STATE

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

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

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

OFFICE USE ONLY
Log No. 74991
Permit No.
Basin 66

NOTICE OF INTENT NO. 39302

1. OWNER NEWMONT GOLD CO
MAILING ADDRESS PO BOX 669
GOLCONDA NV

ADDRESS AT WELL LOCATION TWIN CREEKS MINE
HOLE # MD1927

2. LOCATION SE SW Sec 19 T 39 N/S R 43 E/W LANDER County

PERMIT NO. MD1136 D
Issued by Water Resources | Permit No. | Subdivision Name

3. WORK PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Abandon ☐ 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
LITHOLOGY ATTACHED				

RECEIVED
99 JAN 22 AM 10:18
STATE ENGINEER'S OFFICE

Date started 10/28, 1998
Date completed 11/6, 1998

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

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

8. WELL CONSTRUCTION
Depth Drilled 1200 Feet Depth Cased 1200 Feet

HOLE DIAMETER (BIT SIZE)

		From	To
8.5 Inches		0 Feet	20 Feet
6.5 Inches		200 Feet	1200 Feet
Inches		Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
7 5/8	19	3/16	0	20
2 3/8	SCH 80	STEEL	0	1200

Perforations:
Type perforation FACTORY SLOTS
Size perforation 1/16
From 1180 feet to 1200 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☑ Yes ☐ No
Depth of Seal 50'
Placement Method: ☑ Pumped ☐ Poured
Seal Type: ☑ Neat Cement ☐ Cement Grout ☐ Concrete Grout

Gravel Packed: ☑ Yes ☐ No
From 1200 feet to 1160 feet

9. WATER LEVEL
Static water level 648' feet below land surface
Artesian flow 10.5 G.P.M. P.S.I.
Water temperature COLD °F Quality

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name ROCK WELL DRILLING LLC Contractor
Address PO BOX 6000 Contractor
ELKO NV 89802
Nevada contractor's license number issued by the State Contractor's Board 46949
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1670
Signed [signature] By driller performing actual drilling on site or contractor
Date 1/10/99

(Rev. 3-91) USE ADDITIONAL SHEETS IF NECESSARY (O)-627

ig#14791

DRILLER Rob Oeschger

DATE OF COMPLETION 11-5-98

GEOLOGIST

WELL # m/o 19-27

SURFACE CASING
DIAMETER 7 5/8 INCHES
LENGTH 20 FEET

DEPTH FT.

50 FT. CEMENT SURFACE SEAL 12 BAGS

50

STATIC WATER LEVEL = 648 FT.

HOLE DIAMETER 6 1/2 INCHES

2 3/8 Steel INCH SCH 80 ~~PVC~~ RISER

VOLCLAY SEAL ____ BAGS

AND/OR

TYPE: 60 5016 Casing Seal
60 3/8 Avg BENTONITE
120 BAGS

Sanded to 1160

Top of Screen 1180'

2 3/8 INCH SCH 80 ~~PVC~~ SCREEN

#8 SAND SIZE
28 # BAGS

Bottom of Screen 1200'

COMMENTS:

TD 1200

#1 14741
MEGA Pit

NEWMONT GOLD COMPANY
TWIN CREEKS MINE CHIP LOG

COORDINATES 45405.1040 N 16736.2341 E ELEV. 4721.6618 HOLE NUMBER MO 19-27

PROJECT Hydro Piezometer FINAL DEPTH 1200 ft LOGGED BY M.E. Jones BEARING _____ INCL. -90 DRILLING METHOD RC

DATE 11/2/98 PAGE 1 OF 4

GRAPHIC LOGS: INTERVAL	ASSAY	GRAPHIC LITHOLOGY	LITHOLOGY: FORMATION	LOCAL FORMATION	ROCK TYPE	LOCAL ROCK UNIT	HOPPER	ALTERATION: SIL	CLAY	DICALC	DOLOMITE	PROP	SER	LOC_ALT	CARB	METALLURGY: CO3	FEOX	SULF	ZONE	LOC_MET	STRUCT.: BRECCIA	FAULT	COUSE	VEINS: VEIN 1	VEIN 2	MINERALS	DESCRIPTION
0-10			Alluv		GRAVEL				1							5	5										LTTAN-GRAY, Silty clay to Pebble/GRAVEL Poorly Sorted Alluvium
10-100			Alluv		GRAVEL											2	2										LTTAN-GRAY, Poorly Sorted GRAVELS, clasts = Calcareous SS
																											SANDSTONE, SANDY LIMESTONE & Silicified Limestone Clasts
																											Sub-Rounded to Sub-Angular Alluvium.
																											Sub Angular LTTAN-BRN Alluvium - Calc SS - SS Limestone Clasts
																											Clast supported GRAVELS Eschart Derived Sediments ?
			Alluv		GRAVEL											2	2										
100-200			Alluv		GRAVEL											2	2										LTTAN-BRN Sub ANGULAR Alluvial GRAVELS
																											MJ BRN Well Rounded CLAST w/ ACICULAR PHENOS ? BASALTIC CLAST
																											LTGY Recrystallized Limestone CLASTS
200-250			Alluv		GRAVEL												2										LTGY-TAN, Sub ANGULAR, Poorly Sorted, GRAVELS
																											Clast Silicified Siltstone, Calc SANDSTONE & Limestone
250-300			Alluv		GRAVEL																						LTGY-LTTAN Sub Ang - Sub Rounded Limestone - Qtzite GRAVELS
																											1.5cm well rounded Clast of Yellow Qtzite & Cherts
																											TRACE OF CARBON IN Silicified MUDSTONE Clasts

TWIN CREEKS ENG 702 635 4669 01/12/99 08:16

Log# 74791

MEGA Pit

NEWMONT GOLD COMPANY
TWIN CREEKS MINE CHIP LOG

COORDINATES _____ N _____ E ELEV. _____ HOLE NUMBER MD 19-27

PROJECT HYDRO PIEZOMETER FINAL DEPTH _____ LOGGED BY M.E. JONES BEARING _____ INCL. -90 DRILLING METHOD RC

DATE 11/2/98 PAGE 2 OF 4

GRAPHIC LOGS: INTERVAL	ASSAY	GRAPHIC LITHOLOGY	LITHOLOGY: FORMATION	LOCAL FORMATION	ROCK TYPE	LOCAL ROCK UNIT	MODIFIER	ALTERATION: SIL	CLAY	DECALC	DOLOMITE	PROP	SER	LOC_ALT	METALLURGY: CARB	CO3	PEOX	SULF	ZONE	LOC_MET	STRUCT.: BRECCIA	FAULT	GOUGE	VEINS: VEIN 1	VEIN 2	MINERALS	DESCRIPTION
300 - 310			Qal	QTg	GVl											2	2										LtGY-wh, Calcareous, Fl Sandstone (Etchart) Gravels
310 - 330			Qal	QTg	GVl										1	1	2										LtBrn-Med Gray-Alluvial Gravels - Chert w/ Carbonaceous Clasts
																											of Siliceous Mudstone (Valmy)
330 - 335			Qal	QTg	GVl				1						1	1	2										LtTan-Brn, DkGy, Clay Alluvium, Siliceous Mudstone-Igneous
335 - 350			Oc		Cst		tbdd	1								1	2							Qtz			LtTan-Pink, weakly Silicified, Calcareous Siltstone w/ Sand
350 - 380					Int				2							2	3										Tan, FL-CL, Argillized Intrusive, Leucoxene Remnants
																											Plag to Limonitic Clay
380 - 400					Cst		tbdd	1								1	3							Qtz			LtTan Pink, Th bdd, Calcareous Siltstone Pervasive Silicification
																											Qtz Vns Strong Oxidation
400 - 405					Int				3							1	3										Pink Intrusive Equigranular (Fu-ML Phenos)
405 - 420					Cst		tbdd									2	3							CCVN			Th bdd Calcareous Siltstone w/ Calcite Veins
420 - 430					Int										1	1	3										Tan-RdBrn Mc-Mn Equigranular intrusive Plag - white clay
430 - 460					Cst		Lam-thbdd	1								2	3							Qtz			Tan, Lam-Thbdd, Calcareous Siltstone w/ Qtz Veins
460 - 485					St		Thbdd	3							1		2							Qtz			Red-Tan-MdGray, Pervasive Silicification, Vuggy St
																											Trace of Carbon (Poss Chert Above the Ear)
485 - 495					Int	EAR?			3							1		3					2				Clay/Pyrite Zone Fault? Intrusive Contact
495 - 520					Int	EAR?			1			2				1	2	1						CCVN			Tan-white-DkGy, Partially oxidized Intrusive - Propylitic
																											Altered Cu-Vcs Intrusive (Ear?)
520 - 580			Oc		PERD	EAR						1				1		1						CCVN			DkGy-GRN Periodite - Porphyritic Mafic Intrusive
																											Chlorite/Calcite on FRX, Propylitic, Vel Mafic Inclusions
																											or Phenos of Olivine?
																											Trace of Leucoxene
			Oc		PERD	EAR						1				1		1						CCVN			
580 -			Oc		PERD	EAR?		3		1						1		1						Dol			White-MdGy Silicified Periodite - Qtz Flooded Fine Pyrns

TWIN CREEKS ENG

01/12/99 09:17 ☎702 635 4669

01/12/99 09:18 ☎702 635 4669 TWIN CREEKS ENG ☑004

MEGA Pit

NEWMONT GOLD COMPANY
TWIN CREEKS MINE CHIP LOG

COORDINATES _____ N _____ E ELEV. _____ HOLE NUMBER MO 19-27

PROJECT Hydro Piezometer FINAL DEPTH 1200 ft LOGGED BY M.E. Jones BEARING _____ INCL. -90 DRILLING METHOD RC

DATE Nov 3 1998 PAGE 3 OF 4

GRAPHIC LOGS: INTERVAL	ASSAY	GRAPHIC LITHOLOGY	LITHOLOGY: FORMATION	LOCAL FORMATION	ROCK TYPE	LOCAL ROCK UNIT	MODIFIER	ALTERATION: SIL	CLAY	DECALC	DOLOMITE	PROP	SER	LOC_ALT	METALLURGY: CARB	CO3	FEOX	SULF	ZONE	LOC_MET	STRUCT.: BRECCIA	FAULT	GOUGE	VEINS: VEIN 1	VEIN 2	MINERALS	DESCRIPTION
600 - 610					Int			3										2									MD-DKGY Silicified Fg Equigranular Intrusive Vugs - Phenos EAZ?
610 - 630					Int				1							1		2									LGY Argillized Fg Equigranular Intrusive
630 - 660					Ms/Ch			3							2	1		2									LG-MDGY, Silicified (Pervasive) Mudstone (Lime Mudstone?) To Chert (Chert Below the EAZ?)
660 - 680					St			1							3	1		2						Qtz			DKGY Lam (Sheared) Carbonaceous Siltstone
680 - 685					St			2							3	0		2						Qtz			
685 - 720					St			1	1		3				2	0		2						Qtz			MD-DKGY Dolomitic Siltstone Lam Carb Pyrite
720 - 735					St				1		2				1	0		1				1					LGY Platey Dolomitic Siltstone
735 - 795					St		Nodules				1				1			1						Qtz			LGY Nodular (Mu Sized) Soft of Rock Siltstone Platey weak Dolomite (Possibly sheared Nodular Silty Limestone?)
795 - 830					St						1							1									LGY Platey-Lam Fg siltstone weak Dolomite + Pyrite
830 - 870					St			2										1						Qtz			LGY Lam Fg siltstone Pervasive Silicification (of Silty limestone Protolith?)
870 - 905					St			1							2			2						Qtz			MD-DKGY Silicified Lam Siltstone No Hcl Reaction Qtz Vns Cross cut Bedding, Pyrite Dss VFg

NEWMONT GOLD COMPANY
TWIN CREEKS MINE CHIP LOG

COORDINATES _____ N _____ E ELEV. _____ HOLE NUMBER Mo 19-27

PROJECT Hydro Piezometer FINAL DEPTH 1200 LOGGED BY M.E. JONES BEARING _____ INCL. -90 DRILLING METHOD RC

DATE 11/3/98 PAGE 4 OF 4

INTERVAL	ASSAY	GRAPHIC LITHOLOGY	FORMATION	LOCAL FORMATION	ROCK TYPE	LOCAL ROCK UNIT	MODIFIER	SIL	CLAY	DECALC	DOLOMITE	PROP	SER	LOC_ALT	CARB	CB3	FOX	SULF	ZONE	LOC_MET	BRECCIA	FAULT	GOUGE	VEIN 1	VEIN 2	MINERALS	DESCRIPTION
905 - 910			Oc		Int P				2							1		2									LGY-wh Int Porphyry Phenos Cu-Vol size PYRITE
910 - 930					St		Lam				2				1			2						Qtz			MGY Lam-Platy Dolomitic Siltstone w/ Qtz Veins
925 - 935					Int P			1										1									LGY-wh Int Porphyry Phenos - Altered to Qtz Vol
935 - 950					St		Lam	1							2			1						Qtz			DKGY muddy Siltstone Lam Sheared WEAK SILICIFICATION No Dolomite
950 -					St		Lam				3				2			2						Dol			DKGY Dolomitic Siltstone Lam Dol Vns
1000 - 1010					SS		SLTY				2				2			1									Lam Silty SANDSTONE Dolomitic, PYRITIC, Carbonaceous
1010 - 1045					St		Lam				3				2			2						Dol			DKGY Lam Siltstone Dolomitic
1045 - 1055					Ms		SLTY Lam		2		2				2			2				1		Dol			DKGY Lam Mudstone Dolomitic Clay od. FRXS
1055 - 1070					Ms		SLTY Lam				2				2			2				1		Dol			
1070 - 1080					St		Lam	1			1				2			2									DKGY Lam muddy Siltstone Dolomitic
1080 - 1090					Int				2							1		3									LGY-wh Fu-MC Equigranular INTRUSIVE DEGRADED Sulfidized
1090 - 1110					St		Lam				2				3			2						Dol			DKGY muddy Siltstone Dolomitic
1110 - 1160			Oc		Ms		SLTY				3				2			2						Dol			MGY Silty MUDSTONE Lam-Thbdd, PYRITIC CARBONACEOUS
1160 - 1200			Oc		St		Dol				3				2			2						Dol			MD-DKGY Siltstone Lam-Thbdd, CARBON Dolomitic

TWIN CREEKS ENG ☎702 635 4669 01/12/99 09:18