UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
Region V
2908 Colfax Avenue South
Minneapolis 8, Minnesota

December 8, 1952

Memorandum

To: Operating Committee, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, Field Team, Region V

Subject: Docket DMEA 1562x, Contract Idm E-168
Dodgeville Mining Company, Persons Lease

Here are the original and three copies of the Government Field Team Report and the operator's final engineering report on the subject project.

The project was unsuccessful in disclosing ore and certification is not recommended.

Final accounting is as follows:

Total amount of contract	$6,000.00
Government's share (50%)	3,000.00
Total amount spent	2,820.45
Government's share of expense (50%)	1,410.22
Amount available to general fund	1,589.78

A. B. Needham
Executive Officer
Field Team, Region V

attachments
ABNeedham:vb
cc Dutton
Grosh
Broughton
Hill

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UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL GEOLOGICAL-ENGINEERING REPORT BY FIELD TEAM REGION V

DOCKET NO.: D.M.E.A 1562x
CONTRACT NO.: Idm D-168
COMMODITY: Lead-Zinc

Dodgeville Mining Company
John J. Persons Lease
Iowa County, Wisconsin

H. J. Schroeder, Mining Engineer
U. S. Bureau of Mines

W. A. Broughton, Geologist
U. S. Geological Survey

December 4, 1952

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Location:

The exploration program was conducted two miles southwest of Dodgeville, Wisconsin, on the John Persons lease. This is a tract of land containing ± 80 acres and described as follows: N½ SW¼ Sect. 5, T 5 N, R 3E, Iowa County, Wisconsin.

Contract Provisions and Amendments:

The U. S. Government and Dodgeville Mining Company of 924 Gay Building, Madison 3, Wisconsin, entered into contract agreement D.M.E.A. Docket 1562x, Idm E-168, dated October 2, 1951, for purposes of exploring for zinc and lead ores. Contract amount was for $6,000 with an allowable 4380 feet of churn drilling to be done on contract at a price of $1.00 per foot. Other allowable expenses were $120.00 for assaying and $1500.00 for supervision, engineering, transportation, sample preparation and miscellaneous. Government participation of the expenses was 50 percent. The Landlord's Subordination Agreement attached to the contract is dated October 3, 1951.

Prior to the company's signing the contract on December 20, 1951 an amendment dated December 4, 1951 was added which allowed for deviation from a predetermined drilling pattern if ore of a mineable grade was encountered before completing this pattern. The same amendment changed the starting and completion dates to 7 and 15 months, respectively; and increased the contract drilling cost from $1.00 to $1.25 per foot.

The contract provided for termination if the first 15 holes designated as phase one failed to establish the ore zone.

Summary and Conclusions:

The churn drilling accomplished under this contract did not succeed in discovering an ore body. Only minor amounts of lead-zinc mineralization

was encountered, and trends that could lead to a discovery are not apparent.

Completion of work authorized as phase one failed to establish an ore zone and therefore the contract was terminated.

Certification:

There were no holes that approached values of ore grade. It does not seem likely that the results of this drilling will lead to commercial production of ore. Therefore certification of this property is not recommended.

Reserves - Possible Exploitation:

Results of the drilling did not show any mineralization of sufficient value to be of mineable grade. Therefore no calculations of reserves are made, and possible exploitation need not be considered.

Expenditures:

The following tabulation shows the essential items in regard to the expenditures incurred under this contract:

Total approved	$ 6,000.00
Total cost of project	2,820.45
Government's share of cost	1,410.22
Government's share unexpended	1,589.78

Items of Expense	Expense	Cost per Foot
Wages and salaries	$ 342.25	$ .1892
Telephone	17.00	.0094
Reaming and casing holes	30.00	.0166
Transportation	15.15	.0084
Surveying and mapping	153.60	.0846
Contract drilling	2261.25	1.2500
Assaying	1.20	.0006
Total	$2820.45	$ 1.5588

The contract was completed prior to the requirements that supporting documentary evidence be submitted with the operator's monthly progress report before payment could be made. On June 26 and 27, 1952, Mr. Robert Hull, D.M.E.A. auditor from the Spokane, Washington office, made an on site audit of the project. It has been reported the audit was in accord with

the approved monthly reports.

Description of the Work:

Drilling under the contract began on January 21, 1952 and the last hole was completed on June 3, 1952. Fifteen holes with an average depth of 120 feet or a total of 1809 feet were completed.

Equipment used consisted of 22-W Bucyrus-Erie churn drills using a six inch chisel type bit. Normally only the upper unconsolidated weathered zone requires casing. Usual procedure is to drill five feet and then bail out the sludge with a flap type valve bailer. This sludge is dumped into a tub, and when well mixed, a representative sample taken and put in a pile on the ground for logging purposes and any assay samples required. When an ore zone is encountered, the sample interval is reduced to two feet.

Progress in drilling was variable as the number of drills employed varied from one to two. Also all work was entirely recessed from March 11 to April 29, 1952 due to ground conditions and the use of drills on other property.

Location of D.M.E.A. holes R 1 - R 9 and D 10 - D 15 are shown on Plate 1 accompanying this report. Also shown are thirteen of the operators pre-D.M.E.A. holes on and immediately adjacent to the contract property. D-16 is a post-D.M.E.A. hole. Logs of the D.M.E.A. drilling are to be found in "Appendix A" of this report. Records of the other drilling by the company in this area are on file in the Southwest Wisconsin District Atlas.

Phase one drilling consisted of two north-south rows of holes. One row near the center of the property crossed a lead range showing many shallow pits and shafts. A second row drilled along the west property line crossed the same lead range and also a possible projection of the North Survey Mine located approximately one-quarter mile to the west. The central portion

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

Platteville, Wisconsin
DATE: May 22, 1953

TO : Carl Dutton

FROM : W. A. Broughton

SUBJECT: Final report, Dodgeville Mining Company Jenkin Lease, D.M.E.A. Docket No. 1351x.

Enclosed herewith are two copies of the above report.

W. A. Broughton

WAB:mcw

of this row had been drilled prior to granting the contract. Therefore D.M.E.A. drilling completed the section with six additional holes north and four holes to the south.

Results showed only minor amounts of lead, zinc, or iron mineralization. The fifteen holes authorized did not in the opinion of D.M.E.A. representatives establish an ore zone, and therefore the contract was terminated.

Technical Control - Supervision

Direct supervision of the project was a company responsibility according to the terms of the contract. Holes were located and drilled in accordance with contract provisions.

Driller's logs, elevations, maps, and assays were provided by the operator monthly. Because Dodgeville Mining Company does not have in its employ anyone with a technical background, the logs submitted did not contain as much detail as is desirable. Therefore each hole was also logged by W. A. Broughton of the U. S. Geological Survey and it is this log which has been filed in the Wisconsin District Atlas, copies of which are submitted with this report under Appendix A.

Final geologic report and results of drilling by the Dodgeville Mining Co. in the John J. Persons property, Iowa County, Wis.

W. A. Broughton

U. S. Geological Survey

Docket no.: DMEA 1562X
Contract no.: Idm-E168
Commodity: Zinc-lead

Location of property

The John J. Persons property is about 1¼ miles southwest of the city of Dodgeville, Iowa County, Wis. (fig. 1), and includes the N½SW¼ sec. 5, T. 5 N., R. 3 E. The property is a short distance east of the old North Survey mine in sec. 6 (pl. 1).

Exploration

Exploration in the John J. Persons property was an attempt to locate zinc and lead ore in an area of strong eastward-trending lead ranges southwest of Dodgeville.

In 1948 and 1949 the Dodgeville Mining Co. drilled 46 holes in the Persons property and adjacent area. Five holes (nos. 1-5, pl. 1) were drilled in the Persons property. Holes nos. 1 and 4 could not be found in the field, so only their approximate locations are shown on plate 1. The Dodgeville Mining Co. reported that cuttings from all of these holes contained iron sulfides, those from hole no. 1 contained "light shines of lead and jack" and those from hole no. 2 contained "light lead".

Thirty-three holes were drilled east of the southeast end of the North Survey mine, which is one-quarter of a mile west of the Persons property. This drilling indicated a possible eastward extension of the ore. Eight holes were drilled just west of the Persons property in an unsuccessful attempt to locate a further eastward extension of ore from the North Survey mine (pl. 1).

DMEA holes nos. R1-R5 were drilled in the central part of the Persons property to explore the area of the Dodgeville Mining Company's holes nos. 1-5 and the area of the old lead shaft (pl. 1). DMEA holes nos. R6-R10, D11-D15, and Company hole no. D15 were drilled along the western edge of the Persons property as another attempt to locate an eastward extension of ore from the North Survey mine (pl. 1).

Occurrence of ore

Ore-bearing beds

Zinc and lead minerals of the area in which the John J. Persons property is located occur in the Galena, Decorah, and Platteville formations, all of Ordovician age (fig. 2). Early lead-ore production was largely from the lower part of the Galena formation. Zinc ore and recent lead ore was produced from the upper part of the Platteville formation. Miners' terms, subdividing the formations into members, are used in this report.

Recent drilling in the John J. Persons property by the Dodgeville Mining Co. has shown lean and scattered deposits of galena from the "drab"

into the top of the "Trenton". Lean and scattered deposits of sphalerite occur in the lower part of the "drab", the upper part of the "gray", and from the "blue" into the top of the "Trenton". Zinc and lead ore occurs in the North Survey mine (pl. 1) near the "glass rock"-"Trenton" contact (fig. 2), but no ore was found in the Persons property.

Geologic structure

In the southwestern Wisconsin mining area the limbs of synclines may contain steeply inclined mineralized fractures called "pitches". The pitches are steeply dipping reverse faults roughly paralleling the trends of the synclines and may develop on both limbs of the synclines. They are inclined away from each other on opposite limbs and may extend from the lower "drab" into the top of the "Trenton". Nearly vertical mineralized fractures, called "crevices", may develop in the "drab" and the "gray". They are similar to the pitches except that they usually do not show reverse movement and may overlie either syncline or anticline. Several relatively closely spaced and parallel crevices constitute a "range".

Early lead-ore production from the mapped area came from east-west ranges. Several small crevices were cut by the Dodgeville Mining Company's drill holes, but none of them appeared to contain enough galena to make ore (app. A, logs).

All Ordovician rocks in this area have been gently folded. Known fold axes indicated by structure contours on the top of the "brown rock", as mapped from drill-hole data, trend generally northeastward and eastward (pl. 1). Structure contours (pl. 1) are necessarily incomplete, owing to

scarcity of subsurface information. The striking features of the mapped structure are the northeastward-trending folds extending from the drilled area just east of the North Survey mine across the northwest corner of the Persons property. These folds contain zinc and lead ore east of the North Survey mine and also contain the most abundant zinc and lead minerals found on the Persons property by the recent drilling. This fold trend merits further prospecting.

Results of exploration

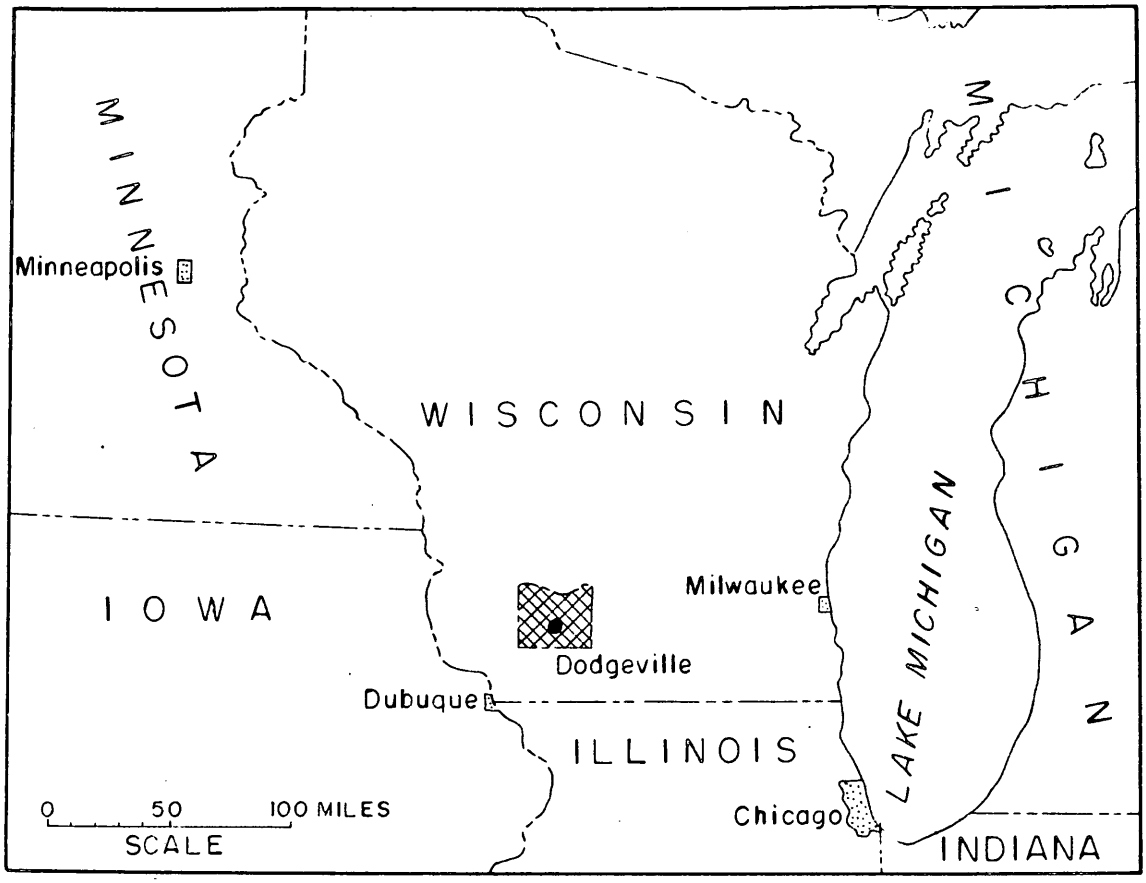
The Dodgeville Mining Co. is very reluctant to assay drill cuttings that do not appear to be of good ore grade. Thus zinc and lead values given in the drill-hole logs (app. A) are chiefly visual estimates made by the U. S. Geological Survey field representative and are believed to be reasonably accurate. Samples of the better cuts are being held on file in the U. S. Geological Survey office at Platteville, Wisconsin, and can be made available for assay to authorized persons.

All of the 15 DMEA drill holes in the Persons property show small amounts of sphalerite or galena (app. A, drill-hole logs). Ten of the drill holes show small amounts of both ore minerals. None of the holes showed zinc or lead ore of mineable thickness. No. D11 is the best hole drilled on the Persons property, showing 5 feet of material estimated to contain 3 percent lead and less than 1/4 percent zinc in the bottom of the "blue" and the top of the "brown rock". However, this hole can hardly be considered to have penetrated material of ore grade.

Recommendations

It is the opinion of the reporting geologist that drilling by the Dodgeville Mining Co., with DMEA assistance, failed to discover zinc and lead ore of mineable grade in the John J. Persons property during stage 1 (see Contract Idm-E168) of the exploration program. However, the North Survey ore zone apparently crosses the northwest corner of the Persons property (pl. 1). Stage 2 of the exploration program was not begun inasmuch as stage 1 failed to discover ore "of a mineable grade on the then existing ore market" (see contract). Therefore it is recommended that the exploration not be certified as a discovery.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



INDEX MAP SHOWING LOCATION OF IOWA COUNTY, WISCONSIN

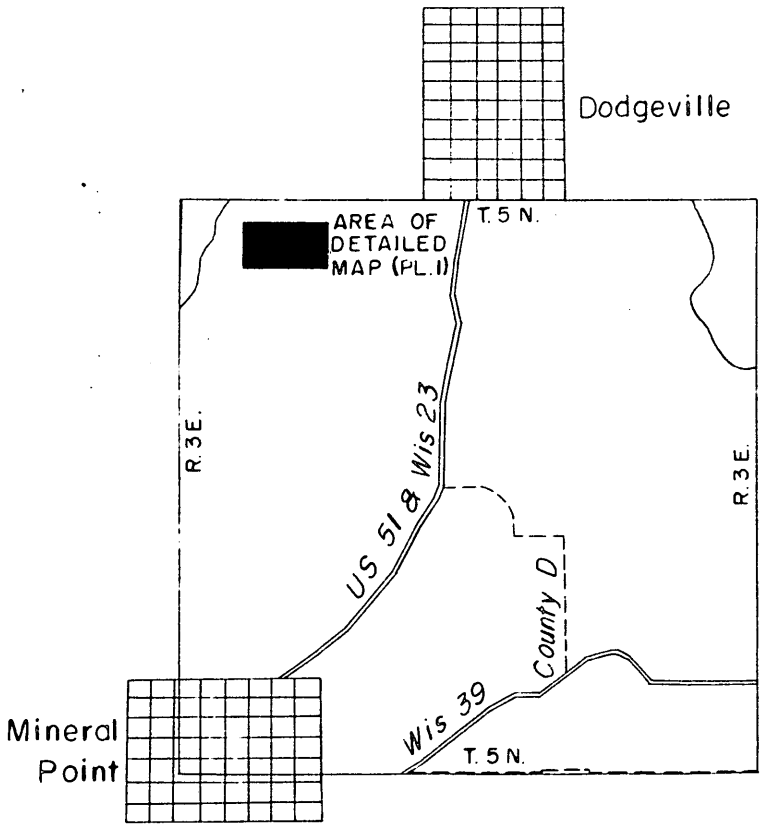


Figure I. MAP SHOWING LOCATION OF THE JOHN J. PERSONS PROPERTY AREA, IOWA COUNTY, WISCONSIN

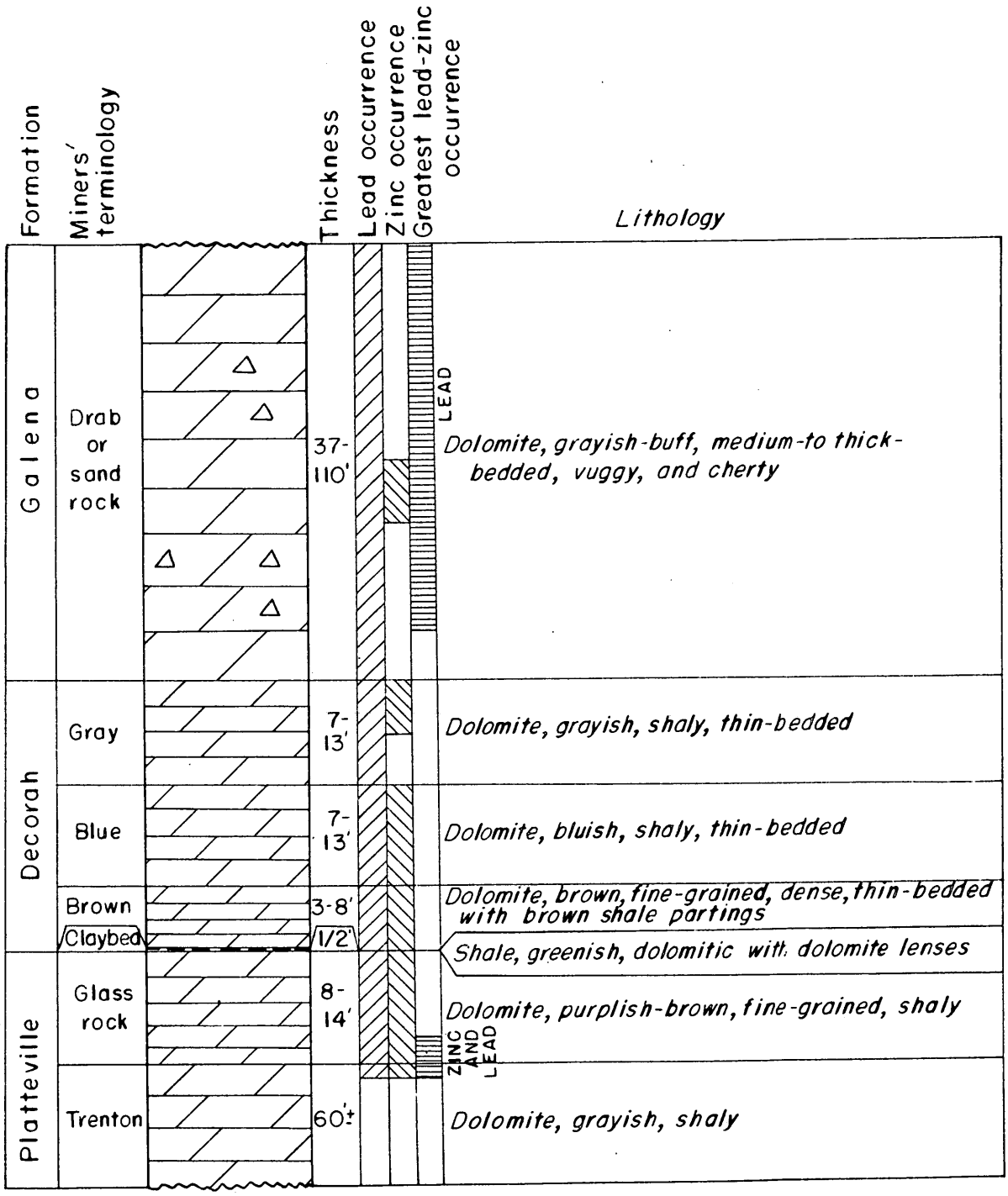


Figure 2. Stratigraphic section of the John J. Persons area, Iowa County, Wisconsin, showing zones of zinc and lead ore.

Appendix A

Drill Hole Logs and Assays

Iowa County

~~Serial No.~~ 6
Hole No. R-1
Collar Elevation: 1189.8'
Depth of Hole: 135'
Location: Persons

~~Serial Ref. 257~~

Date completed: 1/25/52
Drilled by: Dodgeville Mn. Co. DMA
Logged by: Broughton
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	5	Missing
5	95	Drab
95	105	Gray
105	118	Blue
118	122	Brown
122	133	Glassrock
133	135	Trenton

Water table: 60' Heavy

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
5	45		Shine	Shine
45	55		Shine	
55	60		Shine	1.
60	65		Shine	1.5
65	75		3.	1/2
75	90		2.	Shine
90	110		1.	Shine
110	127		Shine	Shine
127	129		1.	Shine
129	131		3.	Shine
131	135		1.	Shine

~~Serial No. 7~~
Hole No. R-2
Collar Elevation: 1186.5'
Depth of Hole: 131'
Location: Persons

Date completed: 2/5/52
Drilled by: Dodgeville Mn. Co., DMA
Logged by: Broughton
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	10	Clay and Drab
10	92	Drab
92	100	Gray
100	109	Blue
109	118	Brown
118	129	Glassrock
129	131	Trenton

Water table: 55' Medium

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
0	75		Shine	
75	80	Shine	1.	
80	85	Shine	1.	Shine
85	90		Shine	Shine
90	95		Shine	

Continued

Iowa County
~~Se[illegible] Ref. 257~~

~~Serial No.~~ 7
Hole No. R-2 (Cont'd)
Collar Elevation: 1186.5'
Depth of Hole: 131'
Location: Persons

Date completed: 2/5/52
Drilled by: Dodgeville Mn. Co., DMA
Logged by: Broughton
Type of Drilling: Churn

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
95	100		Shine	Shine
100	110		Shine	
110	115	Shine	Shine	Shine
115	127		Shine	
127	129		2.	
129	131		Shine	

Depth From	Depth To	Assay Zn	Fe	Pb
110	115	0.20		

~~Serial No. 8~~
Hole No. R-4
Collar Elevation: 1187.4'
Depth of Hole: 137'
Location: Persons

Date completed: 2/9/52
Drilled by: Dodgeville Mn. Co., DMA
Logged by: Broughton
Type of Drilling: Churn

Depth From	Depth To	Lithology	
0	15	Clay and Drab	
15	95	Drab	
95	105	Gray	
105	118	Blue	
118	125	Brown	
125	136	Glassrock	
136	137	Trenton	Water table: 55'

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
0	70		Shine	
70	75		1/4	
75	90		1/2	
90	95		1/2	Shine
95	100		1/4	
100	110		1.	
110	129		2.	
129	131	Shine	2.	Shine
131	134		1.	Shine
134	136		1/2	Shine
136	137		Shine	Shine

Iowa County
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~~Serial No.~~26
Hole No. R-3
Collar Elevation: 1174.3'
Depth of Hole: 125'
Location: Persons

Date completed: June 3, 1952
Drilled by: Dodgeville Mn. Co., DMA
Logged by: Broughton, U.S.G.S.
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	10	Clay and Drab
10	83	Drab
83	90	Gray
90	103	Blue
103	109	Brown
109	121	Glass
121	125	Trenton

Water table: 50'

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
0	20		Shine	
20	25		1.	
25	45		3.	
45	50		5.	
50	60		25.	
60	65		10.	
65	75		5.	
75	85		3.	
85	100		3.	Shine
100	105	Shine	5.	Shine
105	110		3.	Shine
110	115		3.	
115	119		6.	
119	121		15.	
121	125		7.	

Heavy oxidation to 80',
Light oxidation 80 to 100'.

- -

Iowa County

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~~Serial No.~~ 9
Hole No. R-5
Collar Elevation: 1183.3'
Depth of Hole: 134'
Location: Persons

Date completed: 2/13/52
Drilled by: Dodgeville Mn. Co., DMA
Logged by: Broughton
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	15	Clay and Drab
15	92	Drab
92	105	Gray
105	112	Blue
112	122	Brown
122	132	Glassrock
132	134	Trenton

Water table: 55' Medium

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
0	110		Shine (oxidized)	
110	120	Shine	Shine	
120	134		Shine	

~~Serial No. 10~~
Hole No. R-6
Collar Elevation: 1152.7'
Depth of Hole: 111'
Location: Persons

Date completed: 2/27/52
Drilled by: Dodgeville Mn. Co., DMA
Logged by: Broughton
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	5	Missing
5	74	Drab
74	85	Gray
85	93	Blue
93	96	Brown
96	107	Glassrock
107	111	Trenton

Water table: 60' Medium

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
5	40	Shine	Shine (oxidized)	
40	45	1/4	1/2	
45	70	Shine	Shine	
70	85		Shine	
85	90		Shine	Shine
90	100	Shine	Shine	Shine
100	105		Shine	Shine
105	107	Shine	Shine	1/4
107	111	Shine	Shine	Shine

I County
~~Sec. Ref. 257~~

~~Serial No. 21~~
Hole No. R-7
Collar Elevation: 1150.2'
Depth of Hole: 108'
Location: Persons

Date completed: March 1, 1952
Drilled by: Dodgeville Mn. Co., DMA
Logged by: Broughton, U.S.G.S.
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	10	Clay bna Drab
10	70	Drab
70	80	Gray
80	90	Blue
90	93	Brown
93	103	Glass
103	108	Trenton

Water table: 55' Medium

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
0	25		Shine oxidized	
25	40		Shine oxidized	Shine
40	50		Shine	
50	55		Shine	Shine
55	70		Shine	
70	75	Shine	1/4	Shine
75	80		Shine	Shine
80	85		Shine	Shine
85	90		Shine	1/4
90	92½	Shine	Shine	2.
92½	95	Shine	1/2	1/2
95	97½	Shine	Shine	Shine
97½	102		Shine	Shine
102	108	Shine	Shine	Shine

Iowa County
~~See Ref. 257~~

~~Serial No.~~ 12
Hole No. R-8
Collar Elevation: 1147.8'
Depth of Hole: 104'
Location: Persons

Date completed: March 8, 1952
Drilled by: Dodgeville Mn. Co., DMA
Logged by: Broughton, U.S.G.S.
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	10	Clay and Drab
10	68	Drab
68	78	Gray
78	86	Blue
86	90	Brown
90	100	Glass
100	104	Trenton

Water table: 45' Medium

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
0	45		Shine oxidized	
45	75		Shine	Shine
75	80		1/4	Shine
80	85		Shine	Shine
85	90	Shine	1/4	1/4
90	92	Shine	1/4	Shine
92	104	Shine	Shine	Shine

~~Serial No. 13~~
Hole No. R-9
Collar Elevation: 1143.3'
Depth of Hole: 96'
Location: Persons

Date completed: March 11, 1952
Drilled by: Dodgeville Mn. Co., DMA
Logged by: Broughton, U.S.G.S.
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	15	Clay and Drab
15	57	Drab
57	67	Gray
67	77	Blue
77	81	Brown
81	95	Glass
95	96	Trenton

Water table: 45' Medium

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
0	45		Shine oxidized	
45	50		Shine	
50	60		Shine	Shine
60	65	Shine	Shine	Shine
65	67		Shine	Shine
67	77		Shine	Shine +
77	96		Shine	Shine

Iowa County
S[illegible] ~~Ref. 257~~

~~Serial No. 14~~
Hole No. R-10
Collar Elevation: 1136.5'
Depth of Hole: 92'
Location: Persons

Date completed: 5/1/52
Drilled by: Dodgeville Mn.Co., DMA
Logged by: Broughton, U.S.G.S.
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	10	Clay and Drab
10	53	Drab
53	65	Gray
65	72	Blue
72	76	Brown
76	86	Glass
86	92	Trenton

Water table: 35' Heavy

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
0	30		Shine oxidized	
30	35		Shine oxidized	Shine
35	50		Shine oxidized	
50	55		1.	
55	65		2.	
65	70		2.	Shine
70	77½		2.	1.
77½	84		1.	Shine
84	86		2.	Shine
86	88	Shine	3.	Shine
88	90	Shine	2.	1/4
90	92		1.	Shine

~~Serial No. 15~~
Hole No. D-11
Collar Elevation: 1119.8'
Depth of Hole: 77'
Location: Persons

Date completed: 5/3/52
Drilled by: Dodgeville Mn.Co., DMA
Logged by: Broughton, U.S.G.S.
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	10	Clay and Drab
10	37	Drab
37	48	Gray
48	57	Blue
57	61	Brown
61	71	Glass
71	77	Trenton

Water table: 25' Heavy

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
0	20		Shine	
20	25		Shine	Shine
25	30		3.	Shine
30	35	Shine	5.	Shine
35	40	Shine	3.	Shine
40	45	Shine	1.	Shine
45	50		3.	Shine

Continued

Io[illegible] County
~~Se[illegible] Ref. 257~~

~~Serial No.~~ 15
Hole No. D-11 (Continued)
Collar Elevation: 1119.8'
Depth of Hole: 77'
Location: Persons

Date completed: 5/3/52
Drilled by: Dodgeville Mn.Co., DMA
Logged by: Broughton, U.S.G.S.
Type of Drilling: Churn

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
50	55		2.	Shine
55	60	Shine	5.	3.
60	69		2.	Shine
69	71		1.	Shine
71	73		2.	Shine
73	77	Shine	2.	Shine

Oxidized from 0 to 30'

~~Serial No. 16~~
Hole No. D-12
Collar Elevation: 1178.3'
Depth of Hole: 131'
Location: Persons

Date completed: May 8, 1952
Drilled by: Dodgeville Mn.Co., DMA
Logged by: Broughton, U.S.G.S.
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	15	Missing
15	88	Drab
88	100	Gray
100	108	Blue
108	113	Brown
113	115	Glass
115	128	Glass
128	131	Trenton

Water table: 10' Heavy

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
15	35		Shine	
35	40		1.	
40	45		5.	
45	55		8.	
55	60		5.	
60	75		2.	
75	85	Shine	2.	
85	90		2.	
90	95		4.	
95	115	Shine	3.	
115	120		3.	Shine
120	126		3.	
126	128	Shine	6.	
128	131		4.	

Hole oxidized to 85'

[illegible]a County
~~Ser. Ref. 257~~

~~Serial No. 17~~
Hole No. D-13
Collar Elevation: 1183.7'
Depth of Hole: 138'
Location: Persons

Date completed: May 13, 1952
Drilled by: Dodgeville Mn.Co. DMA
Logged by: Broughton, U.S.G.S.
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	15	Missing
15	93	Drab
93	105	Gray
105	118	Blue
118	125	Brown
125	133	Glass
133	138	Trenton

Water table: 70'

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
15	20		Shine	
20	25		Shine	Shine
25	50		Shine	
50	60		4.	
60	75		2.	
75	80		6.	
80	90		10.	
90	100		8.	
100	105		5.	
105	110		10.	
110	120		5.	
120	127½		5.	Shine
127½	132		3.	
132	136		3.	Shine
136	138		5.	
		Hole oxidized to 100'		

~~Serial No. 18~~
Hole No. D-14
Collar Elevation: 1189.1'
Depth of Hole: 143'
Location: Persons

Date completed: May 15, 1952
Drilled by: Dodgeville Mn.Co., DMA
Logged by: Broughton, U.S.G.S.
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	10	Clay and Drab
10	99	Drab
99	110	Gray
110	119	Blue
119	130	Brown
130	141	Glass
141	143	Trenton

Water table: 75'

Continued

Iowa County
~~Serial No. 18~~ ~~Ref. 257~~

Hole No. D-14 (Cont'd)
Collar Elevation: 1189.1'
Depth of Hole: 143'
Location: Persons

Date completed: May 15, 1952
Drilled by: Dodgeville Mn. Co.,DMA
Logged by: Broughton, U.S.G.S.
Type of Drilling: Churn

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
35	50		1.	
50	55		3.	
55	60		10.	
60	65		3.	
65	90		1.	
90	100		15.	Shine
100	105		10.	Shine
105	115		10.	
115	120		10.	Shine
120	125		5.	
125	130		2.	
130	135		3.	
135	140		2.	Shine
140	143		2. Hole oxidized to 125'	

~~Serial No. 19~~

Hole No. D-15
Collar Elevation: 1193.7'
Depth of Hole: 147'
Location: Persons

Date completed: May 26, 1952
Drilled by: Dodgeville Mn.Co.,DMA
Logged by: Broughton, U.S.G.S.
Type of Drilling: Churn

Depth From	Depth To	Lithology
0	10	Clay and Drab
10	110	Drab
110	122	Gray
122	130	Blue
130	135	Brown
135	145	Glass
145	147	Trenton

Water table: 75' Heavy

Depth From	Depth To	Remarks and Estimated Analyses Zn	Fe	Pb
20	40		Shine	
40	70		2.	
70	85		5.	
85	100		5.	Shine
100	105		5.	
105	130		2.	
130	135		5.	
135	140		2.	
140	142		5.	
142	147		2.	

Entire hole oxidized

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : W. A. Broughton

DATE: Nov. 25, 1952

FROM : R. E. Pagel

SUBJECT: DMEA, J. J. Persons, Contract Idm-E168

Enclosed is 1 copy of tracings. Please check and call us as soon as possible Wednesday, Nov. 26, for corrections or go-ahead. Ten copies of the text are enclosed.

I am going to be out of town on Friday, so will run the prints Wednesday afternoon as soon as we hear from you.

Reta

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

Platteville, Wisconsin
DATE: November 18, 1952

TO : Miss Reimann

FROM : W. A. Broughton

SUBJECT: John J. Persons Report IDM-168

Enclosed is one copy of the John J. Persons final geologic report. This is another rush job. I am hoping that you can look over this copy of the report before Friday of this week since I expect to be in Madison some time Firday morning or around noon and will bring one other copy of the report and the illustrations with me. This procedure might facilitate things by giving us the opportunity to goxx over your suggestions together and will also give me a chance to answer any questions that Rita might have on the illustrations.

WAB:dlk

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Platteville, Wisconsin

September 16, 1952

Mr. Bill Singer
Dodgeville Mining Co.
Dodgeville, Wisconsin

Dear Mr. Singer:

I have only 1 assay report on the Persons drilling. Several of the holes showed appreciable lead. Is it possible that you had any of them assayed? If so, could you please send me the results of this assaying. If hole # 2 was the only 1 assayed would you please inform me of the fact.

Very truly yours,

W. A. Broughton

WAB:dlw

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

Region V
2900 Colfax Avenue South
Minneapolis 8, Minnesota

August 18, 1952

Memorandum

To: Operating Committee, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, Field Team, Region V

Subject: Operator's Monthly Progress Report for May 1952 (Final)
Docket DMA-1[illegible]2x, Contract Idm-H168 (Parsons Lease)
Dodgeville Mining Co.

Here are two copies of the final voucher as processed for payment, which is in accord with the final audit made by Auditor Hull on July 18, 1952, a copy of which we suppose you have received by now.

We have received the company final geological and engineering report, but the Government report is not quite ready. We will submit our report and the company report together with a transmittal letter advising money spent and balances available in a short time.

A. B. Needham
Executive Officer
Field Team, Region V

Attachments

ABNeedham:dg
cc Dutton
Grosh
Broughton
Hill
Region V
files
df

John J. Persons Lease — D.M.A. 1562X
Geologic and Engineering Report

Location of Lease: This lease covers property located in the Town of Dodgeville about four miles southwest of the city of Dodgeville, Iowa County, Wisconsin, in an area heavily mined for lead in the early days. The leased lands are more specifically described as the north half of the southwest quarter of Section Five, Township Five North, Range Three East, Iowa County, Wisconsin.

History of Exploration Project: The contract was entered into with the government on October 2, 1951. Prior to this date in 1948 and 1949 the company, Dodgeville Mining Company, had drilled five holes on the lease. One of these holes showed shines of lead under the glass rock. Another showed shines of both lead and zinc under the glass rock.

Churn drilling under the contract began on January 21, 1952 and continued as weather permitted until the project was completed on June 3, 1952. During this period sixteen holes were drilled namely R-1 to R-9 inclusive, and D-10 to D-16 inclusive. D-16 was drilled by the company on its own and does not come under the contract.

Drilling was done in consultation with representatives of the Bureau of Mines and Geological Survey, Platteville, Wisconsin. Little evidence of mineralization was found of either zinc or lead. The only hole considered worthy of assay was R-2 which showed 0.20 percent of zinc for a five-foot run in the brown or oil rock beginning at a depth of 110 feet.

Monthly reports were made during the drilling period which included detailed maps, drill hole logs and assay reports on holes assayed.

Object of Drilling Program: The object of the drilling program was to explore the possibility of an east and west run of zinc and lead ore below the glass rock lying along an old east and west lead run mined out in former years.

Holes R-1 to R-5 inclusive were drilled in the neighborhood of an old abandoned shaft, as shown on the map by Ottensman and Dixon accompanying this report. The purpose of these holes was to supplement drilling formerly done by the company (1, 2 and 3 as shown on the map) in an attempt to locate a mineralized area.

Holes R-6 to R-11 inclusive and D-12 to D-16 inclusive were drilled to supplement drilling formerly done by the company on another lease (holes 5 to 8 inclusive and 101 to 104 inclusive as shown on the accompanying map) in an attempt to locate a mineralized area by again cross cutting the old lead range at another location.

Description of Area Drilled: The general geology of the area is common to other areas in southwestern Wisconsin having zinc deposits, these having been frequently described in many publications, government and otherwise, dealing with the upper Mississippi lead and zinc field.

The immediate area drilled has a surface covering of from two to seven feet of clay. Below the clay lies a strata of dolomite or drab commonly called sand rock of a thickness of from 30 to 100 feet. Immediately below the sand rock in the following order lie stratas of gray lime, blue lime and brown or oil rock, each approximating from eight to ten feet in thickness. Immediately below the brown or oil rock will be found a layer of so-called "glass rock" that averages about ten feet in thickness. It was expected that if an ore body was found it would be found of a "sheet" type just below the glass rock.

Drilling Results and Conclusion: The net result of the drilling was a failure to locate a mineralized area. Accordingly no estimate of an ore reserve can be made.

July 8, 1952

/s/ James J. McDonald

General Partner, Dodgeville
Mining Company.

Jan - Feb 4565

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME John Persons HOLE NO. R-1

LOCATION OF HOLE 100 ft. North of the Northwest corner of the wooded area on the ridge.

0	TO	4	CLAY
4	TO	93	SAND ROCK
93	TO	105	GRAY LIME
105	TO	113	BLUE LIME
113	TO	123	BROWN ROCK
123	TO	133	GLASS ROCK
133	TO	135	
	TO		
	TO		
	TO		
	TO		
	TO		

REMARKS

Shines of lead in the sand rock and in brown rock.
Light sulphur in glass rock. Glass rock light in color.

Struck an opening at 70 ft.

El. - 1189.8

TOTAL DEPTH OF HOLE 135 ft; DEPTH WATER STRUCK 60 ft.;

TYPE OF WATER - HEAVY ☒ MEDIUM ☐ WEAK ☐

DATE STARTED Jan. 21 1952; DATE FIN. Jan. 25 1952

LABOR 75.00

ASSAY REPORT

ZINC _____ LEAD _____ SULPHUR _____

SIGNED Holman & Rickard

DATE Jan. 25th, 1952

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME Persons HOLE NO. R-2

LOCATION OF HOLE 130' NE of Hole R-1

0	TO	4	CLAY
4	TO	93	SAND ROCK
93	TO	103	GRAY LIME
103	TO	111	BLUE LIME
111	TO	119	BROWN ROCK
119	TO	129	GLASS ROCK
129	TO	131	Trenton
	TO		
	TO		
	TO		
	TO		
	TO		

REMARKS

A few shines of zinc in Brown rock.

Light sulphur at bottom of glass rock.

El. 1186.5

TOTAL DEPTH OF HOLE 131' ; DEPTH WATER STRUCK 55 ;

TYPE OF WATER - HEAVY ☐ MEDIUM ☒ WEAK ☐

DATE STARTED Jan. 31 1952 ; DATE FIN. Feb. 5 1952

LABOR 70.00

ASSAY REPORT

ZINC 110-115 0.20% LEAD SULPHUR

SIGNED Holman & Rickard

DATE Feb. 5th, 1952

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME Persons HOLE NO. R-3

LOCATION OF HOLE 100 feet North of R-2

REMARKS

0 TO 5 CLAY

5 TO 85 SAND ROCK

85 TO 95 GRAY LIME

95 TO 103 BLUE LIME

103 TO 111 BROWN ROCK

111 TO 121 GLASS ROCK

121 TO 125 Trenton Lime

Heavy sulphur at bottom of glass rock.

TO

TO

TO

TO

TO

TOTAL DEPTH OF HOLE 125 ; DEPTH WATER STRUCK 50 ;

TYPE OF WATER - HEAVY ☐ MEDIUM ☐ WEAK ☐

DATE STARTED May 29 1952 ; DATE FIN. June 3 1952

LABOR 50.00

ASSAY REPORT

ZINC LEAD SULPHUR

SIGNED Holman & Rickard

DATE June 3, 1952

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

DMA 4

LESSOR'S NAME Persons HOLE NO. ~~R-3~~

LOCATION OF HOLE 75 ft. South of Southeast corner of little patch of woods and digging holes.

REMARKS

Blank

0 TO 5 CLAY

5 TO 98 SAND ROCK

98 TO 109 GRAY LIME

109 TO 117 BLUE LIME

117 TO 125 BROWN ROCK

125 TO 135 GLASS ROCK

135 TO 137 Trenton

____ TO ____

____ TO ____

____ TO ____

____ TO ____

____ TO ____

El. 1187.4

TOTAL DEPTH OF HOLE 137 ; DEPTH WATER STRUCK 55 ;

TYPE OF WATER - HEAVY ☐ MEDIUM ☐ WEAK ☐

DATE STARTED Feb. 6 1952 ; DATE FIN. Feb. 9 1952

LABOR 50.00

ASSAY REPORT

ZINC _____ LEAD _____ SULPHUR _____

SIGNED Holman & Rickard

DATE Feb. 9, 1952

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

DMA-5

LESSOR'S NAME Persons HOLE NO. ~~R-4~~

LOCATION OF HOLE 81 ft. South of R-4

REMARKS

Light sulphur and a shine of zinc under glass rock.

0 TO 5 CLAY

5 TO 96 SAND ROCK

96 TO 106 GRAY LIME

106 TO 114 BLUE LIME

114 TO 122 BROWN ROCK

122 TO 132 GLASS ROCK

132 TO 134 Trenton

____ TO ____

____ TO ____

____ TO ____

____ TO ____

____ TO ____

El. 1183.3

TOTAL DEPTH OF HOLE 134 ; DEPTH WATER STRUCK 55 ;

TYPE OF WATER - HEAVY ☐ MEDIUM ☒ WEAK ☐

DATE STARTED Feb. 9 195 2; DATE FIN. Feb. 13 195 2

LABOR 50.00

ASSAY REPORT

ZINC ____ LEAD ____ SULPHUR ____

SIGNED Holman & Rickard

DATE ____

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

DMA 6

LESSOR'S NAME Persons HOLE NO. ~~R-6~~

LOCATION OF HOLE 60 ft. East of town road and 35 ft. south of each-west fence or across the road from the timber full of digging holes.

0	TO		CLAY
	TO	75	SAND ROCK
75	TO	85	GRAY LIME
85	TO	90	BLUE LIME
90	TO	98	BROWN ROCK
98	TO	107	GLASS ROCK
107	TO	111	Trenton
	TO		
	TO		
	TO		
	TO		
	TO		

REMARKS

Sulphur down through the glass rock.
Good shines of lead and very light shines of zinc at the bottom of glass rock 105-107 ft.

TOTAL DEPTH OF HOLE 111 ft.; DEPTH WATER STRUCK 60 ft.;

TYPE OF WATER - HEAVY ☐ MEDIUM, ☒ WEAK ☐

DATE STARTED Feb. 14 195 2; DATE FIN. Feb. 27 195 2

LABOR 60.00

ASSAY REPORT

ZINC _____ LEAD _____ SULPHUR _____

SIGNED Holman & Rickard

DATE Feb. 27, 1952

U.S.G.S

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME Persons HOLE NO. R-7

LOCATION OF HOLE 60 ft. North of R-6

0	TO	2	CLAY
2	TO	72	SAND ROCK
72	TO	82	GRAY LIME
82	TO	88	BLUE LIME
88	TO	95	BROWN ROCK
95	TO	105	GLASS ROCK
105	TO	108	Trenton
	TO		
	TO		
	TO		
	TO		
	TO		

REMARKS

Fair shines of lead in the brown rock.

TOTAL DEPTH OF HOLE 108 ft. ; DEPTH WATER STRUCK ~~55 ft.~~ ;

TYPE OF WATER - HEAVY ☐ MEDIUM ☒ WEAK ☐

DATE STARTED Feb. 28th 1952 ; DATE FIN. March 1st 1952

LABOR 40.00

ASSAY REPORT

ZINC _____ LEAD _____ SULPHUR _____

SIGNED Holman & Rickard

DATE March 1st, 1952

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME Persons HOLE NO. R-8

LOCATION OF HOLE 60 ft. North of R-7

REMARKS

0 TO 3 CLAY

3 TO 68 SAND ROCK

68 TO 78 GRAY LIME

78 TO 84 BLUE LIME

84 TO 90 BROWN ROCK

90 TO 100 GLASS ROCK

100 TO 104 Trenton

Light shines of lead in oil rock.

TO

TO

TO

TO

TO

TOTAL DEPTH OF HOLE 104 ft.; DEPTH WATER STRUCK 45 ft.;

TYPE OF WATER - HEAVY ☐ MEDIUM ☒ WEAK ☐

DATE STARTED March 1st 1952; DATE FIN. March 8 1952

LABOR

ASSAY REPORT

ZINC LEAD SULPHUR

SIGNED Holman & Rickard

DATE March 8th 1952

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME Persons HOLE NO. R-9

LOCATION OF HOLE 60 ft. North of R-8

0	TO	2	CLAY
2	TO	64	SAND ROCK
64	TO	74	GRAY LIME
74	TO	79	BLUE LIME
79	TO	85	BROWN ROCK
85	TO	94	GLASS ROCK
94	TO	96	Trenton
	TO		
	TO		
	TO		
	TO		
	TO		

REMARKS

Light shines of lead in the brown rock & glass rock.

TOTAL DEPTH OF HOLE 96 ft.; DEPTH WATER STRUCK 45 ft.;

TYPE OF WATER - HEAVY ☐ MEDIUM ☒ WEAK ☐

DATE STARTED March 8 195 2; DATE FIN. March 11 1952

LABOR 50.00

ASSAY REPORT

ZINC _____ LEAD _____ SULPHUR _____

SIGNED Holman & Rickard

DATE March 11th 1952

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME Persons HOLE NO. D-10

LOCATION OF HOLE 50 ft. North of hole R-9, 60 ft. East of road

			REMARKS
0	TO 7 ~~0~~	CLAY	
7	TO 50	SAND ROCK	Sulphur in grey rock.
50	TO 60	GRAY LIME	Lead in brown rock.
60	TO 68	BLUE LIME	
68	TO 76	BROWN ROCK	
76	TO 86	GLASS ROCK	
86	TO 92	Trenton	
	TO		
	TO		
	TO		
	TO		
	TO		

TOTAL DEPTH OF HOLE 92 ; DEPTH WATER STRUCK 35 ;

TYPE OF WATER - HEAVY [X] MEDIUM [ ] WEAK [ ]

DATE STARTED 4-29 1952 ; DATE FIN. 5-1 1952

LABOR 30.00

ASSAY REPORT

ZINC _____ LEAD _____ SULPHUR _____

SIGNED Dalen Rickard

DATE 5-1-52

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME Persons HOLE NO. D-11

LOCATION OF HOLE 60 ft. North of hole D-10

60 ft. East of road

REMARKS

Sulphur & zinc at 35 ft.

0 TO 5 CLAY

5 TO 38 SAND ROCK

38 TO 48 GRAY LIME

48 TO 54 BLUE LIME

54 TO 61 BROWN ROCK

61 TO 71 GLASS ROCK

71 TO 77 Trenton

TO

TO

TO

TO

TO

TOTAL DEPTH OF HOLE 77 ; DEPTH WATER STRUCK 25 ;

TYPE OF WATER - HEAVY [x] MEDIUM [ ] WEAK [ ]

DATE STARTED 5-2 1952 ; DATE FIN. 5-3 1952

LABOR 20.00

ASSAY REPORT

ZINC LEAD SULPHUR

SIGNED Dalen Rickard

DATE 5-3-52

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME Persons HOLE NO. D-12

LOCATION OF HOLE 150 ft. South of the line of digging holes across from the Miller timber

0	TO	5	CLAY
5	TO	92	SAND ROCK
92	TO	102	GRAY LIME
102	TO	110	BLUE LIME
110	TO	118	BROWN ROCK
118	TO	128	GLASS ROCK
128	TO	131	
	TO		
	TO		
	TO		
	TO		
	TO		

REMARKS

Heavy sulphur & tiff at the bottom of the glass rock.

TOTAL DEPTH OF HOLE 131 ft.; DEPTH WATER STRUCK 10 ft.;

TYPE OF WATER - HEAVY [X] MEDIUM [ ] WEAK [ ]

DATE STARTED May 5th 1952; DATE FIN. May 8 1952

LABOR 60.00

ASSAY REPORT

ZINC _____ LEAD _____ SULPHUR _____

SIGNED Holman & Rickard

DATE May 8, 1952

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME Persons HOLE NO. D-13

LOCATION OF HOLE 50 ft. South of D-12

0	TO	6	CLAY
6	TO	98	SAND ROCK
98	TO	108	GRAY LIME
108	TO	116	BLUE LIME
116	TO	124	BROWN ROCK
124	TO	134	GLASS ROCK
134	TO	138	Trenton
	TO		
	TO		
	TO		
	TO		
	TO		

REMARKS

Heavy sulphur in the blue & brown rock.

Light sulphur at the bottom of the glass rock.

TOTAL DEPTH OF HOLE 138 ft.; DEPTH WATER STRUCK 60 ft. ;

TYPE OF WATER - HEAVY ☐ MEDIUM ☐ WEAK ☐

DATE STARTED May 8th 1952 ; DATE FIN. May 13 1952

LABOR 60.00

ASSAY REPORT

ZINC _____ LEAD _____ SULPHUR _____

SIGNED Holman & Rickard

DATE May 13th 1952

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME Persons HOLE NO. D-14

LOCATION OF HOLE 50 ft. South of D-13

0	TO	4	CLAY
4	TO	108	SAND ROCK
108	TO	118	GRAY LIME
118	TO	124	BLUE LIME
124	TO	131	BROWN ROCK
131	TO	141	GLASS ROCK
141	TO	143	Trenton
	TO		
	TO		
	TO		
	TO		
	TO		

REMARKS

Blank

Opening between 80 and 90 ft. Heavy sulphur and fine sand caved in.

TOTAL DEPTH OF HOLE 143 ft.; DEPTH WATER STRUCK 75 ft.;

TYPE OF WATER - HEAVY ☐ MEDIUM ☐ WEAK ☐

DATE STARTED May 13th 1952; DATE FIN. May 15th 1952

LABOR 40.00

ASSAY REPORT

ZINC _____ LEAD _____ SULPHUR _____

SIGNED Holman & Rickard

DATE May 15th 1952

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME Persons HOLE NO. D-15

LOCATION OF HOLE 50 ft. South of D-14

0	TO	5	CLAY
5	TO	108	SAND ROCK
108	TO	118	GRAY LIME
118	TO	126	BLUE LIME
126	TO	134	BROWN ROCK
134	TO	144	GLASS ROCK
144	TO	147	Trenton
	TO		
	TO		
	TO		
	TO		
	TO		

REMARKS

Light zinc at the bottom of the glass rock.

Broken ground and crevices. Had to put casing down to 90 ft.

$30.00 for reaming & casing

TOTAL DEPTH OF HOLE 147 ; DEPTH WATER STRUCK 75 ft.;

TYPE OF WATER - HEAVY [X] MEDIUM [ ] WEAK [ ]

DATE STARTED May 15th 1952 ; DATE FIN. May 26 1952

LABOR 100.00

ASSAY REPORT

ZINC _____ LEAD _____ SULPHUR _____

SIGNED Holman & Rickard

DATE May 26th 1952

DODGEVILLE MINING COMPANY
DRILL HOLE RECORDS

LESSOR'S NAME Persons HOLE NO. D-16

LOCATION OF HOLE 27 ft. South of D-15

0	TO	5	CLAY
5	TO	~~110~~ 111	SAND ROCK
111	TO	121	GRAY LIME
121	TO	129	BLUE LIME
129	TO	137	BROWN ROCK
~~137~~ 137	TO	147	GLASS ROCK
147	TO	150	Trenton
	TO		
	TO		
	TO		
	TO		
	TO		

REMARKS

Shines of zinc at 80 ft. and medium sulphur.
Blank at the bottom of the glass rock.

TOTAL DEPTH OF HOLE 150 ; DEPTH WATER STRUCK 80 ;

TYPE OF WATER - HEAVY [X] MEDIUM [ ] WEAK [ ]

DATE STARTED May 26 1952 ; DATE FIN. May 28 1952

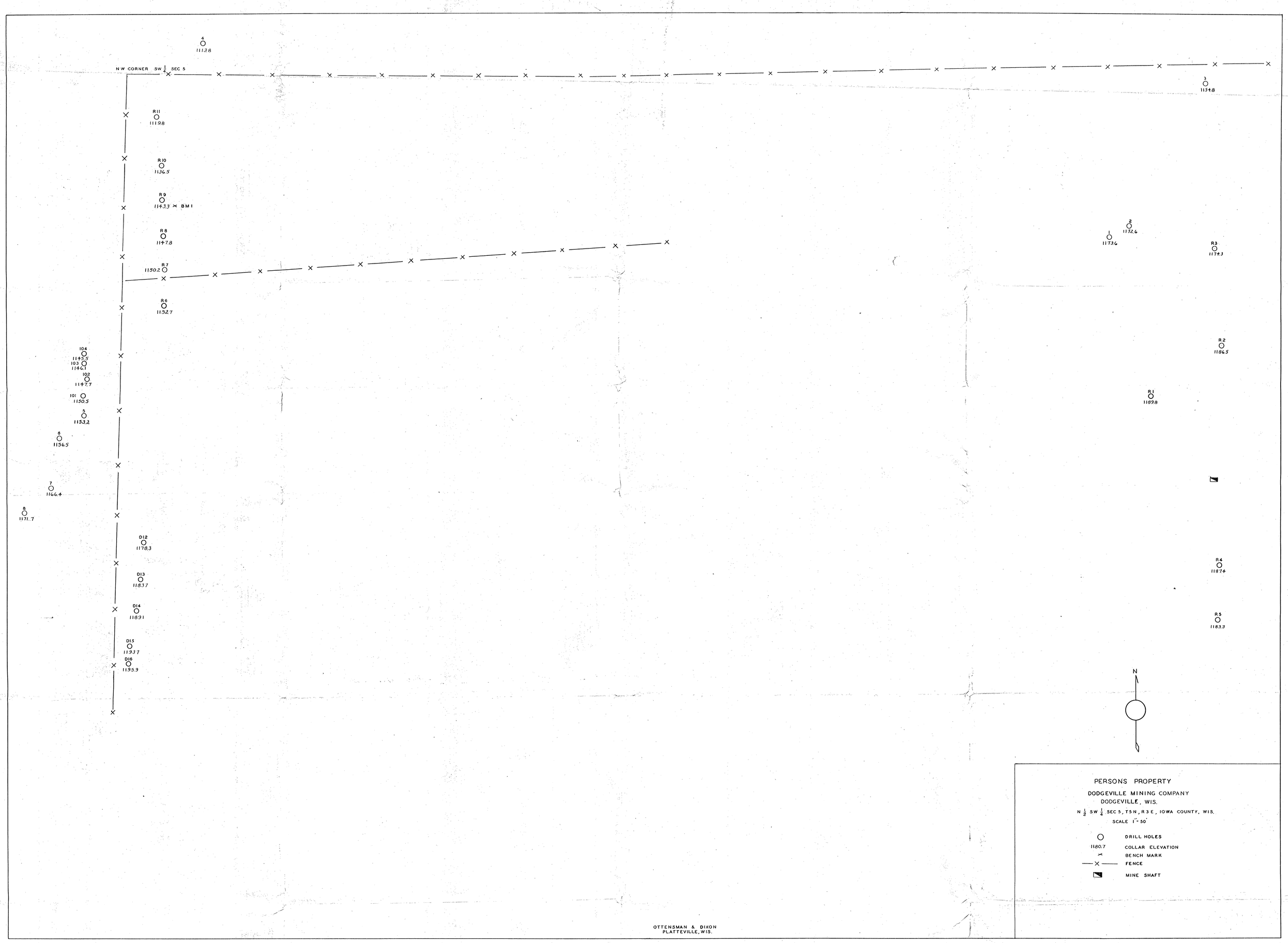
LABOR 60.00

ASSAY REPORT

ZINC _____ LEAD _____ SULPHUR _____

SIGNED Holman & Rickard

DATE May 28th 1952

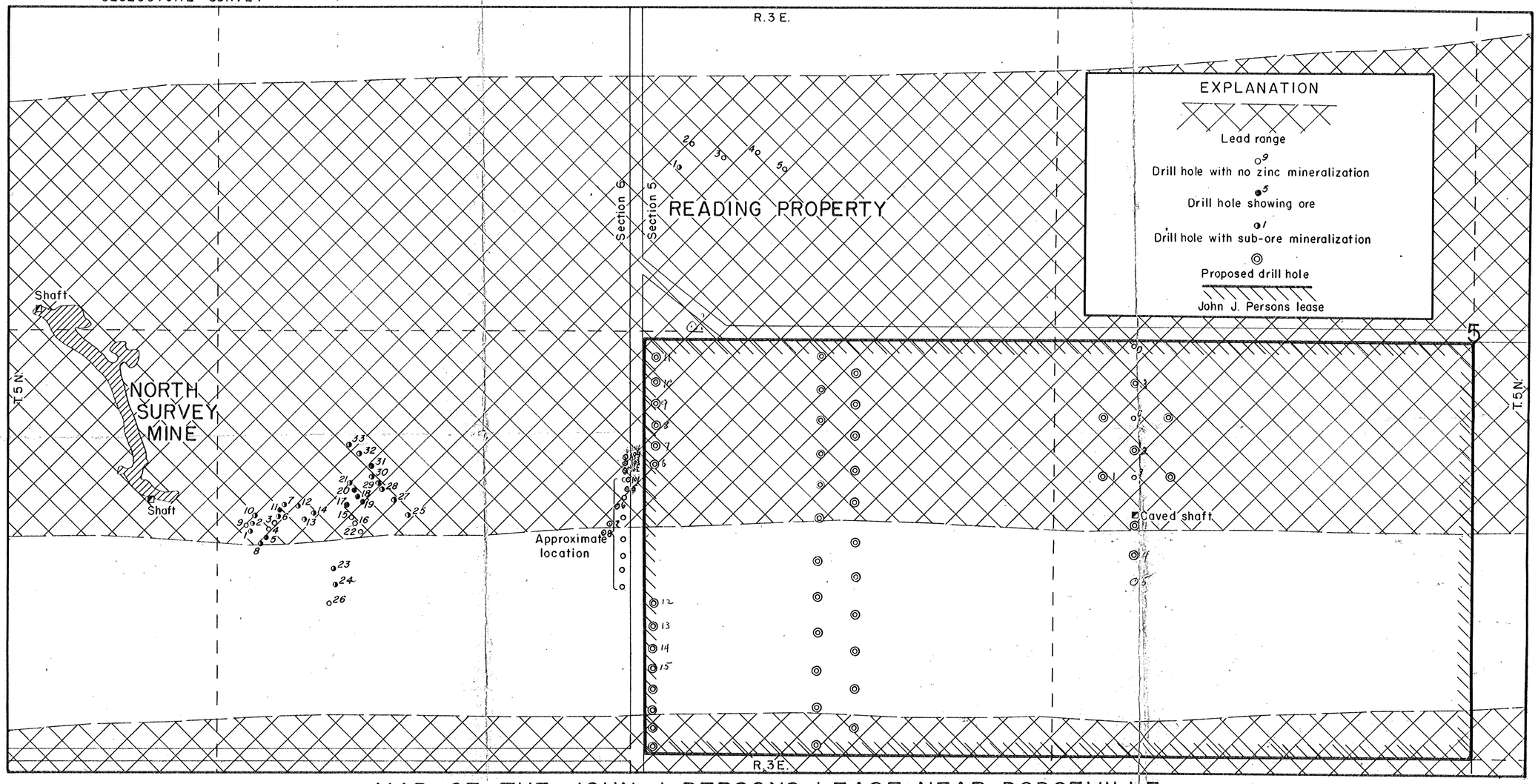


OTTENSMAN & DIXON
PLATTEVILLE, WIS.

May Final

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PLATE I



MAP OF THE JOHN J. PERSONS LEASE NEAR DODGEVILLE
IOWA COUNTY, WISCONSIN

200 0 200 400 600 Feet
SCALE

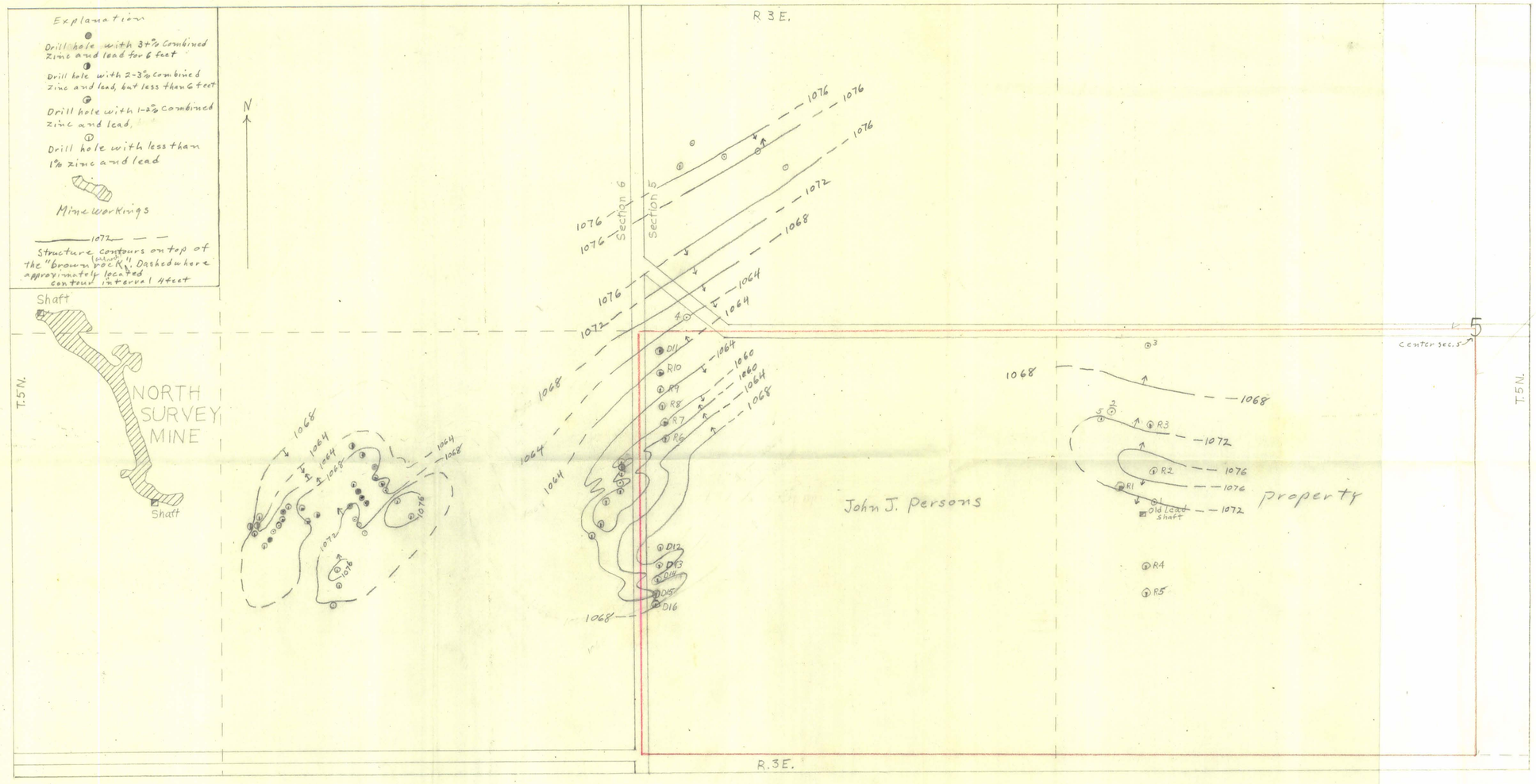
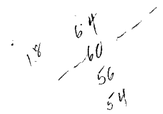


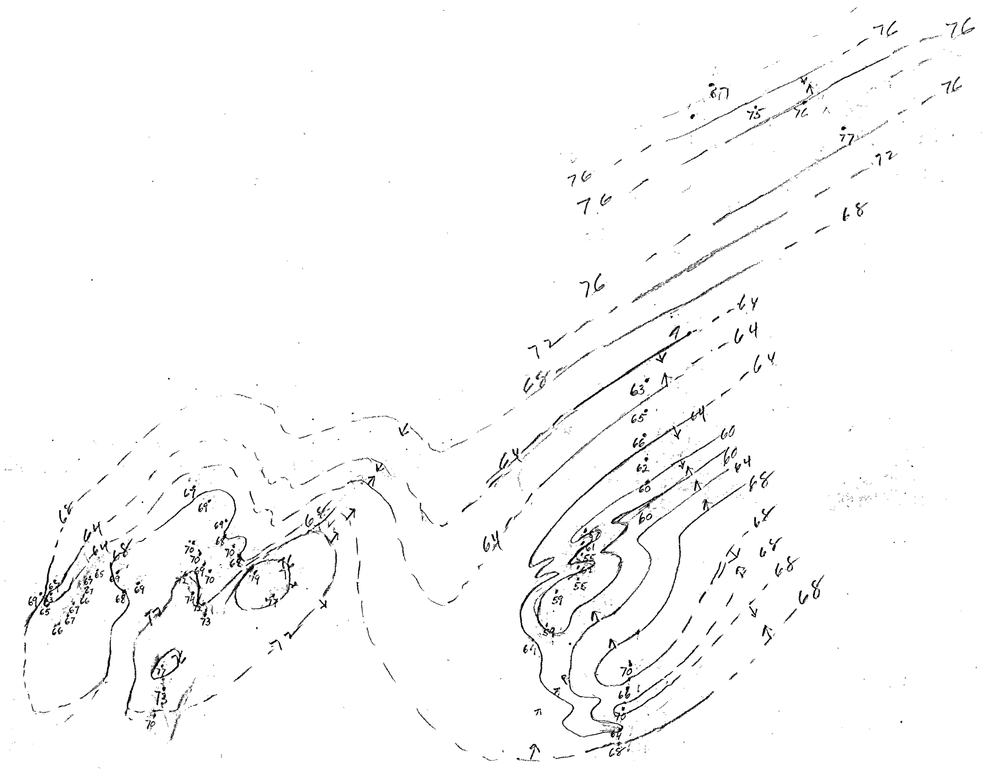
Plate 1

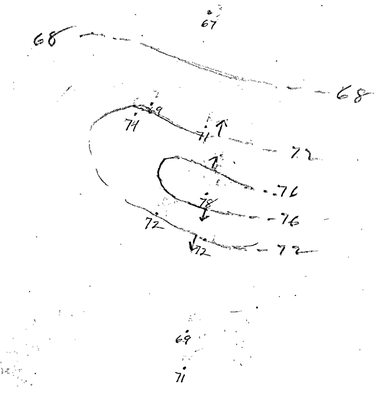
Map of the John J. Persons Area
Showing Drill Holes and Structure Contours
Iowa County, Wisconsin

0 200 400 600 feet
Scale

This is merely a property line. Show it any-way you think best.

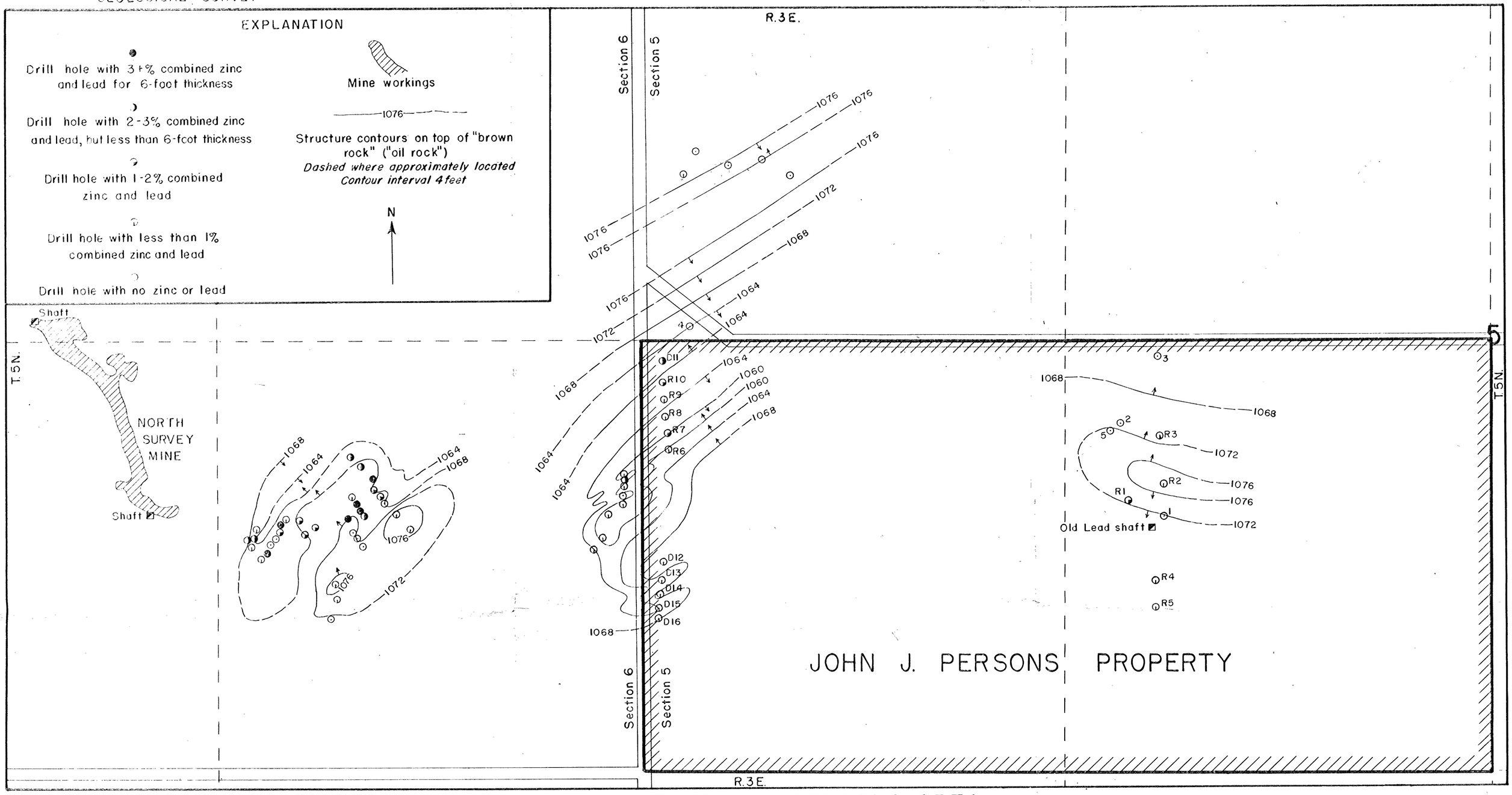

64
60
56
54


76
76
76
76
76
76
72
68
64
64
64
68
68
72


68
68
72
76
76
72
72

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PLATE I



MAP OF THE JOHN J. PERSONS AREA SHOWING DRILL HOLES AND STRUCTURE CONTOURS

IOWA COUNTY, WISCONSIN

200 0 200 400 600 Feet
SCALE