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. 35934
Permit No.
Basin 9-107

PRINT OR TYPE ONLY BMW-6

NOTICE OF INTENT NO. 15863

1. OWNER Sonora Mining Corp
MAILING ADDRESS P.O. Box 546
Yerington - Nev 89447
ADDRESS AT WELL LOCATION Buckskin - Mine
Yerington Nev.

2. LOCATION NE ¼ SW ¼ Sec. 18 T. 13 N S R. 24 E. Lyon County
PERMIT NO. W mb-377 (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 ☒ Percussion Hammer

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
See Attached Pages				

Date started 3/27, 1991
Date completed 3/28, 1991

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
NONE			

BAILER TEST
G.P.M. ..... Draw down ..... feet ..... hours
G.P.M. NONE Draw down ..... feet ..... hours
G.P.M. ..... Draw down ..... feet ..... hours

8. WELL CONSTRUCTION
Diameter 16" inches Total depth 147' feet
..... inches
..... inches
Casing record PVC
Weight per foot Sch. 40 Thickness .....

Diameter	From	To
4" inches	+2.5 feet	145 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 131 feet to 147 feet

Perforations:
Type perforation slots
Size perforation .020
From 135 feet to 145 feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet

9. WATER LEVEL
Static water level 135.6 feet below land surface
Flow NONE G.P.M. NONE 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 Layne Environmental (Contractor)
Address 16018 Valley Blvd Fontana, CA 92335 (Contractor)
Nevada contractor's license number issued by the State Contractor's Board .....
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 1468
Signed Stephen Johnson (By driller performing actual drilling on site or contractor)
Date 4/4/91

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

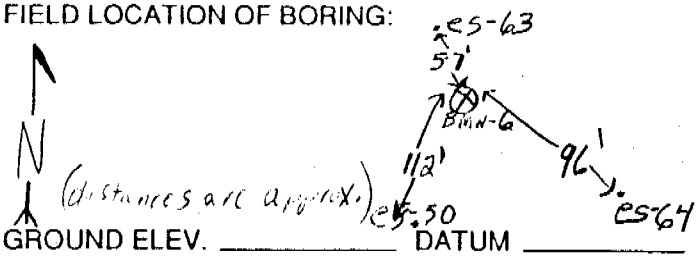
EXPLORATORY BORING LOG

GERAGHTY & MILLER, INC.
Environmental Services

PROJECT NO. NV618.03 DATE 03/27/91
CLIENT Sonar Mining Corp.
LOCATION Yerington, NV
LOGGED BY D. Gerdy DRILLER S. Johnson

BORING BMW-6
SHEET 1 OF 4

FIELD LOCATION OF BORING:



GROUND ELEV. _____ DATUM _____

DRILLING METHOD Percussion Hammer
HOLE DIA. 10 inch
CASING DIA. 4 inch

WELL COMPLETION DATA

WATER LEVEL (below ground surface)	135.6'	135.6'		
TIME	7:45 a.m.	6:45 a.m.		
DATE	03/28/91	03/29/91		

WELL CONSTRUCTION (as-built)	Drawn (Yes/No)	SAMPLE NUMBER	BLOWS/FT. OR PRESSURE PSI	DEPTH	SAMPLE	SOIL GROUP SYMBOL (U.S.C.S.)	SAMPLE/CORE DESCRIPTION
	Ø			5		SW	Coarse Sand (80%), med (10%) fine Sand (5%), gravel (5%) Dry, moderate yellowish brown, poorly-sorted, Subangular Sands 1cm gravels
	Ø			10		SW	Very coarse Sand (20%), coarse (20%) med (35%), gravel (15%), fine (5%) Dry, dark yellowish orange. 3cm gravels Volcanic fragements also present
	Ø			15		SW	Same as above
	Ø			20		SW	Very coarse Sand (70%), med (15%) fine (5%) gravel (10%), Dry, grayish orange, 1-2cm gravels, Subangular 6-7cm fragements
	Ø			25			Coarse Sand & very coarse (70%), gravel (20%) med & fine sand (10%), Dry, 2cm gravels, fragements up to 7cm. dark yellowish orange
	Ø			30		SW	Same as above
				35			Same as above
				40			Very coarse & coarse Sand (80%), gravel (10%) med & fine Sand (10%), Dry, dark yellowish orange
	C			45		SW	Same as above
	C			50		SW	Medium Sand (40%) gravel (20%) coarse (25%) fine (5%) Dry, dark yellowish orange 5cm fragements, Silty, Coarse

MKE 9/89

EXPLORATORY BORING LOG

GERAGHTY & MILLER, INC.
Environmental Services

PROJECT NO. NV6120.3 DATE 03/27/91
CLIENT [illegible]
LOCATION
LOGGED BY [illegible] DRILLER [illegible]

BORING BMW-6
SHEET 2 OF 4

FIELD LOCATION OF BORING:

[illegible]

GROUND ELEV. _____ DATUM _____

DRILLING METHOD Percussion Hammer
HOLE DIA. 10 inch
CASING DIA. 4 inch

WELL COMPLETION DATA

WELL CONSTRUCTION	[illegible]	SAMPLE NUMBER	BLOWS/FT. OR PRESSURE PSI	DEPTH	SAMPLE	SOIL GROUP SYMBOL (U.S.C.S.)	SAMPLE/CORE DESCRIPTION
							WATER LEVEL / TIME / DATE
				55		SW	Very coarse to coarse Sand (75%), gravel (15%) fine sand to silt (10%) dry, dark yellowish orange poorly sorted, 2cm gravels, 7cm fragments
				60		GW	Gravel (50%), very coarse to coarse Sand (40%) fine sand to silt (10%) Dry, dark yellowish orange subangular gravels, Subrounded sands, gravels large 6cm 1-3cm. fragments present.
				65		SW	Very coarse to coarse Sand (55%), gravel (15%) med Sand (25%), fine Sand (5%) dry, dark yellowish orange, Subangular sands gravels fragments 6cm 1/2 to 3cm.
				70		SW	Very coarse to coarse Sand (40%), med (30%) gravel (25%) fine Sand (5%), dry, dark yellowish orange
				75		GW	Gravel (60%), very coarse Sand (30%) fine to med Sand (10%) dry, Mod. yellowish brown, subangular 1/2 to 3cm in size
				80		GW	Same as above
				85		GW	Gravel (80%) very coarse to coarse Sand (20%) gravels range from 1 to 6cm. dry, Pale yellowish brown, poorly sorted Subangular gravels
				90		SW	Coarse to very coarse Sand (50%) gravel (40%) fine to med Sand (10%) dry, a yellowish orange, poorly sorted gravels average 2cm in size subangular.

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EXPLORATORY BORING LOG

GERAGHTY & MILLER, INC.
Environmental Services

PROJECT NO. NV61203 DATE 03/27/91
CLIENT Sonora mining Corp.
LOCATION Yerington, Nev
LOGGED BY P. Brady DRILLER S. Johnson

BORING BMW-6
SHEET 3 OF 4

FIELD LOCATION OF BORING:

See map

GROUND ELEV. _____ DATUM _____

DRILLING METHOD Percussion Hammer
HOLE DIA. 10 inch
CASING DIA. 4 inch

WELL COMPLETION DATA

WATER LEVEL (feet below ground surface)	135.6'			
TIME	7:45 a.m.			
DATE	03/28/91			

WELL CONSTRUCTION	Driller readings	SAMPLE NUMBER	BLOWS/FT. OR PRESSURE PSI	DEPTH	SAMPLE	SOIL GROUP SYMBOL (U.S.C.S.)	SAMPLE/CORE DESCRIPTION
	Ø			95		SW	Very coarse/coarse Sand (70), gravel (20) med/fine Sand (10) dry, dark yellowish orange. Poorly sorted, fragments present. Gravels range from 1/2 to 5cm.
	Ø			100		SW	Medium/fine Sand (80%) gravel (10%) Coarse Sand (10%) dry, moderate yellowish brown, 1cm gravel, silty-clay matrix
	Ø			105		SW	Same as above but slightly moist
	Ø			110		SW	Very coarse/coarse Sand (70%), gravel (20%) med/fine Sand (10) dry, mod. yellowish brown gravels range from 1 to 4cm. Some fragments (trace)
	Ø			115		SW	Very coarse/coarse Sand (60%) gravel (30%) med/fine Sand (10%), slightly moist, mod. yellowish brown
	Ø			120		GW	Gravel (60%), Coarse (30%) fine/med Sand (10%), dry 1-3cm gravels, mod. yellowish brown Volcanic fragments present
	Ø			125		SW	Coarse/Very coarse Sand (60%) gravel (30%) fine/med (10%) slightly moist, 5cm gravels
131	Ø			130		SW	Medium (45%) Coarse (30%) fine (15%), fine (10%) Some fragments (3cm) present gravels are about 1cm moist, silty matrix

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EXPLORATORY BORING LOG

GERAGHTY & MILLER, INC.
Environmental Services

PROJECT NO. NV07203 DATE 03/28/91
CLIENT Sonora Mining Corp.
LOCATION Yerington, NV
LOGGED BY D. Bradley DRILLER S. Johnson

BORING BMW-6
SHEET 4 OF 4

FIELD LOCATION OF BORING:

See P.1

GROUND ELEV. _____ DATUM _____

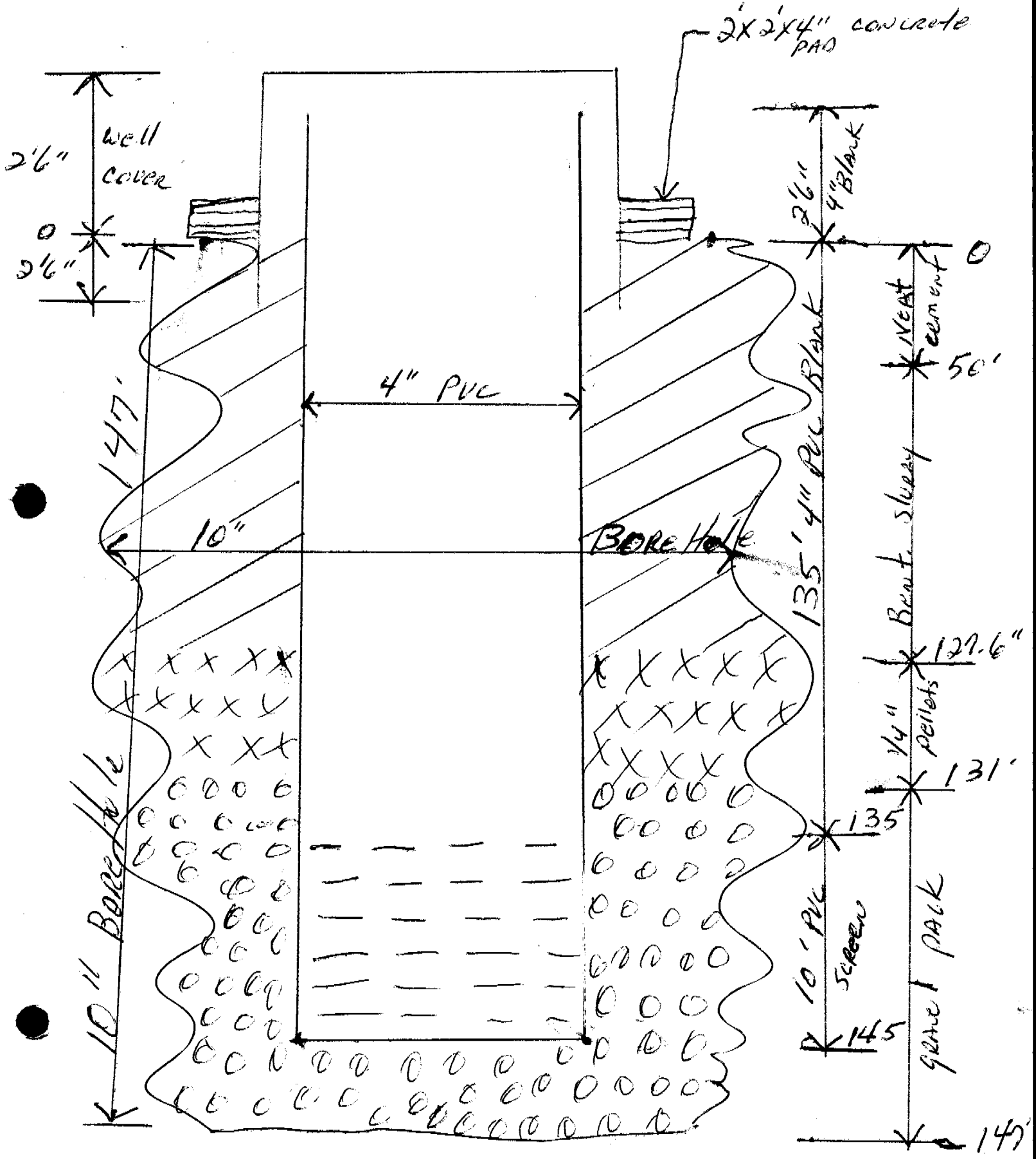
DRILLING METHOD Percussion Hammer
HOLE DIA. 10 inch
CASING DIA. 4 inch

WELL COMPLETION DATA

WELL CONSTRUCTION	Drager reading	SAMPLE NUMBER	BLOWS/FT. OR PRESSURE PSI	DEPTH	SAMPLE	SOIL GROUP SYMBOL (U.S.C.S.)	SAMPLE/CORE DESCRIPTION
		DTW	135.6 ▽				
135	¢			135		SW	Med. Sand (60%) coarse (20%) gravel (15%) fine (5%), moist, dark yellowish brown, clean sand, subrounded sands, gravel 2cm in size, poorly-sorted, silty-clay matrix
				140		SW	Same as above but very moist (saturated
145	¢			145		SW	Same as above
Bottom 147.0'							Bottom of boring = 147.0' boring completed 03/27/91 - 03/28/91 Well installation on 03/28/91

MKE 9/89

BMW-6


2'x2'x4" concrete pad
well cover
2'6"
0
2'6"
147'
10"
4" PVC
Bore Hole
10" Bore Hole
2'6"
4" Blank
0
Neat cement
50'
4" PVC Blank
135'
Bent. slurry
127.6"
1/4" pellets
131'
135
10' PVC screen
145
gravel pack
147'