

Boring Location Sketch:	Project No: 155-0173-01	Date Drilled: 09-08-03 TO 09-08-03	Boring No.
	Client: SHELL OIL PRODUCTS, U.S.		MW-2
	Facility: SERVICE STATION FACILITY		Sheet No.
	Location: 2400 EAST DESERT INN ROAD		1 of 1
	City: LAS VEGAS, NEVADA		
Logged By: D. GEORGE	Driller: EAGLE DRILLING		

Drilling Method: HOLLOW STEM AUGER	Casing installation data:	
	0' to 6.5'	4" DIAMETER SCHEDULE 40 PVC, BLANK
	6.5' to 26.5'	4" DIAMETER SCHEDULE 40 PVC, 0.010" SLOTTED SCREEN

Boring Diameters: 8"	Top of box elevation:	Ground Level Elevation:
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Depth (Feet)	Sample Number	Sample Int.	Time	PID (ppm)	Blow Counts per 6"	Well Detail	Soil Group Symbol	Water Level	
								Time	Date
								0	
5	MW2-5		14:05		9,9,9				
10									
12	MW2-12		14:40	443	30,50/4"				
15									
20									
25									
30									
35									

0'-7' SAND (SW), WITH CLAY AND FINE GRAVEL, DARK YELLOW BROWN (10YR 4/2), WELL GRADED, SLIGHTLY DAMP.

SIMILAR TO ABOVE, ORANGE / BLUE.

7-12' PEA GRAVEL.

7-26.5' CLAY (CL), WITH SAND, LIGHT BROWN (5YR 6/4), HARD, DAMP, HYDROCARBON ODOR.

▽ GROUNDWATER ENCOUNTERED @ 14'

26.5' END OF BORING.



LOS# 94905

94906

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05 JAN 10 PM 1:18

05 JAN 19 PM 5:05

STATE ENGINEERS OFFICE STATE ENGINEERS OFFICE

January 6, 2005

Mr. Robert Martinez, PE
State of Nevada
Division of Water Resources
123 West Nye Lane, Room 246
Carson City, NV 89706-0818

**Re: Well Abandonment Report
Former Texaco-Branded Service Station
2400 East Desert Inn Road, Las Vegas, Nevada 89104
NDEP Facility ID # 8-00068**

Dear Mr. Martinez,

Miller Brooks Environmental, Inc. is pleased to submit this Well Abandonment Report summarizing the abandonment procedures during the removal of three groundwater monitoring wells (MW-1, MW-2, and MW-3) located at the former Texaco-branded service station at 2400 East Desert Inn Road, Las Vegas, Nevada (Figure 1, Attachment A). The wells were abandoned in response to a No Further Action letter submitted by Nevada Division of Environmental Protection on November 4, 2004 and signed by Mr. Bennett Kottler.

The three wells were abandoned on December 1, 2004 in accordance with Nevada Administrative Code (NAC) 534.420 requirements. Eagle Drilling Services of Las Vegas, Nevada was utilized for drilling services using a hollow-stem auger rig. A copy of the Well Drillers Report is provided as Attachment B. The facility is located on Clark County Assessor's Parcel No. 162-131-01-006. The wells are owned by Shell Oil Products U.S. Prior to abandonment activities, the three wells were observed to be in excellent condition. Well construction details are summarized on the soil boring logs provided as Attachment C.

Prior to abandonment activities, static groundwater levels were measured in each of the three monitoring wells. The groundwater level data are as follows:

Well ID	Depth to Groundwater (feet below ground surface)
MW-1	15.60
MW-2	14.14
MW-3	15.10

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JAN 18 2005

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Mr. Robert Martinez, PE
Nevada Division of Water Resources
January 6, 2005
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The three wells were overdrilled using hollow-stem augers, and all well materials were removed from the boreholes. The boreholes were grouted from the bottom up with bentonite grout using a tremie pipe to prevent bridging. The uppermost two feet of each borehole was grouted with cement grout.

If you have any questions or concerns, please do not hesitate to call the undersigned at 602.728.0577.

State of Nevada Jurat: I, Waseem Khan, hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and, to the best of my knowledge, comply with all applicable Federal, State and local statutes, regulations and ordinances.

REPORT PREPARED BY:
Miller Brooks Environmental, Inc.



Krista Dearing, PG, RG
Senior Project Geologist

REPORT REVIEWED BY:
Miller Brooks Environmental, Inc.



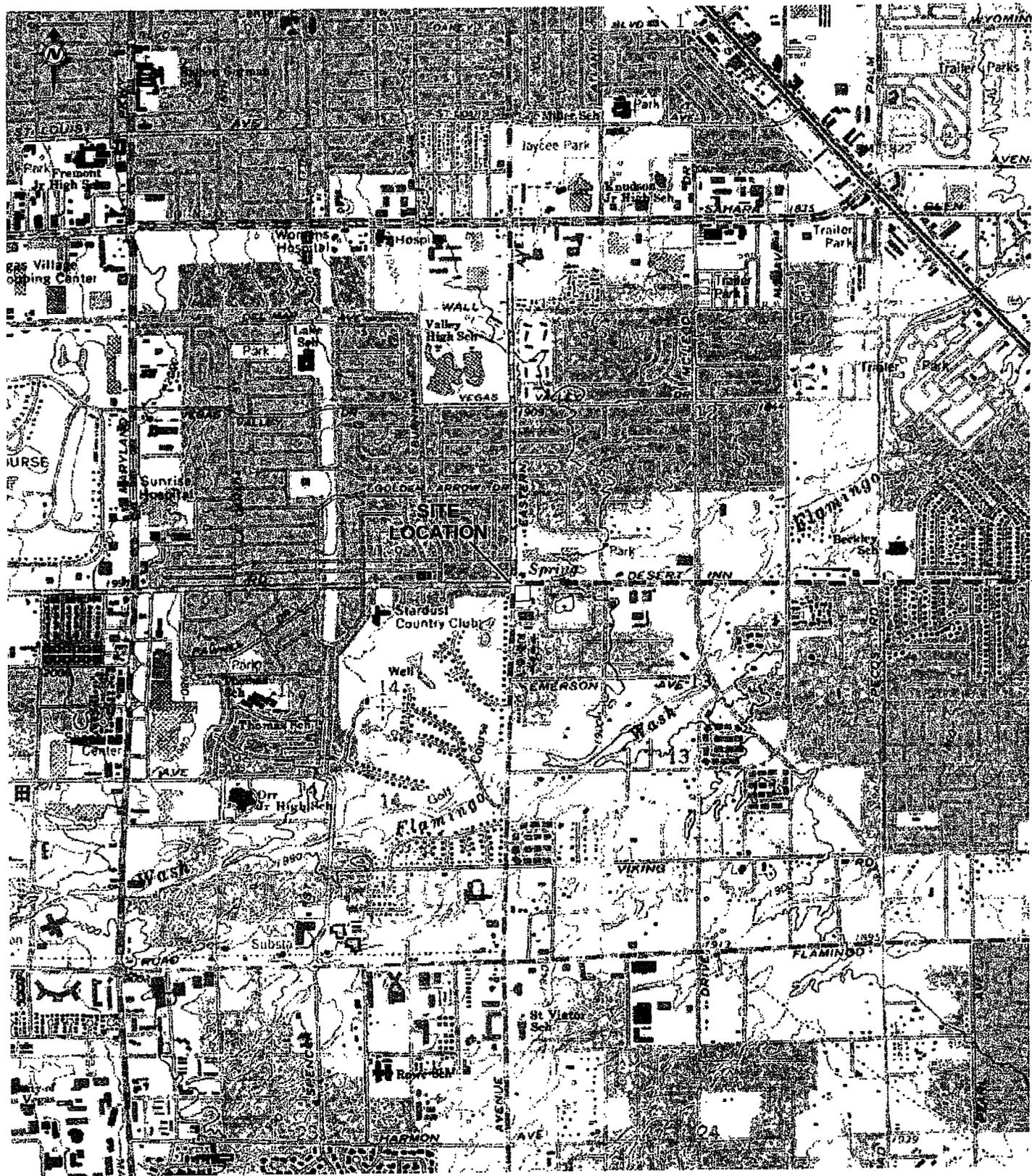
Waseem Khan, CEM, PG, RG
NDEP CEM #1565, expires March 27, 2005
Vice-President, Senior Geologist

Attachs: Attachment A – Figure 1
Attachment B – Well Drillers Report
Attachment C – Soil Boring and Well Construction Detail Logs

cc: Mr. Michael E. Beasley, Shell Oil Products U.S.
Mr. Bennett Kottler, NDEP
Miller Brooks Project File # 03-155-0173-005

ATTACHMENT A

FIGURE 1



0 2000

Approximate Scale:
1 inch = 2000 feet



Source: US Geological Survey 7.5 min topographic map, Las Vegas, Nevada.



SHELL OIL PRODUCTS U.S.
SERVICE STATION FACILITY
2400 EAST DESERT INN ROAD
LAS VEGAS, NEVADA 89121

SITE LOCATION MAP

FIGURE

PROJECT#: 155-0173-01

FILE#: 0173vmap

DATE DRAWN: 12/19/02

DRAWN BY: B. McCLELLAN

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ATTACHMENT B
WELL DRILLERS REPORT

ATTACHMENT C

SOIL BORING AND WELL CONSTRUCTION DETAIL LOGS

