

Log No. _____
 Permit No. _____
 Basin _____

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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 pages
 NOTICE OF INTENT NO. 32571

1. Consultant: CDM Engineers & Constructors Inc. Client: Santa Fe Pipeline
 MAILING ADDRESS 50 W. Liberty, Suite 770 Vista Canyon Group Sparks Solvent/Fuel Site
Reno, Nevada 89501 Sparks, Nevada
 2. LOCATION NW 1/4 NW 1/4 Sec 10 T 19N N/S R 20 E Washoe County
 PERMIT NO. M/O 913 -B P-2 37-030-09 Sparks Solvent/Fuel Site
 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 RVC
 Air Other TUBEX

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Dry, loose, lt. gray, silt, some sand, little gravel, trace cobbles, color change to lt. brown below 7ft.		0	8	8
Dry, loose, lt. gray brown, c vf sand, some silt, little gravel.		8	10	2
Loose, lt. gray, c f sand and gravel, and some cobbles.		10	17	7
Loose, lt. gray, gravel and c f sand, some cobbles, trace silt.		17	20.	3
Loose, brown gray, gravel and c f sand, some cobbles, trace silt, med. dense below 30ft.		20	40	20
As above, med. dense, contains trace of clay and moist below 4ft.		40	43	3
As above med. dense		43	45	2
As above med. dense, color change to dark red brown below 45ft. cobbles composed of decomposing granodiorite.		45	56.5	11.5
Trace of mica below 51ft.				
Moist, med. dense, red brown, c f sand		56.5	57.	1.5
Moist, med. dense, lt. gray, c f sand, trace mica		57	63.5	6.5
abundant iron staining.				

(continued)
 Date started 9-26-95, 19____
 Date completed 9-30-95, 19____

8. WELL CONSTRUCTION
 Depth Drilled 79.6 Feet Depth Cased 79.6 Feet
 HOLE DIAMETER (BIT SIZE)
 From To
11 1/2 Inches 0 Feet 79.6 Feet
 _____ Inches _____ Feet _____ Feet
 _____ Inches _____ Feet _____ Feet
 CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6"	w/cap	SCH 80 PVC	0	53.8
6"		SS Sump w/cap	73.7	79.6
SS Centralizers 53.8, 63.8, 73.7				

 Perforations:
 Type perforation Factory sawed slot
 Size perforation 100 slot SS wire wrapped
 From 53.8 feet to 73.7 feet
 From _____ feet to _____ feet
 Surface Seal: Yes No Seal Type:
 Depth of Seal 3 - 47.8 Neat Cement
 Placement Method: Pumped Cement Grout
 Poured Concrete Grout
 Bentonite Seal: 47.8 - 49.8
 Gravel Packed: Yes No 1/2 - 1/8" Well S
 From 49.8 - 51.8 #20 feet to 51.8 - 79.1 feet

7. WELL TEST DATA

TEST METHOD:	Bailer	Pump	Air Lift
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	
no test			

9. WATER LEVEL
 Static water level not known feet below land surface
 Artesian flow G.P.M. N/A P.S.I.
 Water temperature N/A °F Quality N/A

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 22549
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 908
 Signed [Signature]
 By drilled performing actual drilling on site or contractor
 Date February 14, 1996

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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

Log No. _____
 Permit No. _____
 Basin _____

Consultant:

1. OWNER: CDM Engineers & Constructors Inc
 MAILING ADDRESS: 50 W. Liberty, Suite 770
 Reno, Nevada 89501

Client: NOTICE OF INTENT NO. 32571
 ADDRESS AT WELL LOCATION: Santa Fe Pipeline
 Vista Canyon Group Sparks Solvent/Fuel Site
 Sparks, Nevada

2. LOCATION: NW 1/4 NW 1/4 Sec 10 T 19N N/S R. 20 E Washoe County
 PERMIT NO. M/Q 913-B P-1 37-030-09
Issued by Water Resources Parcel No. Subdivision Name
 Sparks Solvent/Fuel Site

3. WORK PERFORMED: New Well Replace Recondition Deepen Abandon Other _____
 4. PROPOSED USE: Domestic Municipal/Industrial Irrigation Monitor Test Stock

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Dry, loose, brown, silt, some of sand, little cobbles and of gravel		0	10	10
Dry, loose, brown, c m f sand, little c f gravel and silt, trace cobbles, Geotechnical sample collected from 10.5 to 13.5 ft.		10	15	5
Brown, sand and gravel		15	25	10
Brown sand and gravel		25	35	10
Brown sand and gravel		35	40	5
Moist, med. dense, brown, c f gravel and c m f sand trace silt and cobbles.		40	50.3	10.3
Very moist, med. dense, brown c m f sand, some c f gravel, trace silt.		50.3	55.3	5
Very moist, med. dense, brown, c m f sand and c f gravel trace silt.		55.3	58.4	3.1
Wet, loose, brown, c m f sand and gravel, trace silt.		58.4	63.5	5.1
Wet, med. dense, brown, cmf sand and of gravel, trace silt.		63.5	65.5	2
Wet, med. dense, brown, sand some cf gravel, trace silt.		65.5	75	9.5

8. WELL CONSTRUCTION
 Depth Drilled: 75 Feet Depth Cased: 72 Feet
 HOLE DIAMETER (BIT SIZE)
 From 1.125 Inches To 0 Feet 75 Feet
 _____ Inches _____ Feet _____ Feet
 _____ Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6"	w/cap	SCH 80 PVC	0	47
6"		SS Sump w/cap	67	72
SS Centralizers 47, 57, 67				

Perforations:
 Type perforation: Factory sawed slot
 Size perforation: 100 slot SS wire wrapped
 From 47 feet to 67 feet
 From _____ feet to _____ feet

Surface Seal: Yes No Seal Type: Neat Cement Cement Grout Concrete Grout
 Depth of Seal: 3 - 40.9
 Placement Method: Pumped Poured
 Bentonite Seal: 40.9 - 42.8
 Gravel Packed: Yes No 1/2-1/8" Well Sand Filter 42.8 - 44.9 #20 feet to 44.9 - 72 feet

9. WATER LEVEL
 Static water level: not known feet below land surface
 Artesian flow: _____ G.P.M. N/A P.S.I.
 Water temperature: N/A °F Quality: N/A

Date started: 10-11-95
 Date completed: 10-13-95

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			
no test			

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: 22549
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller: 908
 Signed: *Wayne Drilling, Inc.*
 Date: February 13, 1996

STATE OF NEVADA
 DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

OFFICE USE ONLY

Log No. _____
 Permit No. _____
 Basin. _____

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Page 1 of 2 pages
 NOTICE OF INTENT NO. 3257.1

Consultant: CDM Engineers & Constructors Inc. Client: _____
 1. -OWNER 50 W. Liberty, Suite 770 ADDRESS AT WELL LOCATION Santa Fe Pipeline
 MAILING ADDRESS Reno, Nevada 89501 Vista Canyon Group Sparks Solvent/Fuel Site
Sparks, Nevada
 2. LOCATION NW 1/4 NW 1/4 Sec. 10 T. 19N N/S R. 20 E Washoe County
 PERMIT NO. M/O 913-B P-3 37-030-09 Sparks Solvent/Fuel Site
Issued by Water Resources Parcel No. Subdivision Name

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

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
No log recorded		0	20	
Brown sand and gravel		20	55	
Moist, med. dense, brown c f sand and c f gravel, trace silt		55	58	3
Moist, med. dense, brown, c f sand and c f gravel, trace silt.		58	60.7	2.7
Moist, med. dense, brown-gray mottled, mf sand, little silt, trace gravel.		60.7	62	2.7
Moist, med. dense, brown-gray mottled, c m f sand, trace gravel and silt.		62	64.5	2.5
Saturated, med. dense, brown mottles, m f sand, little silt.		64.5	65.5	1
Saturated, loose, gray mottled, cmf sand.		65.5	66.1	6
Saturated, med. dense, gray c m f sand, trace gravel and cobbles		66.1	67.	9.
Saturated, med. dense, dark gray, c m f sand and c m f gravel.		67.	68.	1
Saturated, med. dense, gray c m f sand and c f gravel, color change to red brown		68	69.5	1.5

below 69ft. 10-16-95 (continued page 2)
 Date started _____ 19____
 Date completed _____ 19____

8. WELL CONSTRUCTION
 Depth Drilled 79 Feet Depth Cased 79 Feet
 HOLE DIAMETER (BIT SIZE)
 From To
11 1/2" Inches 0 Feet 79 Feet
 _____ Inches _____ Feet _____ Feet
 _____ Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6"	w/cap	SCH 80 PVC	0	54
6"		SS Sump w/cap	74	79
SS Centralizers 54, 64, 74				

Perforations:
 Type perforation Factory sawed slot
 Size perforation .100 slot SS wire wrapped
 From 54 feet to 74 feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Surface Seal: Yes No Seal Type:
 Depth of Seal 3 - 48 Neat Cement
 Placement Method: Pumped Cement Grout
 Poured Concrete Grout
 Bentonite Seal: 48 - 50
 Gravel Packed: Yes No 1/2-1/8" Well Sand
 Filter 50 - 52 #20 feet to 52 - 79 feet

9. WATER LEVEL
 Static water level not known feet below land surface
 Artesian flow _____ G.P.M. N/A P.S.I.
 Water temperature N/A °F Quality N/A

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 22549
 Nevada driller's license number issued by the Division of Water Resources, on-site driller 908
 Signed [Signature]
 By driller performing actual drilling on site or contractor
 Date February 20, 1996

7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
no test			

