

WELL DRILLER'S REPORT

Please complete this form in its entirety

NOTICE OF INTENT NO. 12289

PRINT OR TYPE ONLY

1. OWNER U.S. ARMY CORPS OF ENGINEERS ADDRESS AT WELL LOCATION WELLS AFB
 MAILING ADDRESS 1624 DOWLING ST. - ROOM 602 OW-1
OMAHA, NE 68102

2. LOCATION NE 1/4 NE 1/4 Sec 4 T 20 N R 62 E CLARK County

PERMIT NO. Issued by Water Resources Parcel No. Subdivision Name

3. TYPE OF WORK
 New Well Recondition
 Deepen Other
 4. PROPOSED USE
 Domestic Irrigation Test
 Municipal Industrial Stock
 5. TYPE WELL
 Cable Rotary
 Other AUGER

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
<u>Sampled at 7.5 ft and 10 ft. intervals thereafter to supplement log at MW-28C (Notice of intent: 12288)</u>				
<u>SILTY SAND, pale yellow brown, dense, very fine sand, some caliche nodules</u>		<u>7.5</u>	<u>8.5</u>	
<u>SILTY SAND, med. yellow brown, gypsum lenses, damp, dense</u>		<u>17.5</u>	<u>18.5</u>	
<u>GRAVELLY SILT, grayish orange, some med to coarse gravel caliche nodules</u>		<u>27.5</u>	<u>28.5</u>	
<u>CALICHE, hard, dense</u>		<u>37</u>	<u>40</u>	
		<u>43</u>	<u>45</u>	
<u>SILTY SAND, grayish orange, very fine grained, trace caliche nodules</u>		<u>47.5</u>	<u>48.5</u>	
<u>SILTY CLAY, med yellowish brown, very stiff, abundant tubules</u>		<u>57.5</u>	<u>58.5</u>	

8. WELL CONSTRUCTION
 Diameter 8 inches Total depth 128 feet
 Casing record SCHEDULE 40 - PVC
 Weight per foot 0.69 Thickness 0.154

Diameter	From	To
<u>2</u> inches	<u>0</u> feet	<u>126</u> feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet

 Surface seal: Yes No Type Cement Grout
 Depth of seal 38.1 feet
 Gravel packed: Yes No
 Gravel packed from 104 feet to 128 feet
 Perforations:
 Type perforation FACTORY SLOTTED
 Size perforation 0.020 - inch
 From 106 feet to 126 feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Date started APRIL 21, 1990
 Date completed APRIL 22, 1990

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
<u>8</u>	<u>STAT</u>		

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9. WATER LEVEL
 Static water level 79 feet below land surface
 Flow _____ G.P.M. _____ P.S.I.
 Water temperature 72 °F Quality Moderate (1000 umhos/cm)

10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 Name H-F Drilling, Inc.
 Address 1456B S. Manhattan Ave Fullerton, CA 92631
 Nevada contractor's license number issued by the State Contractor's Board N/A
 Nevada contractor's driller's number issued by the Division of Water Resources 1614
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1614
 Signed Kenneth R. Law
 By driller performing actual drilling on site or contractor
 Date 5-25-90

BAILER TEST
 Div. of Water Resources
 Branch Office - Las Vegas, NV
 G.P.M. _____ Draw down _____ feet _____ hours
 G.P.M. _____ Draw down _____ feet _____ hours
 G.P.M. _____ Draw down _____ feet _____ hours

OFFICE USE ONLY
 Log No. 34085
 Permit No. _____
 Date _____

WELL DRILLER'S REPORT

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NOTICE OF INTENT NO. 12289

1. OWNER U.S. ARMY CORPS OF ENGINEERS
 MAILING ADDRESS 1624 DOUGLAS ST. - ROOM 608
OMAHA, NE 68102

ADDRESS AT WELL LOCATION NELLIS AFB
OW-1
PAGE 2
 County CLARK

2. LOCATION NE 1/4 NE 1/4 Sec 4 T 20 N R 62 E
 PERMIT NO. _____
 Issued by Water Resources _____ Parcel No. _____ Subdivision Name _____

3. TYPE OF WORK
 New Well Recondition
 Deepen Other
 4. PROPOSED USE
 Domestic Irrigation Test
 Municipal Industrial Stock
 5. TYPE WELL
 Cable Rotary
 Other AUGER

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
<u>CALICHE/SILT, grayish orange, dry to damp, irregular cement, ruggy</u>		<u>67.5</u>	<u>68.5</u>	<u>77.5</u>
<u>CLAYEY SILT, med. yellow brown, very dense, some very coarse caliche nodules, saturated along horit. fractures</u>	<input checked="" type="checkbox"/>	<u>87.5</u>	<u>88.5</u>	
<u>CALICHE, grayish orange, hackly fracture, moist</u>		<u>97</u>	<u>98.5</u>	
<u>SILTY SAND, med. yellow brown, med. grain, moist</u>		<u>98.5</u>	<u>99</u>	
<u>CLAY, grayish orange, very stiff, moist</u>		<u>99</u>	<u>100</u>	
<u>CLAYEY SILT/CALICHE, saturated along fractures</u>	<input checked="" type="checkbox"/>	<u>100</u>	<u>109</u>	<u>109.5</u>
<u>GRAVELLY SILT, grayish orange, clayey, sand to fine gravel caliche nodules damp, moist</u>		<u>107.5</u>	<u>108.5</u>	
<u>SANDY SILT, damp, irregular cement</u>		<u>117.5</u>	<u>118.5</u>	

8. WELL CONSTRUCTION
 Diameter _____ inches Total depth _____ feet
 _____ inches
 _____ inches SEE PAGE 1
 Casing record _____
 Weight per foot _____ Thickness _____
 Diameter From To
 _____ inches _____ feet _____ feet
 Surface seal: Yes No Type _____
 Depth of seal _____ feet
 Gravel packed: Yes No
 Gravel packed from _____ feet to _____ feet
 Perforations: SEE PAGE 1
 Type perforation _____
 Size perforation _____
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet

9. WATER LEVEL SEE PAGE 1
 Static water level _____ feet below land surface
 Flow _____ 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 H-F Drilling, Inc.
 Address 1456B S. Manhattan Ave
Fullerton, CA 92631
 Nevada contractor's license number issued by the State Contractor's Board N/A
 Nevada contractor's driller's number issued by the Division of Water Resources 1514
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1514
 Signed Kenneth R. Law
 By driller performing actual drilling on site or contractor
 Date 5-25-90

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
<u>3</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

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BAILER TEST Div. of Water Resources
 G.P.M. _____ Draw down _____ Branch Office: Las Vegas, NV _____ hours
 G.P.M. _____ Draw down _____ feet _____ hours
 G.P.M. _____ Draw down _____ feet _____ hours