

DAILY DRILLING REPORT

Project - Hole: Emigrant, Shallow ΔT Date: 9-14-83

Location:      of      Sec.      T      R      Spud Date:     

County, State: Esmeralda, NV Day #: 1

Prog. Depth:      Contractor: Stevens-Harris

Geologist: Deymonaz Rig.: Failing 1500

Drilled      to      Mud/Air/     

Footage Cut 640' Temp: In      Out     

Hole Size 5 1/8" Wt     

Dev. Survey @ Vis     

Casing      Ph     

Bits, stabs, etc. & ser. #     

Lithology     

Additional Report Move equipment from Alum to Emigrant project; set up on E-1 @ 1pm

Hole E-1 (3028-201) 5 1/8" hole 0-200' Dry 0-50', foam 50-200'

Hole E-2 (3028-202) 5 1/8" hole 0-200' Dry 0-200'

Hole E-3 (3028-202) 5 1/8" hole 0-200' Dry 0-200'

Hole E-4 (3028-202) 5 1/8" hole 0-40' Dry 0-40'

Well History

<u>Interval</u>	<u>Hole Size</u>	<u>Casing</u>	<u>Expenditures</u>
<u>    </u>	<u>    </u>	<u>    </u>	Total to date <u>    </u>
<u>    </u>	<u>    </u>	<u>    </u>	Projected <u>    </u>
<u>    </u>	<u>    </u>	<u>    </u>	Cost/Ft <u>    </u>
<u>    </u>	<u>    </u>	<u>    </u>	Budgeted <u>    </u>

DAILY DRILLING REPORT

Project - Hole: Emigrant Shallow ΔT Date: 9-15-83  
 Location:      of      Sec.      T      R      Spud Date:       
 County, State: Esmeralda, NV Day #: 2  
 Prog. Depth:      Contractor: Stevens-Harris  
 Geologist: Deymonaz Rig.: Failing 1500

Drilled      to      Mud/Air/       
 Footage Cut 566' Temp: In      Out       
 Hole Size 5" and 5 1/8" Wt       
 Dev. Survey @ Vis       
 Casing      Ph       
 Bits, stabs, etc. & ser. #     

Lithology     

Additional Report Complete E-4 to 200', drill E-11 to 406', encountered 96°C  
water at 398, making 55-60 6 gpm at TD. Collected water samples W15008 and W15009.

Shut down for scheduled break at 1 p.m.

Hole E-4 (3028-204) 5 1/8" hole 40-200 Dry 40-200'

Hole E-11 (3028-211) 5" hole 0-406 Dry 0-290' Foam 290-406'

Well History

Interval	Hole Size	Casing

Expenditures

Total to date       
 Projected       
 Cost/Ft       
 Budgeted

DAILY DRILLING REPORT

Project - Hole: Emigrant Shallow ΔT Date: 9-20-83

Location: \_\_\_\_\_ of \_\_\_\_\_ Sec. \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ Spud Date: \_\_\_\_\_

County, State: Esmeralda, NV Day #: 3

Prog. Depth: \_\_\_\_\_ Contractor: Stevens-Harris

Geologist: Deymonaz Rig.: Failing 1500

Drilled \_\_\_\_\_ to \_\_\_\_\_ Mud/Air/ Air

Footage Cut 200' Temp: In \_\_\_\_\_ Out \_\_\_\_\_

Hole Size 5" Wt \_\_\_\_\_

Dev. Survey \_\_\_\_\_ @ \_\_\_\_\_ Vis \_\_\_\_\_

Casing \_\_\_\_\_ Ph \_\_\_\_\_

Bits, stabs, etc. & ser. # \_\_\_\_\_

Lithology \_\_\_\_\_

Additional Report Crew returned from break and set up on abandoned mineral  
drill hole at noon. RIH, drill out several bridges. Air lift 100-120 GPM  
boiling water (72°C at surface) from 780' and collect water sample. Move  
rig to E-5 (water sample W-14553)

Hole E-5 (3028-205) 5" hole 0-200'. Dry 0-80' foam 80-200'

Well History

Interval	Hole Size	Casing
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

Total to date \_\_\_\_\_  
 Projected \_\_\_\_\_  
 Cost/Ft \_\_\_\_\_  
 Budgeted \_\_\_\_\_

DAILY DRILLING REPORT

Project - Hole: Emigrant Shallow ΔT Date: 9-21-83

Location: \_\_\_\_\_ of \_\_\_\_\_ Sec. \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ Spud Date: \_\_\_\_\_

County, State: Esmeralda, NV Day #: 4

Prog. Depth: \_\_\_\_\_ Contractor: Stevens-Harris

Geologist: \_\_\_\_\_ Rig.: Failing 1500

Drilled \_\_\_\_\_ to \_\_\_\_\_ Mud/Air/ Air

Footage Cut 640' Temp: In \_\_\_\_\_ Out \_\_\_\_\_

Hole Size 5" Wt \_\_\_\_\_

Dev. Survey \_\_\_\_\_ @ \_\_\_\_\_ Vis \_\_\_\_\_

Casing \_\_\_\_\_ Ph \_\_\_\_\_

Bits, stabs, etc. & ser. # \_\_\_\_\_

Lithology \_\_\_\_\_

Additional Report \_\_\_\_\_

E-6 (3028-206) 5" hole 0-200 Dry 0-140' Foam 140'-200'

E-12 (3028-212) 5" hole 0-200 Dry 0-110' Foam 110'-200'

E-8 (3028-208) 5" hole 0-200 Dry 0-100' Foam 100'-200'

E-10 (3028-210) 5" hole 0-40 Dry 0-10' Foam 10'-40'

Well History

Interval	Hole Size	Casing	<u>Expenditures</u>
_____	_____	_____	Total to date _____
_____	_____	_____	Projected _____
_____	_____	_____	Cost/Ft _____
_____	_____	_____	Budgeted _____
_____	_____	_____	

DAILY DRILLING REPORT

Project - Hole: Emigrant Shallow ΔT Date: 9-22-83  
 Location:        of        Sec.        T        R        Spud Date:         
 County, State: Esmeralda, NV Day #: 5  
 Prog. Depth:        Contractor: Stevens-Harris  
 Geologist: Deymonaz Rig.: Failing 1500

Drilled        to        Mud/Air/ Air  
 Footage Cut 640' Temp: In        Out         
 Hole Size 5" Wt         
 Dev. Survey @ Vis         
 Casing        Ph         
 Bits, stabs, etc. & ser. #       

Lithology       

Additional Report Hole E-10 encountered water in poorly consolidate gravel at 40',  
air lifting 80 GPM at TD but unable to keep hole open without heavy foam, no sample  
collected. Encountered cavern or lg. fracture in E-13 from 90'-120', 49.68<sup>0</sup>C in  
open hole at 110', unable to drill ahead, fine sand and muck keep plugging bit.  
Released rig at 7 p.m.

E-10 (3028-210) 5" hole 40'-200' Foam 40'-200'  
E-7 (3028-207) 5" hole 0-200' Dry 0-120' Foam 120'-200'  
E-13 (3028-213) 5" hole 0-120' Dry 0-40' Foam 40'-120'  
E-9 (3028-209) 5" hole 0-160' Dry 0-50' Foam 50'-160'

Well History

Interval	Hole Size	Casing	Expenditures
<u>      </u>	<u>      </u>	<u>      </u>	Total to date <u>23,000</u>
<u>      </u>	<u>      </u>	<u>      </u>	Projected <u>23,000'</u>
<u>      </u>	<u>      </u>	<u>      </u>	Cost/Ft <u>8<sup>56</sup>/ft.</u>
<u>      </u>	<u>      </u>	<u>      </u>	Budgeted <u>23,000</u>