

PF-4D

1053

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

OFFICE USE ONLY
Log No. 113802
Permit No. 076
Basin

PRINT OR TYPE ONLY ^{21st Century}
DO NOT WRITE ON BACK ^{ENR's report} Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 65655

1. OWNER PSC Facility ADDRESS AT WELL LOCATION 2095 Newlands Drive
MAILING ADDRESS 2095 Newlands DR, Fernley NV, 89408

2. LOCATION SE 1/4 SW 1/4 Sec 8 T 20 N/S R 25 E Latitude 39 36 34 UTM E NAD 27
PERMIT/WAIVER No. 021-251-06 Longitude 119 12 06 N NAD 83/WGS 84
Issued by Water Resources Parcel No. Subdivision Name: County: LYON

3. WORKED PERFORMED New Well Replace Recondition Deepen Other...
4. PROPOSED USE Domestic Irrigation Test Monitor Municipal/Industrial Stock
5. WELL TYPE Cable Rotary RVC Other... (HAS)

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
See Attachment				

8. WELL CONSTRUCTION
Depth Drilled 63.5 Feet Depth Cased 50 Feet
HOLE DIAMETER (BIT SIZE)
From 0 To 63.5
Inches Feet
Inches Feet
Inches Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>2"</u>		<u>Sch 40</u>	<u>0</u>	<u>50'</u>

Perforations:
Type of perforation machine slot
Size of perforation 0.02
From 40' feet to 46' 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 38'
Placement Method: Pumped Poured
Gravel Packed: Yes No
From 38' feet to 46' feet

9. WATER LEVEL
Static water level 33.5 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 Western Strata Exploration Inc. Contractor
Address P O Box 657 Contractor
Clarksburg, Ca. 95612
Nevada contractor's license number issued by the State Contractor's Board CA23 0034236A
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1978
Signed [Signature]
By drilling performing actual drilling on site of contractor
Date

Date started 6/21 20 10
Date completed 6/23 20 10

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)

2-43
Log # 113808



PROJECT PSC Chromium Source Ass't

JOB NO. 10-417-00941 DATE 6/18/10

LOCATION _____

RIG TYPE Ingersoll Rand

BORING TYPE Auger

SURFACE ELEV. _____

DATUM _____

Depth in Feet	Drill Rate Min/ft.	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0								SM/SP	dry	SAND TO SILTY SAND , very fine to fine sand, some medium, micaceous, gray to brown
5										
10					33			SP	dry dense	SAND , trace silt, fine to very fine sand, micaceous, gray
15								ML	very stiff	SILT , trace sand, trace clay, fine sand, low plasticity, dark brown to olive brown
20					23					
25										
30					49			ML/CL	wet stiff to very stiff	CLAYEY SILT , medium plasticity, micaceous, dark olive brown
35										
40					58			ML	moist to wet	SANDY SILT , trace clay, low plasticity, gray-brown
45					NR			SP	saturated dense	SAND , trace silt, fine to very fine sand, gray-brown note: change to SPT at 45'
45					37					
50					63			ML	wet saturated	CLAYEY SILT , low to medium plasticity, dark gray brown
50								CL	saturated	SILTY CLAY , medium plasticity, brown

BORING LOG 50-FOOT DEPTH: 1041700941.GPJ_AGRA_PHX.GDT_8/27/10

DEPTH (ft)	HOUR	DATE
20		6/18/10
25		6/18/10
30		6/18/10
35		6/18/10
40		6/18/10
45		6/18/10
50		6/18/10

SAMPLE TYPE
 A - Drill cuttings; NR - No Recovery
 S - 2" O.D. 1.38" I.D. tube sample
 U - 3" O.D. 2.42" I.D. tube sample
 C - California-style tube sample

LOG OF TEST BORING NO. PF-4D

307
log # 113808



PROJECT PSC Chromium Source Ass't

JOB NO. 10-417-00941 DATE 6/18/10

LOCATION _____

RIG TYPE Ingersoll Rand

BORING TYPE Auger

SURFACE ELEV. _____

DATUM _____

Depth in Feet	Drill Rate Min/vft.	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50					45					
					63					note: color change to black at 51'
55					36			CL	moist to wet	CLAY, medium plasticity, black
								SM	saturated	SILTY SAND, fluid
								CL	saturated	CLAY, medium plasticity, black
60					67					note: very fine sand in clay at 61' - 62.5' note: permeability sample taken at 63' to 63.5'
65										Stopped auger at 63.5' Groundwater encountered at 33.5' Modified California sample: 0 to 45' and 62 to 63.5' SPT: 47 to 62' Well construction: Sand - 38-48 Bentonite - 33-38 Cement - 0-33 Screen: 40-48 Blank: 0-48
70										
75										
80										
85										
90										
95										
100										

BORING LOG 50-FOOT DEPTH 1041700941.GPJ AGRA_PHX_GDT 8/27/10

GROUNDWATER		
DEPTH(ft)	HOUR	DATE
▽	None	
▽		
▽		
▽		

SAMPLE TYPE _____
2011 MAY 11 AM 11:32
LOG OF TEST BORING NO. PF-4D
A - Drill cuttings; NR - No Recovery
S - 2" O.D. 1.38" I.D. tube sample
U - 3" O.D. 2.42" I.D. tube sample
C - California-style tube sample