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

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

OFFICE USE ONLY
Log No. 12618
Permit No. 54192
Basin 036

1. OWNER QUEENSTAKE RESOURCES
MAILING ADDRESS HC-31, BOX 78
ELKO, NV 89801

ADDRESS AT WELL LOCATION SSX MINE SITE
NOTICE OF INTENT NO. 59038

2. LOCATION SW ¼ SE ¼ Sec 15 T 40N N/S R 53 E
PERMIT/WAIVER No. 54192 Issued by Water Resources
Parcel No.

Subdivision Name: TRACT OF LAND County: ELKO
Latitude
Longitude
UTM E ~~404010.8~~ 0584522 ☒ NAD 27
N ~~388497.5~~ 4578055 ☐ 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

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
TOPSOIL		0	9	9
SAND & GRAVEL		9	11	2
BROWN ROCK		11	70	59
BLACK SHALE		70	210	140
BLACK LIMESTONE HARD	380	210	480	270
	410			
	460			

Replaced by Well log 12589

NAD 27
41.351473°N
115.489648°W

Date started: 5-Mar, 20 07
Date completed: 9-Mar, 20 07

7. Water Level
Static water level: 135 feet below land surface
Artesian Flow: G.P.M.
Water Temperature: °F
Quality: GOOD
P.S.I.

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
150+		10

9. WELL CONSTRUCTION
Depth Drilled 480 Feet Depth Cased 477 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
12 3/4	Inches	0	Feet	480	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
8 5/8	22.36	.250	+2	20
8 5/8	8.76	SDR17 - PVC/ .508"	17	477

Perforations:
Type of perforation LASER SLOT
Size of perforation .032"
From 397 feet to 477 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 5 to 100 ☐ Pumped ☒ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 100 to 477 ☐ Pumped ☒ Poured
Type: 3/8" PEA GRAVEL
Bentonite Chips: ☐ Yes ☐ No to ☐ Pumped ☐ Poured
Type:

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name HACKWORTH DRILLING, INC. Contractor
Address P. O. BOX 850 Contractor
ELKO, NV 89803
Nevada contractor's license number issued by the State Contractor's Board 020582
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1689
Signed
By driller performing actual drilling on site or contractor
Date 3/9/2007

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

Replaces Unknown well log