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

OFFICE USE ONLY
Log No. 119511
Permit No.
Basin 087
Well ID# MK-31

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

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

NOTICE OF INTENT NO. 70788

1. OWNER Washoe County
MAILING ADDRESS 4930 Energy Way
Reno, NV 89502

ADDRESS AT WELL LOCATION Mill st and Kietzke
City of Reno.
Subdivision Name:
County: Washoe

2. LOCATION SW ¼ SW ¼ Sec 7 T 19 N/S R 20 E
PERMIT/WAIVER No.
Issued by Water Resources
Parcel No. N/DOT ROW

Latitude
Longitude
UTM E 39.523490 ☐ NAD 27
N 119.789006 ☒ NAD 83/WGS 84

3. WORKED PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Other

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☒ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☐ Rotary ☐ RVC
☐ Air ☒ Other Sonic

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
See Attached form.				
NAD27				
39.523579° N				
119.787982° W				

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Date started: 11-13, 20 13
Date completed: 11-14, 20 13

7. Water Level
Static water level: feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: °F
Quality:

8. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

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

9. WELL CONSTRUCTION
Depth Drilled 36' Feet Depth Cased 35' Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
10"	Inches	0	Feet	36'	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2"	Sch 80	PVC	0	25'
2"	Sch 80	PVC	0	35'

Perforations:
Type of perforation Factory Cut
Size of perforation 0.20
From 20' feet to 25' feet
From 30' feet to 35' feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☐ Neat Cement to ☐ Pumped ☐ Poured
☒ Cement Grout 0 to 15 ☒ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured

Gravel Pack: ☒ Yes ☐ No 18 to 36 ☐ Pumped ☒ Poured
Type: #3
Bentonite Chips: ☒ Yes ☐ No 15 to 18 ☐ Pumped ☐ Poured
Type: MEDIUM CHIPS 3/8

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Cascade Drilling LP
Contractor
Address 1333 W 9th St
Contractor
Upland, CA 91786
Nevada contractor's license number issued by the State Contractor's Board 73966
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2475
Signed [signature]
By driller performing actual drilling on-site or contractor
Date 11-14-13

(Rev 05-08)

USE ADDITIONAL SHEETS IF NECESSARY

(NSPO 3-08)

(O) 627

CTMRD PROGRAM MONITORING WELL STRATIGRAPHIC LOG

Drilling Specifications:

Drilling Contractor: Cascade
Drilling Method: Sonic Rotary
Rig: SPR 6
Driller: Alex Patricio
Boring Diam.: 10 in TD: 36 ft
Development Method:
Date Start: 11/13/13 End: 11/14/13

Well Specifications:

Location Description: E. side Kietzkie S. of Prosperity
Coordinates: ft N ft E
Elevation: ft Survey Method:
Reference Pt. Description:
Well TD: 35, 25 ft bgs Well Diameter: 2, 2 in
Screen Interval: (35-30)(25-20) ft bgs
First Water: N/A ft bgs Static Water at completion: N/A ft bgs

WELL ID: MK-31
Project: Mill Kietzkie PSA
Page 1 of 2
LOGGED BY: B. Kearney

Depth	Density/ Consistency	Moisture	Plasticity	Cohesiveness	Transmissivity	Color	Boulder %	Cobble %	Gravel %	Sand %	Silt %	Clay %	USCS Classification	Weathering/ Oxidization	Grading	Angularity	Matrix/Clast-Supported	Clast Lithology	Sedimentary Structure	Depositional Environment	Stratigraphic Contact	PID/Samples	Lithology	Description
0																								4" concrete sidewalk first 5' hand cleared
5	L	D	MP	C	M	7.5YR 4/1		10	20	30	20	20	GC		WG	SR	MX	G-30 B-40 A-30	M	FLUV	G	1.5		dk. grey clayey gravel w/sand, gravel vf-vc, esp. m-c, sand vf-vc, esp. m-c
10	VL	M	NP	NC	H	10YR 4/2		10	20	60	10		SP-SM		PG	R-SR	MX	G-10 B-50 A-40	M	FLUV	G	2.0		dk. greyish brown poorly graded sand w/ silt & gravel sand is c-vc & well sorted, gravel is vf-vc, esp. m-c
	VL	M	NP	NC	H	7.5YR 4/1	tr	20	40	30	10		GW-GM		WG	SR	MX	G-20 B-40 A-40	M	GOW	G			dk. grey well graded gravel w/silt and sand, gravel vf-vc, incl. cobbles to 6"
15	VL	M	NP	NC	H	7.5YR 3/2		tr	30	50	20		SM		PG	R-SR	MX	G-20 B-40 A-40	M	FLUV	G	0.6		dk. brn silty sand w/ gravel, sand is vf-vc, esp m-c, gravel vf-c, esp. m-c.
	VL	M	NP	NC	H	7.5YR 4/3	tr	10	40	30	20	tr	GM		WG	SR-R	MX	G-20 B-40 A-40	M	GOW	G			brown silty gravel w/ sand, gravel is vf-vc, esp f-m, incl. cobbles to 6", sand is vf-vc
20																						0.7		
25																						0.2		
30	VL	M	NP	NC	H	7.5YR 4/3		tr	30	50	20		SM		PG	SR-R	MX	G-10 B-50 A-40	M	FLUV	G	6.2		brown silty sand w/ gravel, sand vf-vc, esp. c-vc, gravel vf-vc, esp. vf-m

Note: Description section to be used to complement and provide additional information to supplement column descriptors to the left, identify any samples collected, and describe any particulars associated with drilling behavior.

CTMRD PROGRAM MONITORING WELL STRATIGRAPHIC LOG

WELL LOCATION: E. side of Kietzkie, S. of Prosperity

LOGGED BY: B. Kearney

Well ID: MK-31

Project: Mill Kietzkie PSA

Depth	Engineering Properties: Density/ Consistency	Moisture	Plasticity	Cohesiveness	Transmissivity	1° Description: Color	Boulder %	Cobble %	Gravel %	Sand %	Silt %	Clay %	USCS Classification	2° Effects: Weathering/ Oxidization	Depositional Properties: Grading	Angularity	Matrix/Clast-Supported	Clast Lithology	Sedimentary Structure	Depositional Environment	Stratigraphic Contact	Graphics: PID/Samples	Lithology	Description
																						8.1		as above
35	L	M	NP	NC	H	7.5YR 4/3	tr	10	30	50	10		SP-SM		PG	SR	mx	G-20 B-50 A-30	M	GOW	G	10.3		brown poorly graded sand w/ silt & gravel, sand is vf-vc, esp. c-vc, gravel vf-vc esp. m-c, incl. cobbles to 6"+ and small boulders. TD boring at 36'

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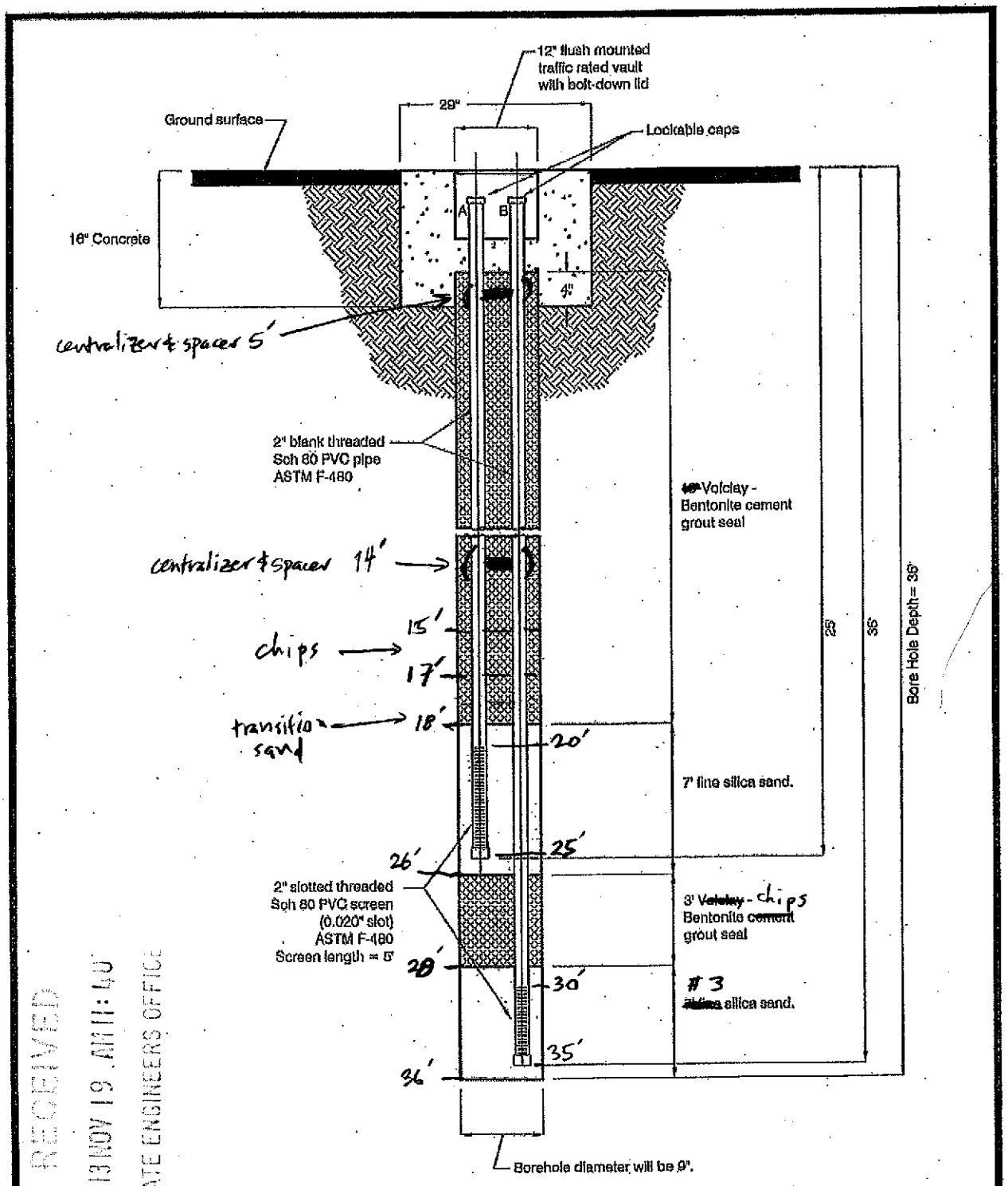

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Monitoring Well
ASG-MK[redacted]31

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