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. 35933
Permit No.
Basin 9-107

PRINT OR TYPE ONLY BMW-7

NOTICE OF INTENT NO. 15864

1. OWNER Sonora Mining Corp.
MAILING ADDRESS P.O. Box 546
Yerington - Nev 89447

ADDRESS AT WELL LOCATION Bradshaw - Mine
Yerington - Nev.

2. LOCATION SW ¼ NW ¼ Sec. 18 T. 13 N/S R. 24 E. Douglas County
PERMIT NO. W n/a - 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 3/28, 19 91
Date completed 3/31, 19 91

7. WELL TEST DATA

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

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

8. WELL CONSTRUCTION
Diameter 10 inches Total depth 251 feet
inches
inches
Casing record PVC
Weight per foot Sch 40 Thickness

Diameter	From	To
4" inches	+2.5 feet	250 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 228 feet
Gravel packed: Yes ☒ No ☐
Gravel packed from 228 feet to 251 feet

Perforations:
Type perforation slots
Size perforation .020
From 240 feet to 250 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

9. WATER LEVEL
Static water level 151.0 feet below land surface
Flow NONE 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 (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

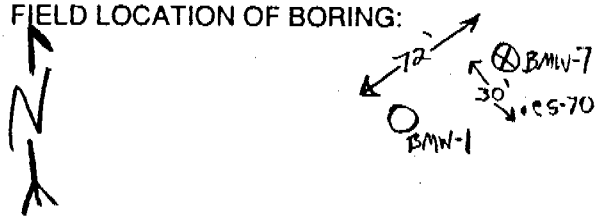
EXPLORATORY BORING LOG

GERAGHTY & MILLER, INC.
Environmental Services

PROJECT NO. NV67203 DATE 03/28/91
CLIENT Sonora Mining Corp. - Yerington, NV
LOCATION
LOGGED BY D. Bradley DRILLER S. Solomon

BORING BMW-7
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	151'	149.3'		
TIME	12:30 p.m	7:45 a.m		
DATE	03/29/91	03/30/91		

WELL CONSTRUCTION 2.5' stick-up	Drager reading	SAMPLE NUMBER	BLOWS/FT. OR PRESSURE PSI	DEPTH	SAMPLE	SOIL GROUP SYMBOL (U.S.C.S.)	SAMPLE/CORE DESCRIPTION
Cement grout; 4 inch PVC Blank; cement grout	Ø			5		SW	Very coarse to medium sand (70%) gravel (10%) medium sand (20%) dry, moderate yellowish brown, 1-3cm sand, poorly-sorted, subangular
	Ø			10		SW	Same as above
	Ø			15		GW	Gravel (60%) very coarse to medium sand (30%) medium sand (10%) dry, gravels range from 1-3cm, poorly-sorted, subangular, dark yellowish orange
	Ø			20		GW	Same as above
				25		GW	
				30		GW	
				35		GW	
				40		GW	
				45		GW	
				50		SW	Very coarse to coarse sand (70%) Gravel (25%), medium sand (5%) dry, subangular, poorly sorted, 1-5cm gravels, moderate yellowish brown
				55		SW	Same as above
				60		SW	medium sand (40%) coarse sand (35%) gravel (20%) fine sand (5%) dark yellowish orange, poorly sorted, subangular, silty matrix

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EXPLORATORY BORING LOG

GERAGHTY & MILLER, INC.
Environmental Services

PROJECT NO. NV67203 DATE 03/28/91
CLIENT Sonora Mining Corp
LOCATION Yerington, NV
LOGGED BY D. [illegible] DRILLER Steve [illegible]

BORING [illegible] 7
SHEET 2 OF 4

FIELD LOCATION OF BORING:

See P.1

GROUND ELEV. _____ DATUM _____

DRILLING METHOD [illegible]
HOLE DIA. [illegible]
CASING DIA. [illegible]

WELL COMPLETION DATA _____

WATER LEVEL				
TIME				
DATE				

WELL CONSTRUCTION	Dräger readings	SAMPLE NUMBER	BLOWS/FT. OR PRESSURE PSI	DEPTH	SAMPLE	SOIL GROUP SYMBOL (U.S.C.S.)	SAMPLE/CORE DESCRIPTION
Cement grout 4 inch PVC BLANK Cement grout	Ø			65		SW	Very coarse [illegible] (50%) gravel (40%) [illegible] Mod. Yellowish brown, silty matrix
	Ø			70		SW	Same as above
	Ø			75		SW	Same as above
	Ø			80		SW	Coarse [illegible] (50%) [illegible] gravel (20%) [illegible] (10%) dry, mod. [illegible] brown. 1/2 to 1 cm [illegible] poorly sorted, [illegible] silty matrix
	Ø			85		GW	Gravel (80%), very coarse [illegible] (15%) fine sand (10%), dry, [illegible] [illegible] gravels [illegible] 1 cm, [illegible] poorly sorted. Silty [illegible]
				90		SW	Very [illegible] (70%) med (10%) gravel (20%), dry, [illegible] gravels from [illegible] 5 cm
	Ø			95		SW	Same as above
	Ø			100		SW	Med-Sand (60%), coarse 25% gravel (10%), [illegible] (5%) dry, [illegible] Yellowish brown 1/2 cm gravels. [illegible] silty matrix
	Ø			105		SW	Very coarse [illegible] (60%) gravel (30%), [illegible] (10%) dry, [illegible] 1-5 cm gravels

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EXPLORATORY BORING LOG

GERAGHTY & MILLER, INC.
Environmental Services

PROJECT NO. NV[illegible] DATE [illegible]
CLIENT Sonora Mining Corp.
LOCATION Yerington, NV
LOGGED BY [illegible] DRILLER S. [illegible]

BORING
SHEET 3 OF 4

FIELD LOCATION OF BORING:
See p.1

GROUND ELEV. _____ DATUM _____

DRILLING METHOD Percussion Hammer
HOLE DIA. 7 [illegible]
CASING DIA. 4 inch

WELL COMPLETION DATA

WATER LEVEL	151'			
TIME	1230			
DATE	03/29/91			

WELL CONSTRUCTION	Diesel (ppm)	SAMPLE NUMBER	BLOWS/FT. OR PRESSURE PSI	DEPTH	SAMPLE	SOIL GROUP SYMBOL (U.S.C.S.)	SAMPLE/CORE DESCRIPTION
4 inch PVC Blank Cement grout	Ø			110		SW	Same as above
	Ø			115		SW	Same as above
	Ø			120		SW	Same as above
	Ø			125		SW	Same as above
	Ø			130		SW	Same as above ← 03/29/91
	Ø			135		SW	Same as above
	Ø			140		GW	Gravel (60%) [illegible] (30%) [illegible] 1-3 cm size [illegible] Silty matrix
	Ø	03/29/91	DTW=151'	145		GW	Volcanic [illegible] (70%) [illegible] Coarse [illegible] (30%)
	Ø		▽	150		GW	Same as above, very moist [illegible]
	Ø			155		SW	Gravel (70%), Very [illegible] sand (20%) [illegible] Very small pebble size gravel about 1/4 cm in size to 1 cm [illegible] poorly graded [illegible] Saturated [illegible]
	Ø			160			Same as above
	Ø			165		SW	Same as above [illegible] to 4 cm
	Ø			170		SW	Same as above, [illegible]

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EXPLORATORY BORING LOG

GERAGHTY & MILLER, INC.
Environmental Services

PROJECT NO. NV6203 DATE 03/27/91
CLIENT [illegible]
LOCATION [illegible]
LOGGED BY [illegible] DRILLER [illegible]

BORING
SHEET 4 OF 4

FIELD LOCATION OF BORING:
See p. 1

GROUND ELEV. _____ DATUM _____

DRILLING METHOD [illegible]
HOLE DIA. 10 inch
CASING DIA. [illegible]

WELL COMPLETION DATA _____

WELL CONSTRUCTION	Diaper readings	SAMPLE NUMBER	BLOWS/FT. OR PRESSURE PSI	DEPTH	SAMPLE	SOIL GROUP SYMBOL (U.S.C.S.)	SAMPLE/CORE DESCRIPTION
WATER LEVEL							
TIME							
DATE	0						
Cement grout; 4 inch PVC Blank; Cement grout	0			175		SW	Very coarse Sand (60%), gravel (25%) Clay/fines (10%), Dry, Med yellowish br. gravels mainly 2-3cm, very dense/tight due to clay cementing the very coarse sands Volcanic pebbles (0.5cm) also present (~5%)
				180			Same as above
				185			
				190			m [illegible] very [illegible] dry
				195			Same [illegible] dry
				200			Same [illegible] dry
				205			"
				210			"
				215			"
				220			"
				225		SW	"
228				230			Bottom of boring 251' - 03/30/91
231				235			borings drilled 03/28/91 - 03/30/91
240				240			Well constructed on 03/30/91
				245			
250				250			
251 Bottom							

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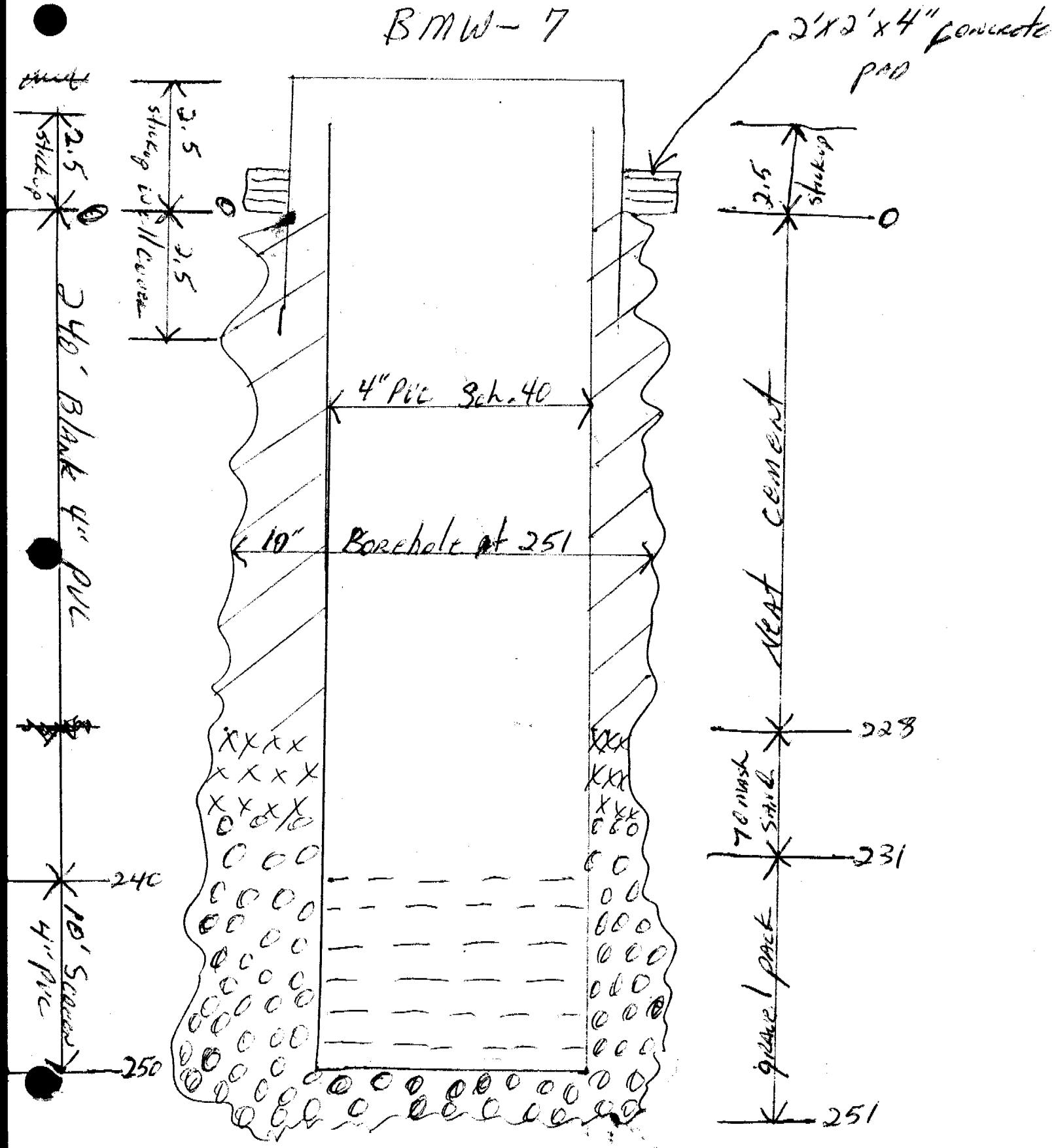
BMW-7


2'x2'x4" concrete pad
2.5 stickup
0
2.5 stickup well cover
0
2.5
240' Blank 4" PVC
4" PVC Sch. 40
10" Borehole at 251
2.5 stickup
0
Neat cement
228
70 mesh sand
231
240
10' Screen 4" PVC
250
gravel pack
251