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

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DO NOT WRITE ON BACK

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. 109573
Permit No.
Basin 128 pg 1 of 3

NOTICE OF INTENT NO. 58426

1. OWNER U.S. Geological Survey
MAILING ADDRESS 2730 N. Deer Run Rd Carson City NV 89701
ADDRESS AT WELL LOCATION U.S. BLM Lands, Dixie Valley, NV. HA 128 T 22 N, R 36 E, Sec. 20 SE NW

2. LOCATION SE ¼ NW ¼ Sec. 20 T. 22 N N/S R. 36 E. Churchill County
PERMIT NO. m10 1533 (Issued by Water Resources) | Parcel No. N/A | Subdivision Name N/A

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 Hand Auger

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Silt - loess & Tan Clay		0	3	3
Clay w/moisture - Some Silt		3	4.7	1.7
Tan Clay lens - light Tan nodules		4.7	6.5	1.8
Tan Clay lens with White Salt Crystals increasing w/depth		6.5	8	1.5
Tan Clay w/White Salt Crystals & Fine Sand		8	11.15	3.15
Thin gray cemented layer embedded as discs in Tan Clay		11.15	13	1.85
Brown Clay w/Silt & Fine Sand		13	15	2
Silty, Sandy Clay (Moist)		15	16	1
Sandy Clay		16	16.5	0.5
Fine gray, gritty Gypsum		16.5	17	0.5
Silty Fine Sand		17	17.5	0.5
Coarse Sand		17.5	18	0.5
Sand - Wet	XXX	18	19	1

Date started 3-11, 2009
Date completed 3-11, 2009

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

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

39.760055 N, 117.959011 W NAD83
GPS Location
39 45 35.9 NAD 83
117 57 35.9
± 16'

8. WELL CONSTRUCTION
Depth Drilled 19 Feet Depth Cased 19 Feet

HOLE DIAMETER (BIT SIZE)

		From	To
4 Inches		0 Feet	19 Feet
Inches		Feet	Feet
Inches		Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
1-inch		0.133	0	19
Sch 40 PVC Flush Threads				

Perforations:
Type perforation Factory Slot
Size perforation 0.020 inch
From feet to feet
From 14 feet to 19 feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☑ Yes ☐ No
Depth of Seal 0 to 5 Feet
Placement Method: ☐ Pumped ☑ Poured 3/8" Bentonite Chips (Hydrated)
Seal Type: ☐ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Gravel Packed: ☑ Yes ☐ No
From 5 feet to 19 feet

9. WATER LEVEL
Static water level 15.81 feet below land surface
Artesian flow No G.P.M. P.S.I.
Water temperature °F Quality TBD

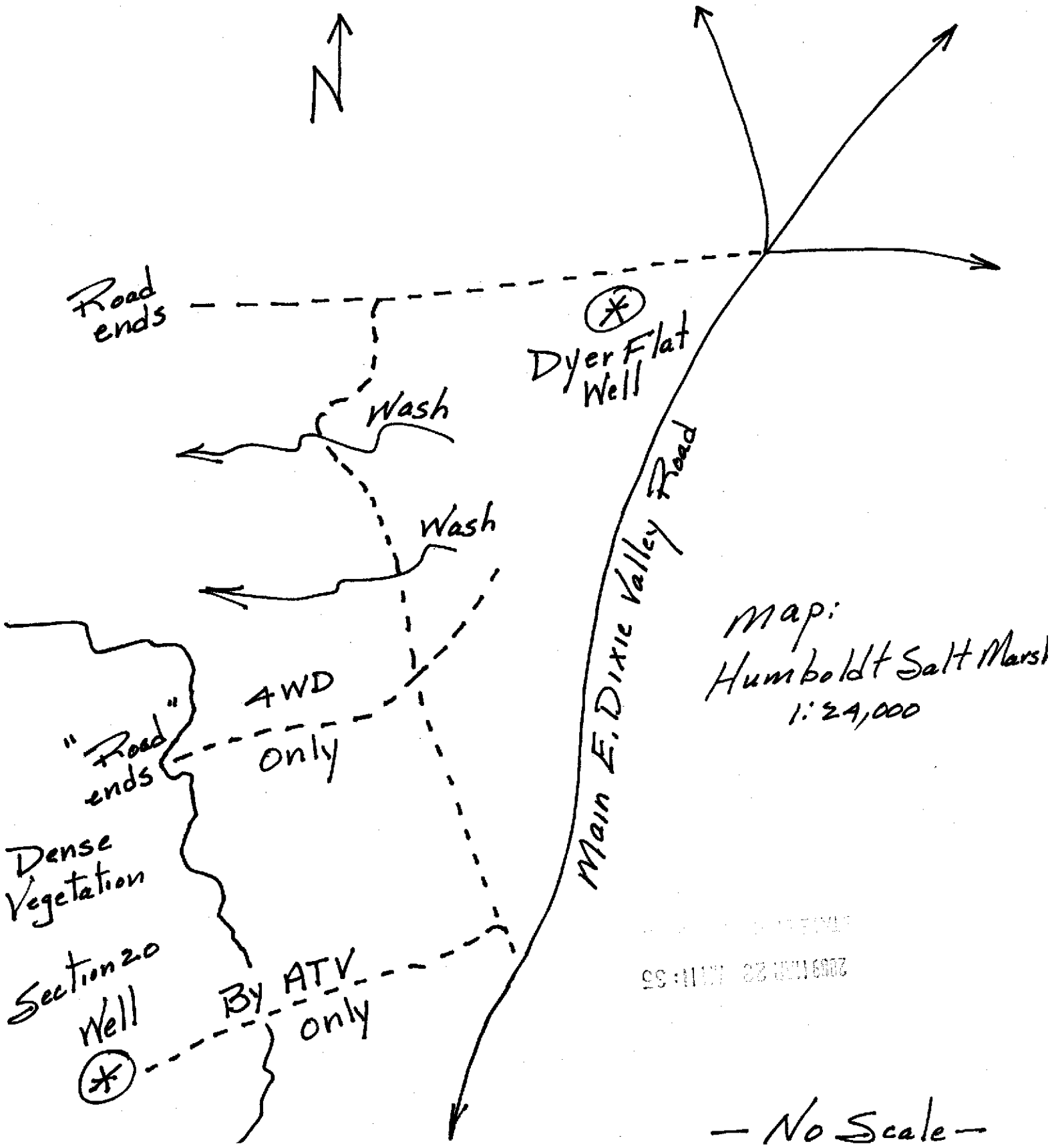
10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Robert N. Pennington - USGS (Contractor)
Address 2730 N. Deer Run Rd (Contractor)
Carson City, NV 89701
Nevada contractor's license number issued by the State Contractor's Board
Nevada driller's license number issued by the Division of Water Resources, the on-site driller EP-1857
Signed R. N. Pennington (By driller performing actual drilling on site or contractor)
Date 3-16-09

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

Log#109573 pg 2of3

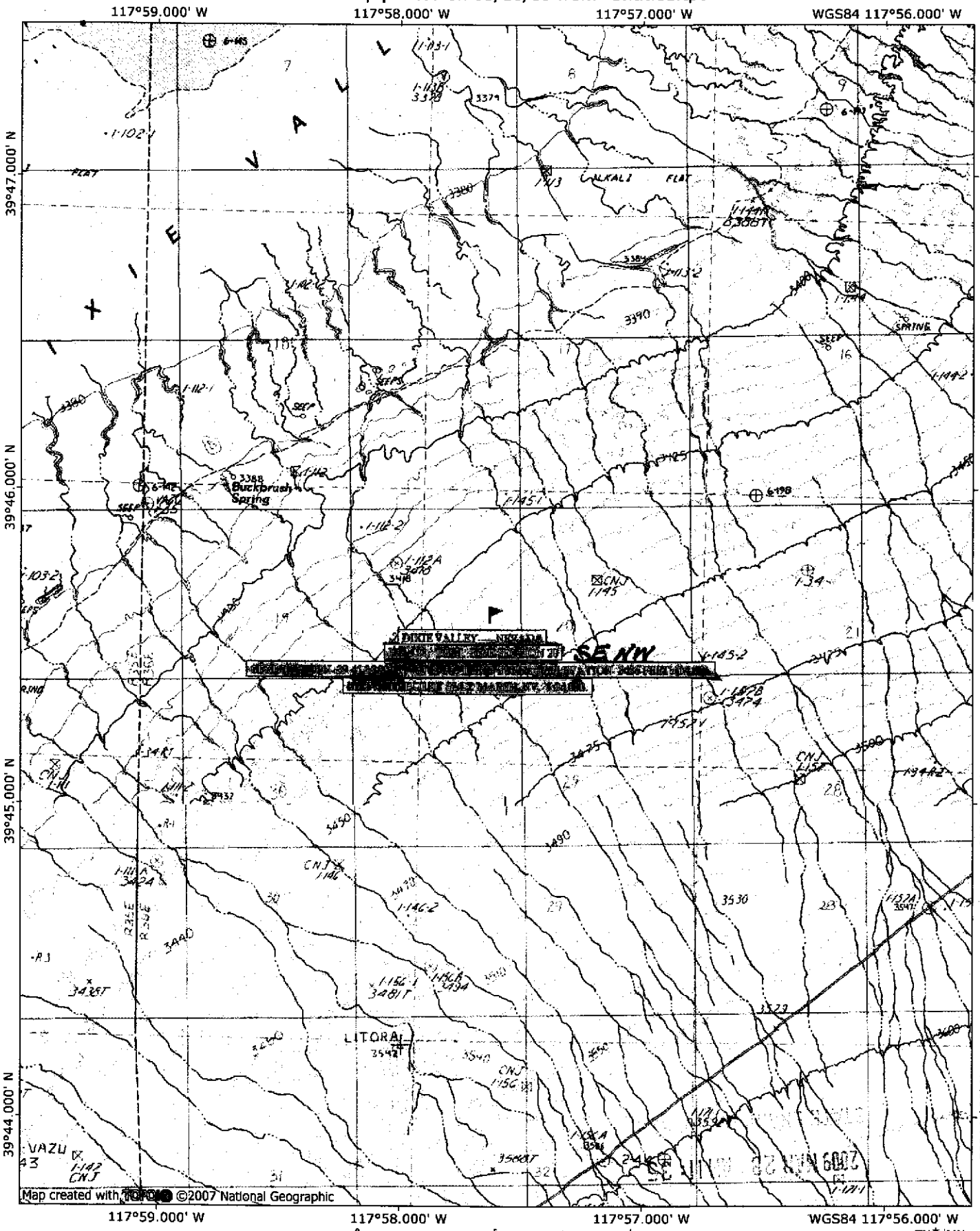
Dixie V. - Nv HA 128 T22N R36E Sec 20 SE NW

39 45 35.9 / 117 57 35.9 NAD83 ± 16 Feet



Log# 109573 pg 3of3

TOPO! map printed on 03/16/09 from "Untitled.tpo"



NATIONAL GEOGRAPHIC

MILES

FEET

KILOMETERS

METERS

TN MN

14°

03/16/09