WHITE—DIVISION OF WATER RESOURCES
CANARY—CLIENT'S COPY
PINK—WELL DRILLER'S COPY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

Please complete this form in its entirety

OFFICE USE ONLY
Log No. 30805
Permit No.
Basin 53

PRINT OR TYPE ONLY

NOTICE OF INTENT NO.

1. OWNER U. S. Gold (Merit)
MAILING ADDRESS 1325 Alternative Way Suite #100 Reno, Nevada 89502
ADDRESS AT WELL LOCATION TSGMC Tonkin Mine, Eureka Nev
2. LOCATION NE ¼ SE ¼ Sec. 3 T. 23½ N/S R. 49 E. Eureka County
PERMIT NO. 48707 (amended) Issued by Water Resources | Parcel No. | Subdivision Name

3. TYPE OF WORK: New Well ☑ Recondition ☐ Deepen ☐ Other ☐

4. PROPOSED USE: Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☑ Stock ☐

5. TYPE WELL: Cable ☐ Rotary ☑ Other ☐

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
See attached				

89 JAN 31 A9:43 STATE ENGINEER'S OFFICE

Date started Nov 6, 1988
Date completed Nov 20, 1988

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump

BAILER TEST
G.P.M. ..... Draw down ..... feet ..... hours
G.P.M. ..... Draw down ..... feet ..... hours
G.P.M. ..... Draw down ..... feet ..... hours

8. WELL CONSTRUCTION
Diameter ..... inches Total depth 710 feet
..... inches
..... inches
Casing record 8
Weight per foot 22.36 Thickness 0.25

Diameter	From	To
8 inches	0 feet	710 feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet

Surface seal: Yes ☑ No ☐ Type neat cement
Depth of seal 50 feet
Gravel packed: Yes ☑ No ☐
Gravel packed from 50 feet to 710 feet

Perforations:
Type perforation milled slot
Size perforation 1/8 x 3" 32/ft
From 270 feet to 710 feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet

9. WATER LEVEL
Static water level 30 feet below land surface
Flow approx 100 G.P.M. ..... P.S.I.
Water temperature 5 °F Quality good

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Everett E. Gates (Contractor)
Address P.O. Box 894 Elko, Nev (Contractor)
Nevada contractor's license number issued by the State Contractor's Board 20-22193
Nevada contractor's driller's number issued by the Division of Water Resources .....
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 602
Signed Everett E. Gates (By driller performing actual drilling on site or contractor)
Date .....

(Rev. 11-85) USE ADDITIONAL SHEETS IF NECESSARY (O)-627

PROJECT TONKIN SPRINGS AREA HOLE WW #4

Date/Time Start Finish Contractor

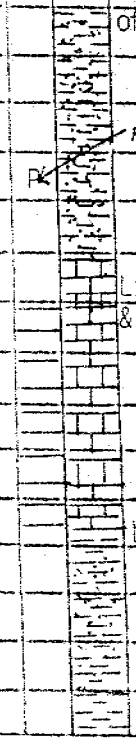
Remarks: Nick Varmun, Welsh Engineering

SURVEY DATA

N E Collar El. AZ Dip

Mineralization (Au, oz/ton)

Sample Ks 200 150 100 050 0 Lith El. Code



REMARKS	Au(t)	Au(CY)	% Recovery	R.Q.D.
Note: The siltstone consists of a blue green or dark brown highly silicified microcrystaline material. In areas where abundant, the associated black shale is also highly silicified.				
Black shale int. w/siltstone various colors of opal.				
Pyrite noted				
Limestone & black shale w/minor quartz & opal				
black shale w/<20% siltstone				

20 40 60 80 100 120 140 160 180 200

Pk

Etzite 39 | Limy 34 Siltstone | Carbon 20 Shale | Black 12 Micrite | Sandy 19 Limestone | Black Shale w/ Siltstone | Clay-alt 57 Intrusive | Tuffs 62 | Arenite 96 | Colluvium 7/

Siltstone 36 | Shale 25 | Chert 33 | Gray Xtl LS 13 | Dolomite 10 | Black Shale w/ Sandstone | Orange, acid leached clay 90 | Andesite 52 | Jasp 97-99 | Gouge

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PROJECT TONKIN SPRINGS AREA HOLE WW #4

Date/Time Start Finish Contractor

Remarks: Nick Varnum, Welsh Engineering

SURVEY DATA

N E Collar El. AZ Dip

Mineralization(Au,oz/ton)

Sample 200 150 100 050 0 Lith

Depth	El.	Code	REMARKS	Au(t)	Au(CY)	% Sample	RQD
	P		Black shale and <50% limestone				
220							
240			Limestone with <50% black shale				
260							
280	P		Arsenic on fractures				
300			Black shale with <50% sandstone, carbon				
320			less carbon				
	P		sandstone interbedded with black shale				
340			arsenic				
360			Black shale with minor sandstone				
380							
400							

Qtzite 39 | Limy 34 Siltstone | Carbon 20 Shale | Black 12 Micrite | Sandy 19 Limestone | Clay-alt 57 Intrusive | Tuffs 62 | Arenite 96 | Colluvium 7

Siltstone 36 | Shale 25 | Chert 33 | Gray Xtl LS 13 | Dolomite 10 | Orange, acid leached clay 90 | Andesite 52 | Jasp 97-99 | Gouge

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PROJECT TONKINS SPRINGS AREA HOLE WW #4

Date/Time Start Finish Contractor

Remarks: Nick Varnum, Welsh

SURVEY DATA

N E Collar El. AZ Dip

Mineralization (Au, oz/ton)

Sample % 200 150 100 050 0 Lith

Depth	El. Code	REMARKS	Au(t)	Au(CY)	% Recov	R.O.D.
		Black shale interbedded w/very hard and fine siltstone - dark green carbonaopus				
420	P					
	P					
440						
460		less carbon				
480						
500						
520		100% Black shale				
540						
	P	increasing siltstone				
560						
		50% siltstone				
580		decreasing siltstone				
600						

Qtzite 39 | Limy 34 Siltstone | Carbon 20 Shale | Black 12 Micrite | Sandy 19 Limestone | Clay-alt 57 Intrusive | Tuffs 62 | Arenite 96 | Colluvium 7/

Siltstone 36 | Shale 25 | Chert 33 | Gray Xtl LS 13 | Dolomite 10 | Orange, acid leached clay 90 | Andesite 52 | Jasp 97-99 | Gouge

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PROJECT TONKIN SPRINGS

Date/Time Start Finish Contractor AREA HOLE WW#4

Remarks: Nick Varnum , Welsh Eng.

SURVEY DATA

N E Collar El. AZ Dip

Mineralization(Au,oz/ton)

Sample No. 200 150 100 050 0 Lith El.Code

Depth	REMARKS	Au(t)	Au(CY)	% Sorcery	R.Q.D.
	100% black shale				
620					
640	siltstone up to 50%				
660					
680	minor siltstone				
	black shale with clay				
	high drilling speed				
700					
720					
	TD = 710'				

Qtzite 39 | Limy 34 Siltstone | Carbon 20 Shale | Black 12 Micrite | Sandy 19 Limestone | Clay-alt 57 Intrusive | Tuffs 82 | Arenite 96 | Colluvium 7/

Siltstone 36 | Shale 25 | Chert 33 | Gray Xtl LS 13 | Dolomite 10 | Orange, acid leached clay 90 | Andesite 52 | Jasp 97-99 | Gouge

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