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. 35935
Permit No.
Basin 9-107

PRINT OR TYPE ONLY BMW-5

NOTICE OF INTENT NO. 15863

1. OWNER Sonora Mining Corp.
MAILING ADDRESS P.O. Box 5461
Yerington Nev 89447

ADDRESS AT WELL LOCATION Buckskin-Mine
Yerington-Nev.

2. LOCATION SW ¼ SW ¼ Sec. 18 T. 13 N/S R. 24 E. Douglas County
PERMIT No. m/o-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 3/26, 19 91
Date completed 3/27, 19 91

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 10" inches Total depth 150 feet
____ inches
____ inches
Casing record PVC
Weight per foot Sch. 40 Thickness

Diameter	From	To
4" inches	+3.5 feet	149 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 135 feet to 150 feet

Perforations:
Type perforation slots
Size perforation .020
From 139 feet to 149 feet
From ____ feet to ____ feet
From ____ feet to ____ feet
From ____ feet to ____ feet
From ____ feet to ____ feet

9. WATER LEVEL
Static water level 138.9 feet below land surface
Flow No N. 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 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

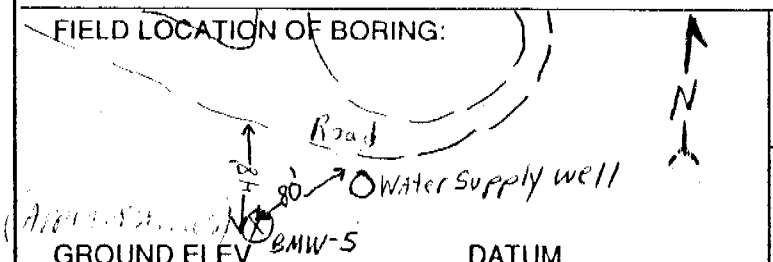
EXPLORATORY BORING LOG

GERAGHTY & MILLER, INC.
Environmental Services

PROJECT NO. NV6[illegible]203 DATE 03/26/91
CLIENT [illegible] Mining Corp.
LOCATION [illegible]
LOGGED BY [illegible] DRILLER S. [illegible]

BORING BMW-5
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 _____

(Below ground surface) WATER LEVEL	138.9'	136.7'		
TIME	7 a.m	6:40 a.m		
DATE	03/27/91	03/28/91		

WELL CONSTRUCTION (2.5 [illegible])	Proper [illegible]	SAMPLE NUMBER	BLOWS/FT. OR PRESSURE PSI	DEPTH (ft)	SAMPLE	SOIL GROUP SYMBOL (U.S.C.S.)	SAMPLE/CORE DESCRIPTION
				5		SW	Med. Sand (60%), Course Sand (30%) gravel (5%), fine sand (5%) gravels range from 1/2 to 5cm in size Dry, poorly sorted, subangular gravel, sub rounded sand, Med. yellowish brown silty matrix
				10		SW	Same as above, fine sand content increasing to approx. 10%. Dark yellowish orange.
				15		SW	Med. sand (50%) Course Sand (30%) gravel (15%), fine sand (5%), Dry, Med. yellowish brown. Angular pebble size gravels about 4cm in size. Silty matrix
				20		SW	Med Sand (70%), Course Sand (15%) fine sand (10%), gravel (5%) Trace of volcanic fragments about 10cm in size. Mostly pebble size (2cm) gravels Dry, Dark yellowish orange. Silty matrix
				25		SW	Same as above. Gravel size increasing to (10%).
				30		SW	Med Sand (50%), Course Sand (30%) fine sand (10%) gravel (10%) Dry dark yellowish orange. Subangular pebble size gravels about 3cm in size silty matrix
				35		SW	Med Sand (35%) Coarse Sand (30%) gravel (30%), fine sand (5%) gravels are about 2cm. Dry, dark yellowish orange. Subangular gravel. trace of volcanic fragments up to 6cm. Poorly-Sorted

MKE 9/89

EXPLORATORY BORING LOG

GERAGHTY & MILLER, INC.
Environmental Services

PROJECT NO. NV67203 DATE 03/26/91
CLIENT [illegible]
LOCATION [illegible]
LOGGED BY [illegible] DRILLER S. Johnson

BORING SMW-5
SHEET 2 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 _____

WATER LEVEL				
TIME				
DATE				

WELL CONSTRUCTION	Drager readings	SAMPLE NUMBER	BLOWS/FT. OR PRESSURE PSI	DEPTH (ft)	SAMPLE	SOIL GROUP SYMBOL (U.S.C.S.)	SAMPLE/CORE DESCRIPTION
	0			40		SW	Very coarse Sand (65%) med Sand (10%) gravel (20%), fine Sand (5%). Dry, Pale Yellowish brown. Poorly Sorted. Trace Volcanic Fragements up to 7cm gravels are ≈ 2-3cm. Coarse Sand is Subrounded. gravels are Sub-angular
	0			45		SW	Same as above
50	0			50		SW	Medium Sand (75%) fine Sand (20%) gravel (5%). Dry, dark Yellowish orange gravels average 3cm. Silty matrix
	0			55		SW	Coarse Sand (55%) med (30%) gravel (10%) fine Sand (5%). Dry, dark Yellowish orange. Subangular gravels are 1.5-3cm in size.
	0			60		SW	Med Sand (50%) coarse (35%) fine Sand (10%), gravel (<5%) Dry, dark Yellowish orange, Silty matrix gravels average 3cm. Poorly-Sorted
	0			65		SW	Med Sand (80%) Coarse (10%) gravel (5%), fine Sand (5%) Dry, dark Yellowish orange
	0			70		GW	Gravel-Sand mixture: Gravel (60%) Coarse Sand (10%), med Sand (25%) fine Sand (5%), Dry, dark Yellowish orange. Poorly Sorted, Abundant volcanic fragements about 4cm. Pebbles are [illegible] in size. Subangular gravel. Subrounded Sands.

MKE 9/89

EXPLORATORY BORING LOG

GERAGHTY & MILLER, INC.
Environmental Services

PROJECT NO. NV67203 DATE 03/26/91
CLIENT [illegible] Mining Corp
LOCATION Yerington, NV
LOGGED BY D. [illegible] DRILLER S. Johnson

BORING BMW-5
SHEET 3 OF 4

FIELD LOCATION OF BORING:

Sand

GROUND ELEV. _____ DATUM _____

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

WELL COMPLETION DATA

WATER LEVEL				
TIME				
DATE				

WELL CONSTRUCTION	[illegible]	SAMPLE NUMBER	BLOWS/FT. OR PRESSURE PSI	DEPTH (ft)	SAMPLE	SOIL GROUP SYMBOL (U.S.C.S.)	SAMPLE/CORE DESCRIPTION
4	Ø			75		GW	Gravel (80%) Course Sand (10%) med Sand (9%) fine Sand (1%) gravel-sand mixture consisting of subrounded, poorly-sorted, gravels and sands. Dry, grayish orange. Silty matrix
	Ø			80		SW	Very course Sand (60%) med (20%) gravel (15%), fine Sand (5%) very tiny gravel pebbles (1/2cm) also 2cm gravels present, dark yellowish orange. Poorly-sorted. Dry.
	Ø			85		SW	Very course Sand (35%) med Sand (40%) gravel (20%), fine Sand (5%), poorly sorted Dry moderate yellowish brown Trace of 5cm fragements.
	Ø			90		GW	Gravel (60%) Coarse Sand (25%) med (10%), fine Sand (5%). Dry, grayish orange, Majority of gravels are 1cm size to 2cm. Trace of fragements up to 8cm. Poorly sorted.
	Ø			95		SW	Coarse Sand (55%) med (25%), gravel (15%) fine Sand (5%), Dry, grayish orange trace of 5cm volcanic fragements. gravels are mostly 2cm in size.
	Ø			100		SW	Coarse Sand (50%), med (40%) gravel (5%), fine Sand (5%) Dry, gravels are of 2cm size. Small as 1cm Moderate Yellowish brown. Poorly sorted. Subrounded sand + gravel Silty matrix

MKE 9/89

EXPLORATORY BORING LOG

GERAGHTY & MILLER, INC.
Environmental Services

PROJECT NO. NV6720[illegible] DATE 03/[illegible]
CLIENT [illegible] Corp.
LOCATION Yerington, NV
LOGGED BY D. Bradley DRILLER S. Johnson

BORING BMW-5
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

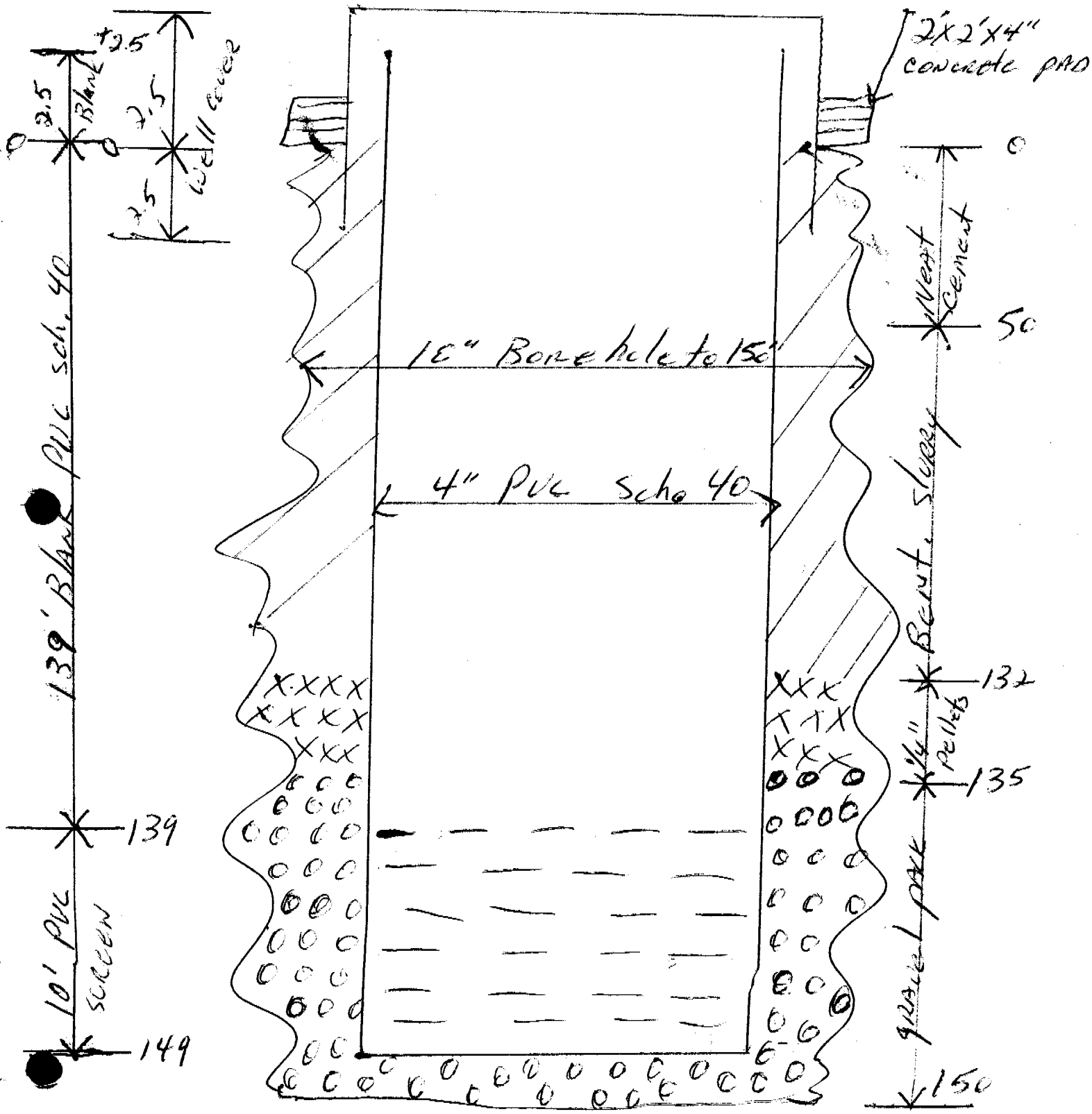
WATER LEVEL				
TIME				
DATE				

WELL CONSTRUCTION		SAMPLE NUMBER	BLOWS/FT. OR PRESSURE PSI	DEPTH	SAMPLE	SOIL GROUP SYMBOL (U.S.C.S.)	SAMPLE/CORE DESCRIPTION
	Ø			105		SW	Same as at 100 ft except lt. brown color.
	Ø			110		SW	Same as above
	Ø			115		SW	Med. Sand (60%) Coarse (25%) fine (10%), gravel (5%), Dry, Moderate yellowish brown. gravels are 3cm in size - Poorly-sorted silty-matrix
	Ø			120		SW	Same as above
	Ø			125		SW	Med. Sand (60%) Coarse (20%) gravel (15%) fine sand (5%) Dry, grayish orange gravels are ≈2cm.
132	Ø			130		SW	Same as above.
135	Ø			135		SW	Course Sand (55%) Med (15%) fine (5%), gravel (25%), Moist. Moderate yellowish brown.
		DTW = 138.9'					
139	Ø		▽	140		SW	Same as above. Saturated
	Ø			145		SW	Same as above.
149 150.0	Ø			150		SW	Same as above.

Bottom of boring = 150.0
Boring drilled 03/26/91 & 03/27/91
Well construction on 03/27/91

MKE 9/89

BMW-5


2.5
2.5
Blank
7.5
Well cover
7.5
139' Blank PVC sch. 40
139
10' PVC SCREEN
149
2'x2'x4" concrete pad
0
West Cement
50
16" Borehole to 150'
4" PVC Sch. 40
Bent. slurry
132
1/4" pellets
135
gravel pack
150