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

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Playa Ø1 Deep

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

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

OFFICE USE ONLY
Log No. 108770
Permit No.
Basin 128 Ø1

NOTICE OF INTENT NO. 64615

1. OWNER U.S. Geological Survey
MAILING ADDRESS 2730 N. Deer Run Rd. Carson City Nv 89701
ADDRESS AT WELL LOCATION HA 128. Dixie Valley Playa — Humboldt Salt Marsh

2. LOCATION NE ¼ NE ¼ Sec. 28 T. 22 N/S R. 35 E. Churchill County
PERMIT NO. M0-1533 A (Issued by Water Resources) | N/A (Parcel No.) | N/A (Subdivision Name)

3. WORK PERFORMED
☑ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Abandon ☐ Other

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

5. WELL TYPE
☐ Cable ☐ Rotary ☐ RVC
☐ Air ☑ Other Auger

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Surface-Dry thin Salt Crust				
Moist brn Clay-Some Silt		0	3.5	3.5
Very Moist brn Clay		3.5	7.5	4
Wet brn Clay		7.5	12.2	4.7
Wet brown/green Clay		12.2	12.5	0.3
Wet brn, green black Clay (organics)		12.5	15.5	3
Wet black Clay-Sulfur Smell		15.5	32	16.5
Wet Sloppy black Clay With little Silt, High Sulfur Smell	X	32	47	15
Brown Clay		47	50	3
	39.749459°N 118.044040°W NAD 27 (TA)			

Date started September 15, 2009
Date completed September 15, 2009

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7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
GPS Local		
39 44 57.7	NAD 83	
118 02 42.0	± 17'	

8. WELL CONSTRUCTION
Depth Drilled 50 Feet Depth Cased 50 Feet

HOLE DIAMETER (BIT SIZE)

		From	To
6.625 Inches		0 Feet	50 Feet
Inches		Feet	Feet
Inches		Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2		0.154	0	50

Schedule 40-Flush Threads

Perforations:
Type perforation Slot
Size perforation 0.010
From 45 feet to 50 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☑ Yes ☐ No
Depth of Seal 0 to 1.5
Placement Method: ☐ Pumped ☑ Poured
Seal Type: ☑ Neat Cement ☐ Cement Grout ☐ Concrete Grout

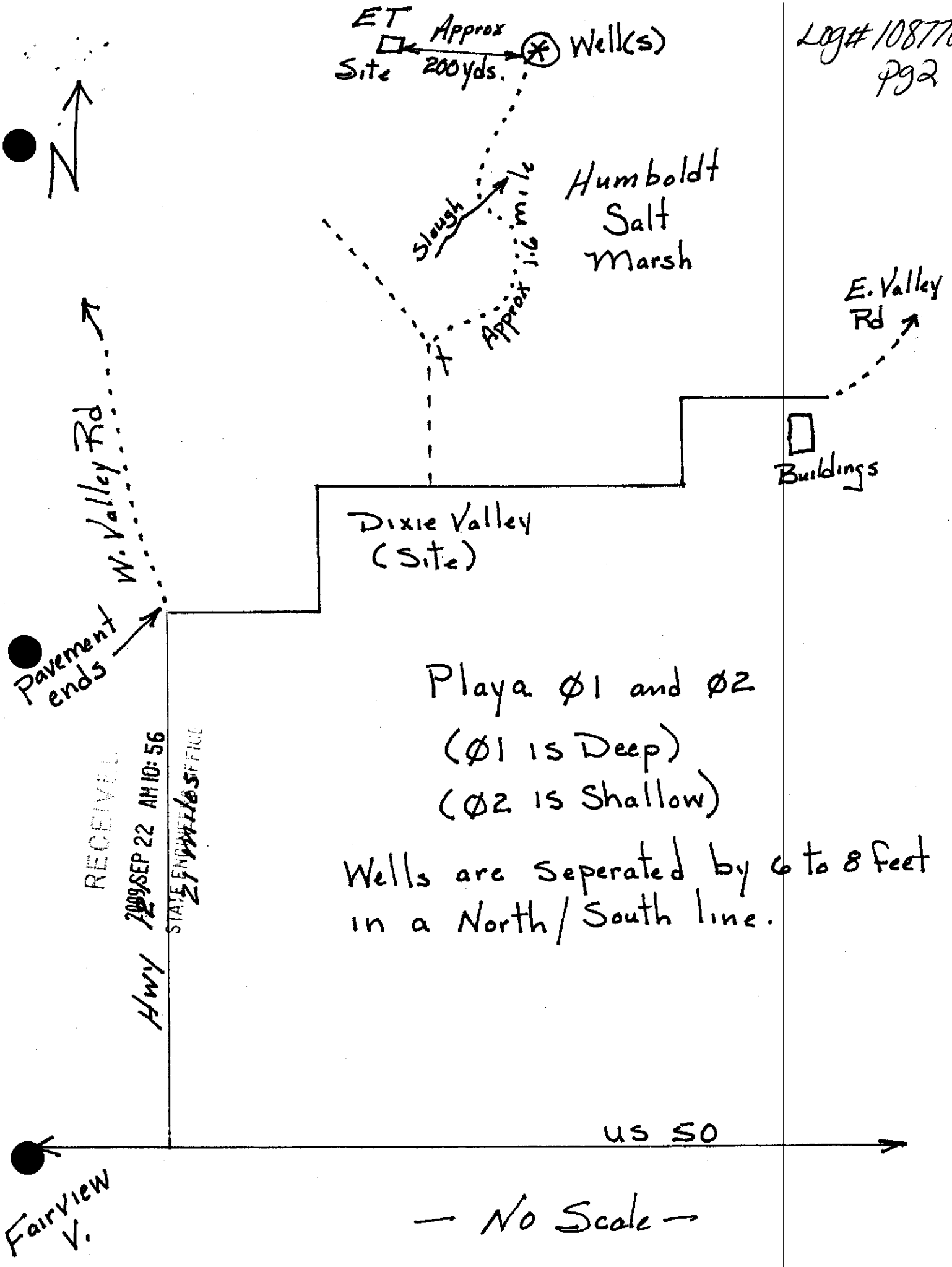
Gravel Packed: ☑ Yes ☐ No
From 27.5 feet to 50 feet

9. WATER LEVEL
Static water level 14.38 feet below land surface
Artesian flow No 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 Robert N. Pennington
Contractor
Address 2730 N. Deer Run Rd.
Contractor
Carson City Nv 89701
Nevada contractor's license number issued by the State Contractor's Board
Nevada driller's license number issued by the Division of Water Resources, the on-site driller FP-1857
Signed R.N. Pennington
By driller performing actual drilling on site or contractor
Date 9-21-09

(Rev. 12-01) USE ADDITIONAL SHEETS IF NECESSARY (O)-627

Log# 108770
pg2



Playa Ø1 and Ø2
(Ø1 is Deep)
(Ø2 is Shallow)

Wells are seperated by 6 to 8 feet in a North/South line.

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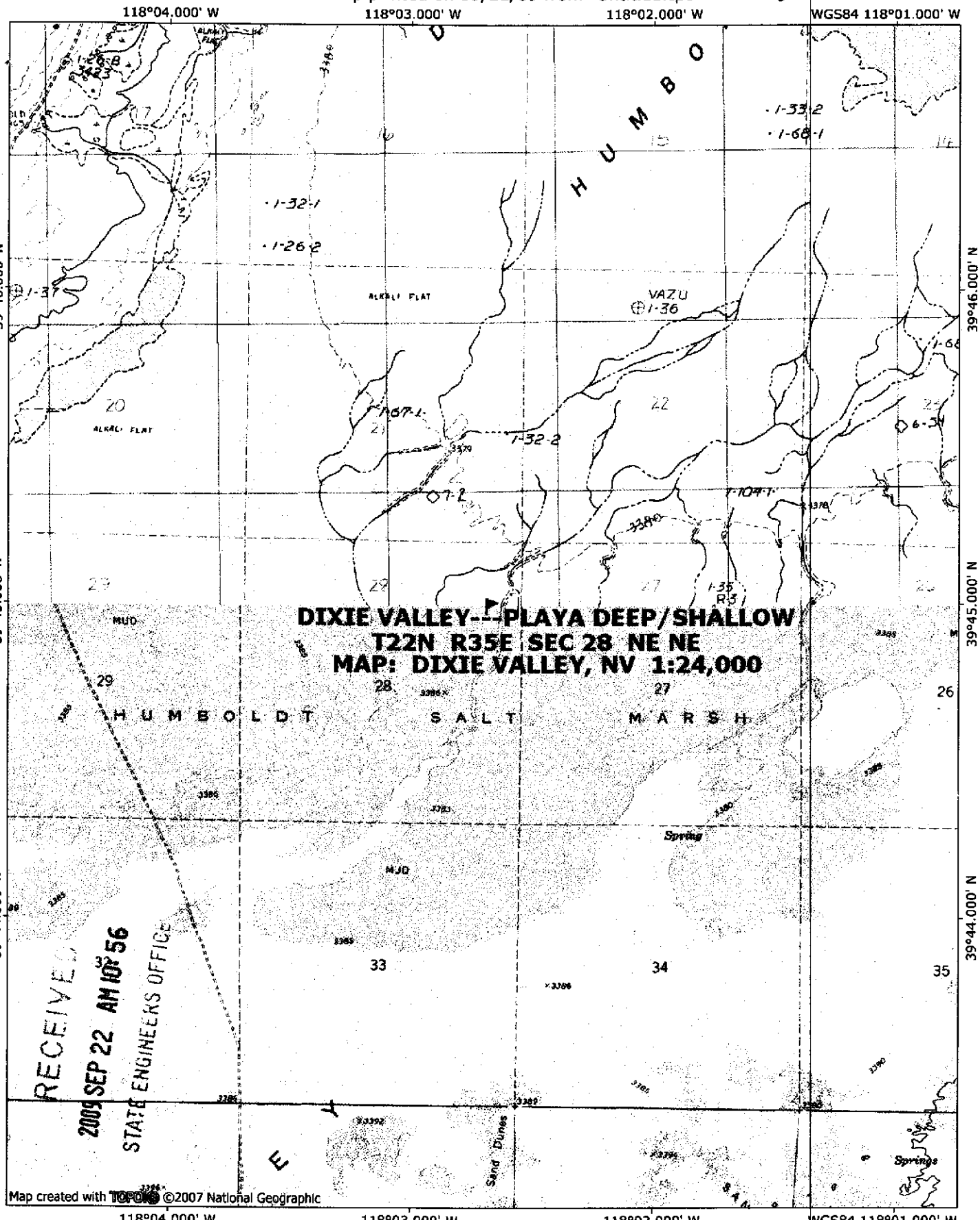
Log# 108770 pg3

TOPO! map printed on 09/21/09 from "Untitled.tpo"



DIXIE VALLEY---PLAYA DEEP/SHALLOW
T22N R35E SEC 28 NE NE
MAP: DIXIE VALLEY, NV 1:24,000

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2009 SEP 22 AM 10:56
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NATIONAL GEOGRAPHIC

MILES 0 5 1
FEET 1000 0 1000 2000 3000 4000 5000
KILOMETERS 1 .5 0 1
METERS 1000 0 1000

TN MN
14°
09/21/09