

WHITE-DIVISION OF WATER RESOURCES  
CANARY-CLIENT'S COPY  
PINK-WELL DRILLER'S COPY

STATE OF NEVADA  
DIVISION OF WATER RESOURCES

OFFICE USE ONLY  
Log No. 73937  
Permit No. \_\_\_\_\_  
Basin 212

PRINT OR TYPE ONLY  
DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 38804

1. OWNER SHELL OIL - Carson Terminal ADDRESS AT WELL LOCATION \_\_\_\_\_  
MAILING ADDRESS P.O. Box 6249 55 W. LAKE MEAD DRIVE  
Carson, CA 90749 HENDERSON, NV

2. LOCATION 1/4 NW 1/4 Sec. 18 T 22 N/S R. 63 E CLARK County \_\_\_\_\_  
PERMIT NO. MO-2743 179-18-204-009 Issued by Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED  New Well  Replace  Recondition  Deepen  Abandon  Other \_\_\_\_\_

4. PROPOSED USE  Domestic  Municipal/Industrial  Irrigation  Monitor  Test  Stock

5. WELL TYPE  Cable  Rotary  RVC  Air  Other HOLLOW STEM

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
SAND FINE TO COARSE GRAINED		0	18	DENSE
GRAVELLY SAND- FINE TO MEDIUM GRAINED		18	48	V. DENSE
SAND- MEDIUM GRAINED		48	58.5	DENSE
CALICHE		58.5	60	HARD
SAND-SILTY- FINE TO COARSE		60	84	DENSE
CALICHE		84	90	HARD

8. WELL CONSTRUCTION

Depth Drilled 90 Feet Depth Cased \_\_\_\_\_ Feet

HOLE DIAMETER (BIT SIZE)

From 11 Inches To 90 Feet

From \_\_\_\_\_ Feet To \_\_\_\_\_ Feet

From \_\_\_\_\_ Inches To \_\_\_\_\_ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4.5	2lbs	Sch 40 .025"	60	1'

Perforations:

Type perforation Mill slot

Size perforation .020"

From 60' feet to 90' feet

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

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

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

Surface Seal:  Yes  No Seal Type:  Neat Cement  Cement Grout  Concrete Grout

Depth of Seal 53'

Placement Method:  Pumped  Poured

Gravel Packed:  Yes  No

From 57 feet to 90 feet

9. WATER LEVEL

Static water level: 1806.45 feet below land surface

Artesian flow \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.

Water temperature \_\_\_\_\_ °F Quality \_\_\_\_\_

Date started 10-7, 1997

Date completed 10-7, 1997

7. WELL TEST DATA

TEST METHOD:  Bailer  Pump  Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Gregg Drilling & Testing, Inc. Contractor

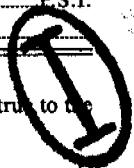
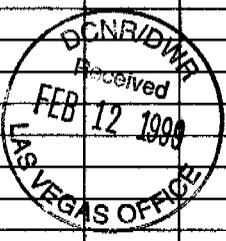
Address 2726 Walnut Avenue Contractor  
Signal Hill, CA 90806

Nevada contractor's license number issued by the State Contractor's Board 0038113

Nevada driller's license number issued by the Division of Water Resources, the on-site driller M2018

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

Date 2-9-99



**WAYNE PERRY, INC.**  
Buena Park, CA

**Log of WELL MW-4**

PROJECT: <i>Shell Oil Company</i>		SURFACE ELEVATION:	
LOCATION: <i>65 W. Lake Mead Dr, Henderson, Nevada.</i>		TOTAL DEPTH: <i>90 ft.</i>	DIAMETER: <i>11 Inches</i>
PROJECT NO.: <i>96.023</i>		DEPTH TO FIRST SATURATION: <i>76 ft.</i>	
DATE BEGAN: <i>10/7/97</i>	FINISHED: <i>10/7/97</i>	WELL CASING ELEVATION: <i>1870.94 ft.</i>	
DRILLING COMPANY: <i>Gregg Drilling &amp; Testing</i>		STATIC WATER LEVEL: <i>1806.45 ft.</i>	DATE: <i>11/6/97</i>
DRILLING METHOD: <i>HSA</i>		LOGGED BY: <i>MSW</i>	

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blows/6"	Geologic Description	PID/LEL (ppm/%)	Soil Class	Graphic Log	DEPTH (feet)	Well Diagram
					Concrete.					
5	X	MW-4@5'	8:00		SAND: fine- to coarse-grained, red brown, moist, dense; trace fine gravel.	25	sp		5	
10	X	MW-4@10'	8:05			8			10	
15	X	MW-4@15'	8:10			19			15	
20	X	MW-4@20'	8:15		Gravelly SAND: fine- to medium-grained, red brown, moist, very dense; fine- to coarse gravel 10-20%.	4	sp		20	
25	X	MW-4@25'	8:20			75			25	
30	X	MW-4@30'	8:30			1500			30	
35	X	MW-4@35'	8:35			285			35	
40	X	MW-4@40'	8:45			36			40	
45	X	MW-4@45'	8:50			20			45	
50	X	MW-4@50'	9:00		SAND: fine- to medium-grained, reddish brown, moist, dense; trace gravel and silt.	20	sp		50	
55	X								55	
					Fine- to coarse grained at 55 ft.					
60	X	MW-4@60'	8:10		Caliche at 58.5 ft. Silty SAND: fine- to coarse-grained, red brown, moist, very dense; trace gravel.	100	sm		60	



Remarks/Notes: 1) Bottom of boring at 90 feet bgs. Groundwater encountered at 35 feet bgs.  
2) Contact dashed where approximate.

1/2 Sand Filter Pack

Concrete  
Concrete Seal  
Bentonite Seal  
4-Inch Diam. PVC Blank  
4-Inch Diam. 0.020 Inch Mill Slot PVC Screen

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**Buena Park, CA**

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PROJECT NO.: *06.023*

LOCATION: *65 W. Lake Mead Dr, Henderson, Nevada.*

DATE BEGAN: *10/7/97*

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DEPTH (feet)	Samples	Sample I.D.	Time	Blows/ft	Geologic Description	PID/LEL (ppm/x)	Soil Class	Graphic Log	DEPTH (feet)	Well Diagram
65	X	MW-4085'	8:25			51	SM	[Graphic Log: Dotted pattern]	65	[Well Diagram: 2 1/2 inch Sand Filter Pack, 4-inch Diam. 0.020 inch Mill Slot PVC Screen, Cap]
70	X	MW-4070'	8:35			250			70	
75	X	MW-4075'	9:45		Very moist at 75 feet.	130			75	
80	X	MW-4080'	9:55		Saturated at 80 ft.	15			80	
85		MW-4085'	10:05		Fine- to coarse-grained at 85 ft; thin interbed of fine- to medium-grained sand with caliche at 84 ft.				85	
90		mw-4090'	10:15		Bottom of Boring.				90	
95								95		
100								100		
105								105		
110								110		
115								115		
120								120		
125								125		
130								130		



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