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

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

AMENDED

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. 98654
Permit No.
Basin 230

NOTICE OF INTENT NO. 23554

1. OWNER NATIONAL PARK SERVICE
MAILING ADDRESS 1201 OAKRIDGE DRIVE, SUITE 250
FORT COLLINS, CO 80525-6266

ADDRESS AT WELL LOCATION GPS COORDINATES
N. 36°, 30 MIN., 13.0 SEC.
W. 116°, 21 MIN., 48.7 SEC.

2. LOCATION SE ¼ NE ¼ Sec. 5 T. 17 N/S R. 50 E NYE County
PERMIT NO. (Issued by Water Resources) Parcel No. 21-301-01 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 (MUD) ☐ RVC
☐ Air ☐ Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
CLAY WITH SAND		0'	20'	20'
MOSTLY CLAY		20'	140'	120'
CLAY, DRILL VIBRATION @ 156'		140'	160'	20'
CLAY WITH SOME GRAVEL @ 230'		160'	230'	70'
CLAY, GRAVEL, SOME FLUID LOSS (MAYBE)		230'	280'	50'
STILL SMALL GRAVEL LAYERS		280'	300'	20'
MOSTLY PURE CLAY		300'	500'	200'
TOTAL DEPTH: 500'				

REMARKS: MOST OF THE FORMATION ENCOUNTERED IN THIS WELL WAS CLAY. THE COLOR RANGED FROM LT. GRAY, LT. TAN + LT. GREEN. WE HAD SOME DRILLING FLUID LOSS WHILE DRILLING FROM 230' TO 280' WHICH MAY INDICATE A MORE TRANSMISSIVE ZONE. WE CHOSE TO STOP DRILLING AT 500'. FROM THE BOTTOM UP WE PUMPED IN A BENTONITE/GROUT SLURRY UP TO ~~300'~~ 310.5'. WE INSTALLED 4" SCH 40 PVC CASING TO DEPTH OF 300' WITH THE BOTTOM 80' SLOTTED. A SAND PACK WAS PLACED FROM 310.5' UP TO 200'. THE HOLE WAS GROUTED WITH BENTONITE/GROUT SLURRY FROM BOTTOM @ 200' UP TO LAND SURFACE. A 10" STEEL STANDPIPE WAS INSTALLED OVER THE 4" PVC CASING AND PRESSED INTO THE HOLE. STANDPIPE HAS A LOCKING LID. A CONCRETE SURFACE PAD WAS PLACED AROUND THE STANDPIPE.

Date started 09/18/05 ~~10~~ 20 05
Date completed 09/20/05 ~~18~~ 20 05

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

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
FROM 4" PVC	60-80		

DCNR/DWR
RECEIVED
JUN 20 2006
LAS VEGAS OFFICE

8. WELL CONSTRUCTION
Depth Drilled 500' Feet Depth Cased 300' Feet

HOLE DIAMETER (BIT SIZE)

Inches	From Feet	To Feet
8 3/4	0'	500'

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4"	PVC	SCH 40	0'	300'

Perforations:
Type perforation SLOTTED PVC CASING
Size perforation .020
From 220' feet to 300' 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 200', 310.5' TO 500'
Placement Method: ☒ Pumped ☐ Poured
Seal Type: ☐ Neat Cement ☒ Cement Grout (BENTONITE) ☐ Concrete Grout

Gravel Packed: ☒ Yes ☐ No
From 200' feet to 310.5' feet

9. WATER LEVEL
Static water level 46.68 feet below land surface
Artesian flow NONE G.P.M. — P.S.I.
Water temperature — °F Quality GOOD

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name JON W. WILSON
Address 160 N. STEPHANIE ST.
HENDERSON, NV 89074
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 SP-2225
Signed (By driller performing actual drilling on site or contractor)
Date 9-22-05

(Rev. 3-91) USE ADDITIONAL SHEETS IF NECESSARY (O)-627