

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

OFFICE USE ONLY **107624**
Log No. _____
Permit No. _____
Basin **036** **PS1**

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. **58707**

1. OWNER **TG Power**
MAILING ADDRESS **1053 Idaho St Elko NV 89801**

ADDRESS AT WELL LOCATION **3 1/2 miles NW of SRT II. 1 mile NE**
Subdivision Name: **MW-2** County: **Elko**

2. LOCATION **NW 1/4 NE 1/4 Sec 16 T 41 N R 52 E**
PERMIT/WAIVER No. **531-1956-2 M/O-1463**
Issued by Water Resources Parcel No. _____

Latitude **41.455589** UTM **E572422** NAD 27
Longitude **116.131952** **N 4589685** 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
Top soil		0	20	
Silty clay w/sand		20	130	
Coarse sand w/gravel		30	40	
Silty clay w/coarse sand		40	50	
Silt & clay		50	60	
Coarse sand w/gravel		60	70	
Silt & clay w/sand		70	80	
Silt & clay w/increasing sand		80	90	
Sand & silt		90	100	
Coarse sand & gravel w/silt		100	110	
Coarse sand & gravel		110	210	
Gravel		210	230	
Gravel & coarse sand		230	390	
Medium to coarse sand		390	400	
Sand w/silt		400	410	
Gravel w/sand		410	420	
Sand w/gravel		420	430	
Sand		430	440	
Sand w/silt		440	470	
Silt & clay		470	480	
Sand & silt		480	490	
Sand, silt & gravel		490	500	

9. WELL CONSTRUCTION				
Depth Drilled	Feet	Depth Cased	Feet	
510	500	500	500	
HOLE DIAMETER (BIT SIZE)				
	From	To	Feet	Feet
18	Inches	0	25	25
12 1/4	Inches	25	510	500
	Inches		Feet	Feet
CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6 3/8		.250 blank	130	130
6 5/8		.650 wire (screen) slot	130	500

Perforations:
Type of perforation **wire wrap low carb steel**
Size of perforation **.050**
From **130** feet to **500** feet
From _____ feet to _____ 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

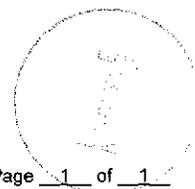
Gravel Pack: Yes No **130** to **500** Pumped Poured
Type: _____
Bentonite Chips: Yes No **120** to **130** Pumped Poured
Type: _____

Date started: **10-2**, 20 **07**
Date completed: **10-27**, 20 **07**

7. Water Level
Static water level: **60.0** feet below land surface
Artesian Flow: _____ G.P.M. _____ P.S.I.
Water Temperature: _____ °F
Quality: _____

8. WELL TEST DATA			
TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailor <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift			

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 AZ 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**



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Well Lithology Summary

Well ID: MW-2
Dates Drilled: Oct. 4 -19, 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	Cobbles, pebbles, gravel, and sand	Drilling started on 10/4/07. Rig broke down.
10-20	Top soil	Cobbles, pebbles, gravel, and sand	Drilling resumed on Oct. 8
20-30	Unconsolidated sediment	Silty clay with sand	
30-40	Unconsolidated sediment	Coarse sand with gravel	
40-50	Unconsolidated sediment	Silty clay with coarse sand	
50-60	Unconsolidated sediment	Silt and clay	
60-70	Unconsolidated sediment	Coarse sand and gravel	
70-80	Unconsolidated sediment	Silt and clay with sand	
80-90	Unconsolidated sediment	Silt and clay with increasing amount of sand	
90-100	Unconsolidated sediment	Sand and silt	Switched to Reverse Circulation
100-110	Unconsolidated sediment	Coarse sand and gravel with silt	
110-120	Unconsolidated sediment	Coarse sand and gravel	
120-130	Unconsolidated sediment	Coarse sand and gravel	
130-140	Unconsolidated sediment	Coarse sand and gravel	Water level at 136 feet below TOC (by WDC)
140-150	Unconsolidated sediment	Coarse sand and gravel	
150-160	Unconsolidated sediment	Coarse sand and gravel	
160-170	Unconsolidated sediment	Coarse sand and gravel	
170-180	Unconsolidated sediment	Coarse sand and gravel	Water level at 176.8 feet below TOC (by JBR)
180-190	Unconsolidated sediment	Coarse sand and gravel	
190-200	Unconsolidated sediment	Coarse sand and gravel	
200-210	Bedrock	Coarse sand and gravel	Hard rock encountered at 200 feet.
210-220	Bedrock	Gravel	Drilling bit worn out very quickly & replaced.
220-230	Bedrock	Gravel	
230-240	Bedrock	Gravel and coarse sand	
240-250	Bedrock	Gravel and coarse sand	
250-260	Bedrock	Gravel and coarse sand	
260-270	Bedrock	Gravel and coarse sand	
270-280	Bedrock	Gravel and coarse sand	
280-290	Bedrock	Gravel and coarse sand	
290-300	Bedrock	Gravel and coarse sand	
300-310	Bedrock	Gravel and coarse sand	
310-320	Bedrock	Gravel and coarse sand	
320-330	Bedrock	Gravel and coarse sand	
330-340	Bedrock	Gravel and coarse sand	
340-350	Bedrock	Gravel and coarse sand	
350-360	Bedrock	Gravel and coarse sand	
360-370	Bedrock	Gravel and coarse sand	
370-380	Bedrock	Gravel and coarse sand	
380-390	Bedrock	Gravel and coarse sand	
390-400	Bedrock	Medium to coarse sand	
400-410	Bedrock	Sand with silt	
410-420	Bedrock	Gravel with sand	
420-430	Bedrock	Sand with gravel	
430-440	Bedrock	Sand	
440-450	Bedrock	Sand with silt	
450-460	Bedrock	Sand with silt	
460-470	Bedrock	Sand with silt	
470-480	Bedrock	Silt and clay	
480-490	Bedrock	Sand and silt	
490-500	Bedrock	Sand, silt, and gravel	Bottom of borehole. Drilling finished on 10/19/07

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