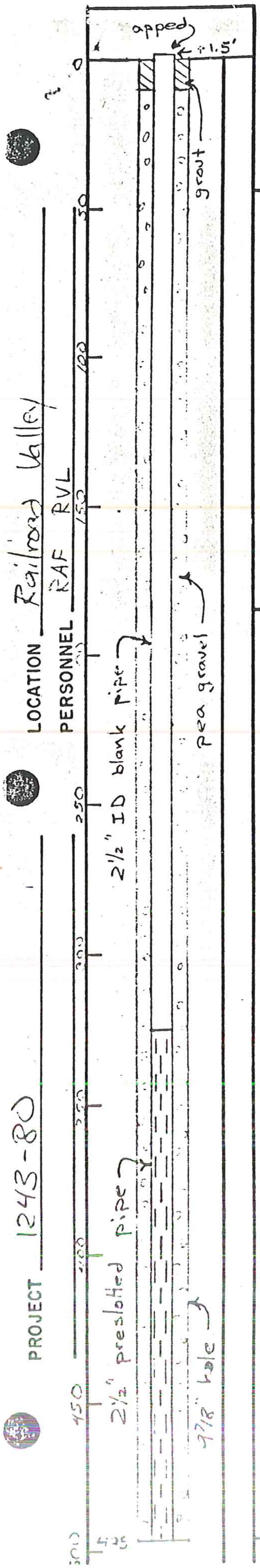
WELL RR-S-O-1

WELL CONSTRUCTION SUMMARY



LOCATION or COORDS: Railroad Valley T3N, R52E, ... S½, SE¼

ELEVATION: GROUND LEVEL ≈5000'
TOP OF CASING +1.5' above surface

DRILLING SUMMARY:

TOTAL DEPTH 495'
BOREHOLE DIAMETER 9⅞'

DRILLER Randy Tallman
Carroll Johnson

RIG Ingersoll-Rand T4
BIT(S) 9⅞

DRILLING FLUID Bentonite mud

SURFACE CASING ———

CONSTRUCTION TIME LOG:

TASK	START DATE	START TIME	FINISH DATE	FINISH TIME
DRILLING: 9⅞"	8/14/80	0915	8/15/80	0200
GEOPHYS. LOGGING:	8/15/80	0200	8/15/80	0530
CASING: see below	8/17/80		8/18/80	
FILTER PLACEMENT:	8/17/80		8/18/80	
CEMENTING:	8/17/80		8/18/80	
DEVELOPMENT:	8/20/80	0900	8/20/80	1500
OTHER:				

WELL DESIGN:

BASIS: GEOLOGIC LOG X GEOPHYSICAL LOG X

CASING STRING(S): C=CASING S=SCREEN

From	To	Type
+1.5	325	C
325	495	S

CASING: C1 2½" ID pipe (20.5')
C2
C3
C4

SCREEN: S1 2½" ID factory slotted
S2 pipe 2" × .1' slots
S3 (21.2')
S4

CENTRALIZERS N/A

FILTER MATERIAL pea gravel 10-TD

CEMENT ... 0-10'

OTHER

WELL DEVELOPMENT

Airlift from bottom of hole
Until water cleared up

COMMENTS:

Casing, gravel ... set w/o supervision of Hydro-Search. ... reported by driller ... 15 ... [illegible]

LOG OF BOREHOLE

BOREHOLE RR-S-O-1

LOC. or COORDS. T3N, R52E, Sec. 2 E1/2 SE1/4
GROUND ELEV. ≈5000'
TOTAL DEPTH 470'
BOREHOLE DIAM. 9 7/8"

DRILLER Randy Tolman, R-C Drilling
RIG Ingersoll-Rand
BIT(S) 9 7/8"
FLUID Bentonite

	START	FINISH
DATE	8/14/80	
TIME	0430	

GEOPHYS. LOG X YES ___ NO
HOW LEFT

LOCATION
LOGGED BY
PROJECT

DEPTH	PENE. RATE ft/hr	CIRC RET	CIRC LOSS	AIRLIFT Q (gpm)	MATERIAL	SYM-BOL	DESCRIPTION and COMMENTS
0							
							Sands
10 0430							
	46						Valley fill composed of interbedded sands and gravels with minor amounts of clay. Sands and gravels consist of multicolored angular fragments and rounded grains of volcanic debris
20 0445							
	37.5						
0451							
	75						
30 0455							
0510	60						
Added Rod							
	44						
40							
	60						
052							
	60						
50 0531							
	33						
0540							
	25						
60 0552							
0718							
0723	60						Gravels w/ sand
0727	75						
0731	99						
80 0734	50						
0740							
	60						
0745							
	60						
0750							
	60						
100 0755							
	60						
0800							
	>5						
0814							
0819	35						
	35						
120 0834							
	N/A						This interval penetration rate is not accurate
0855							
	43						Large pebbles with clay in large balls
0902							
	43						
0909							
0942	43						Large broken up pebbles
140 0949							
	50						
0955							
	50						Large rounded pebbles.
1001							
	43						
1009							
	50						
160 1014							

LOG OF BOREHOLE

BOREHOLE RR-3-O-1

LOC. or COORDS. T3N, R52E
sec 2, E½, SE¼
GROUND ELEV. ± 5000'
TOTAL DEPTH 470'
BOREHOLE DIAM. 9 7/8"

DRILLER Randy Tolman
R-C Drilling
RIG Ingersoll-Rand
BIT(S) 9 7/8" rock tricone
FLUID bentonite

	START	FINISH
DATE	8/14/80	
TIME	0430	

GEOPHYS. LOG X YES ___ NO
HOW LEFT

LOCATION
LOGGED BY
PROJECT

DEPTH	PENE. RATE	CIRC. RET	CIRC. LOSS	AIRLIFT Q (gpm)	MATERIAL	SYM-BOL	DESCRIPTION and COMMENTS
160 1218							
1224	50						
170	50						
175 1236	43						large rounded pebbles with consolidated clay
180 1243	37.5						
185 1251							
1303	33 3						
1311	27						
1322	37.5						
200 1330	18.8						Valley fill composed of interbedded sands and gravels with minor amounts of clay. Sands and gravels consist of multicolored angular fragments and rounded grains of volcanic debris
1346	N/A						
1410	43						
1417	50						
220 1429	30						
1433	43						
1440	50						
1446							
1454	75						
240 1458	100						
1501	60						
1506	43						
1513	75						
260 1517							
1549	75						
1553	75						
1557	60						
1602	60						
280 1607	75						
1611							
1619	60						
1624	50						
1630	30						
300	N/A						
1652	27						
1705							
1713	19						
1721	60						
320 1731							

LOG OF BOREHOLE

LOC. or COORDS. T3N, R52E · sec 2, E1/2, SE1/4
GROUND ELEV. ≐ 5000'
TOTAL DEPTH 470'
BOREHOLE DIAM. 77/8"

DRILLER Randy Tolman
R-C Drilling
RIG Ingersoll-Rand
BIT(S) 97/8 tricone
FLUID Bentonite

	START	FINISH
DATE	8/14/80	
TIME	0430	

GEOPHYS. LOG X YES ___ NO
HOW LEFT ___

DEPTH	PENE. RATE	CIRC. RET	CIRC. LOSS	AIRLIFT Q (gpm)	MATERIAL	SYMBOL	DESCRIPTION and COMMENTS
320 1739							
1744	60						
1747	100						Valley fill composed of interbedded sands and gravels with minor amounts of clay.
1753	50						Sands and gravels consist of multicolored
180?	60						angular fragments and rounded grains of
340 1806	75						volcanic debris
1810	75						
181?	167						
181?	43						
360 1824							
1830	33						
18??	38						
18??	30						
1857	27						
380 1856	30						
19??	43						
1939	43						
1944	33						white chips
400 1955	38						
2003	30						
2013 2021	32						
2049	27						
420 2049	25						
2052	19						
2102	18						very irregular drilling – boulder?
2125 2147	50						
440 2155	75						
2159	75						
2203	23						
2216	43						
460 2223 2231	43						
2233	60						
2243							
480							

PROJECT ___
LOCATION ___
LOGGED BY ___