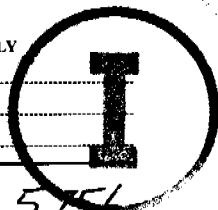


OFFICE USE ONLY  
 Log No. 32279  
 Permit No. \_\_\_\_\_  
 Basin. 137A



**WELL DRILLER'S REPORT**

Please complete this form in its entirety

PRINT OR TYPE ONLY

NOTICE OF INTENT NO. 575L

1. OWNER Unocal Corp. ADDRESS AT WELL LOCATION M-2

MAILING ADDRESS \_\_\_\_\_

2. LOCATION San Diego, CA SW  $\frac{1}{4}$  NW  $\frac{1}{4}$  Sec. 35 T. 3 N/S R. 42 E. Nye County

PERMIT NO. \_\_\_\_\_ Issued by Water Resources Parcel No. \_\_\_\_\_ Subdivision Name \_\_\_\_\_

3. TYPE OF WORK  
 New Well  Recondition   
 Deepen  Other

4. PROPOSED USE  
 Domestic  Irrigation   
 Municipal  Industrial

5. TYPE WELL  
 Monitor  Test   
 Stock  Cable  Rotary   
 Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
<u>Sandy Silt</u>		<u>0'</u>	<u>1'</u>	<u>1'</u>
<u>Rhyodacite</u>		<u>1'</u>	<u>13'</u>	<u>12'</u>
<u>Clay</u>		<u>13'</u>	<u>15'</u>	<u>2'</u>
<u>Rhyodacite</u>		<u>15'</u>	<u>20'</u>	<u>5'</u>
<u>Clay</u>		<u>20'</u>	<u>22'</u>	<u>2'</u>
<u>Rhyodacite</u>		<u>22'</u>	<u>30'</u>	<u>8'</u>

8. WELL CONSTRUCTION

Diameter 8 inches Total depth 30 feet

Casing record Surface to 25'

Weight per foot \_\_\_\_\_ Thickness Sched. 40 PVC

Diameter	From	To
<u>4</u> inches	<u>surface</u> feet	<u>25</u> feet
_____ inches	_____ feet	_____ feet
_____ inches	_____ feet	_____ feet
_____ inches	_____ feet	_____ feet
_____ inches	_____ feet	_____ feet
_____ inches	_____ feet	_____ feet

Surface seal: Yes  No  Type Cement-sand grout

Depth of seal 2 feet

Gravel packed: Yes  No

Gravel packed from 2 feet to 30 feet

Perforations:  
 Type perforation factory slotted screen  
 Size perforation 0.04 inch

From 5 feet to 25 feet

From \_\_\_\_\_ feet to \_\_\_\_\_ feet

RECEIVED  
 JUN 19 1989  
 Div. of Water Resources  
 Branch Office - Las Vegas, NV

Date started 9-13, 19 88  
 Date completed 9-13, 19 88

7. WELL TEST DATA

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

9. WATER LEVEL

Static water level 13 feet below land surface

Flow \_\_\_\_\_ G.P.M. \_\_\_\_\_ 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 Don Wilson / Converse Consultants  
 Contractor

Address 4670 S. Polaris Ave. Las Vegas, NV  
 Contractor 089103

Nevada contractor's license number issued by the State Contractor's Board \_\_\_\_\_

Nevada contractor's driller's number issued by the Division of Water Resources \_\_\_\_\_

Nevada driller's license number issued by the Division of Water Resources, the on-site driller M1589

Signed \_\_\_\_\_  
 By driller performing actual drilling on site or contractor

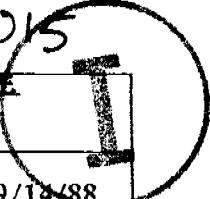
Date \_\_\_\_\_

BAILER TEST

G.P.M. \_\_\_\_\_ Draw down \_\_\_\_\_ feet \_\_\_\_\_ hours

G.P.M. \_\_\_\_\_ Draw down \_\_\_\_\_ feet \_\_\_\_\_ hours

G.P.M. \_\_\_\_\_ Draw down \_\_\_\_\_ feet \_\_\_\_\_ hours



Top of Casing 47.76 ft

Equipment Mayhew 1000 AR

Elevation ft (TBM) Date 9/14/88

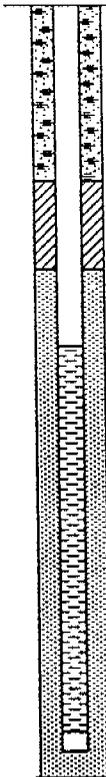
(See Plate 9 for Wellhead construction detail)  
8" dia. Borehole  
Cement-Sand Grout

4" dia. Blank PVC Casing  
Bentonite Seal

Filter Pack  
(medium aquarium sand)

4" dia. 0.04 Slotted  
PVC Casing

Well Cap



Blows/ft

HC Odor

PID

Depth ft  
Sample

No

No

No

Lo

Md

0

5

10

15

20

25

30

35

40

BROWN SILTY SAND (SM)  
dense, dry, fine- to coarse-grained sand, (fill).

GRAY RHYO-DACITE  
moderately weathered.  
brown, fractured, decomposed, moist

gray, moderately weathered  
brown, decomposed  
BROWN CLAYEY SAND (SC)  
wet, fine- to coarse-grained sand.

GRAY RHYO-DACITE  
dry.

brown, decomposed, moist

gray, less weathered

Boring terminated at 20.0 feet.  
Ground water encountered at 11 feet.  
Boring converted to ground-water monitoring well on 9/14/88.

DLN M-1589

Basin-10-137a



Harding Lawson Associates  
Engineers and Geoscientists

Log of Boring M- 4 (sheet 1 of 1)

Unocal Bulk Plant  
Tonopah, Nevada

NYE County

PLATE

7

DRAWN  
M.O.M.

JOB NUMBER  
00382, 142, 14

APPROVED

DATE  
10/88

REVISED

DATE