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

AMENDED

PRINT OR TYPE ONLY
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. 98655
Permit No.
Basin 230

NOTICE OF INTENT NO. 23553

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°, 26 MIN., 48.9 SEC.
W. 116°, 22 MIN., 57.6 SEC.

2. LOCATION SW ¼ NE ¼ Sec. 30 T. 17 N (S) R. 50 E. NYE County

PERMIT NO. ____ Issued by Water Resources | 21-311-01 Parcel No. | 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
SANDY GRAVEL		0'	15'	15'
SANDSTONE LIKE GRAVELS		15'	38'	23'
BENTONITE LIKE CLAY		38'	80'	42'
WHITE SPRING DEPOSIT MATERIAL		80'	90'	10'
CHANGING TO PURE CLAY		90'	94'	4'
PURE CLAY (LIGHT GRAY)		94'	300'	206'
MOSTLY CLAY WITH LITTLE SAND		300'	310'	10'
PURE CLAY, QUITE DENSE		310'	315'	5'
TOTAL DEPTH: 315'				

REMARKS: WITH THE EXCEPTION OF SOME DRY CHUNKY SANDSTONE LIKE GRAVELS AT AND NEAR LAND SURFACE AND THE VERY WHITE BURIED SPRING DEPOSIT FROM 80' TO 90', THE LITHOLOGY OF THIS WELL WAS MOSTLY CLAY. WE COULD TELL WHERE THE WATER BEARING ZONES ARE WHILE DRILLING WITH BENTONITE MUD AND NO DRILL FLUID LOSS WAS OBSERVED DURING DRILLING OPERATIONS. AFTER WE STOPPED DRILLING AT 315' WE PLACED SAND PACK UP TO 310' AND INSTALLED THE 4" PVC CASING TO DEPTH OF 310' WITH THE BOTTOM 60' SLOTTED. SAND PACK WAS PLACED AROUND SLOTTED CASING UP TO DEPTH OF 231'. A BENTONITE/GROUT SLURRY WAS PUMPED IN FROM BOTTOM UP TO LAND SURFACE. A LOCKING 9" STEEL STANDPIPE WAS INSTALLED OVER THE 4" PVC CASING.

Date started 09/28/05 ~~19~~ 20 05
Date completed 09/29/05 ~~19~~ 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	20-30	—	1 HR.

DCNR/DWR
RECEIVED
JUN 20 2006

8. WELL CONSTRUCTION
Depth Drilled 315' Feet Depth Cased 310' Feet

HOLE DIAMETER (BIT SIZE)

	From	To
8 3/4 Inches	0' Feet	315' Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4"	PVC	SCH 40	0'	310'

Perforations:
Type perforation SLOTTED PVC CASING
Size perforation .020
From .250' feet to 310' feet
From ____ feet to ____ feet
From ____ feet to ____ feet
From ____ feet to ____ feet
From ____ feet to ____ feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal 231'
Placement Method: ☒ Pumped BENTONITE → ☐ Poured
Seal Type: ☐ Neat Cement ☒ Cement Grout ☐ Concrete Grout

Gravel Packed: ☒ Yes ☐ No
From 231' feet to 315' feet

9. WATER LEVEL
Static water level 50.22' 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
Contractor
Address 160 N. STEPHANIE ST.
Contractor
HENDERSON, NV 88074

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.2225

Signed [signature]
By driller performing actual drilling on site or contractor
Date 10-1-05

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

LAS VEGAS OFFICE