

WHITE-DIVISION OF WATER RESOURCES
CANARY-CLIENT'S COPY
PINK-WELL DRILLER'S COPY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY
Log No. 422677
Permit No. T
Basin 4605
NOTICE OF INTENT NO. 16338

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

1. OWNER SANTA FE PACIFIC MINERALS ADDRESS AT WELL LOCATION LONETREE MINE
MAILING ADDRESS 6200 UPTOWN BLVD N.E. SUITE #400 ALBUQUERQUE, NM 87110
2. LOCATION SW 1/4 SE 1/4 Sec 11 T 34 N/R 42 E HUMBOLDT County
PERMIT NO UNDESIGNATED BASIN Parcel No. N/A Subdivision Name N/A

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other
4. PROPOSED USE
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock
5. WELL TYPE
 Cable Rotary RVC
 Air Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
CLAY & SAND		0	39	39
WHITE & GRAY ROCK		39	52	13
RED & BLACK ROCK WITH CLAY MIXED		52	130	78
WHITE & RED ROCK		130	218	88
GRAY ROCK VERY HARD		218	270	52
RED & BLACK ROCK WITH CLAY MIXED		270	290	20
GRAY ROCK VERY BROKEN	XX	290	309	19
RED & BLACK ROCK WITH CLAY & SANDY CLAY (VERY BROKEN)	XX	309	630	321
CLAY SOME GRAY ROCK (VERY BROKEN)	XX	630	775	145
GRAY ROCK	XX	775	810	15
CLAY WITH SOME GRAY ROCK	XX	810	840	30
GRAY & WHITE ROCK VERY HARD (VALMY)	XX	840	1235	395

8. WELL CONSTRUCTION
Depth Drilled 1235 Feet Depth Cased 1230 Feet
HOLE DIAMETER (BIT SIZE)
From 45 Inches To 40 Feet
From 29 Inches To 1235 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
40	159	.375	0	40
30	86	.3125	40	240
20	66	.3125	240	840
20	66	.3125	840	1230

Perforations:
Type perforation LOUVRE
Size perforation
From 240 feet to 640 feet
From 720 feet to 800 feet
From 840 feet to 1040 feet
From 1060 feet to 1220 feet

Surface Seal: Yes No Seal Type: Neat Cement
Depth of Seal 60 Cement Grout
Placement Method: Pumped Concrete Grout
 Poured
Gravel Packed: Yes No
From 1230 feet to 60 feet

Date started JUNE 5, 1993
Date completed JULY 15, 1993

7. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift	400	281	2

9. WATER LEVEL
Static water level 234 feet below land surface
Artesian flow N/A G.P.M. N/A P.S.I.
Water temperature _____ °F Quality _____

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name LANG EXPLORATORY DRILLING Contractor
Address 2286 WEST 1500 SOUTH Contractor
SALT LAKE CITY, UTAH 84104
Nevada contractor's license number issued by the State Contractor's Board 0021976
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1388
Signed Gene Vapel
By driller performing actual drilling on site or contractor
Date SEPTEMBER 15, 1993