

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

OFFICE USE ONLY **109888**
Log No. _____
Permit No. _____
Basin **φ36 pg 1 of 2**

PRINT OR TYPE ONLY
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Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. **58708**

1. OWNER **TG Power** ADDRESS AT WELL LOCATION **3 1/2 miles NW of SRT II**
MAILING ADDRESS **1053 Idaho St. Elko NV 89801** **East side of Spanish Ranch Rd.**
SW Subdivision Name: **Spanish Ranch** County: **Elko**

2. LOCATION **SE 1/4 Sec 17 T 41 N SR 52 E** Latitude **41° 27' 27" N** UTM E **116.8 54** NAD 27
PERMIT/WAIVER No. **M/O-1463** Longitude **116.8 54** NAD 83/WGS 84

Issued by Water Resources Parcel No. _____

3. WORKED PERFORMED New Well Replace Recondition
 Deepen Other

4. PROPOSED USE Domestic Irrigation Test Cable Rotary RVC
 Municipal/Industrial Monitor Stock Air Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Medium Sand w/Gravel		0	20	
Gravel, Coarse Sand + gravel with clay, Coarse sand w/ clay.		20	80	
Coarse sand w/clay, clay w/sand, sand w/silt + gravel.		80	140	
Sand w/silt		140	170	
Coarse Sand w/gravel, Sand w/silt + clay		170	220	
Clay + Silt		220	240	
Clay + Silt w/sand, Gravel sand + gravel w/silt		240	340	
Silt + Clay, Silt + Clay w/gravel.		340	360	
Gravel w/silt		360	380	
Gravel + Coarse sand, clay + silt, silt + clay w/sand		380	420	
Coarse sand + gravel, silt + clay w/ gravel, Coarse sand gravel + clay		420	500	

41.357593° N
116.147411° W
NAD 27 (1983)

9. WELL CONSTRUCTION

Depth Drilled ~~370~~ **500** Feet Depth Cased **500** Feet

HOLE DIAMETER (BIT SIZE)

	From	To	Feet	Feet
18 Inches	0	20		
12 1/4 Inches	20	500		

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6 5/8		.250 Blank	+3	130
6 5/8		.050 screen (slot)	130	500

Perforations:

Type of perforation **Wire wrap low carb steel**

Size of perforation **.050**

From **130** feet to **500** feet

Annular Seal: Yes No

Neat Cement to _____ Pumped Poured

Cement Grout **0** to **120** Pumped Poured

Concrete Grout to _____ Pumped Poured

≥30% Bentonite Grout to _____ Pumped Poured

Gravel Pack: Yes No **130** to **500** Pumped Poured

Type: _____

Bentonite Chips: Yes No **120** to **130** Pumped Poured

Type: _____

Date started: **9-10-** 20 **07**
Date completed: **9-29** 20 **07**

7. Water Level

Static water level: **66.0** 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)

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name **WDC Exploration & Wells** Contractor

Address **1200 W. San Pedro** Contractor

Gilbert A2 85233
Nevada contractor's license number
issued by the State Contractor's Board **0012852**

Nevada driller's license number issued by the Division of Water Resources, the on-site driller **1616**

Signed **[Signature]**
By driller performing actual drilling on site or contractor

Date **1-14-08**

109888

Well Lithology Summary

Well ID: MW -1
 Dates Drilled: Sept 11 -16, 2007

Well Location: TG Power LLC

Project #: 07.00038.01
 Project Name: Water Resource Investigation

Depth Interval (ft)	Lithology	General Description	Comments
0-10	Top soil	Fine to medium sand & gravel with cobbles	Drilling started on 9/11/07
10-20	Top soil	Medium to coarse sand, gravel, & cobbles	
20-30	Unconsolidated sediment	Gravel and cobbles	Water level at 66 feet below TOC. 50-60 °F
30-40	Unconsolidated sediment	Coarse sand & gravel with clay	
40-50	Unconsolidated sediment	Coarse sand with gravel	
50-60	Unconsolidated sediment	Coarse sand with gravel	
60-70	Unconsolidated sediment	Coarse sand	
70-80	Unconsolidated sediment	Coarse sand with little clay	
80-90	Unconsolidated sediment	Coarse sand with clay	
90-100	Unconsolidated sediment	Clay with sand	
100-110	Unconsolidated sediment	Sand and gravel	
110-120	Unconsolidated sediment	Sand with silt and gravel	
120-130	Unconsolidated sediment	Sand with silt and clay	
130-140	Unconsolidated sediment	Coarse sand with gravel	
140-150	Unconsolidated sediment	Sand with silt	
150-160	Unconsolidated sediment	Sand with silt	
160-170	Unconsolidated sediment	Sand with silt	
170-180	Unconsolidated sediment	Coarse sand with gravel	
180-190	Unconsolidated sediment	Mostly sand	
190-200	Unconsolidated sediment	Sand with silt and clay	
200-210	Unconsolidated sediment	Sand and gravel with clay	
210-220	Unconsolidated sediment	Sand and clay	
220-230	Unconsolidated sediment	Clay and silt	
230-240	Unconsolidated sediment	Clay and silt	
240-250	Unconsolidated sediment	Clay and silt with sand	
250-260	Unconsolidated sediment	Silty clay	
260-270	Unconsolidated sediment	Sand and gravel with silt	
270-280	Unconsolidated sediment	Silty clay with sand	
280-290	Unconsolidated sediment	Gravel	
290-300	Unconsolidated sediment	Gravel and coarse sand	
300-310	Unconsolidated sediment	Sand and gravel with silt	
310-320	Unconsolidated sediment	Coarse sand, gravel, and silty clay	
320-330	Unconsolidated sediment	Silt and clay with sand	
330-340	Unconsolidated sediment	Silt and clay	
340-350	Unconsolidated sediment	Silt and clay with gravel	
350-360	Unconsolidated sediment	Silt and clay	
360-370	Unconsolidated sediment	Gravel with silt	
370-380	Unconsolidated sediment	Gravel with silt	
380-390	Unconsolidated sediment	Clay and silt	
390-400	Unconsolidated sediment	Silt and clay	
400-410	Unconsolidated sediment	Gravel and coarse sand	
410-420	Unconsolidated sediment	Silt and clay with sand	
420-430	Unconsolidated sediment	Coarse sand and gravel	
430-440	Unconsolidated sediment	Silt and clay with gravel	
440-450	Unconsolidated sediment	Silt with gravel	
450-460	Unconsolidated sediment	Silt, clay, with some gravel	
460-470	Unconsolidated sediment	Silt, clay, and gravel	
470-480	Unconsolidated sediment	Coarse sand, gravel, and clay	
480-490	Unconsolidated sediment	Gravel and coarse sand	
490-500	Unconsolidated sediment	Silt and clay	Bottom of borehole. Drilling finished on 9/15/07

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