

PRINT OR TYPE ONLY
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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 4 pages
 NOTICE OF INTENT NO. 23389

Consultant: Kennedy/Jenks, Inc.
 OWNER: Refuse, Inc.
 MAILING ADDRESS: 160 Hubbard Way, Suite #2
Reno, Nevada 89502
 ADDRESS AT WELL LOCATION: Lockwood Landfill, Lockwood, Nevada
 2. LOCATION: BDA 1/4 Sec. 27 T. 19N N/S R. 21 E Storey County
 PERMIT NO. M/O 253-C LL-7 04-131-03 Lockwood Landfill/SW Property Limits
 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 _____

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Silty Medium Sand w/ Gravel: Dry, loose, pale yellowish brown, abundant volcanic gravels and cobbles (25%).		0	2	2
Extensively Altered Andesite: Dry, grayish orange, moderately weak with extensive clay alteration and limonitic staining; feldspar phenocrysts largely altered to sericite clay.		2	10	8
Extensively Altered Andesite: Dry to damp, pale yellowish orange, moderately weak with extensive clay alteration of feldspars and orange limonitic staining.		10	20	10
Extensively Altered Andesite: Dry, pale yellowish orange and white mottled, bleached locally, weak, extensive clay-altered feldspar phenocrysts and groundmass, relic porphyritic aphanitic structure, friable; scattered fragments of less-altered rock; little clay; localized hard, silicified zones. becomes light brown at 37'.				

8. WELL CONSTRUCTION
 Depth Drilled 300 Feet Depth Cased 300 Feet
 HOLE DIAMETER (BIT SIZE)
 From To
6 1/2 Inches 0 Feet 300 Feet
8 5/8 Inches 0 Feet 300 Feet Reamed
 _____ Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4" PVC	Blank	SCH 80	0	258
4" PVC	Blank	SCH 80	288	298
End Cap & Well Cap SS Centralizers 60', 120',				
Perforations: 180', 250', 270', 290'				
Type perforation <u>Factory Sawn Slot</u>				
Size perforation <u>0.20 x 2"</u>				
From	<u>258</u>	feet to	<u>288</u>	feet
From	_____	feet to	_____	feet
From	_____	feet to	_____	feet
From	_____	feet to	_____	feet
From	_____	feet to	_____	feet
Surface Seal: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Seal Type: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete Grout				
Depth of Seal <u>0-235</u>				
Placement Method: <input type="checkbox"/> Pumped <input checked="" type="checkbox"/> Poured				
Bentonite Seal: <u>235-240'</u>				
Gravel Packed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>Lonestar #3</u>				
From <u>#20 SRI 240-245</u> feet to <u>245-300</u> feet				

Date started 1/18/94 19_____
 Date completed 1/27/94 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			

9. Filter Sand WATER LEVEL
 Static water level 221 feet below land surface
 Artesian flow N/A 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 driller performing actual drilling on site or contractor
 Date April 19, 1995

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Consultant:

1. OWNER Kennedy/Jenks, Inc. ADDRESS AT WELL LOCATION Refuse, Inc.
 MAILING ADDRESS 160 Hubbard Way, Suite #2 Lockwood Landfill, Lockwood, Nevada
Reno, Nevada 89502

2. LOCATION 1/4 1/4 Sec. T. N/S R. E. County
 PERMIT NO. M/O 253-C LL-7 04-131-03 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

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Becomes very pale orange at 50' and slightly plastic when wetted, becomes light brown at 57', becomes very pale orange at 66', becomes grayish orange pink at 76'.		20	85	65
Extensively Altered Andesite: Dry to damp, pale red, moderately weak to strong rock, fresher rock fragments display fine white feldspar phenocrysts in reddish purple groundmass.		85	92	7
Extensively Altered Andesite: Dry to damp, pale yellowish orange limonitic staining & clay-alteration of feldspar phenocrysts and groundmass, some plasticity of fines. ...becomes clayey and moderately plastic at 97', ...becomes less clayey below 100'.		92	117	25
Fresh Basaltic Andesite: Damp, medium gray, strong, fine white feldspar phenocrysts in dark gray aphanitic groundmass; some limonitic staining on fracture faces of rock.		117	154	37

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
 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

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 22549
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 908
 Signed Wayne Drilling Inc. By driller performing actual drilling on site or contractor
 Date April 19, 1995

Date started....., 19.....
 Date completed....., 19.....

7. WELL TEST DATA

TEST METHOD	Bailer	Pump	Air Lift
G.P.M. <u>1.2</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Draw Down (Feet Below Static)			
Time (Hours)			

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

OFFICE USE ONLY
 Log No. 49977
 Permit No. 083
 Basin 083

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 MAILING ADDRESS 160 Hubbard Way, Suite #2
Reno, Nevada 89502

2. LOCATION 1/4 1/4 Sec. T N/S R. E County
 PERMIT NO. M/O 253-C LL-7 04-131-03 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.....

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Weathered Andesite: Damp, very light gray, weak clay-altered feldspar phenocrysts, some plasticity of fines when wetted; localized zones of less altered rock.....fine pyrite within rock fragment fracture faces and some biotite below 190'(2%).. becomes medium gray, less altered, fresher below 195', becomes moist below 197', becomes light gray with more extensive clay alteration below 204'.		154	210	56
Fresh Andesitic Basalt: Damp, medium bluish gray, very strong, fine white feldspar and dark green amphibole phenocrysts in dark gray aphanitic groundmass, some chlorite alteration.		210	225	15
Weathered Andesite: Moist, medium light gray, weak, clay-altered white feldspars, groundmass leached and friable, relic porphyritic texture.		225	248	23

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
 From.....feet to.....feet
 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

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.....22549
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller.....908
 Signed Jay C. Hedman by driller performing actual drilling on site or contractor
 Date April 19, 1995

Date started....., 19.....
 Date completed....., 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)	

OFFICE USE ONLY
 Log No. 4977
 Permit No. 283
 Basin

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 Air Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Fresh Andesite: Wet, medium gray, strong fine white feldspar phenocrysts in gray groundmass, occasional amphibole phenocrysts and fine pyrite (2%); trace quartz fragments (5%); scattered rock fragments w/fracture faces stained w/limonite. rock cuttings coarsening below 265',harder drilling below 272'.		248	272	24
Fresh Andesite Basalt: Wet, medium dark gray, very strong, porphyritic aphanitic texture, white feldspar and green amphibole phenocrysts, abundant rock fragments w/ limonite-stained fracture faces (15%); trace translucent quartz fragments (5%); minor chlorite alteration; moderate to strong sulfur odor between 272'-276'fine pyrite on fracture faces of rock fragments below 285' (2%).		272	300	28

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
 From.....feet to.....feet
 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

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

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<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift		
G.P.M.		