

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: May 2 & 3, 1981

Location: NW $\frac{1}{2}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: 3.26.81

County, State: Churchill County, NV Day #: _____

Prog. Depth: 2,000 Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Moving equipment to new drill site - cleaning up 25-9

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: 5.1.81

Location: NW $\frac{1}{2}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: 3.26.81

County, State: Churchill County, NV Day #: _____

Prog. Depth: 2,000 Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt. _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report 0900 hours began running 2 3/8" tubing down hole
1600 hours 2 3/8" tubing to 1500'
2000 hours final 500 feet of tubing run to 2000'

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: 4.30.81

Location: NW¹/₂ of SW¹/₄ Sec. 9 T 22N R 40E Spud Date: 3.26.81

County, State: Churchill County, NV Day #: _____

Prog. Depth: 2,000 Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report at 1000 hours continued cleaning hole with 6" bit
2000'-at 1600 hours began pulling drill pipe-at 0400
finishing pulling rods-ended shift

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 29, 1981

Location: NW $\frac{1}{2}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: 3.26.81

County, State: Churchill County, NV Day #: _____

Prog. Depth: 2,000 Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Cleaned hole from 1600' to 1650' Plugged the

bit at 1650' - pulled out of hole, cleaned bit - ran drill pipe back down

to 1650' by 1600 hours - ended shift

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 28, 1981

Location: NW $\frac{1}{2}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: 3.26.81

County, State: Churchill County, NV Day #: _____

Prog. Depth: 2,000 Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Continued pulling main stream at 2 3/8" tubing -

tubing removed completely by 1300 hours. Ran down hole - then

drill bit to 1600' by 1700 hours - ended shift

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 27, 1981

Location: NW $\frac{1}{2}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: 3.26.81

County, State: Churchill County, NV Day #: _____

Prog. Depth: 2,000 Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology 3:00 _____

Additional Report Build fishing pole at 1400 hours, began fishing,

caught short section of 2 3/8" tubing and retrieval at 0230 hours

caught main stream of tubing and started pulling

4:00 P.M. ended shift

Well History

<u>Interval</u>	<u>Hole Size</u>	<u>Casing</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 26, 1981
Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: March 26, 1981
County, State: Churchill County, NV Day #: 32
Prog. Depth: 2,000' Contractor: Anderson
Geologist: Mark Avery Rig.: _____

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

Lithology _____
Additional Report No work done.

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 25, 1981
 Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: March 26, 1981
 County, State: Churchill County, NV Day #: 31
 Prog. Depth: 2,000' Contractor: Anderson
 Geologist: Mark Avery Rig.: _____

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

Lithology _____

Additional Report No work done by drilling crew.

9:00 a.m. - H&H Tool Company arriveds, brining trailer for
Hy-Drill BOP unit. Percy Wicklund, AMAX Drilling Supervisor,
arriveds at 1500 from Denver; Art Anderson returns from Duluth.

Well History

<u>Interval</u>	<u>Hole Size</u>	<u>Casing</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 24, 1981
 Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: March 26, 1981
 County, State: Churchill County, NV Day #: 30
 Prog. Depth: 2,000' Contractor: Anderson
 Geologist: Mark Avery Rig.: _____

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

Lithology _____

Additional Report Crew spent day trying to locate fishing tool in Elko. All work
at drill site suspended until A. Anderson returns from Duluth.

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 23, 1981

Location: NW 1/4 of SW 1/4 Sec. 9 T 22N R 40E Spud Date: 3/26/81

County, State: Churchill County, NV Day #: 29

Prog. Depth: 2,000' Contractor: Anderson

Geologist: Mark Avery Rig.:

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Crew spent all day pulling 2-7/8" tubing out of hole. With 40' remaining, tubing slips off rotary and drops down hole to 1200' level. End of shift.

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 22, 1981
 Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: MArch 26, 1981
 County, State: Churchill County, NV Day #: 28
 Prog. Depth: 2,000' Contractor: Anderson
 Geologist: Mark Avery Rig.: _____

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

Lithology _____

Additional Report Crew spent two hours pushing 2-7/8" tubing from 1650' to 1680'.
Very tight at 1300'. Tubing breaks at about 1200'. Must go fishing for tubing
below this point. 1400 hours: Send wireline tool down hole to find depth of
break. Tool feels bottom at 1218'. End shift. Stuck in hole.

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 21 1981

Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: 3/26/81

County, State: Churchill County, NV Day #: 27

Prog. Depth: 2,000' Contractor: Anderson

Geologist: Mark Avery Rig.: _____

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Unloading casing - 9:00 a.m. At 11:00 a.m. making repairs on
rig. 2:00 p.m. setting 2-7/8" tubing. Tubing at 1650' (+/-)
Pumping water through tubing to clean hole. Tubing blocked
at 1655'.

Well History

<u>Interval</u>	<u>Hole Size</u>	<u>Casing</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 18, 1981
 Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 : T 22N R 40E Spud Date: 3/26/81
 County, State: Churchill County, NV Day #: 24
 Prog. Depth: 2,000' Contractor: Anderson
 Geologist: Mark Avery Rig.: _____

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

Lithology _____

Additional Report Fixed Wisch motor with gear from other drill rig. Pulled rods and removed bit. Prepared to run tubing. Welded bit on first joint of tubing. Began running 2" tubing (12:00). Blew hydraulic hose between mud pumps. Shut down. (3:30)

April 19, 1981 - Easter holiday - still shut down - waiting on parts from Reno.

Well History

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 17, 1981

Location: NW¼ of SW¼ Sec. 9 T 22N R 40E Spud Date: 3/26/81

County, State: Churchill County, NV Day #: 23

Prog. Depth: 2,000' Contractor: Anderson

Geologist: Mark Avery Rig.: _____

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report 8:00 a.m. hole 25-9 logged by MicroGeophysics' Bob Shriner.

Hole logged to 1660' and water level at 1460'. Hole plugged below 1660'.

Put on new 6" Tricone bit. Began to run rods when Wisch motor gear broke. Rig shut down.

Well History

<u>Interval</u>	<u>Hole Size</u>	<u>Casing</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: 4/16/81

Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: 3/26/81

County, State: Churchill County, Nevada Day #: 22

Prog. Depth: 2,000' Contractor: Anderson

Geologist: Mark Avery Rig.: _____

Drilled n/a to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Pulling rods by 8:45. At 9:10 a.m., hydraulic hose ruptures again. At 2:00 p.m. rig still shut down while Art drives to Fallon for parts to fix hose. By 6:00 p.m. hose is repaired. 11:40 p.m. pulling rods which "break very hard". By 3:00 unloading 2" tubing from truck.

Well History

<u>Interval</u>	<u>Hole Size</u>	<u>Casing</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 15, 1981
 Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: March 26, 1981
 County, State: Churchill County, Nevada Day #: 19
 Prog. Depth: 2,000' Contractor: Anderson
 Geologist: Mark Avery Rig.: _____

Drilled n/a to _____ Mud/Air/ _____
 Footage Cut _____ Temp: In _____ Out _____
 Hole Size _____ Wt _____
 Dev. Survey _____ @ _____ Vis _____
 Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Hydraulic hose breaks while pulling rods. Temporarily stuck in hole. MicroGeophysics logger (Bob) on standby (10:00am). Night crew able to fix hydraulics but rod still in ground as of this report day. Should be logging hole by noon 4/16/81.

Well History

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

DAILY DRILLING REPORT

Project - Hole: #864 25-9 Date: April 14, 1981

Location: NW 1/2 of SW 1/4 Sec. 9 T 22N R 40E Spud Date: 3-26-81

County, State: Churchill County, NV Day #: _____

Prog. Depth: 2,000 Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled 1742 to 2000' Mud/Air/ _____

Footage Cut 258' Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Hole completed - total depth of 2000' Water

sample at 1840' and 2000'

Well History

Interval

Hole Size

Casing

Expenditures

Total to date _____

Projected _____

Cost/Ft _____

Budgeted _____

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 13, 1981

Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: March 26, 1981

County, State: Churchill County, Nevada Day #: 17

Prog. Depth: 2,000' Contractor: Anderson

Geologist: Mark Avery Rig.: _____

Drilled 1630' to 1742' Mud/Air/ Air

Footage Cut 112' Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey @ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Night crew pulled rods - put on tricone bit with hammer. Put rods back down hole.

Took water sample at 1640' - (first appearance of water at 1640'.

Well History

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

DAILY DRILLING REPORT

Project - Hole: #864 25-9 Date: April 12, 1981

Location: NW $\frac{1}{2}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: 3-26-81

County, State: Churchill County, NV Day #: _____

Prog. Depth: 2,000 Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled 1520 to 1630 Mud/Air/ _____

Footage Cut 110' Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Temperature test at 1550'

Results: 18.42 OHMS

Replaced bit - continued drilling after 6:00 P.M.

Well History

Interval Hole Size Casing

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 12, 1981
 Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: March 26, 1981
 County, State: Churchill County, Nevada Day #: 16
 Prog. Depth: 2,000' Contractor: Anderson
 Geologist: John Deymonaz/Mark Avery Rig.: _____

Drilled 1520' to 1630' Mud/Air/ _____
 Footage Cut 110' Temp: In _____ Out 18.42 ohms
 Hole Size _____ Wt _____
 Dev. Survey _____ @ _____ Vis _____
 Casing _____ Ph _____
 Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report 7:30 a.m. - Send two helpers to Elko to help load and unload tubing, and bring tubing for well 25-9, McCoy; 10:20 a.m. - Drilling begins.
12:15 p.m. - Pulling rods. Removed seal; 2:45 p.m. - stanby for temperature test.
Results of temperature test: 18.42 ohms last reading. 6:00 p.m. - end day shift.
Evening shift - bit replaced, began drilling from 1550'. Slow drilling - hard formation.

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 11, 1981
 Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: March 26, 1981
 County, State: Churchill County, Nevada Day #: 16
 Prog. Depth: 2,000' Contractor: Anderson
 Geologist: John Deymonaz/Mark Avery Rig.: _____

Drilled 1360' to 1520' Mud/Air/ Air
 Footage Cut 160' Temp: In _____ Out _____
 Hole Size _____ Wt _____
 Dev. Survey _____ @ _____ Vis _____
 Casing _____ Ph _____
 Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report 8:00 a.m. - Main compressor developed leak. Cracked weld on
air lines. 3:30 p.m. - Compressor still leaking; 4:30 p.m. - Can't stop leak;
6:30 p.m. - end day shift, leak repaired. Crew began drilling after repair work
completed.

Well History

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 10, 1981

Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: March 26, 1981

County, State: Churchill County, Nevada Day #: 15

Prog. Depth: 2,000' Contractor: Anderson

Geologist: John Deymonaz/Mark Avery Rig.: _____

Drilled 1110' to 1360' Mud/Air/ Air

Footage Cut 250' Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Broken formation - some lost circulation problems. Slow drilling.

Well History

Interval

Hole Size

Casing

Expenditures

Total to date _____

Projected _____

Cost/Ft _____

Budgeted _____

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 9, 1981

Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: March 26, 1981

County, State: Churchill County, Nevada Day #: 14

Prog. Depth: 2,000' Contractor: Anderson

Geologist: Mark Avery Rig.: _____

Drilled 740' to 1110' Mud/Air/ _____

Footage Cut 370' Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey @ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Took temperature survey. Results: 23.25 ohms.

Well History

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

DAILY DRILLING REPORT

Project - Hole: #864 25-9 Date: April 9, 1981
Location: NW $\frac{1}{2}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: 3-26-81
County, State: Churchill County, NV Day #: _____
Prog. Depth: 2,000 Contractor: Anderson
Geologist: John Deymonaz Rig.: _____

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

Lithology _____

Additional Report mud top broke - shut down for repairs

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 8, 1981

Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: March 26, 1981

County, State: Churchill County, Nevada Day #: 14

Prog. Depth: 2,000' Contractor: Anderson

Geologist: Mark Avery Rig.: _____

Drilled 262' to 740' Mud/Air/ _____

Footage Cut 478' Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Started night crew; cracked weld on oil return
pipe at 11:25 P.M. Fixed by 12:14 A.M.

Well History

Interval

Hole Size

Casing

Expenditures

Total to date _____

Projected _____

Cost/Ft _____

Budgeted _____

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 7, 1981

Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: 3/26/81

County, State: Churchill County, Nevada Day #: 13

Prog. Depth: 2,000' Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Mud pump broke down - shut down for repairs.

Well History

<u>Interval</u>	<u>Hole Size</u>	<u>Casing</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 6 & 7, 1981

Location: NW¹/₄ of SW¹/₄ Sec. 9 T22N R 40E Spud Date: 3/26/81

County, State: Churchill County, Nevada Day #: 12

Prog. Depth: 2,000' Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report BOP arrived at 1800. Rigged up other equipment and waited on USGS to arrive. Completed BOP test at 0400 - 4/7/81. BOP tested at 350 pounds for 15 minutes.

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: 4/4/81

Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T22N R 40E Spud Date: 3/26/81

County, State: Churchill County, Nevada Day #: 10

Prog. Depth: 2,000' Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Replacement BOP arrived 8:00 a.m. Pressure test failed again.

Crew removed BOP. Ordered hydraulic unit to replace manual BOP.

Well History

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: 4/3/81

Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T22N R 40E Spud Date: 3/26/81

County, State: Churchill County, Nevada Day #: 9

Prog. Depth: 2,000' Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled _____ to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Dick Whiting arrived for BOP test. Both pipe and blind rams leaked badly. H&H service man adjusted rams several times with no improvement. Removed BOP and ordered replacement.

Well History

Interval

Hole Size

Casing

Expenditures

Total to date _____

Projected _____

Cost/Ft _____

Budgeted _____

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: April 2, 1981
 Location: NW¹/₄ of SW¹/₄ Sec. 9 T 22N R 40E Spud Date: 3/26/81
 County, State: Churchill County, NV Day #: 8
 Prog. Depth: 2,000' Contractor: Anderson
 Geologist: John Deymonaz Rig.: _____

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

Lithology _____

Additional Report Completed cementing casing by pumping additional 50 cu.ft.
down annulus. Dug cellar and installed BOPE and rigged up for BOP test. Will
begin 24-hour-per-day operation on 4/3/81.

Well History

Interval	Hole Size	Casing	Expenditures	
			Total to date	Projected
0-22'	17 ¹ / ₂ "	14"	_____	_____
0-262'	12 ¹ / ₄ "	9-5/8"	_____	_____
_____	_____	_____	Cost/Ft _____	_____
_____	_____	_____	Budgeted _____	_____

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: 4/1/81
 Location: NW¼ of SW¼ Sec. 9 T 22N R 40E Spud Date: 3/26/81
 County, State: Churchill County, NV Day #: 7
 Prog. Depth: 2,000' Contractor: Anderson
 Geologist: John Deymonaz Rig.: _____

Drilled _____ to _____ Mud/Air/ _____
 Footage Cut _____ Temp: In _____ Out _____
 Hole Size _____ Wt _____
 Dev. Survey _____ @ _____ Vis _____
 Casing 9-5/8" 0-262' Ph _____
 Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Completed repairs. Pumped 90 cu.ft. of cement down into casing and lost most of it into formation. Pumped 40 cu.ft. down annulus which also went out into formation. Lost circulation zone is apparently in fractured chert conglomerate and chert in the lower 40' of the hole.

Well History

Interval	Hole Size	Casing
<u>0-22'</u>	<u>17½"</u>	<u>14"</u>
<u>0-262'</u>	<u>12¼"</u>	<u>9-5/8"</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

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

RECEIVED APR 6 1981

AMAX EXPLORATION, INC.
A SUBSIDIARY OF AMAX INC.

GEOTHERMAL BRANCH

April 3, 1981

Ms. Barbara Fife, Secretary
O'Brien Resources
154 Hughes Road, Suite 4
Grass Valley, CA 95945

RE: AMAX Exploration, Inc. McCoy Project (864)
Daily Drill Reports

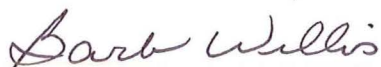
Dear Barb:

Enclosed please find daily drill reports on the above-referenced project dated from March 27, 1981 through April 2, 1981.

If I can be of further assistance, please call.

Sincerely,

AMAX EXPLORATION, INC.



Barb Willis
Secretary, Land Records and Permits

/bsw
Enclosures

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: March 31, 1981

Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T22N R 40E Spud Date: 3/26/81

County, State: Churchill County, NV Day #: 6

Prog. Depth: 2,000' Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled N/A to _____ Mud/Air/ _____

Footage Cut N/A Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing _____ Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Repairing rotary head and hauling water. No other activity.

Well History

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

Expenditures

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

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: 3/30/81

Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: 3/26/81

County, State: Churchill County, NV Day #: 5

Prog. Depth: 2,000' Contractor: Anderson

Geologist: John Deymonaz Rig.: _____

Drilled N/A to _____ Mud/Air/ _____

Footage Cut _____ Temp: In _____ Out _____

Hole Size _____ Wt _____

Dev. Survey _____ @ _____ Vis _____

Casing Set casing 9-5/8" 0-220' Ph _____

Bits, stabs, etc. & ser. # _____

Lithology _____

Additional Report Set 9-5/8" casing to 220', hydraulic rotary head motor broke down, replaced motor. Remainder of casing will be set and cemented on 3/31/81.

Well History

Interval	Hole Size	Casing	Expenditures	
			Total to date	Budgeted
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: march 28 & 29, 1981
 Location: NW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 9 T 22N R 40E Spud Date: 3/26/81
 County, State: Churchill County, NV Day #: 3 & 4
 Prog. Depth: 2,000' Contractor: Anderson
 Geologist: John Deymonaz Rig.: _____

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

Lithology _____
 Additional Report Shut down due to weather delay.

Well History

Interval	Hole Size	Casing	Expenditures	
			Total to date	Projected
0-22'	17 $\frac{1}{2}$ "	14"	_____	_____
22'-262'	12 $\frac{1}{4}$ "	---	_____	_____
_____	_____	_____	Cost/Ft _____	_____
_____	_____	_____	Budgeted _____	_____

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: March 27, 1981
 Location: NW¹/₄ of SW¹/₄ Sec. 9 T 22N R 40E Spud Date: 3/26/81
 County, State: Churchill County, Nevada Day #: 2
 Prog. Depth: 2,000' Contractor: Anderson
 Geologist: John Deymonaz Rig.: _____

Drilled 85' to 262' Mud/Air/ water/foam injection
 Footage Cut 77' Temp: In _____ Out _____
 Hole Size 12¹/₄" Wt _____
 Dev. Survey @ Vis _____
 Casing _____ Ph _____
 Bits, stabs, etc. & ser. # 12¹/₄" hammer

Lithology triassic conglomerate; quartzite; minor siltstone
 Additional Report Drilled 12¹/₄" hole from 85' to 262'. Not able to obtain water or fuel delivery due to rain and snow. Ready to run 9-5/8" casing when roads dry out.

Well History

Interval	Hole Size	Casing	Expenditures		
			Total to date	Projected	Budgeted
<u>0-22'</u>	<u>17¹/₂"</u>	<u>14"</u>	_____	_____	_____
<u>22'-262'</u>	<u>12¹/₄"</u>	<u>---</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

DAILY DRILLING REPORT

Project - Hole: 864 25-9 Date: March 26, 1981
 Location: NW¹/₄ of SW¹/₄ Sec. 9 T 22N R 40E Spud Date: 3/26/81
 County, State: Churchill Cty, Nevada Day #: 1
 Prog. Depth: 2,000' Contractor: _____
 Geologist: Avery and Deymonaz Rig.: _____

Drilled 0 to 85' Mud/Air/ water/foam injection
 Footage Cut 85' Temp: In _____ Out _____
 Hole Size 17¹/₂" 0-22'; 12¹/₄" 22'-85' Wt _____
 Dev. Survey N/A @ Vis _____
 Casing 14" 0-22' Ph _____

Bits, stabs, etc. & ser. # _____

Lithology Triassic conglomerate

Additional Report Set up on location - drilled 17¹/₂" hole 0-22'; set 22' of 14" surface conductor; drilled 22'-85' with 12¹/₄" hammer. Small amount of water - approximately 2 gpm - at 30-40'.

Well History

Interval	Hole Size	Casing
<u>0-22'</u>	<u>17¹/₂"</u>	<u>14"</u>
<u>22-85'</u>	<u>12¹/₄"</u>	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Expenditures

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