

DAILY DRILLING REPORT

Project - Hole: 864 28-18 Date: May 27, 1981

Location: SW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 18 T 22N R 40E Spud Date: May 27, 1981

County, State: Churchill County, Nevada Day #: 1

Prog. Depth: 3,000' - 4,000' Contractor: Anderson

Geologist: Mark Avery Rig.: Schram Rotodrill

Drilled 0' to 45' Mud/Air/ Foam injection

Footage Cut 45' Temp: In _____ Out _____

Hole Size 17 $\frac{1}{2}$ " 0-21'; 12 $\frac{1}{2}$ " 21-45' Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing 14" 0-21' Ph _____

Bits, stabs, etc. & ser. # _____

Lithology Tuffs/tuffaceous sediments

Additional Report _____

Set 21' of 14' surface conductor, drilled 21-45' with 12 $\frac{1}{2}$ " bit.

Well History

Interval	Hole Size	Casing
<u>0-21'</u>	<u>17$\frac{1}{2}$"</u>	<u>14"</u>
<u>21-45'</u>	<u>12$\frac{1}{2}$"</u>	<u>no</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

Total to date _____

Projected _____

Cost/Ft _____

Budgeted _____

DAILY DRILLING REPORT

Project - Hole: 864 28-18 Date: May 28, 1981

Location: SW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 18 T 22N R 40E Spud Date: May 27, 1981

County, State: Churchill County, Nevada Day #: 2

Prog. Depth: 3,000' - 4,000' Contractor: Anderson

Geologist: Mark Avery Rig.: Schram Rotodrill

Drilled 0' to 200
45' Mud (Air/) Foam injection

Footage Cut 155' Temp: In _____ Out _____

Hole Size 12 $\frac{1}{2}$ " Wt _____

Dev. Survey @ Vis _____

Casing 14" 0-21' Ph _____

Bits, stabs, etc. & ser. # _____

Lithology Welded tuffs and tuffs

Additional Report Drill rate 25-30' per hour, crews working day shift only.

Well History

Interval	Hole Size	Casing
<u>0-21'</u>	<u>17$\frac{1}{2}$"</u>	<u>14"</u>
<u>21-200'</u>	<u>12$\frac{1}{2}$"</u>	<u>no</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

Total to date _____
Projected _____
Cost/Ft _____
Budgeted _____

DAILY DRILLING REPORT

Project - Hole: 864 28-18 Date: May 29, 1981
 Location: SW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 18 T 22N R 40E Spud Date: May 27, 1981
 County, State: Churchill County, Nevada Day #: 3
 Prog. Depth: 3,000' - 4,000' Contractor: Anderson
 Geologist: Mark Avery Rig.: Schram Rotodrill

Drilled 200' to 280' Mud (Air) Foam injection
 Footage Cut 80' Temp: In _____ Out _____
 Hole Size 12 $\frac{1}{2}$ " Wt _____
 Dev. Survey @ Vis _____
 Casing 14" 0-21' Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Drilled 200-280'. Down for repairs on rotary head
at 12:30.

Well History

Interval	Hole Size	Casing
<u>0-21'</u>	<u>17$\frac{1}{2}$</u>	<u>14"</u>
<u>21-200'</u>	<u>12$\frac{1}{2}$</u>	<u>no</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

Total to date _____
 Projected _____
 Cost/Ft _____
 Budgeted _____

DAILY DRILLING REPORT

Project - Hole: 864 28-18 Date: May 30, 1981
 Location: SW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 18 T 22N R 40E Spud Date: May 27, 1981
 County, State: Churchill County, Nevada Day #: 4
 Prog. Depth: 3,000' - 4,000' Contractor: Anderson
 Geologist: Mark Avery Rig.: Schram Rotodrill

Drilled 280' to 403' Mud Air Foam injection
 Footage Cut 123' Temp: In _____ Out _____
 Hole Size 12 $\frac{1}{4}$ Wt _____
 Dev. Survey @ Vis _____
 Casing 14" 0-21' Ph _____

Bits, stabs, etc. & ser. # _____

Lithology Welded and nonwelded tuffs.

Additional Report Completed 12 $\frac{1}{4}$ " hole to 403', ran casing to 403'

Well History

Interval	Hole Size	Casing
<u>0-21</u>	<u>17$\frac{1}{2}$</u>	<u>14"</u>
<u>21-200</u>	<u>12$\frac{1}{4}$</u>	<u>no</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

Total to date _____
 Projected _____
 Cost/Ft _____
 Budgeted _____

DAILY DRILLING REPORT

Project - Hole: 864 28-18 Date: May 31, 1981
 Location: SW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 18 T 22N R 40E Spud Date: May 27, 1981
 County, State: Churchill County, Nevada Day #: 5
 Prog. Depth: 3,000 - 4,000' Contractor: Anderson
 Geologist: Mark Avery Rig.: Schram Rotodrill

Drilled _____ to _____ Mud/Air/ _____
 Footage Cut 0' Temp: In _____ Out _____
 Hole Size _____ Wt _____
 Dev. Survey _____ @ _____ Vis _____
 Casing 14" 0-21'; 9-5/8" 0-403' Ph _____
 Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Completed running 9-5/8" casing 0-403'; will cement on
6/1/81 using redimix cement slurry. Started moving equipment to
Tuscarora in preparation for hole 41-16.

Well History

Interval	Hole Size	Casing
<u>0-21</u>	<u>17$\frac{1}{4}$</u>	<u>14"</u>
<u>21-403</u>	<u>12$\frac{1}{4}$</u>	<u>9-5/8"</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

Total to date _____
 Projected _____
 Cost/Ft _____
 Budgeted _____

DAILY DRILLING REPORT

Project - Hole: 864 28-18 Date: June 1, 1981
 Location: S.W. 1/4 of S.W. 1/4 Sec. 18 T 22N R 40E Spud Date: May 27, 1981
 County, State: Churchill, Nevada Day #: 6
 Prog. Depth: 3,000' - 4,000' Contractor: Anderson
 Geologist: Mark Avery Rig.: Schram Rotodrill

Drilled _____ to _____ Mud/Air/ _____
 Footage Cut 0' Temp: In _____ Out _____
 Hole Size _____ Wt _____
 Dev. Survey @ Vis _____
 Casing _____ Ph _____
 Bits, stabs, etc. & ser. # _____

Lithology Welded and nonwelded tuffs.
 Additional Report Pumped 8 yds. of cement slurry down casing, and got returns
in annulus to within 15' of surface. Completed by mixing 10 bags of cement and
top cementing upper 15'. Pulled joint of 14" conductor. Crews rigging down and
trucking equipment to Tuscarora. Expect to spud in Tuscarora 41-16 on 6/6/81.

Well History

Interval	Hole Size	Casing	Expenditures
<u>0-21</u>	<u>17 1/2</u>	<u>14" (removed)</u>	Total to date _____
<u>21-403</u>	<u>12 1/2</u>	<u>9-5/8"</u>	Projected _____
_____	_____	_____	Cost/Ft _____
_____	_____	_____	Budgeted _____