

WELL DRILLERS REPORT

Please complete this form in its entirety

OFFICE USE ONLY
 Log No. 21830
 Permit No. 28063
 Basin.....

1. OWNER Phillips Petroleum Company ADDRESS P.O. Box 10566, Reno, Nevada 89510
 2. LOCATION SE 1/4 SE 1/4 Sec. 29 T. 22 N/8 R. 27 E Churchill County
 PERMIT NO. 28063

3. TYPE OF WORK
 New Well Recondition
 Deepen Other
 4. PROPOSED USE
 Domestic Irrigation Test
 Municipal Industrial Stock
 5. TYPE WELL
 Cable Rotary
 Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Clay, sandstone, siltstone		0	700	700
Andesite		700	830	130
Basalt		830	2610	1780
Sandstone, siltstone, clay		2610	2740	130
Basalt		2740	3000	260
Basalt and tuff		3000	3300	300
Tuff		3300	4540	1240
Phyllite		4540	4730	190
Quartzite and greenstone		4730	4950	220
Basalt		4950	5300	350
Tuff		5300	5490	190
Marble		5490	5550	60
Tuff and greenstone		5550	5950	400
Marble		5950	6130	180
Greenstone		6130	6540	410
Phyllite		6540	6700	160
Quartz Diorite		6700	6710	10
Quartzite		6710	7050	340
Quartz Diorite		7050	7060	10
Quartzite		7060	7300	240
Hornblendite		7300	7662	362

8. WELL CONSTRUCTION
 Diameter hole..... inches Total depth 7662 feet
 Casing record 13 3/8"OD casing to 775 feet
 Weight per foot..... 54 Thickness 3/8"

Diameter	From	To
<u>13 3/8"</u> inches	<u>0</u> feet	<u>775</u> feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet

 Surface seal: Yes No Type... Cement
 Depth of seal..... 775 feet
 Gravel packed: Yes No
 Gravel packed from..... feet to..... feet
 Perforations:
 Type perforation... NA
 Size perforation.....
 From..... feet to..... feet
 From..... feet to..... feet
 From..... feet to..... feet
 From..... feet to..... feet
 From..... feet to..... feet

Date started..... April 2....., 1974
 Date completed..... May 9....., 1974

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump

BAILER TEST
 G.P.M..... Draw down..... feet hours
 G.P.M..... Draw down..... feet hours
 G.P.M..... Draw down..... feet hours

9. WATER LEVEL
 Static water level..... 197..... Feet below land surface
 Flow..... G.P.M.
 Water temperature Hot ° F. Quality Poor

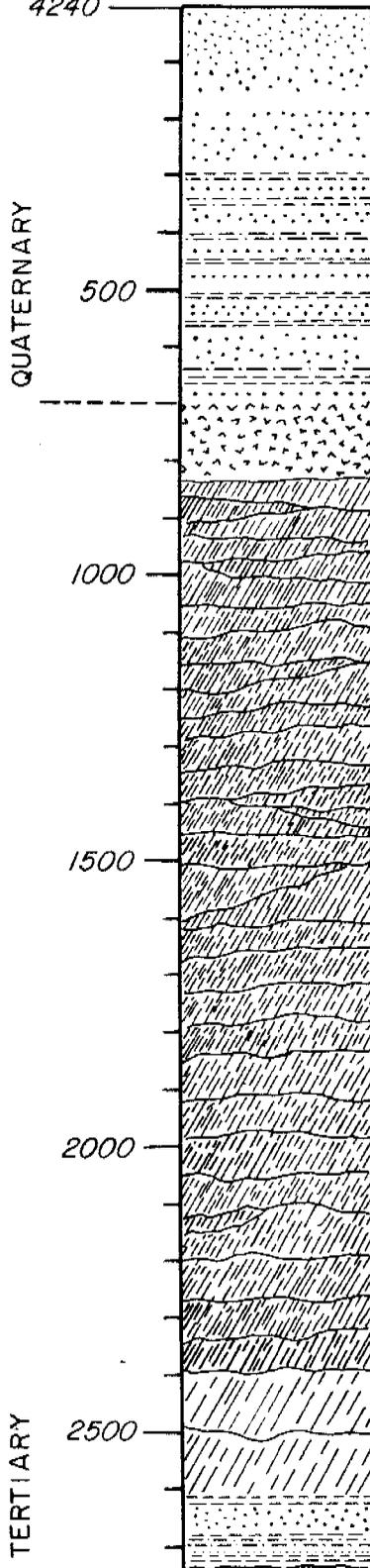
10. DRILLERS CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 This report was prepared by
 Name R.T. Forest from daily drilling reports and from geologists' logs of cuttings.
 Address.....
 Nevada contractor's license number.....
 Nevada driller's license number.....
 Signed.....
 Date.....

LITHOLOGIC LOG OF DESERT PEAK 29-1

WELL LOG
No. 21830
PERMIT 28068

Location: SE¹/₄ SE¹/₄ Sec. 29, T22N, R27E
Churchill County, Nevada
Date started - April 2, 1974
Date completed - May 9, 1974

Collar elevation
4240'



Upper Tertiary to Recent sediments - composed mostly of sandstone, siltstone with some clay.

Andesite - varies from fresh to heavily chloritized.

Basalt - generally heavily chloritized and often iron stained. Often vesicles are seen lined with chlorite.

Basalt - logs show this section of basalt to be very porous compared to the other basalts.

Chloritic sediments - sandstone, siltstone and clay.

TERTIARY

2500

Basalt - logs show this section of basalt to be very porous compared to the other basalts.

Chloritic sediments - sandstone, siltstone and clay.

3000

Basalt - varies from fresh to heavily chloritized.

Interbedded sediments, basalt flows, and tuff beds.

3500

Tuff - a series of rhyolitic tuffs, and flows, mostly pink to white in color and fine grained. A few dikes of latite or dacite apparently cut this section.

4000

4500

Phyllite - dark grey to black, well fractured and cemented with calcite and quartz. Interbedded tuff appears to be present. Contact relationship with overlying Tertiary volcanics is not known.

Quartzite

Greenstone - probably Mesozoic metavolcanics.

MESOZOIC

5000

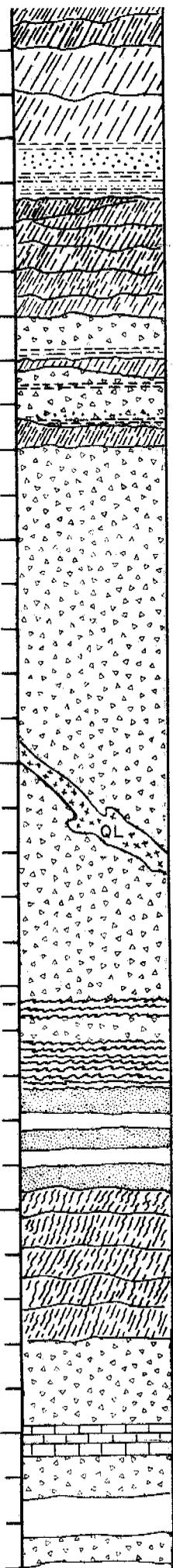
Basalt - finely crystalline metamorphosed Mesozoic mafic rock.

Tuff - rhyolitic Mesozoic tuff

5500

Marble - white - nearly pure Mesozoic marble.

Interbedded sequence of light colored tuffs, tuffaceous sediments, and greenstone.



MESOZOIC

5000

5500

6000

6500

7000

7500

T.D. 7662'

Phyllite - dark grey to black, well fractured and cemented with calcite and quartz. Interbedded tuff appears to be present. Contact relationship with overlying Tertiary volcanics is not known.

Quartzite

Greenstone - probably Mesozoic metavolcanics.

Basalt - finely crystalline metamorphosed Mesozoic mafic rock.

Tuff - rhyolitic Mesozoic tuff

Marble - white nearly pure Mesozoic marble.

Interbedded sequence of light colored tuffs, tuffaceous sediments, and greenstone.

Marble - white nearly pure Mesozoic marble.

Greenstone - predominately Mesozoic metavolcanics with some metasediments.

Phyllite - dark grey to black in color, numerous fractures are filled with calcite.

Quartz diorite - fine grained metamorphosed.

Quartzite - quite pure with minor chlorite flakes.

Quartz diorite - fine grained metamorphosed. *

Hornblendite - fresh, coarse grained granitic textured rock consisting of brown amphibole and plagioclase.