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. 78996
Permit No.
Basin 66

NOTICE OF INTENT NO. 39324

1. OWNER NEWMONT GOLD CO
MAILING ADDRESS PO BOX 669 GOLCONDA NV
ADDRESS AT WELL LOCATION TWIN CREEKS MINE BORE HOLE # M01928

2. LOCATION NE 1/4 NE 1/4 Sec 19 T. 39 N/S R. 43 E/W HUMBOLDT County
PERMIT NO. M/O 1936 D Issued by Water Resources | Parcel 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 29 AM 11:17 STATE ENGINEER'S OFFICE

Date started 1/16, 1999
Date completed 1/20, 1999

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 800 Feet Depth Cased 800 Feet

HOLE DIAMETER (BIT SIZE)

		From	To
8 5/8	Inches	0 Feet	12 Feet
6 1/4	Inches	12 Feet	800 Feet
	Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
7 5/8			0	12
2 3/8	STEEL	TUBING	0	800

Perforations:
Type perforation FACTORY
Size perforation 1/16
From 800 feet to 780 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 feet to feet

9. WATER LEVEL
Static water level 140 feet below land surface
Artesian flow 8 G.P.M. P.S.I.
Water temperature °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 66000 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

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

NEWMONT GOLD COMPANY
TWIN CREEKS MINE CHIP LOG

COORDINATES _____ N _____ E ELEV. _____ HOLE NUMBER MO 19-28

PROJECT HYDROLOGY FINAL DEPTH T.D. = 805' LOGGED BY M.E. JONES BEARING _____ INCL. -90 DRILLING METHOD RC

DATE JAN 8 1999 PAGE 1 OF _____

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
0-10			Oc		St		tufa		1							2	3										MIXED ROAD METAL & Calc St (Comus) & Fg Tuff SAND LAM
10-45'					St		LAM																				TAN-BROWN, INTERLAMINATED MUDSTONE & SILTSTONE
45-60					Tuff		SNDY		1							1	3										TAN-BROWN, Fu-VCU, SANDY, Tuff, Tuff FRAGS w/ Pebble
																											SIZED ROUNDED BASALT CLASTS STRONG OXIDATION OF SEDIMENT
60-80					St		tufA		1								3										LT TAN-BRN Tuffaceous Siltstone Th bdd-Lam No Calcite
80-125					SS		tufA									1	3										BRN, Fu-ML SAND SIZED Tuffaceous MATRIX w/ VCL
																											ROUNDED BASALT, St, & MS CLASTS - Debris Flow?
125-135					St		SNDY									2	3							CCVN			LT BRN Tufaceous Siltstone w/ interbeds of Tufaceous SAND
135-155					Int				1			1				2	1	1						CCVN			LTGY, Mu-CL Equigranular MAFIC INTRUSIVE Prop, FeOx,
155-175					Int				2			1				2	3							CCVN			TAN-BRN Mu-CL Equigranular MAFIC INTRUSIVE Sulfides → Limonitic
																											clay
175-185					St		LAM	3								1	3							CCVN			LT TAN, LAM Siltstone interbedded w/ Intrusive?
185-200					Int		EMI					1				2		1						CCVN		Chlorite	LTGY-GRN Equigranular MAFIC INTRUSIVE Calcite on FRX
																											ML-Mu Pheno SIZE TRACE chlorite
200-205					Int							1				2		1						CCVN			MdGY Vfu-fL Pheno SIZED CONTACT CHILL MARGIN? Equigranular MAFIC Intrusive
205-235					St		LAM	1							1	2	1	2									DKGY-TAN, LAM-Th bdd, Cg Siltstone & Interbedded Tuffaceous
																											Fu grained SANDSTONE PARTIALLY OXIDIZED & Silicified
235-270					St		Lam								2	2		2									DKGY-LTGY LAM-Th bdd Carbonaceous Siltstone Interbedded
																											w/ Fu Tuffaceous SAND Beds (PYRITE$_2$)
270-300					St		SNDY								2	1		2						CCVN			DK-Md GY LAM Siltstone w/ Fg SAND (Tuffaceous) interbeds
																											CARBONACEOUS PYRITIC

log# 78996

01/12/99 TUE 09:31 FAX 7756354751 GEOLOGY 001

01/12/99 TUE 09:33 FAX 7756354751 GEOLOGY 002

NEWMONT GOLD COMPANY
TWIN CREEKS MINE CHIP LOG

COORDINATES _____ N _____ E ELEV. _____ HOLE NUMBER MO 19 28

PROJECT HYDROLOGY FINAL DEPTH T.D = 805 LOGGED BY ME JONES BEARING _____ INCL. -90 DRILLING METHOD RC

DATE Jan 10 1998 PAGE 2 OF _____

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
300 - 355			Oc		St		SNDY								3	1		2						alvn			DKGY. MdGY, Lam-Th, Siltstone w/ interbeds - Thbld Tuff
																											SANDSTONE VFu-FL grain size PYRITE Calcite
																											w/ TRACE QUARTZ VEINS IN SHEARED Chips
																											GRAPHITE ON SLICKS
355 - 365					Int							2				2		1						ccvn	chl		LGY-GRN FL PHENO-SIZED, Equigranular MAFIC Intrusive
365 - 375					St										3	1		2						PY			DKGY Cg, Siltstone, Calcareous, PYRITE VEINS
375 - 410					Int							1				1		2						ccvn	PY	Luec	DK-LGY Coarse GRAINED Equigranular MAFIC-Rich INTRUSIVE VCL-Vcu PHENOS
																											Plag LATHS PYRITE Calcite VEINS (Porphyritic ??)
																											w/ Leucoxene REPLACED ILMENITE PHENOS
410 - 430					Int				2			1				1		2									LGY-CREAM VCL-Vcu PHENO EMI Argillized
430 - 440					St			3							1			2									LGY, Siltstone, PERVASIVE Silica REPLACEMENT @ Int Contact
440 - 465					St		SNDY	1							2			1									DKGY Lam-Thbdd Siltstone (Cg) w/ interbedded VFL SANDSTONE
																											WEAKLY Silicified
465 - 470					Int				2							2		1									LT CREAM Fg Equigranular MAFIC intrusive Argillized Cl2
470 - 500					St		SNDY								3	1		2									DKGY Lam-Thbdd Siltstone w/ SANDY INTERBEDS
500 - 520					Int				1			1				1		1									LGY Fu-ML Pheno-Equigranular MAFIC Intrusive Weak Argillized
520 - 540					Int							2				1		2						ccvn		chl	MDGY-GRN Fu-ML Pheno E.M.I PROPYLITIC ALTERATION
540 - 545					Int				2			1				1		2									LT CREAM Fu-ML EMI Argillized @ Contact
545 - 555					St		Lam	1							3	1		2									DKGY Lam-PLATEY Siltstone
555 - 560					Int				2							1		1									LT CREAM Fu-ML EMI Argillized Dike ?
560 - 595					St			1							3	1		1									DKGY Coarse GRAINED Siltstone CARBONACEOUS Silicified
																											w/ Late Calcite on FRXS
595 -					St			2							3			1						Qtz			DKGY-White CARBONACEOUS Siltstone /

log# 78996

NEWMONT GOLD COMPANY
TWIN CREEKS MINE CHIP LOG

COORDINATES _____ N _____ E ELEV. _____ HOLE NUMBER MO-19-28

PROJECT Hydrology FINAL DEPTH T.D.=805' LOGGED BY M.E. Jones BEARING _____ INCL. -90 DRILLING METHOD RC

DATE 1/11/99 PAGE 3 OF _____

GRAPHIC LOGS			LITHOLOGY					ALTERATION							METALLURGY						STRUCT.			VEINS			
INTERVAL	ASSAY	GRAPHIC LITHOLOGY	FORMATION	LOCAL FORMATION	ROCK TYPE	LOCAL ROCK UNIT	MODIFIER	SIL	CLAY	DECALC	DOLOMITE	PROP	SER	LOC_ALT	CARB	CO3	FEOX	SULF	ZONE	LOC_MET	BRECCIA	FAULT	GOUGE	VEIN 1	VEIN 2	MINERALS	DESCRIPTION
600 - 615								2							3			1									DKGY-MDGY, Thbdd Siltstone Silicified
615 - 640					Int				1			1				1		1								Chl	LtGY-Cream, VFg Basalt w/ Vcl-Cu Amygdules - Calcite Qtz Filled Argillized w/ Propylitic Alteration
640 - 675					Int				1			1				1		1								Lwc	Lt-MDGY Basalt w/ Amygdule Fl grain sized Phenos in groundmass Plag Laths (Acicular) Fu grained sized Leucoxene
675 - 730					Int				2							1		1						CCVN		Lwc	LtGY-Wh, Amygdule-Rich, basalt Argillized Clz Amygdules Replaced w/ silica Resistant Remnant.
730 - 755					St		Sndy	1							3	1		2									DKGY-Blk, Thbdd, siltstone w/ yfu sand interbeds weakly Silicified + Pyritic
755 - 765					Int				2							1		3								Lwc	Lt-MdGY Equigranular Mafic Intensive Argillized/Sulfidized
765 - 805					ST			2							3			1						Qtz			DKGY-Blk, Coarse Grained Siltstone Pervasive Silica + some Qtz Vns
						T.D. =			805																		

GEOLOGY

01/12/99 TUE 09:41 FAX 7756354751

log # 78996

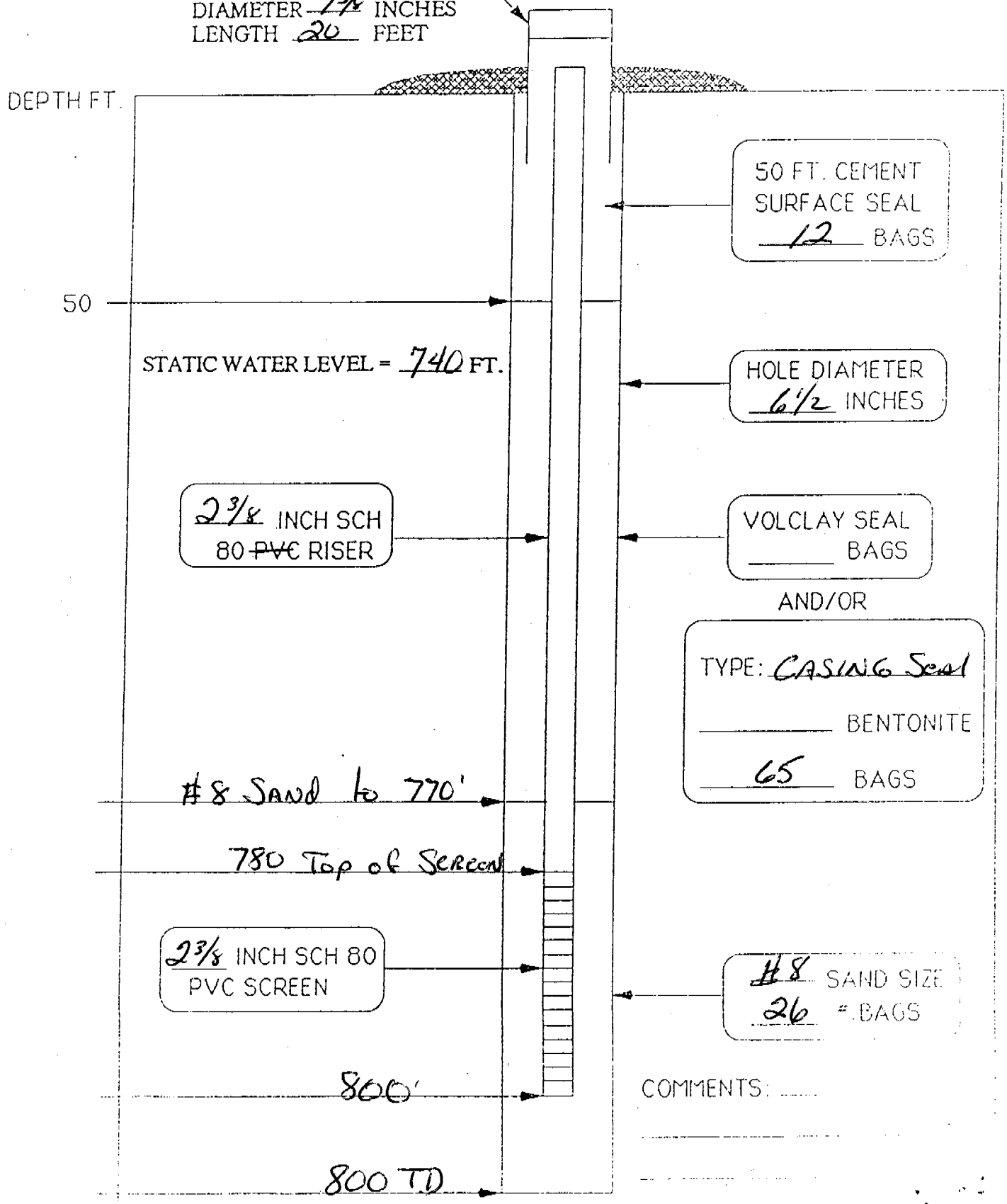
log #78996

DRILLER R Oeschger

DATE OF COMPLETION _____

GEOLOGIST _____

WELL # MO 1928



COMMENTS: _____