

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. **84502**
 Permit No. _____
 Basin **213**

PRINT OR TYPE ONLY
 DO NOT WRITE ON BACK

NOTICE OF INTENT NO. **22177**
MCHAVE GENERATING

1. OWNER **SOUTHERN CALIFORNIA EDISON** ADDRESS AT WELL LOCATION **MCHAVE GENERATING STATION 635 BRUCE WOODBURY DR. LAUGHLIN, NV 89025**
 MAILING ADDRESS **P.O BOX 700 ROSSFORD, CA 91770**
 2. LOCATION **SW 1/4 SE 1/4 Sec. 22 T. 32 N. 36 E. CLARK** County
 PERMIT NO. **45A** Issued by Water Resources Parcel No. Subdivision Name **MCHAVE GENERATING STATION**

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other **Verification**
 4. PROPOSED USE
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock
 5. WELL TYPE
 Cable Rotary RVC
 Air Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
#45A Well Certification				
Casing string up sound tube			20'	5'
No ballard protection				
Well measured depth 216'				

8. WELL CONSTRUCTION
 Depth Drilled **260'** Feet Depth Cased **260'** Feet
 HOLE DIAMETER (BIT SIZE)
 From To
15 Inches Feet Feet
 Inches Feet Feet
 Inches Feet Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
8" steel			0	10'
8" pvc sch40 bland			10'	160'
8" pvc screen			160'	220'

Perforations:
 Type perforation **Machine**
 Size perforation **040**
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Surface Seal: Yes No Seal Type:
 Depth of Seal **30'** Neat Cement
 Placement Method: Pumped Cement Grout
 Poured Concrete Grout
 Gravel Packed: Yes No
 From **50'** feet to **140'** feet

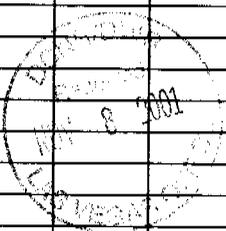
9. WATER LEVEL
 Static water level **183.60** feet below land surface
 Artesian flow _____ G.P.M. P.S.I.
 Water temperature _____ °F Quality _____

Date started **October 18, 2001**, 19____
 Date completed **October 18, 2001**, 19____

7. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift			

10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 Name **ALLEN DRILLING INC** Contractor
 Address **4847 S. VALLEY VIEW LAS VEGAS, NV 89103** Contractor
 Nevada contractor's license number issued by the State Contractor's Board **18917**
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller **1301**
 Signed **Frederic S. Allen**
 By driller performing actual drilling on site or contractor
 Date **11/1/01**



WELL NUMBER: 46A USA

WELL CONSTRUCTION SUMMARY

DATE COMPLETED: 10/27/87 DEPTH DRILLED: 260 FEET DIAMETER DRILLED: 15 INCHES
CONTRACTOR: STEWART BROTHERS METHOD: MUD ROTARY GEOPHYSICAL LOG: YES LITHOLOGIC LOG: YES

Casing

Interval: 0 - 10 FEET Diameter: 8 INCHES Material: STEEL

Interval: 10 - 160 FEET Diameter: 8 INCHES Material: SCH 40 PVC

Screen

Interval: 160 - 220 FEET Diameter: 8 INCHES Material: SCH 40 PVC

Slot Size: 0.04 INCH

Gravel Pack

Interval: 50 - 140 FEET Material: PEA GRAVEL

Interval: 140 - 260 FEET Material: 8-16 MONTEREY SAND

Sanitary Seal

Interval: 0 - 50 FEET Material: CEMENT

Sounding Pipe: 2 INCH IN GRAVEL PACK; SAME SCREEN AS WELL

WELL TESTING

Test Date: 02/19/92 Duration: 24 HOURS Discharge: 48.0 GPM
Static Water Level: 183.0 FEET Drawdown: 17.0 FEET Specific capacity: 2.8 GPM/FT

PUMP INSTALLATION

Date Installed: 03/15/92 Model: 60 S 75-13 Meter #: 92-3-196
Manufacturer: GRUNDFOS Amps: 13.0 Phase: 3
Horsepower: 7.50 Volts: 460.0
Riser Pipe Length: 199 FEET Diameter: 2 INCHES Material: galvanized
Intake Depth: 205 FEET Pumping Level: FEET Discharge: GPM

REFERENCE ELEVATIONS

Ground Elevation: FEET
Sounding Port Elevation: 679.17 FEET

WELL MAINTAINENCE

Redevelopment: 3/15/92

Equipment:

