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WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

Page 1 of 2

NOTICE OF INTENT NO. 33924

Consultant:  
 1. OWNER CDM Engineers & Constructors Inc.  
 MAILING ADDRESS 50 West Liberty St., Suite 770  
Reno, NV 89501  
 2. LOCATION NE 1/4 NW 1/4 Sec. 13 T 22N  
 PERMIT NO. M/O 564-B MW-DEX3 077-120-19  
Issued by Water Resources Parcel No. Subdivision Name

Client:  
 ADDRESS AT WELL LOCATION: Rocketdyne Former Nevada Field Laboratory  
Whiskey Springs Rd., Area D  
N/S R. 22E E Washoe County  
Palomino Valley

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 Tubex

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
MOIST, medium dense, red brown, c m f				
SAND, some m f gravel, little silt.		0	10	10
MEDIUM dense, color change to brown red and dry below 10'		10	15	5
MEDIUM dense, color change to red brown and moist below 15'		15	19	4
MOIST, medium dense, red brown, m f GRAVEL, some c m f sand and clay.		19	23	4
MEDIUM dense, wet below 20', water injected below 23'		23	25	2
MEDIUM dense, color change to dark red brown below 25'		25	30	5
MEDIUM dense, wet below 30'		30	32	2
WET, medium dense, red brown, c m f SAND and m f GRAVEL, little silt.		32	40	8
MEDIUM dense.		40	44	4
WET, medium dense, red brown, m f GRAVEL,				

8. WELL CONSTRUCTION  
 Depth Drilled 79.30 Feet Depth Cased 78.80 Feet  
 HOLE DIAMETER (BIT SIZE)  
 From 10" Inches 0 Feet 79.30 Feet  
 To \_\_\_\_\_ Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet  
 \_\_\_\_\_ Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6-5/8"		.250	-1.5	8.70
Welded end cap				
Well Vault				

Stainless Steel Wire Wrapped  
 Perforations:  
 Type perforation factory sawed slot  
 Size perforation .020  
 From 8.70 feet to 78.80 feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Surface Seal:  Yes  No Seal Type:  
 Depth of Seal 3-5.10'  Neat Cement  
 Placement Method:  Pumped  Cement Grout  
 Poured  Concrete Grout  
 Bentonite Seal: 5.10-6.70'  
 Gravel Packed:  Yes  No  
#30 Filter Sand 6.70-7.80' / #3 Lonestar Sand

9. WATER LEVEL 7.8-79.30  
 Static water level: 14.5 feet below land surface  
 Artesian flow: \_\_\_\_\_ G.P.M. not known P.S.I.  
 Water temperature: N/K °F Quality: not known

10. DRILLER'S CERTIFICATION  
 This well was drilled under my supervision and the report is true to the best of my knowledge.

Name WAYNE DRILLING, INC. Contractor  
 Address P.O. Box 12370 Contractor  
Reno, Nevada 89510  
 Nevada contractor's license number issued by the State Contractor's Board: 0022549  
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller: 908  
 Signed [Signature]  
 Date June 4, 1997

Continued on page 2 2-26-97  
 Date started \_\_\_\_\_, 19\_\_\_\_  
 Date completed 2-27-97, 19\_\_\_\_

7. WELL TEST DATA

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

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Consultant: OWNER CDM Engineers & Constructors Inc. Client: ADDRESS AT WELL LOCATION Rocketdyne Former Nevada Field Laboratory  
 MAILING ADDRESS 50 West Liberty St. Suite 770 Reno, Nevada 89501 Whiskey Springs Rd. Area D  
 LOCATION NE 1/4 NW 1/4 Sec. 13 T 22N N/S R 22E E Washoe County  
 PERMIT NO. M/O 564-B MW-DEX3 077-120-19 Palomino Valley  
 Issued by Water Resources 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  PVC  
 Air  Other Tubex

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Continued from page 1 and c m f SAND, little silt.		44	60	16
WET, medium dense, red brown, m f GRAVEL and c m f SAND, trace silt.		60	65	5
as above, dense, dense below 65', drilling rate slow.		65	74	9
WET, soft, light gray brown, CLAY and m f GRAVEL, low plasticity.		74	76	2
WET, medium dense, green, WELDED TUFF, hard, slightly weathered, contains fresh mica and weathered plagioclase phenocrysts.		76	79.30	3.30

8. WELL CONSTRUCTION

Depth Drilled \_\_\_\_\_ Feet Depth Cased \_\_\_\_\_ Feet

HOLE DIAMETER (BIT SIZE)

From \_\_\_\_\_ To \_\_\_\_\_

\_\_\_\_\_ 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)

Perforations:  
 Type perforation \_\_\_\_\_  
 Size perforation \_\_\_\_\_  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Surface Seal:  Yes  No Seal Type:  
 Neat Cement  
 Cement Grout  
 Concrete Grout

Depth of Seal \_\_\_\_\_  
 Placement Method:  Pumped  Poured

Gravel Packed:  Yes  No  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Date started 2-26-97, 19\_\_\_\_  
 Date completed 2-27-97, 19\_\_\_\_

7. WELL TEST DATA

TEST METHOD:  Bailer  Pump  Air Lift

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

9. WATER LEVEL

Static water level \_\_\_\_\_ feet below land surface  
 Artesian 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 WAYNE DRILLING, INC. Contractor  
 Address P.O. Box 12370 Contractor  
Reno, Nevada 89510

Nevada contractor's license number issued by the State Contractor's Board 0022549  
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 908

Signed [Signature] By driller performing actual drilling on site or contractor  
 Date June 4, 1997