STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A-1

Land Four Corners Cecil Allen

Section ..... Twp. ..... Range ..... Sea Level Elev. .....
(SEE LOCATION ON BACK OF SHEET)

Drilled by John Hayes Helper Alvie Brewer

Water struck at 40 Ft. Stands at 40 Ft. Hole started 5/17/51 Completed 5/18/51

Casing used ..... Ft. 8¼" ..... Ft. 6¼" ..... Ft. 4⅞" Left in hole .....

From	To		FORMATION
2	10	ft.	Orange clay, white light gray flint, some brown flint
10	15	"	Yellow clay, white light gray flint, some brown flint
15	32½	"	White light gray and blue flint, dark blue shale
32½	37½	"	White, light gray, and blue flint, dark blue shale iron ore
37½	45	"	Light & dark gray flint, light & dark blue flint, dark blue shale, lead and zinc shines
45	52½	"	Light & dark blue flint, white & light gray flint, traces lead & zinc, light blue shale
52½	70	"	Light & dark blue flint, light & dark grey flint, light grey shale
70	75	"	Light and blue flint, light gray lime

Samples: Hole A-1

	ZnS	PbS
37½-40	0.60	0.34
40-42½	0.63	0.40
42½-45	0.30	0.43
45-47½	0.45	0.38
47½-50	0.51	0.18
50-52½	0.51	0.26

Approved By .....

Driller Contractor John Hayes

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A-4

Land: Four Corners Cecil Allen

Section: Twp.: Range: Sea Level Elev.:
(SEE LOCATION ON BACK OF SHEET)

Drilled by: C. L. Luke Helper: Carl Belk

Water struck at: 45 Ft. Stands at: 25 Ft. Hole started: 5/16/51 Completed: 5/18/51

Casing used: Ft. 8¼" Ft. 6¼" Ft. 4⅞" Left in hole:

From	To		FORMATION
0	5	ft.	Soil, clay, and creek gravel
5	15	"	Flint and yellow clay, creek gravel, some sandstone
15	20	"	Gray shale and some sandstone
20	25	"	Gray shale and lots of iron
25	40	"	Black shale and lots of iron
40	45	"	Black shale, some blue flint and lots of iron
45	50	"	Blue and gray flint, iron
50	55	"	Blue, gray, and speckled flint, iron
55	60	"	Blue and gray flint, soft gray lime, iron

Approved By: Driller Contractor: C. L. Luke

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A-5

Land Cecil Allen Land

Section _____ Twp. _____ Range _____ Sea Level Elev. _____
(SEE LOCATION ON BACK OF SHEET)

Drilled by O.L. Luke Helper Carl Bolk

Water struck at 20 Ft. Stands at 20 Ft. Hole started May 18'51 Completed May 21'51

Casing used _____ Ft. 8¼" _____ Ft. 6¼" _____ Ft. 4⅞" Left in hole _____

From	To	FORMATION
0	5	Soil and yellow clay.
5	15	Yellow clay.
15	20	Yellow clay, Sandstone
20	25	Yellow clay and sandstone, lime boulders.
25	30	Soapstone, Sandstone and lime boulders.
30	35	Soapstone, Sandstone and iron.
35	50	Soapstone, Sandstone and iron.
50	53	Soapstone, iron and lime.

Approved By _____ Driller Contractor Tri State Drilling Co., Inc.

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A-6

Land Cecil Allen Land

Section _____ Twp. _____ Range _____ Sea Level Elev. _____
(SEE LOCATION ON BACK OF SHEET)

Drilled by John Hayes Helper Alvie Brewer

Water struck at 50 Ft. Stands at 35 Ft. Hole started May 19'51 Completed May 22'51

Casing used _____ Ft. 8¼" _____ Ft. 6¼" _____ Ft. 4⅞" Left in hole _____

From	To	FORMATION
0	15	Yellow clay, Brown sandstone Boulders.
15	47½	Dark Blue shale, Light and dark blue flint. Lots of iron ore.
47½	50	Hard light and dark blue flint. Light brown sugar lime.
50	55	Hard white light and dark blue flint.
55	75	Light and dark blue flint, and light brown flint. Ground very loose.
	75	Very hard ground.

Approved By _____ Driller Contractor Tri State Drilling Co., Inc.

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STANDARD MINING CORPORATION

DRILL RECORD

Cecil Allen Land

HOLE No.

Land

Section (SEE LOCATION ON BACK OF SHEET) Twp. Range Sea Level Elev.

Drilled by 40 40 Helper Carl Zelk

Water struck at Ft. Stands at Ft. Hole started May 21'51 Completed May 24'51

Casing used Ft. 8¼" Ft. 6¼" Ft. 4⅞" Left in hole

From	To	FORMATION
0	10	Light yellow clay and creek gravel.
10	30	Gray soapstone.
30	35	Gray soapstone and iron.
35	50	Blue and gray flint and iron
50	55	Blue and gray flint and good zinc.
55	60	Gray and white flint, zinc shines
60	66	Gray and white flint, zinc ~~[illegible]~~ traces.

Approved By

Driller Contractor Tri State Drilling Co., Inc.

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A-8

Land: Cecil Allen Land

Section: Twp.: Range: Sea Level Elev.:
(SEE LOCATION ON BACK OF SHEET)

Drilled by: John Hayes Helper: Alvie Brewer

Water struck at 55 Ft. Stands at 40 Ft. Hole started May 23'51 Completed May 23'51

Casing used Ft. 8¼" Ft. 6¼" Ft. 4⅞" Left in hole

From	To	FORMATION
0	10	Orange yellow and white clay.
10	25	Dark blue shale, white and grey flint, iron ore.
25	31	Brown sugar lime.
31	57½	White light gray and blue flint, very hard.
57½	60	Light and dark blue flint, traces of lead.
60	75	White light gray and blue flint, very hard.

Approved By

Driller Contractor Tri State Drilling Co., Inc

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A-9

Land Cecil Allen Land

Section ..... Twp. ..... Range ..... Sea Level Elev. .....
(SEE LOCATION ON BACK OF SHEET)

Drilled by John Hayes Helper Alvie Brown

Water struck at 55 Ft. Stands at 40 Ft. Hole started May 24 '51 Completed May 25 '51

Casing used ..... Ft. 8¼" ..... Ft. 6¼" ..... Ft. 4⅞" Left in hole .....

From	To	FORMATION
0	15	Light yellow clay
15	25	Yellow clay, Brownsand Rock.
25	30	Blue shale
30	35	Blue shale, traces zinc.
35	40	Light blue and light gray flint.
40	45	Light and dark blue flint, traces of lead.
45	55	Light gray and white flint.
55	66	Light gray, white and light blue flint. Some gray lime.

Approved By .....

Driller Contractor Tri State Drilling Co. Inc

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A 10

Land: Four Corners- Allen

Section: Twp.: Range: Sea Level Elev.:
(SEE LOCATION ON BACK OF SHEET)

Drilled by: C. L. Luke Helper: Carl Belk

Water struck at: 40 Ft. Stands at: 40 Ft. Hole started: May 25 Completed: May 28

Casing used: Ft. 8¼" Ft. 6¼" Ft. 4⅞" Left in hole:

From	To		FORMATION
0	10	ft.	soil & yellow clay
10	15	"	gray soapstone & creek gravel
15	25	"	dark gray soapstone
25	30	"	" " " " blue & gray flt. iron
30	40	"	blue & gray flt. iron,
40	50	"	" " & blak flt. iron

Approved By:

Driller Contractor: C. L. Luke

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STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A 11

Land: Four Corners - Cecil Allen

Section: Twp.: Range: Sea Level Elev.:
(SEE LOCATION ON BACK OF SHEET)

Drilled by: John Hayes Helper: Alvie Brewer

Water struck at: no water Ft. Stands at: Ft. Hole started: 5-26-51 Completed: 5-26-51

Casing used: Ft. 8¼" Ft. 6¼" Ft. 4⅞" Left in hole:

From	To		FORMATION
0	5	ft.	yellow clay
5	29	"	blue shale
29	32½	"	hard light blue and gray flint, traces lead
32½	45	"	light and dark grey and white brown flint very loose ground
45	57	"	white and light grey flint very hard

Approved By:

Driller Contractor: John Hayes

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STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A 12

Land: Four Corners - Allen

Section: _____ Twp. _____ Range _____ Sea Level Elev. _____
(SEE LOCATION ON BACK OF SHEET)

Drilled by: John Hayes Helper: Alvie Brewer

Water struck at 60 Ft. Stands at 40 Ft. Hole started 5-28-51 Completed 5-28-51

Casing used _____ Ft. 8¼" _____ Ft. 6¼" _____ Ft. 4⅞" Left in hole _____

From	To	FORMATION
0	15	ft. yellow clay
15	20	" yellow clay, brown sand rock, lead shines
20	25	" light grey shale, traces lead
25	40	" light grey shale
40	42½	" light grey shale, blue lime, lead shines
42½	57½	" grey and blue shale, - white, gray, and light blue flint, traces lead
57½	60	" white, grey and light blue flint, traces zinc, blue shale
60	65	" dark blue shale, light grey white and light blue flint zinc shines
65	75	" light and dark blue flint, white and gray flint few zinc shines

Samples: A 12

	ZnS	PbS
15-17½	0.72	2.66
17½-20	0.33	1.31
20-22½	0.57	0.80
22½-25	0.36	0.76
[illegible]-42½	0.69	0.46
42½-45	1.02	0.48
45-47½	0.57	0.38
47½-50	0.60	0.38
50-52½	0.90	0.18
52½-55	0.42	0.08
55-57½	0.78	0.13
57½-60	1.11	0.02
60-62½	0.75	0.04
62½-65	0.81	0.04
65-70	0.78	0.09
70-75	0.84	0.07

Approved By _____ Driller Contractor John Hayes

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STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A 13

Land Allen (Four Corners)

Section ..... Twp. ..... Range ..... Sea Level Elev. .....
(SEE LOCATION ON BACK OF SHEET)

Drilled by C. L. Luke Helper Carl Belk

Water struck at 70 Ft. Stands at 50 Ft. Hole started May 28 Completed 29

Casing used ..... Ft. 8¼" ..... Ft. 6¼" ..... Ft. 4⅞" Left in hole .....

From	To	FORMATION
0	10	ft. fill soil & yellow clay
10	15	" yellow clay
15	20	" light gray soapstone some blue flt.
20	30	" dark gray soapstone & iron
30	45	" black soapstone, blue & gray flt. iron
45	50	" " " " " " "
		lead shines
50	55	" black soapstone, blue & gray flt. iron, lead
55	70	" blue flt. gray selvage, iron, lead & zinc, & lime iron,
		lead & zinc shines

Samples: A-13

	ZnS	PbS
50-55	0.57	1.70
55-57½	1.80	1.55
57½-60	1.72	1.83
60-62½	3.63	4.44
62½-65	2.25	3.55
65-67½	0.81	0.87
67½-70	2.97	7.68
70-75	1.11	1.63

Approved By ..... Driller Contractor C. L. Luke

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STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A 14

Land Four Corners - Allen

Section _____ Twp. _____ Range _____ Sea Level Elev. _____
(SEE LOCATION ON BACK OF SHEET)

Drilled by C. L. Luke Helper Carl Bolk

Water struck at xx Ft. Stands at xx Ft. Hole started May 29 Completed May 31

Casing used _____ Ft. 8¼" _____ Ft. 6¼" _____ Ft. 4⅞" Left in hole _____

From	To		FORMATION
0	10	ft.	soil & yellow clay
10	20	"	yellow clay, sandstone, iron, some lead shines
20	30	"	sandstone, iron, some lead shines
30	35	"	" " black soapstone
35	40	"	" " gray soapstone
40	75	"	Gray selvage, iron, thin lead shines
75	81	"	black soapstone, iron some soft lime

Approved By _____ Driller Contractor C. L. Luke

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STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A 15

Land: Four Corners - Allen

Section: Twp.: Range: Sea Level Elev.:
(SEE LOCATION ON BACK OF SHEET)

Drilled by: John Hayes Helper: Alvie Brewer

Water struck at: 60 Ft. Stands at: 50 Ft. Hole started: 5-29-51 Completed: 5-30-51

Casing used: Ft. 8¼" Ft. 6¼" Ft. 4⅞" Left in hole:

From	To		FORMATION
0	15	ft.	light yellow clay
15	30	"	dark blue shale
30	40	"	light blue, white, brown, and grey flint
40	55	"	blue shale, white light blue and grey flint
55	65	"	white, ~~lgit~~-light grey, blue flint

Approved By:

Driller Contractor: John Hayes

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A 16

Land: Four Corners - Allen

Section: Twp.: Range: Sea Level Elev.:
(SEE LOCATION ON BACK OF SHEET)

Drilled by: John Hayes Helper: Alvie Brewer

Water struck at: Ft. Stands at: Ft. Hole started: 6-1-51 Completed: 6-1-51

Casing used: Ft. 8¼" Ft. 6¼" Ft. 4⅞" Left in hole:

From	To		FORMATION
0	10	ft.	yellow clay, brown surface rock
10	35	"	blue shale iron ore
35	40	"	blue shale brown sandstone
40	47	"	blue lime
47	48	"	one foot blue shale
48	53	"	blue and gray lime
53	55	"	white and light grey flint
55	69	"	white, blue, and light grey flint Very hard

Approved By:

Driller Contractor: John Hayes

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A 17

Land: Four Corners - Allen

Section: Twp.: Range: Sea Level Elev.:
(SEE LOCATION ON BACK OF SHEET)

Drilled by: C. L. Luke Helper: Carl Bolk

Water struck at: 00 Ft. Stands at: 00 Ft. Hole started: May 31 Completed: June 1

Casing used: Ft. 8¼" Ft. 6¼" Ft. 4⅞" Left in hole:

From	To	FORMATION
0	10	ft. s oil & yellow clay
10	15	" yellow c lay & creek gravel
15	20	" gray soapstone
20	30	" black soapstone , iron
30	45	" sandstone, gray selvage, iron
45	65	" gray selvage,iron, soft lime
65	75	" black soapstone iron

Approved By:

Driller Contractor: C. L. Luke

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A 18

Land Four Corners Cecil Allen

Section ..... Twp. ..... Range ..... Sea Level Elev. .....
(SEE LOCATION ON BACK OF SHEET)

Drilled by John Hayes Helper Alvie Brewer

Water struck at 28 Ft. Stands at 25 Ft. Hole started 6/1/51 Completed 6/2/51

Casing used ..... Ft. 8¼" ..... Ft. 6¼" ..... Ft. 4⅞" Left in hole .....

From	To		FORMATION
0	25	ft.	Orange and yellow clay
25	40	"	Blue limestone
40	55	"	Dark blue shale, Lots of iron ore
55	65	"	Dark blue flint, white flint, gray lime
65	72	"	Dark blue flint, blue lime, gray lime

Approved By .....

Driller Contractor John Ha yes

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A 19

Land: Four Corners Allen

Section: Twp.: Range: Sea Level Elev.:
(SEE LOCATION ON BACK OF SHEET)

Drilled by: C. L. Luke Helper: Carl B elk

Water struck at: 60 Ft. Stands at: 60 Ft. Hole started: 6/2/51 Completed: 6/7/51

Casing used: Ft. 8¼" Ft. 6¼" Ft. 4⅞" Left in hole:

From	To		FORMATION
0	10	ft.	Sandstone, black soapstone, lead & zinc (Dump)
10	25	"	Yellow clay
25	30	"	Black soaps tone, creek gravel, lead shines
30	40	"	Yellow clay, creek gravel, lead shines
40	45	"	Gray soapstone, iron, lead & zinc shines
45	60	"	Black soapstone, iron, lead & zinc shines
60	65	"	Blank soapstone, gray selvage, iron, lead & zinc shines
65	70	"	Gray flint, boulders, lead shines
70	75	"	Gray flint boulders, lime, lead shines

Approved By: Driller Contractor: C. L. Luke

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A 20

Land Four Corners Cecil Allen

Section _____ Twp. _____ Range _____ Sea Level Elev. _____
(SEE LOCATION ON BACK OF SHEET)

Drilled by John Hayes Helper Alvie Brewer

Water struck at 20 Ft. Stands at 10 Ft. Hole started 6/5/51 Completed 6/6/51

Casing used _____ Ft. 8¼" _____ Ft. 6¼" _____ Ft. 4⅞" Left in hole _____

From	To		FORMATION
0	20	ft.	Yellow and orange clay
20	30	"	Light gray soap stone, blue sugar lime
30	75	"	Blue shale, light and dark blue flint, lots of iron ore
75	90	"	White, light, and dark blue flint

Approved By _____ Driller Contractor John Hayes

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. A 21

Land Four Corners Cecil Allen

Section _____ Twp. _____ Range _____ Sea Level Elev. _____
(SEE LOCATION ON BACK OF SHEET)

Drilled by John Hayes Helper Alvie Brewer

Water struck at 80 Ft. Stands at 50 Ft. Hole started 6/7/51 Completed 6/8/51

Casing used _____ Ft. 8¼" _____ Ft. 6¼" _____ Ft. 4⅞" Left in hole _____

From	To		FORMATION
0	25	ft.	Orange, yellow, brown clay
25	45	"	Dark blue s hale
45	55	"	Dark blue sugar lime, some white flint
55	75	"	Dark blue shale
75	83	"	Gray and blue lime, white and gray flint
83	85	"	White, light gray flint, gray lime
85	90	"	White, light gray flint

Approved By _____ Driller Contractor John Hayes

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. SF 1

Land Four Corners Farley

Section _____ Twp. _____ Range _____ Sea Level Elev. _____

(SEE LOCATION ON BACK OF SHEET)

Drilled by J. E. Thomas Helper F. V. Thomas

Water struck at 11 Ft. Stands at 6 Ft. Hole started 4/28/51 Completed 4/30/51

Casing used _____ Ft. 8¼" _____ Ft. 6¼" _____ Ft. 4⅞" Left in hole _____

From	To		FORMATION
0	11	ft.	Soil & clay, Gray & brown flint
11	15	"	Sand
15	17	"	Gray & brown flint, Gray & blue flint
17	20	"	Good zinc shines, Gray & blue flint
20	22½	"	Fair zinc
22½	25	"	" " , White flint
25	27½	"	Good zinc s hines, Gray & white flint
27½	30	"	Few zinc shines, Gray & blue flint
30	3 5	"	Trace zinc
35	46	"	Gray, blue, & brown flint
46	47	"	Blue soap
47	50	"	Gray & blue flint

Approved By _____ Driller Contractor J. E. Thomas

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. SF 2

Land Four Corners Farley

Section ..... Twp. ..... Range ..... Sea Level Elev. .....
(SEE LOCATION ON BACK OF SHEET)

Drilled by J. E. Thomas Helper F. V. Thomas

Water struck at 6 Ft. Stands at 3 Ft. Hole started 5/4/51 Completed 5/5/51

Casing used ..... Ft. 8¼" 39 Ft. 6¼" ..... Ft. 4⅞" Left in hole .....

From	To		FORMATION
0	4	ft.	Surface & clay
4	7	"	Creek gravel, sand boulders
7	10	"	" " " " zinc shines
10	13	"	Light & dark gray flint Fair zinc
13	16	"	Pale blue flint Good zinc
16	19	"	White shelly flint Fair zinc
19	22	"	White flint Good zinc
22	25	"	White & gray flint, "Hoggy" Good zinc
25	28	"	Gray flint, blue soap, Good zinc
28	31	"	Gray flint, soap s treaks, Good zinc
31	34	"	Gray flint, gray soap, Lead shines, Good zinc
34	37	"	Gray & blue flint, better lead shines, Good zinc
37	40	"	Gray & white flint harder Fair zinc
40	45	"	White flint, zinc shines
45	50	"	White flint, Zinc shines

REMARKS:

		ZnS	PbS
Samples: SF-2	7-10	1.92	0.87
	10-13	18.36	0.43
	13-16	3.15	0.07
	16-19	1.50	0.05
	19-22	2.94	0.03
	22-25	4.32	0.17
	25-28	13.74	0.48
	28-31	8.64	0.37
	31-34	13.98	0.94
	34-37	4.62	0.38
	37-40	1.26	0.19
	40-45	1.29	0.10

Approved By ..... Driller Contractor J. E. Thomas

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. SF 3

Land Four Corners Farley

Section _____ Twp. _____ Range _____ Sea Level Elev. _____
(SEE LOCATION ON BACK OF SHEET)

Drilled by J. E. Thomas Helper F. V. Thomas

Water struck at 24 Ft. Stands at Surface Ft. Hole started 5/9/51 Completed 5/10/51

Casing used _____ Ft. 8¼" 29 Ft. 6¼" _____ Ft. 4⅞" Left in hole _____

From	To		FORMATION
0	4	ft.	Surface & clay
4	7	"	Gra vel & clay
7	10	"	Blue soap
14	24	"	Gray & blue flint, considerable iron
24	28	"	Loose white flint
22	50	"	Light & dark gray flint, soap seams, iron
50	60	"	Gray flint, gray soap, Trace of lead
60	65	"	Gray & blue flint
65	68	"	Gray flint, harder

Approved By _____ Driller Contractor J. E. Thomas

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. SF 4

Land: Four Corners Farley

Section: _____ Twp: _____ Range: _____ Sea Level Elev. _____
(SEE LOCATION ON BACK OF SHEET)

Drilled by: J. E. Thomas Helper: F. V. Thomas

Water struck at: 20 Ft. Stands at: Surface Ft. Hole started: 5/14/51 Completed: 5/15/51

Casing used: _____ Ft. 8¼" 27 Ft. 6¼" _____ Ft. 4⅞" Left in hole _____

From	To		FORMATION
0	2	ft.	Soil & clay
2	10	"	Gravel
10	14	"	Gray soap
14	21	"	Black soap, iron
21	24	"	Soap, gray flint, iron
24	30	"	White flint, iron, Trace zinc
30	35	"	Gray and white flint, iron
35	40	"	Gray, white, and spotted flint
40	45	"	Gray and white flint, streaks gray soap
45	50	"	Gray & white flint, flakes of lime

Approved By _____ Driller Contractor: J. E. Thomas

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. SF 5

Land Four Corners Farley

Section _____ Twp. _____ Range _____ Sea Level Elev. _____
(SEE LOCATION ON BACK OF SHEET)

Drilled by J. E. Thomas Helper F. V. Thomas

Water struck at 24 Ft. Stands at Surface Ft. Hole started 5/16/51 Completed 5/17/51

Casing used _____ Ft. 8¼" 27 Ft. 6¼" _____ Ft. 4⅞" Left in hole _____

From	To		FORMATION
0	4	ft.	Soil and clay
4	8	"	Creek gravel
8	20	"	Gray soap
20	25	"	Gray flint, iron
25	40	"	Gra y flint, iron
40	45	"	Gray and s potted flint, iron
45	50	"	Gray flint, flakes of lime

Approved By _____ Driller Contractor J. E. Thomas

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. SF 6

Land Four Corners Fa rley

Section ..... Twp. ..... Range ..... Sea Level Elev. .....
(SEE LOCATION ON BACK OF SHEET)

Drilled by J. E. Thomas Helper F. V. Thomas

Water struck at 24 Ft. Stands at 2 Ft. Hole started 5/18/51 Completed 5/24/51

Casing used ..... Ft. 8¼" 49 Ft. 6¼" ..... Ft. 4⅞" Left in hole .....

From	To		FORMATION
0	2	ft.	Soil & gravel
2	4	"	Clay
4	8	"	Gravel
8	10	"	Mud
10	12½	"	Gravel, Lead shines
12½	15	"	Gray & blue flint, Lead shines, Zinc s himes
15	18	"	Loos e gray flint, Fair lead, Good zinc
18	21	"	Gray flint, harder Lead shines, Zinc shines
21	27	"	Gray flint, "hoggy" Trace lead, Trace zinc
27	31	"	Gray flint, gray soap, " " " "
31	37	"	Gray soap, gray flint, " " " "
37	49	"	Gray & blue flint, Lead shines, Zinc shines
49	55	"	White flint, Better lead shines, Zinc shines
55	70	"	Light & dark gray flint, Lead shines, Zinc shines
70	75	"	Gray flint, gray soap, Trace lead, " "
75	88	"	Light & dark gray flint, soap streaks " "
88	90	"	Brown lime

Samples: SF 6	ZnS	PbS
10-12½	0.66	0.13
12½-15	0.69	0.04
15-18	1.80	0.32
18-21	1.05	0.23

Approved By ..... Driller Contractor J. E. Thomas

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. SF 7

Land Four Corners - Farley

Section _____ Twp. _____ Range _____ Sea Level Elev. _____
(SEE LOCATION ON BACK OF SHEET)

Drilled by J. E. Thomas Helper F. V. Thomas

Water struck at 24 Ft. Stands at 2 Ft. Hole started 5/25/51 Completed 5/29/51

Casing used _____ Ft. 8¼" 30 Ft. 6¼" _____ Ft. 4⅞" Left in hole _____

From	To		FORMATION
0	8	ft.	soil & gravel
8	15	"	gray soap
15	18	"	gray soap, iron
18	24	"	gray soap, iron, trace zinc
24	35	"	light & dark gray flint, iron
35	40	"	gray flint, iron, trace zinc
40	50	"	gray flint, iron, few zinc shines

Approved By _____ Driller Contractor J. E. Thomas

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. SF 8

Land Four Corners - Farley

Section _____ Twp. _____ Range _____ Sea Level Elev. _____
(SEE LOCATION ON BACK OF SHEET)

Drilled by J. E. Thomas Helper _____

Water struck at 30 Ft. Stands at 12 Ft. Hole started 5-30-51 Completed 5-31-51

Casing used _____ Ft. 8¼" 30 Ft. 6¼" _____ Ft. 4⅞" Left in hole _____

From	To	FORMATION
0	1 ft	Soil
1	18 "	Clay
18	25	Gray soap
25	30	gray soap, iron
30	35	gray flint, iron
35	40	gray flint, zinc shines, trace lead
40	45	gray flint, gray soap, trace zinc
45	55	gray flint, good zinc shines
55	60	gray flint, trace zinc

Approved By _____ Driller Contractor J. E. Thomas

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422

STANDARD MINING CORPORATION

DRILL RECORD

HOLE No. SF 9

Land Four Corners Farley

Section ..... Twp. ..... Range ..... Sea Level Elev. .....
(SEE LOCATION ON BACK OF SHEET)

Drilled by J. E. Thomas Helper F. V. Thomas

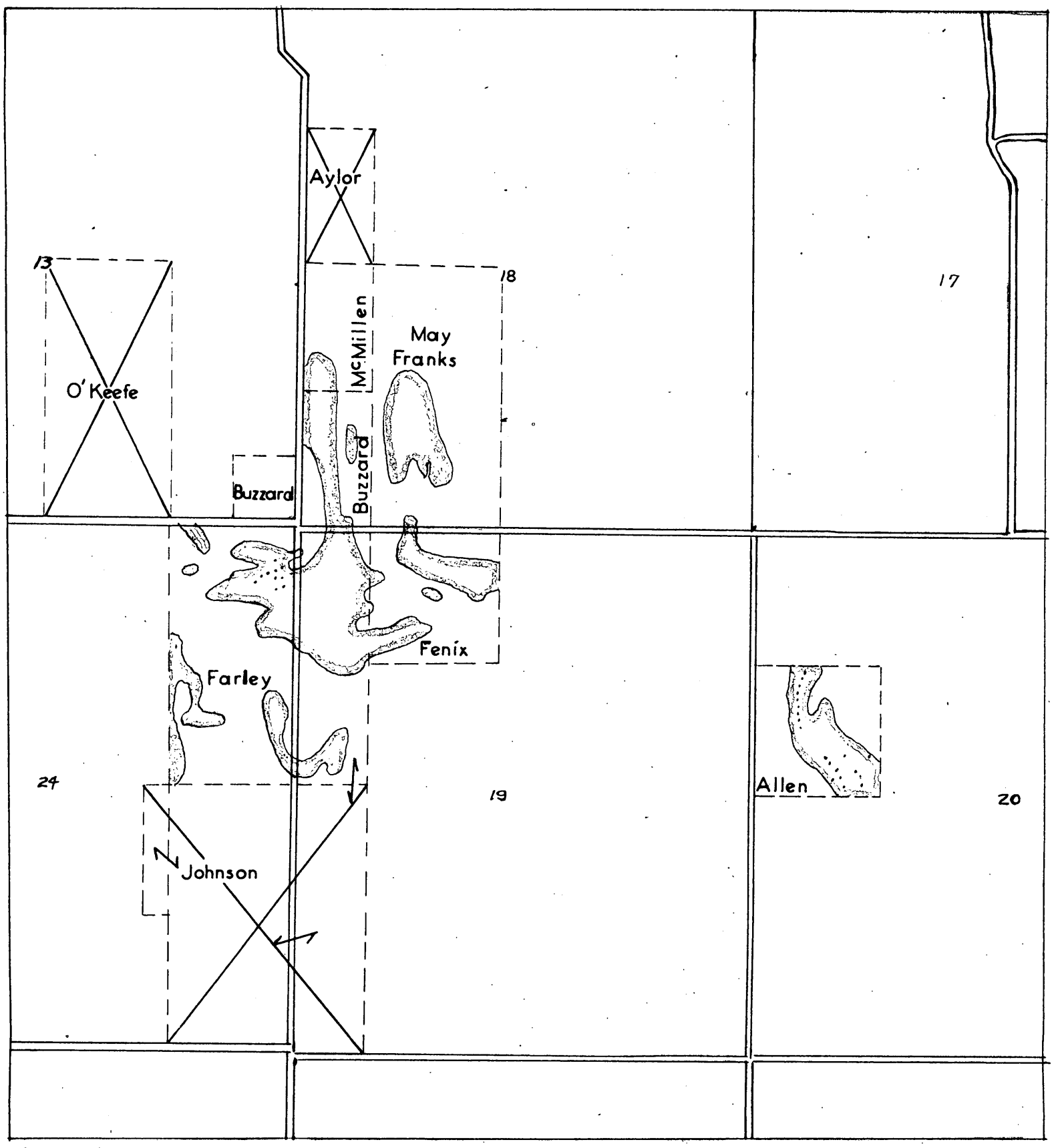
Water struck at 18 Ft. Stands at 6 Ft. Hole started 6/2/51 Completed 6/7/51

Casing used ..... Ft. 8¼" 30 Ft. 6¼" ..... Ft. 4⅞" Left in hole .....

From	To		FORMATION
0	2	ft.	Discard
2	3	"	Soil
3	7	"	Clay
7	10	"	Gravel
10	15	"	Sand, clay, gravel, iron
15	18	"	Dark flint, ZINCC SH INES
18	25	"	Gray & blue flint, iron, ZINC SHINES
25	35	"	Light & dark gray flint, iron, Trace Zinc
35	40	"	Blue soap, gray flint, iron, Trace Zinc
40	50	"	Light & dark gray flint, "hoggy"
	T.D.		

Approved By ..... Driller Contractor J. E. Thomas

THE JOPLIN PRINTING CO., JOPLIN, MO. 2500 3-51 32422



Areas shown thus indicate slumpage and are favorable for drilling

Areas shown thus indicate drilling being done by applicant

Areas shown thus

total 232 Acres and have not yet been mapped by sub-surface methods

STANDARD MINING CORP.
JOPLIN MO.
Scale: 4" = 1 mile June, 1951

MINING LEASE

THIS INDENTURE, Made this 14th day of MARCH, 19 51, by and between

John E. O'Keefe and Cora Beneke O'Keefe, his wife

hereinafter (whether one or more) referred to as Lessor, and Standard Ore and Alloys Corporation hereinafter referred to as Lessee.

WITNESSETH. 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in Jasper County, State of Missouri to-wit:

West Half (W½) of the Southeast Quarter (SE¼)

of Section 13, Township 28, Range 34, and containing ..... acres, more or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including the use of water in said operations, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and treating the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at Bank of Carthage Bank, at Carthage, State of Missouri, on or before the tenth (10th) day of each month, a royalty of Seven & one-half per centum of the gross sale price of all the lead and zinc concentrates produced and sold from said land during the preceding month with the privilege to Lessee to consume such concentrates and pay Lessor said percentage of the market price thereof as royalty thereon. For the protection of the Lessor and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zinc and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other metals or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency, up to but not exceeding the amount of premium money on which royalty may be paid under law or valid regulation issued by any governmental agency having jurisdiction thereof.

4. Lessor agrees to pay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands, and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or excavating in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation, or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands the tailings, rock and other by-products resulting therefrom shall belong to the owner of such other lands or of the lands upon which same are deposited, and if ores and rock from this or other lands are milled upon the lands, covered hereby all such materials shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-product materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and other by-product materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon said lands within six months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyond the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspensions of operations for said last mentioned cause shall not continue longer than six (6) months without the written consent of Lessor.

12. If prospecting or mining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender to Lessor the sum of $ ..... in the manner hereinafter provided, such payment or tender shall operate as a rental for three (3) months from and after the period of time last above stated, and the same shall also cover the right and privilege in the Lessee to defer the commencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders, the commencement of prospecting or mining operations may be further deferred or suspended after having been commenced, for like periods, successively during the term of three years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid, to Lessor at 1401 S. Garrison, Carthage, Mo. or to the bank hereinbefore mentioned, or its successors, for Lessor's credit, on or before the date any such rentals shall become payable.

Said bank, or such other bank as Lessor may in writing hereafter designate and its successors by power irrevocable is hereby made the agent of Lessor to accept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownership of said land or said rentals or royalties.

13. Lessee shall furnish Lessor a true copy of the log of each drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time, to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or any improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relieved from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heirs, successors, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have duly executed this indenture the day and year first above written.

STANDARD ORE AND ALLOYS CORPORATION

By Justin Samuels

Lessee

John E. O'Keefe

Cora Beneke O'Keefe

Lessor

MISSOURI FORM OF ACKNOWLEDGMENT

STATE OF Missouri }ss.
COUNTY OF Jasper

BE IT REMEMBERED, That on this 14th day of March 1951, before me personally appeared John E. O'Keefe and Cora Beneke O'Keefe, his wife to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal at my office in said county the day and year last above written.

My term expires Feb. 13, 1953 — A B Conner, Notary Public.

KANSAS FORM OF ACKNOWLEDGMENT

STATE OF ..... }ss.
COUNTY OF .....

BE IT REMEMBERED, That on this ..... day of ....., 19....., before me a Notary Public in and for the County and State aforesaid, came ..... and ..... who are personally known to me to be the same persons who executed the foregoing instrument of writing, and who duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the year and day last above written.

My commission expires ..... — Notary Public.

OKLAHOMA FORM OF ACKNOWLEDGMENT

STATE OF ..... }ss.
COUNTY OF .....

Before me, Notary Public, in and for said County and State, on this ..... day of ....., 19....., personally appeared ..... and ..... his wife, to me known to be the identical persons who executed the within and foregoing instrument and acknowledged that ..... executed the same as ..... free and voluntary act and deed, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal upon the date last above written.

My commission expires ..... — Notary Public.

NO. .....

MINING LEASE

FROM .....

TO .....

Dated ....., 19.....
Section ..... Township ..... Range .....
County .....
No. Acres .....

STATE OF ..... }ss.
COUNTY OF .....

This instrument was filed on record on the ..... day of ....., 19....., at ..... o'clock ..... M., and duly recorded in Book ..... Page ..... of the records of this office.

By ..... Deputy.

When recorded

Return to .....

THE JOPLIN PRINTING CO., JOPLIN, MO. 2M 4-48 15888

MINING LEASE

THIS INDENTURE, Made this 20th day of March, 1951, by and between

Cecil A. Allen and Ola Pearl Allen, his wife

hereinafter (whether one or more) referred to as Lessor, and Standard Mining Corporation, Joplin, Missouri hereinafter referred to as Lessee.

WITNESSETH, 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in Jasper County, State of Missouri to-wit:

Southwest Quarter (SW¼) of the North-

west Quarter (NW¼)

of Section 20, Township 28, Range 33, and containing 40 acres, more or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including the use of water in said operations, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and treating the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at ______ Bank, at ______ State of ______ on or before the tenth (10th) day of each month a royalty of

Seven & one-half per centum of the gross sale price of all the zinc concentrates and Two per centum of the gross sale price of all the lead ~~and/or zinc~~ concentrates produced and sold from said land during the preceding month with the privilege to Lessee to consume such concentrates and pay Lessor said percentage of the market price thereof as royalty thereon. For the protection of the Lessee and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zinc and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other metals or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency, up to but not exceeding the amount of premium money on which royalty may be paid under law or valid regulation issued by any governmental agency having jurisdiction thereof.

4. Lessor agrees to pay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands, and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or excavating in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation, or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands the tailings, rock and other by-products resulting therefrom shall belong to the owner of such other lands or of the lands upon which same are deposited, and if ores and rock from this or other lands are milled upon the lands, covered hereby all such materials shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-product materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and other by-product materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon said lands within six months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyond the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspensions of operations for said last mentioned cause shall not continue longer than six (6) months without the written consent of Lessor.

12. If prospecting or mining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender to Lessor the sum of $ 40.00, in the manner hereinafter provided, such payment or tender shall operate as a rental for three (3) months from and after the period of time last above stated, and the same shall also cover the right and privilege in the Lessee to defer the commencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders, the commencement of prospecting or mining operations may be further deferred or suspended after having been commenced, for like periods, successively during the term of three years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid, to Lessor at ______ or to the bank hereinbefore mentioned, or its successors, for Lessor's credit, on or before the date any such rentals shall become payable.

Said bank, or such other bank as Lessor may in writing hereafter designate and its successors by power irrevocable is hereby made the agent of Lessor to accept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownership of said land or said rentals or royalties.

13. Lessee shall furnish Lessor a true copy of the log of each drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land.

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time, to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or any improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relieved from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heirs, successors, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have duly executed this indenture the day and year first above written.

STANDARD MINING CORPORATION

By [signature]

Lessee

Ola Pearl Allen

Cecil A. Allen

Lessor

MISSOURI FORM OF ACKNOWLEDGMENT

STATE OF _____ } ss.
COUNTY OF _____

BE IT REMEMBERED, That on this _____ day of March 19 51, before me personally appeared Cecil A. Allen and Ola Pearl Allen, his wife to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal at my office in said county the day and year last above written.

My term expires _____ _____ Notary Public.

KANSAS FORM OF ACKNOWLEDGMENT

STATE OF _____ } ss.
COUNTY OF _____

BE IT REMEMBERED, That on this _____ day of _____, 19 _____, before me a Notary Public in and for the County and State aforesaid, came _____ and _____ who are personally known to me to be the same persons who executed the foregoing instrument of writing, and who duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the year and day last above written.

My commission expires _____ _____ Notary Public.

OKLAHOMA FORM OF ACKNOWLEDGMENT

STATE OF _____ } ss.
COUNTY OF _____

Before me, Notary Public, in and for said County and State, on this _____ day of _____, 19 _____, personally appeared _____ and _____ his wife, to me known to be the identical persons who executed the within and foregoing instrument and acknowledged that _____ executed the same as _____ free and voluntary act and deed, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal upon the date last above written.

My commission expires _____ _____ Notary Public.

NO. _____

MINING LEASE

FROM

TO

Dated _____, 19 _____

Section _____ Township _____ Range _____

County _____

No. Acres _____

STATE OF _____ } ss.
COUNTY OF _____

This instrument was filed on record on the _____ day of _____, 19 _____, at _____ o'clock _____ M., and duly recorded in Book _____ Page _____ of the records of this office.

By _____, Deputy.

When recorded

Return to _____

SUN JOURNAL PRINTING CO., JOPLIN, MO. SM 4-49 19999

MINING LEASE

THIS INDENTURE, Made this 16th day of March, 19 51, by and between

Glenna M. Ayler

hereinafter (whether one or more) referred to as Lessor, and Standard Ore and Alloys Corporation hereinafter referred to as Lessee.

WITNESSETH, 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in Jasper County, State of Missouri to-wit:

Southwest Fractional Quarter of the Northeast Quarter of Section 18, Township 28, Range 33,

of Section 18, Township 28, Range 33, and containing acres, more or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including the use of water in said operations, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and treating the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at Merchants & Miners Bank Bank, at Webb City, State of Missouri, on or before the tenth (10th) day of each month, a royalty of Seven and one-half per centum of the gross sale price of all the lead and zinc concentrates produced and sold from said land during the preceding month with the privilege to Lessee to consume such concentrates and pay Lessor said percentage of the market price thereof as royalty thereon. For the protection of the Lessor and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zinc and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other metals or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency, up to but not exceeding the amount of premium money on which royalty may be paid under law or valid regulation issued by any governmental agency having jurisdiction thereof.

4. Lessor agrees to pay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands, and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or excavating in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation, or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands the tailings, rock and other by-products resulting therefrom shall belong to the owner of such other lands or of the lands upon which same are deposited, and if ores and rock from this or other lands are milled upon the lands, covered hereby all such materials shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-product materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and other by-product materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon said lands within Six months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyond the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspensions of operations for said last mentioned cause shall not continue longer than six (6) months without the written consent of Lessor.

12. If prospecting or mining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender to Lessor the sum of $22.50, in the manner hereinafter provided, such payment or tender shall operate as a rental for three (3) months from and after the period of time last above stated, and the same shall also cover the right and privilege in the Lessee to defer the commencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders, the commencement of prospecting or mining operations may be further deferred or suspended after having been commenced, for like periods, successively during the term of Ten years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid, to Lessor at Webb City, Missouri or to the bank hereinbefore mentioned, or its successors, for Lessor's credit, on or before the date any such rentals shall become payable.

Said bank, or such other bank as Lessor may in writing hereafter designate and its successors by power irrevocable is hereby made the agent of Lessor to accept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownership of said land or said rentals or royalties.

13. Lessee shall furnish Lessor a true copy of the log of each drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land.

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time, to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or any improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relieved from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heirs, successors, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have duly executed this indenture the day and year first above written.

Standard Ore and Alloys Corpn.
By Seth Samuels
Lessee

Glenna M. Ayler
Lessor

(9)

MISSOURI FORM OF ACKNOWLEDGMENT

STATE OF MISSOURI }
COUNTY OF Jasper } ss.

BE IT REMEMBERED, That on this 16th day of March 19 51, before me personally appeared Glenna M. Ayler and [illegible] to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal at my office in said county the day and year last above written.

My term expires _____ _____
Notary Public.

KANSAS FORM OF ACKNOWLEDGMENT

STATE OF _____ }
COUNTY OF _____ } ss.

BE IT REMEMBERED, That on this _____ day of _____ 19 ____, before me a Notary Public in and for the County and State aforesaid, came _____ and _____ who are personally known to me to be the same persons who executed the foregoing instrument of writing, and who duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the year and day last above written.

My commission expires _____ _____
Notary Public.

OKLAHOMA FORM OF ACKNOWLEDGMENT

STATE OF _____ }
COUNTY OF _____ } ss.

Before me, Notary Public, in and for said County and State, on this _____ day of _____ 19 _____, personally appeared _____ and _____ his wife, to me known to be the identical persons who executed the within and foregoing instrument and acknowledged that _____ executed the same as _____ free and voluntary act and deed, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal upon the date last above written.

My commission expires _____ _____
Notary Public.

NO. _____

MINING LEASE

FROM [illegible]

TO [illegible]

Dated [illegible] 19 51

Section _____ Township _____ Range _____

County _____

No. Acres _____

STATE OF _____ }
COUNTY OF _____ } ss.

This instrument was filed on record on the _____ day of _____ 19 _____ at _____ o'clock _____ M., and duly recorded in Book _____ Page _____ of the records of this office.

By _____ Deputy.

When recorded _____

Return to _____

[illegible] 2M 4-48 115[illegible]

MINING LEASE

THIS INDENTURE, Made this 23 day of February, 19 51, by and between Helen Franks a single woman Margaret Franks Christman and Albert her husband and Emily Franks Child and Huntley her husband

hereinafter (whether one or more) referred to as Lessor, and Standard Ore and Alloys Corp.
hereinafter referred to as Lessee.

WITNESSETH, 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in Jasper County, State of Missouri
to-wit:

East 1/2 of SW 1/4

of Section 18, Township 28, Range 33, and containing 80 acres, more or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including the use of water in said operations, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and treating the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at First National Bank, at Joplin, State of Missouri, on or before the tenth (10th) day of each month, a royalty of 7 1/2 per centum of the gross sale price of all the lead and zinc concentrates produced and sold from said land during the preceding month with the privilege to Lessee to consume such concentrates and pay Lessor said percentage of the market price thereof as royalty thereon. For the protection of the Lessor and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zinc and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other metals or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency, up to but not exceeding the amount of premium money on which royalty may be paid under law or valid regulation issued by any governmental agency having jurisdiction thereof.

4. Lessee agrees to pay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands, and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or excavating in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation, or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands the tailings, rock and other by-products resulting therefrom shall belong to the owner of such other lands or of the lands upon which same are deposited, and if ores and rock from this or other lands are milled upon the lands, covered hereby all such materials shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-product materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and other by-product materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon said lands within Six Months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyond the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspensions of operations for said last mentioned cause shall not continue longer than six (6) months without the written consent of Lessor.

12. If prospecting or mining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender to Lessor the sum of $ 22.50, in the manner hereinafter provided, such payment or tender shall operate as a rental for three (3) months from and after the period of time last above stated, and the same shall also cover the right and privilege in the Lessee to defer the commencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders, the commencement of prospecting or mining operations may be further deferred or suspended after having been commenced, for like periods, successively during the term of 2 years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid, to Lessor at Moana Apts - Joplin, MO, or to the bank hereinbefore mentioned, or its successors, for Lessor's credit, on or before the date any such rentals shall become payable.

Said bank, or such other bank as Lessor may in writing hereafter designate and its successors by power irrevocable is hereby made the agent of Lessor to accept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownership of said land or said rentals or royalties.

13. Lessee shall furnish Lessor a true copy of the log of each drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land.

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time, to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or any improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relieved from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heirs, successors, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have duly executed this indenture the day and year first above written.

Standard Ore and Alloys Corp.
By Lest Samuels
Lessee

Margaret Franks Christman
Albert Christman
Emily Franks Child
Huntley Child (by Emily F. Child)
Helen Franks
Lessor

(8)

MINING LEASE

THIS INDENTURE, Made this 1st day of March, 1951, by and between Jack A. McMillen and Hazel his wife

hereinafter (whether one or more) referred to as Lessor, and Standard Ore and Alloys Corpn. hereinafter referred to as Lessee.

WITNESSETH, 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in Jasper County, State of Missouri to-wit:

All of N. 1/2 of Lot 2 of SW 1/4 except road right of way.

of Section 18, Township 28, Range 33, and containing 21.9 acres, more or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including the use of water in said operations, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and treating the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at ______ Bank, at Carl Junction, State of Missouri, on or before the tenth (10th) day of each month, a royalty of Seven and [illegible] per centum of the gross sale price of all the lead and zinc concentrates produced and sold from said land during the preceding month with the privilege to Lessee to consume such concentrates and pay Lessor said percentage of the market price thereof as royalty thereon. For the protection of the Lessor and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zinc and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other metals or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency, up to but not exceeding the amount of premium money on which royalty may be paid under law or valid regulation issued by any governmental agency having jurisdiction thereof.

4. Lessor agrees to pay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands, and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or stripping in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation, or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, sampled, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard practice [illegible]. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands the tailings, sand and other by-products resulting therefrom shall belong to the owner of such other lands or of the lands upon which same are deposited, and if ores and rock from this or other lands are milled upon the lands covered hereby all such materials shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-product materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and other by-product materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon said lands within Six Months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyond the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspensions of operations for said last mentioned cause shall not continue longer than six (6) months without the written consent of Lessor.

12. If prospecting or mining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender to Lessor the sum of $10.00, in the manner hereinafter provided, such payment or tender shall operate as a rental for three (3) months from and after the period of time last above stated, and the same shall also cover the right and privilege in the Lessee to defer the commencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders, the commencement of prospecting or mining operations may be further deferred or suspended after having been commenced, for like periods, successively during the term of One years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid, to Lessor at Rt 1, Carl Junction Mo or to the bank hereinbefore mentioned, or its successors, for Lessor's credit, on or before the date any such rentals shall become payable.

Said bank, or such other bank as Lessor may in writing hereafter designate and its successors by power irrevocable is hereby made the agent of Lessor to accept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownership of said land or said rentals or royalties.

13. Lessee shall furnish Lessor a true copy of the log of each drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land.

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time, to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or any improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relieved from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heirs, successors, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have duly executed this indenture the day and year first above written.

STANDARD ORE AND ALLOYS CORPORATION

By Justin Samuels

______ Lessee

Jack A McMillen

Hazel McMillen

______ Lessor

MINING LEASE

THIS INDENTURE, Made this 1st day of ~~February~~ MARCH, 19 51, by and between

Harry Buzzard and Ammia Buzzard, his wife

hereinafter (whether one or more) referred to as Lessor, and Standard Ore and Alloys Corporation hereinafter referred to as Lessee.

WITNESSETH. 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in Jasper County, State of Missouri to-wit: S½ of Lot 2 of the SW frl. Quarter (W½ of SW¼) of Sec. 18, Twp. 28, Rge. 33, containing 21.2 acres more or less.

14.18 acres described as beg. 22 chains and 40 links S of the NE corner of the SE¼, thence W 8 chains and 58 links, thence S 17 chains and 50 links more or less to the S line of said SE¼ thence E 8 chains and 38 links more or less to point of beginning in Sec. 13, Twp. 28, Rge. 34, less 2 acres used as homesite in the SE corner of the last described parcel.

of Section ____, Township ____, Range ____, and containing ____ acres.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to erect buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including use of water in said operations, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and treating the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at ____ Bank, at ____, State of ____, on or before the tenth (10th) day of each month, a royalty of Seven & one-half per centum of the gross sale price of all the lead and zinc concentrates produced and sold from said land during the preceding month with the privilege to Lessee to consume such concentrates and pay Lessor said percentage of the market price thereof as royalty thereon. For the protection of the Lessor and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zinc and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other metals or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency, up to but not exceeding the amount of premium money on which royalty may be paid under law or valid regulation issued by any governmental agency having jurisdiction thereof.

4. Lessor agrees to pay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands, and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or excavating in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation, or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to mill ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, sampled, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice [illegible]. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands the tailings, rock and other by-products resulting therefrom shall belong to the owner of such other lands or of the lands upon which same are deposited, and if ores and rock from this or other lands are milled upon this lands, covered hereby all such [illegible] shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-product materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and other by-product materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon said lands within six months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyond the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspensions of operations for said last mentioned cause shall not continue longer than six (6) months without the written consent of Lessor.

12. ~~If prospecting or mining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender to Lessor the sum of $[illegible] in the manner hereinafter provided, such payment or tender shall operate as a rental for three (3) months from and after the period of [illegible] above stated, and the same shall give Lessee the right and privilege to the Lessee to defer the commencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders the commencement of prospecting or mining operations may be further deferred or suspended after having been commenced for like periods, respectively, during the term of ____ years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid, to Lessor at ____ or to the bank hereinbefore mentioned or its successor for Lessor's credit, on or before the date any such rentals shall become payable.~~

Said bank, or such other bank as Lessor may in writing hereafter designate and its successors by power irrevocable is hereby made the agent of Lessor to accept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownership of said land or said rentals or royalties.

13. Lessee shall furnish Lessor a true copy of the log of each drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land.

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time, to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or any improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of Lessee's intention so to do and thereupon Lessee shall be relieved from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heirs, successors, legal representatives and assigns of the parties hereto.

20. During such time as lessee shall be engaged in the bona fide exploration or production of ores on any adjacent property or in the erection of a mill on any adjacent property, the same shall be sufficient in all respects to satisfy the requirements of this lease as to prospecting or mining.

IN WITNESS WHEREOF, the parties hereto have duly executed this indenture the day and year first above written.

Harry Buzzard
Ammia Buzzard
Lessor

STANDARD ORE AND ALLOYS CORPORATION

By [illegible]

Lessee

MISSOURI FORM OF ACKNOWLEDGMENT

STATE OF Missouri
COUNTY OF Jasper } ss.

BE IT REMEMBERED, That on this 1st day of ~~February~~ Mar 1951, before me personally appeared Harry Buzzard and Ammia Buzzard, his wife to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal at my office in said County the day and year last above written.

My term expires 7/23/52

L. M. Clifton
Notary Public.

KANSAS FORM OF ACKNOWLEDGMENT

STATE OF
COUNTY OF } ss.

BE IT REMEMBERED, That on this day of 19 before me a Notary Public in and for the County and State aforesaid, came and who are personally known to me to be the same persons who executed the foregoing instrument of Mining, and who duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the year and day last above written.

My commission expires

Notary Public.

OKLAHOMA FORM OF ACKNOWLEDGMENT

STATE OF
COUNTY OF } ss.

Before me, Notary Public, in and for said County and State, on this day of 19 personally appeared and to me known to be the identical persons who executed the within and foregoing instrument and acknowledged that executed the same as their free and voluntary act and deed, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal upon the date last above written.

My commission expires

NO.

MINING LEASE

FROM

TO

19

STATE OF
COUNTY OF } ss.

19

MINING LEASE

THIS INDENTURE, Made this 9th day of May, 19 51, by and between Frank Fenix and Pearl Fenix, his wife

hereinafter (whether one or more) referred to as Lessor, and Standard Mining Corporation, Joplin, Missouri hereinafter referred to as Lessee.

WITNESSETH, 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in Jasper County, State of Missouri to-wit:

Northeast Quarter (NE¼) of the Northwest Quarter (NW¼)

of Section 19, Township 28, Range 33, and containing ______ acres, more or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including the use of water in said operations, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and treating the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at Citizen State Bank, at Joplin, State of Missouri, on or before the tenth (10th) day of each month, a royalty of Seven & one-half per centum of the gross sale price of all the lead and zinc concentrates produced and sold from said land during the preceding month with the privilege to Lessee to consume such concentrates and pay Lessor said percentage of the market price thereof as royalty thereon. For the protection of the Lessor and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zinc and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other metals or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency, up to but not exceeding the amount of premium money on which royalty may be paid under law or valid regulation issued by any governmental agency having jurisdiction thereof.

4. Lessor agrees to pay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands, and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or excavating in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation, or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands the tailings, rock and other by-products resulting therefrom shall belong to the owner of such other lands or of the lands upon which same are deposited, and if ores and rock from this or other lands are milled upon the lands, covered hereby all such materials shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-product materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and other by-product materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon said lands within 6 months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyond the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspensions of operations for said last mentioned cause shall not continue longer than six (6) months without the written consent of Lessor.

12. ~~[illegible]~~

13. Lessee shall furnish Lessor a true copy of the log of each drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land.

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby ~~warrants and agrees to defend the title to the lands herein described, and~~ agrees that the Lessee shall have the right, at any time, to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or any improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relieved from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heirs, successors, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have duly executed this indenture the day and year first above written.

STANDARD MINING CORPORATION

By J W Gilbert
Agt.
Lessee

Frank Fenix
Pearl Fenix
Lessor

1010

MINING LEASE

THIS INDENTURE, Made this 23rd day of February, 19 51, by and between Charles P. Johnson and Maude S. Johnson, his wife; Georgia Johnson Moore, unmarried and William Sharpe, unmarried,

hereinafter (whether one or more) referred to as Lessor, and Standard Ore and Alloys Corporation, hereinafter referred to as Lessee.

WITNESSETH. 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in Jasper County, State of Missouri to-wit:

East ½ of SE¼ and a 12-acre strip off East side of NW¼ of SE¼ of Section 24, Twp. 28, Range 34, and Lot 2 of NW¼ and Lot 2 of SW¼ of Section 19, Township 28, Range 33

of Section ....., Township ....., Range ....., and containing 176.87 acres, more or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including the use of water in said operations, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and treating the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at First National Bank, at Joplin, State of Missouri, on or before the tenth (10th) day of each month, a royalty Seventeen-and-one-half per centum of the gross sale price of all the lead and zinc concentrates produced and sold from said land during the preceding month with the privilege to Lessee to consume such concentrates and pay Lessor said percentage of the market price thereof as royalty thereon. For the protection of the Lessor and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zinc and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other metals or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency, up to but not exceeding the amount of premium money on which royalty may be paid under law or valid regulation issued by any governmental agency having jurisdiction thereof.

4. Lessor agrees to pay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands, and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or excavating in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation, or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands the tailings, rock and other by-products resulting therefrom shall belong to the owner of such other lands or of the lands upon which same are deposited, and if ores and rock from this or other lands are milled upon the lands, covered hereby all such materials shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-product materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and other by-product materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon said lands within six months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyond the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspensions of operations for said last mentioned cause shall not continue longer than six (6) months without the written consent of Lessor.

12. If prospecting or mining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender to Lessor the sum of $.25 per acre in the manner hereinafter provided, such payment or tender shall operate as a rental for three (3) months from and after the period of time last above stated, and the same shall also cover the right and privilege in the Lessee to defer the commencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders, the commencement of prospecting or mining operations may be further deferred or suspended after having been commenced, for like periods, successively during the term of ten years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid to Lessor at 1905 Sergeant Ave, Joplin, Mo. or to the bank hereinbefore mentioned, or its successors, for Lessor's credit, on or before the date any such rentals shall become payable.

Said bank, or such other bank as Lessor may in writing hereafter designate and its successors by power irrevocable is hereby made the agent of Lessor to accept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownership of said land or said rentals or royalties.

13. Lessee shall furnish Lessor a true copy of the log of each drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land.

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time, to redeem the lands by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or any improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relieved from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heirs, successors, legal representatives and assigns of the parties hereto.

20. ~~The Lessee may at any time, upon the payment of one dollar ($1.00) and all royalties due hereunder, surrender and release of record at Lessee's cost all or any part of the acreage covered hereby, this lease to continue in force and effect as to the acreage not so surrendered.~~

21. In the event a concentrating mill shall be erected on said premises, and in the further event Lessee shall suspend mining operations and the milling of ores mined on said premises, Lessee shall pay to Lessor the sum of fifty cents per ton of concentrates produced from the milling of ores mined from other lands during such time as mining of ores on the lands herein described shall be so suspended, and the operation of said mill in treating ores mined from other lands shall be sufficient in all respects to maintain this lease in force and effect.

22. Any notice authorized or required to be given lessee hereunder may be delivered personally to any duly authorized agent of Lessee, or mailed by registered mail, postage prepaid, addressed to Lessee at 120 Wall Street, New York 5, New York, or such other address as Lessee may designate in writing to Lessor, and the depositing of any such notice in the mails, so addressed, shall be considered delivery to Lessee. Likewise, any such notice authorized or required to be given Lessor may be delivered to Lessor personally or mailed to Lessor by registered mail, postage prepaid, addressed to Lessor at 1905 Sergeant Ave., Joplin, Mo., and the depositing of any such notice in the mails shall constitute delivery thereof.

IN WITNESS WHEREOF, the parties hereto have duly executed this indenture the day and year first above written.

Charles P. Johnson
Maude S. Johnson
Georgia Johnson Moore
William Sharpe by Charles P. Johnson
atty in fact

STANDARD ORE & ALLOYS CORPORATION

MISSOURI FORM OF ACKNOWLEDGMENT

STATE OF Missouri
COUNTY OF Jasper } ss.

BE IT REMEMBERED, That on this _____ day of _____ 19 51, before me personally appeared Charles P. Johnson and Maude S. Johnson, his wife, MP MP known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal at my office in said county the day and year last above written.

My term expires _____ _____ Notary Public.

STATE OF _____
COUNTY OF _____ } ss

On this _____ day of _____, 1951, before me, a Notary Public in [illegible] and State, personally appeared Georgia Johnson [illegible], to me known to be the person described in and who executed [illegible] instrument and she acknowledged to me that she executed [illegible] as her free act and deed. And the said Georgia Johnson Moore [illegible] herself to be single and unmarried.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my [illegible] the day and year last above written.

_____ Notary Public

My commission expires: _____.

STATE OF MISSOURI
COUNTY OF JASPER } ss

On this _____ day of _____, 1951, appeared before me Charles P. Johnson, to me personally known to be the person described in and who executed the above instrument, and acknowledged that he executed the same as the free act and deed of William Sharpe, for whom he is agent and attorney in fact.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

_____ Notary Public

My term expires _____.

NO. _____ MEMORANDUM

Dated _____ Section _____ Township _____ No. Acres _____

STATE OF _____
COUNTY OF _____
This instrument was filed o
day of _____ o'c
at _____ in Book _____
the records of this office.
By _____
When recorded
Return to _____

THE JOPLIN PRINTING CO., JOPLIN, MO

Form 33 - Printed and for Sale by the P. Schnur Ptg Co., Joplin, Mo.

MINING LEASE

THIS INDENTURE, Made and entered into this Fifth day of March, 1951, by and between ELIZA JANE ANDERSON and T. M. ANDERSON, her husband, and LUCRETIA E. FARLEY, a single person as parties of the first part and STANDARD ORE AND ALLOYS CORPORATION as party of the second part

WITNESSETH: That the parties of the First part in consideration of the undertakings and agreements hereinafter stated, to be kept and performed by the party of the Second part, its successors and assigns, do by these presents demise and lease unto the said party of the Second part, its successors and assigns, the following described real estate in Jasper County, State of Missouri, to-wit:

~~The North (N) twenty (20) acres of the North east Quarter (NE¼), except a tract 55 feet by 200 feet out of the Northeast (NE) corner~~ except a tract 55 feet by 200 feet out of the Northeast (NE) corner

East one-half (E½) of the Northeast Quarter (NE¼) of Sec. 24, T.28, R. 34

1st. The said party of the second part, its successors and assigns, shall ~~immediately~~ within 6 months commence the work of mining said land in good faith, and shall place and have on said land, sufficient pumps and machinery to drain same of water, so as to permit of efficient mining thereof, and shall properly operate the same and shall increase the capacity thereof from time to time as becomes necessary.

2nd. The said party of the Second part, its successors and assigns, shall mine said land in a good, thorough and workmanlike manner; shall keep all shafts and drifts well and securely timbered and supported, and shall not remove such timbers and supports so as to endanger the ground, or permit the same to cave or fall in. Mining shall be carried on in good faith, continuously and shall not be suspended at any time, except on written permission of the said parties of the First part.

The said party of the Second part shall have the right to remove all rough or crush stuff from said land, to be cleaned on other land and rough or crush stuff from other land may be brought from the other land, to be cleaned and prepared for market on said land.

3rd. The party of the Second part, its successors or assigns, shall keep a correct account of the minerals mined, the kind and weight thereof, to whom sold and the price received therefor; which books shall be open to the inspection of the parties of the First part at all reasonable times.

4th. The party of the Second part, its successors and assigns, shall pay to the parties of the First part on Monday of each week, as rent or royalty, 7 1/2 per cent of the market value of all ores mined or sold during the preceeding week, with a statement showing the amount and kinds of ore sold, to whom sold, and the price received for same. Mail to First Natl. Bank Columbus, Kans

5th. The party of the second part, its successors and assigns, shall have the right to erect all necessary buildings and machinery on said land for the purpose of mining and dressing, crushing and cleaning ores thereon, and remove the same at the expiration or forfeiture of this lease, except timbering and other improvements necessary to support the ground. All uses of the ground not consistent with thorough and proper mining, as herein required, are hereby reserved to said parties of the First part.

6th. Any failure to comply with and perform the requirements of this lease in good faith at any time shall end and determine the same and the parties of the First part may desire an enter, re-enter upon and hold said demised premises.

7th. This lease shall not be recorded unless and until ores in paying quantities shall be discovered.

8th. Mining may be carried on by excavating in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining, second party shall not be liable for damages done to the surface of said lands.

9th. Permission is hereby given to remove dirt from said premises to other lands to be cleaned and prepared for market. Surface of said premises reserved to first parties where not used by second party for mining purposes. Second party to furnish first parties true copy of log of all holes sunk on said premises. Second party to keep all gates closed. Second party shall not disturb present roadway by mining operations, and will pay damages to growing crops caused by said operations. Renter is to have use of all ground except where mining is in operation. Permission is also given to mill ores from other lands on the lands herein described.

10th. Surface conditions around the well shall not be disturbed.

11th. Mining shall not be suspended for longer than thirty (30) days at any one time without the written permission of first parties, and in the event of the violation of any of the terms hereof, first parties may give to second party ten (10) days' written notice of such violation, and if such violation or default shall not be corrected within said ten (10) days, this lease may be forfeited, at the option of first parties.

12th. Any mine on said property shall be named and known as the ~~"Linda Jean" mine~~. "Linda Jane" mine.

Subject to these conditions this lease shall remain in full force for a term of ten (10) years from date hereof, and if operating at the end of this term shall renew the same for a like term.

IN WITNESS WHEREOF, we have hereunto set our hands and seals the day and year first aforesaid.

Lucretia E. Farley (SEAL)
Eliza Jane Anderson (SEAL)
T. M. Anderson (SEAL)
First Parties

STANDARD ORE AND ALLOYS CORPORATION

By Justin Samuels

STATE OF MISSOURI
County of Jasper } ss. On this ..... day of March 1951, before me, a Notary Public in and for said County, personally appeared Eliza Jane Anderson and Anderson, her husband and Lucretia E. Farley to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed. And the said Lucretia E. Farley further declared herself to be single and unmarried.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at my office in ....., in said County and State the day and year first above written.

My term expires ..... 19.....

.....
Notary Public

STATE OF .....
County of ..... } ss. IN THE OFFICE OF THE RECORDER OF DEEDS

I, ..., Recorder of said County, do hereby certify that the within instrument of writing was, with the certificate theron, at ..... o'clock and ..... minutes ..... M., on the ..... day of ..... A. D., 19....., duly filed for record in this office, and is recorded in the records of this office, in Book ..... at page .....

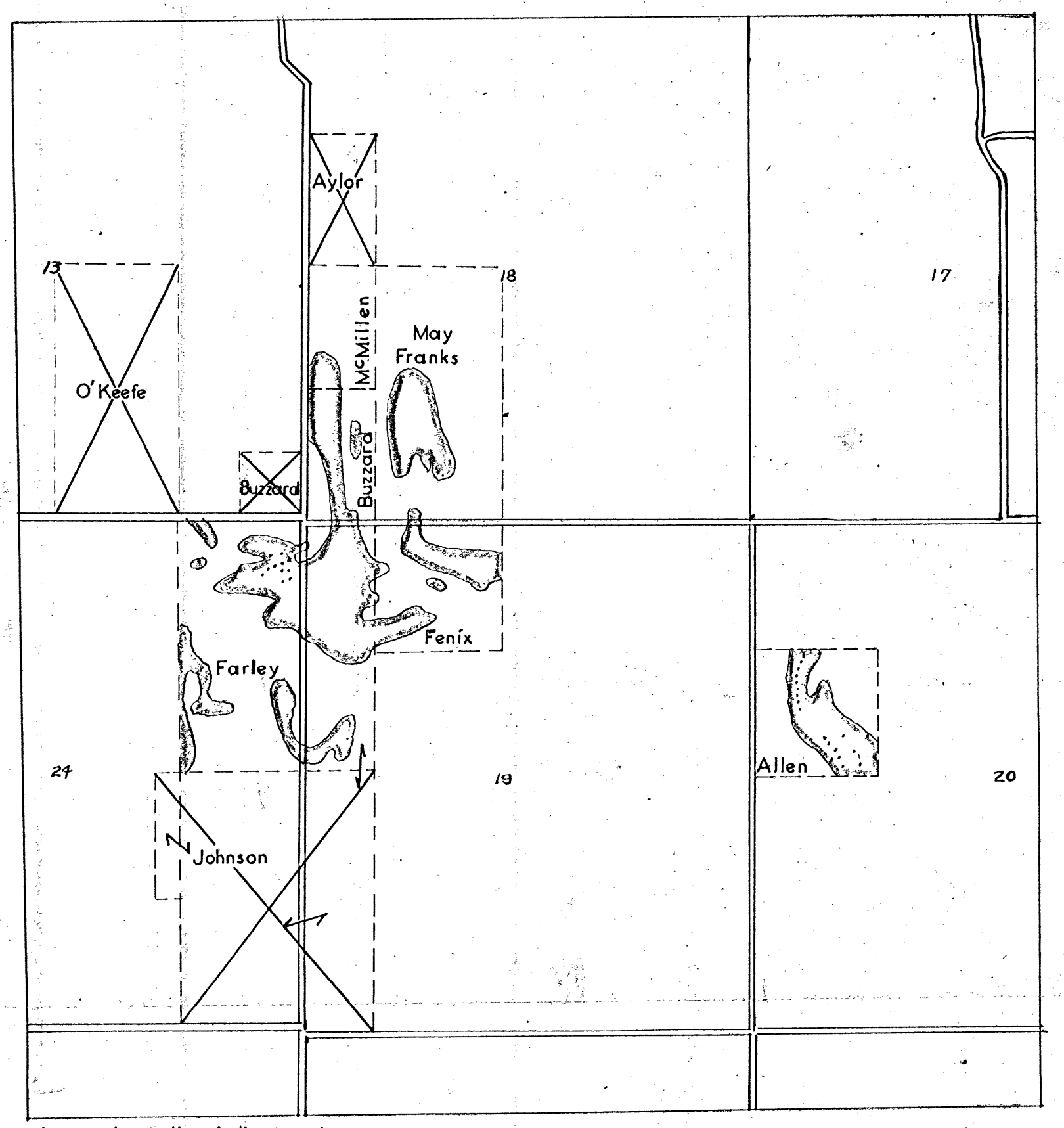
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at ..... this ..... day of ..... A. D., 19.....

..... Recorder

MINING LEASE

FROM

TO



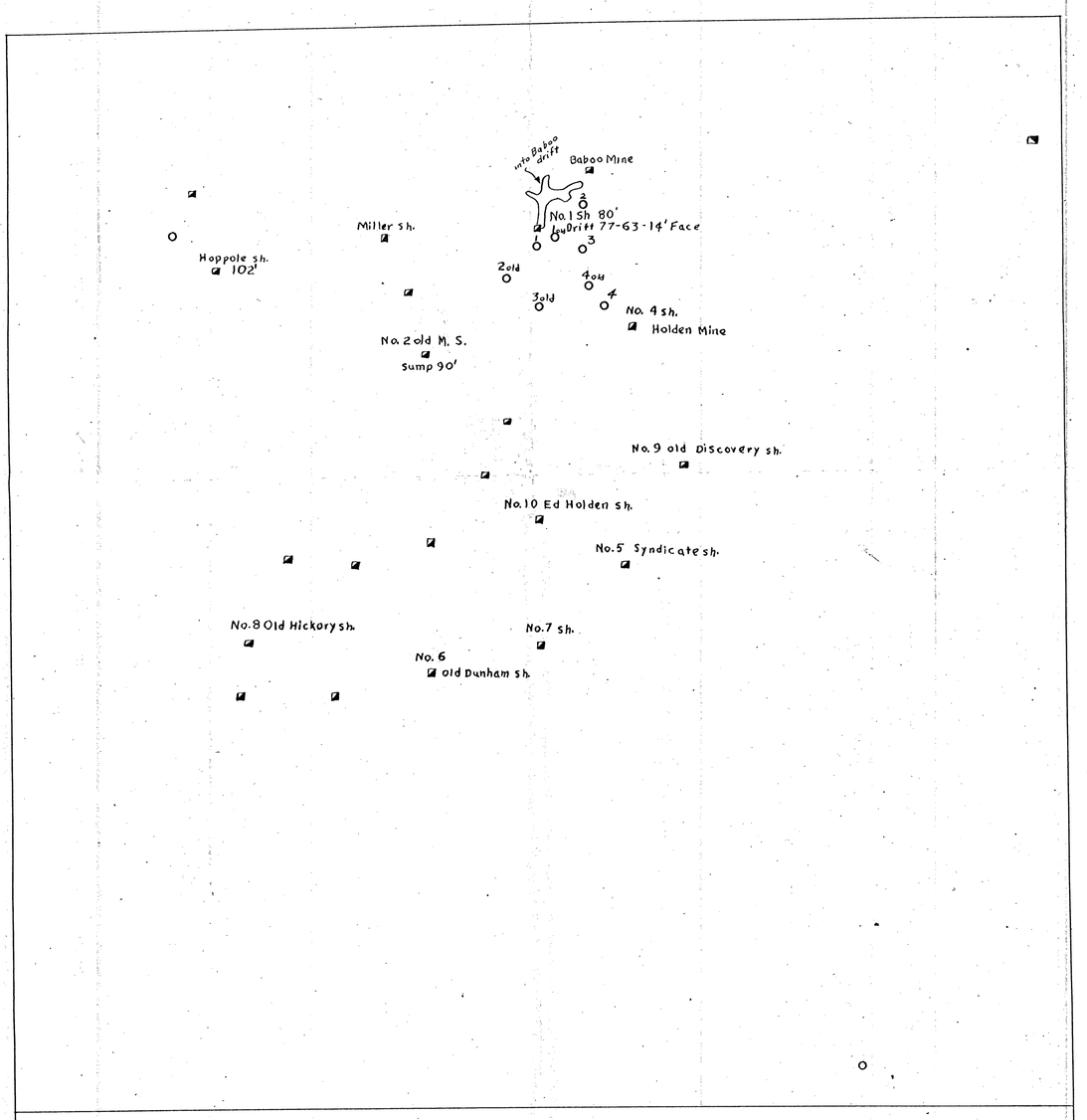
Areas shown thus indicate slumpage and are favorable for drilling

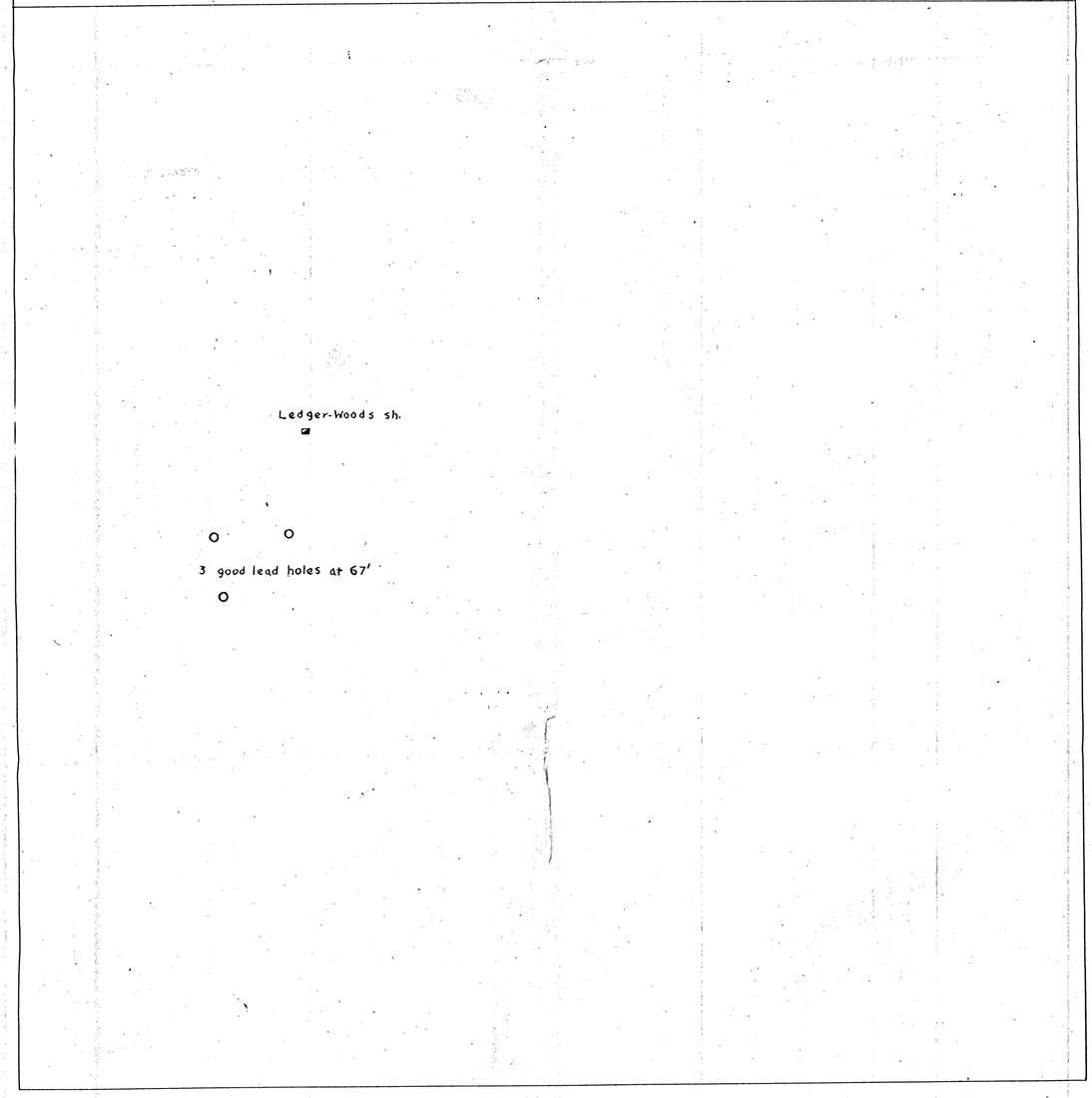
Areas shown thus indicate drilling being done by applicant

Areas shown thus

total 232 Acres and have not yet been mapped by sub-surface methods

STANDARD MINING CORP.
JOPLIN MO.
Scale: 4" = 1 mile June, 1951





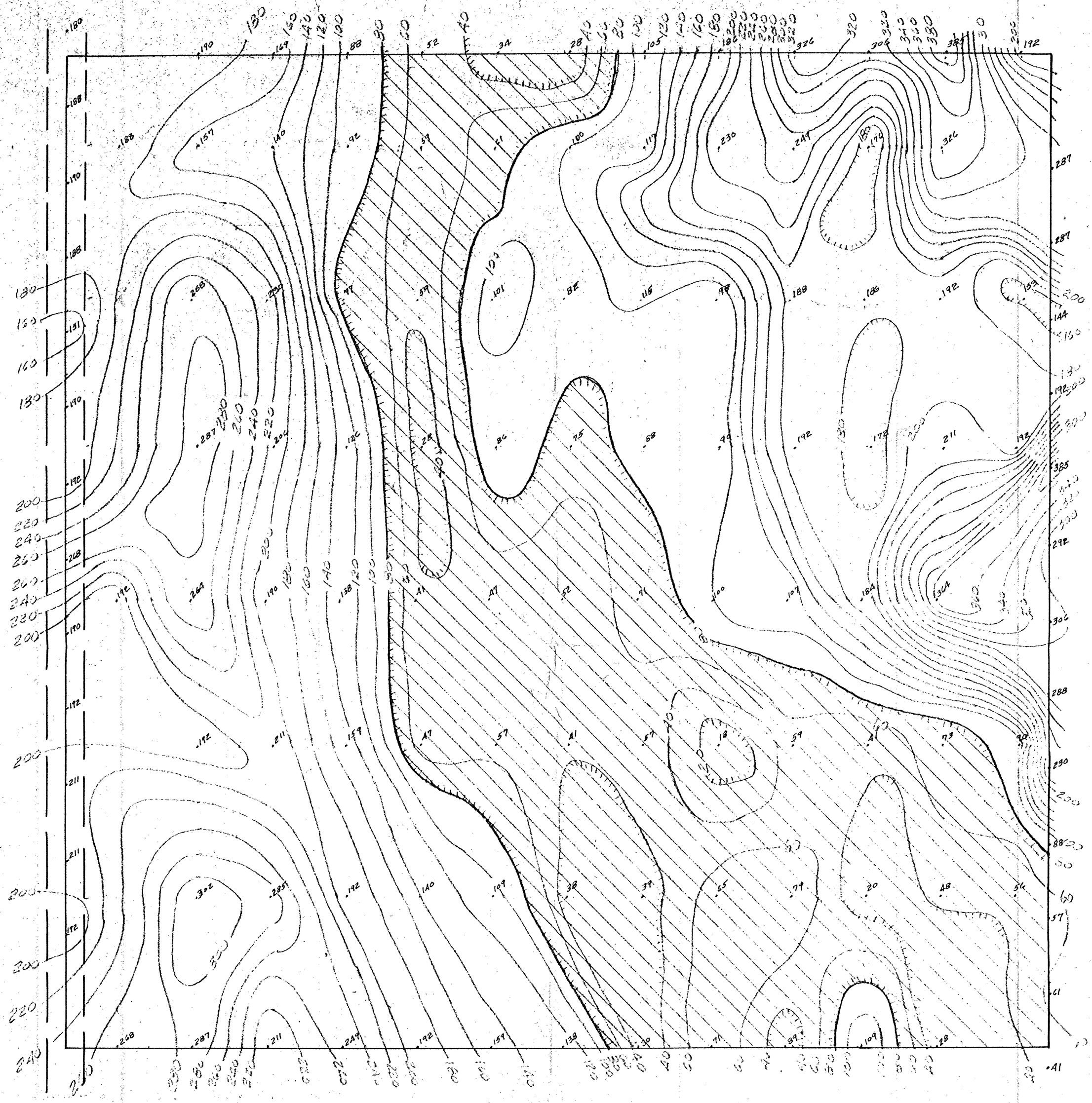
No. 28

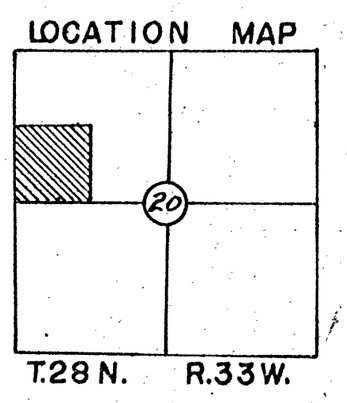
N

STANDARD MNG. CO.
O'KEEFE LAND
FOUR CORNER'S AREA

W 1/2 SE 1/4 Sec. 13 - T. 28 n. - R. 34 w.
JASPER CO. MO.
SCALE 1" = 100'

● GOOD HOLE
Φ SHINE HOLE
O BLANK HOLE



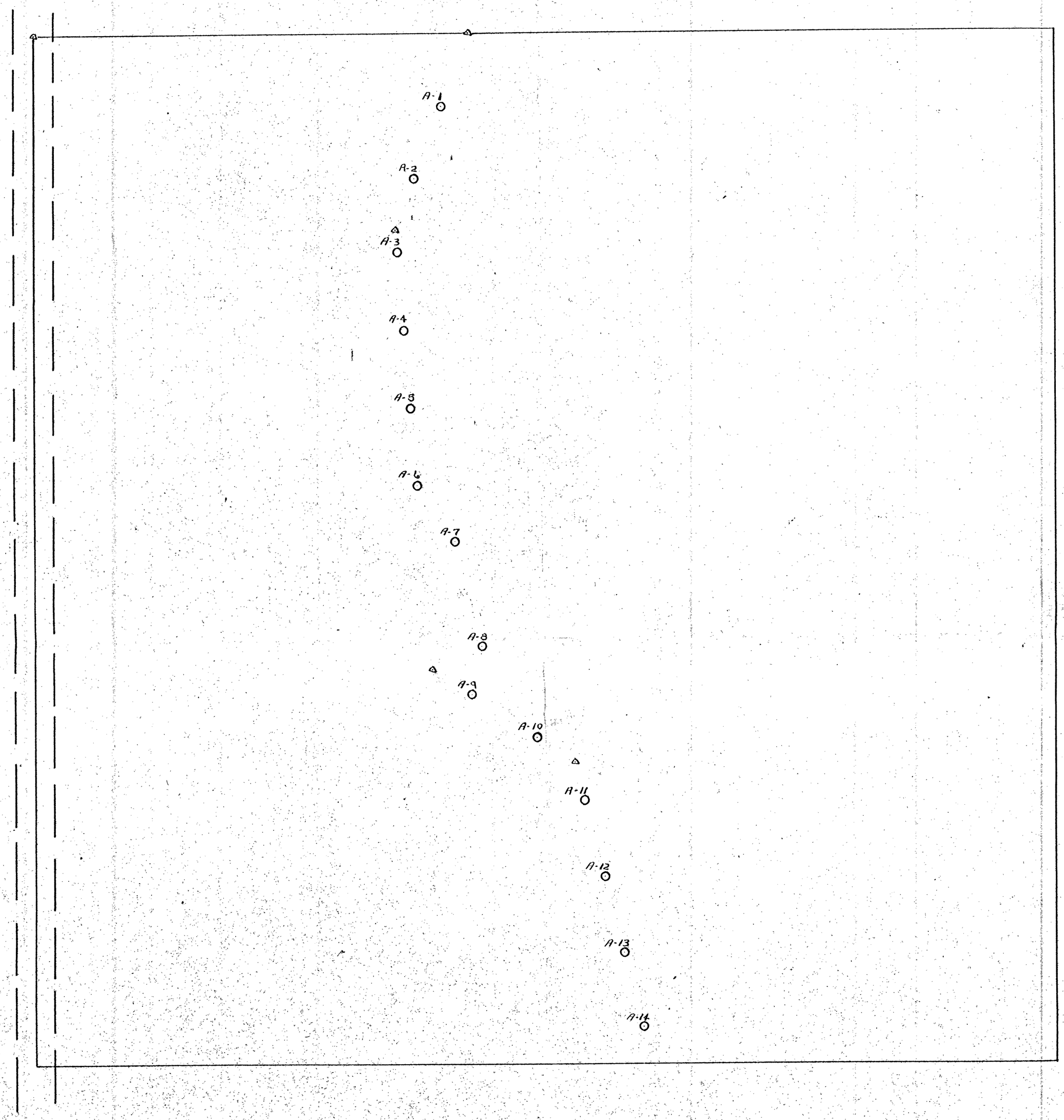


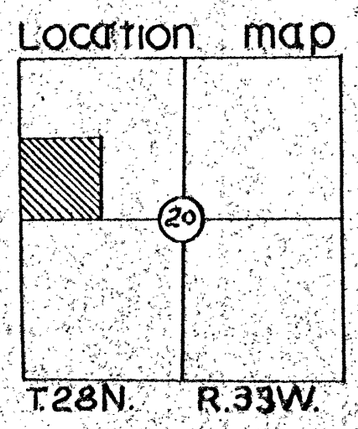
ELECTRICAL RESISTIVITY SURVEY
ALLEN TRACT

JASPER COUNTY, MO.
DEPTH OF PENETRATION = 100 FEET
CONTOUR INTERVAL = 20 METER OHMS
DAN R. STEWART
APRIL, 1951
SCALE: 1" = 100'

Dma 1738X

Standard Mining Corp.



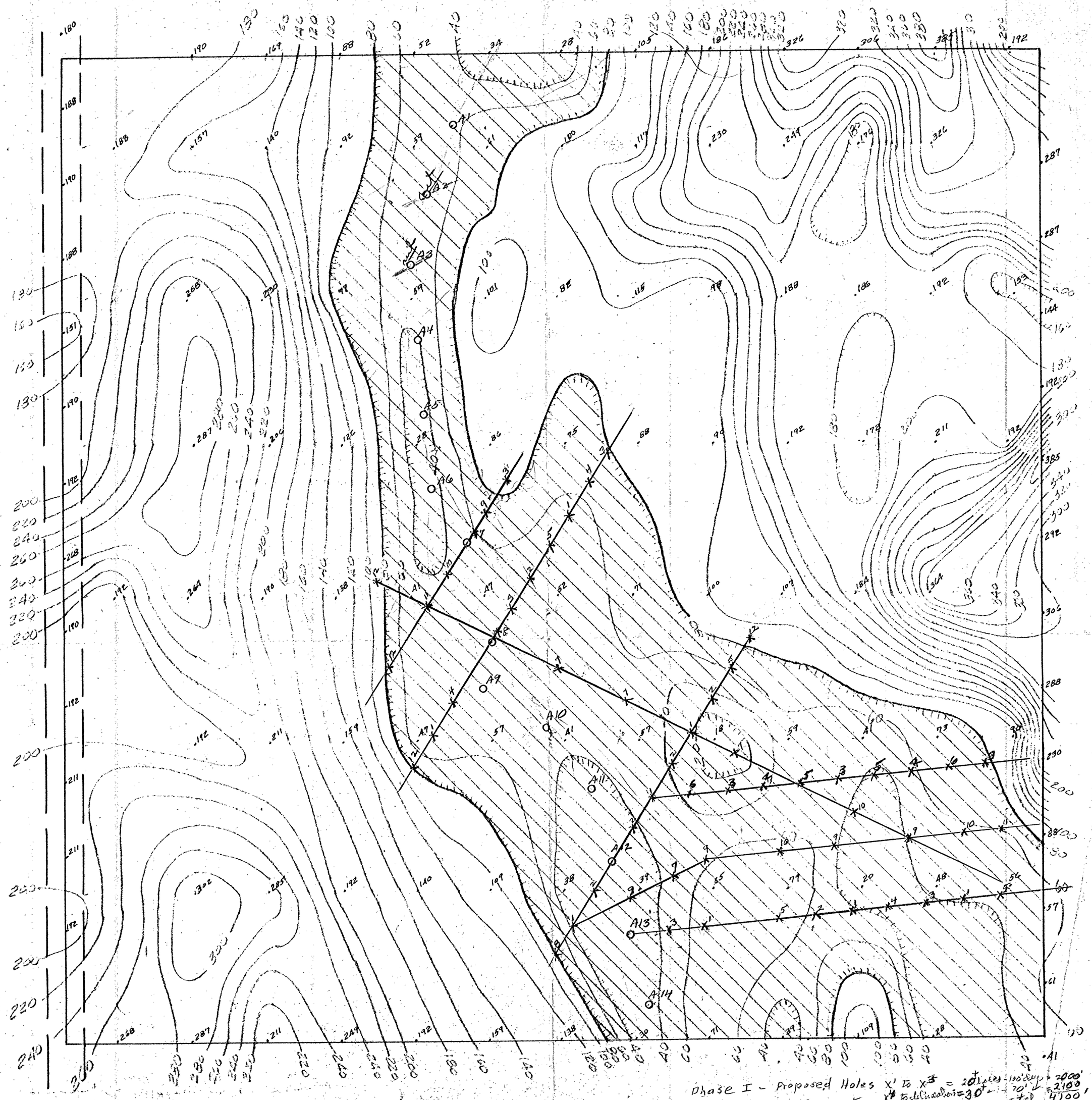


ALLEN TRACT
FOUR CORNERS AREA
STANDARD MNG. CORP.

scale 1" = 100' may 1951

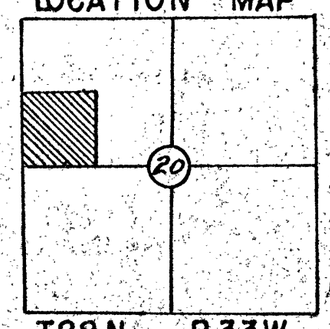
wm. stewart eng. co.

FOUR CORNERS AREA
STANDARD MNG. CORP.
scale 1"=100' may 1951
wm. stewart eng. co.



Phase I - Proposed Holes X' to X-3 = 20 lines - 100' sep = 2000'
Phase II - " " X# to Circulation = 30 " - 70' " = 2100'
total 4100'

LOCATION MAP



T.28 N. R.33 W.

ELECTRICAL RESISTIVITY SURVEY
ALLEN TRACT

JASPER COUNTY, MO.
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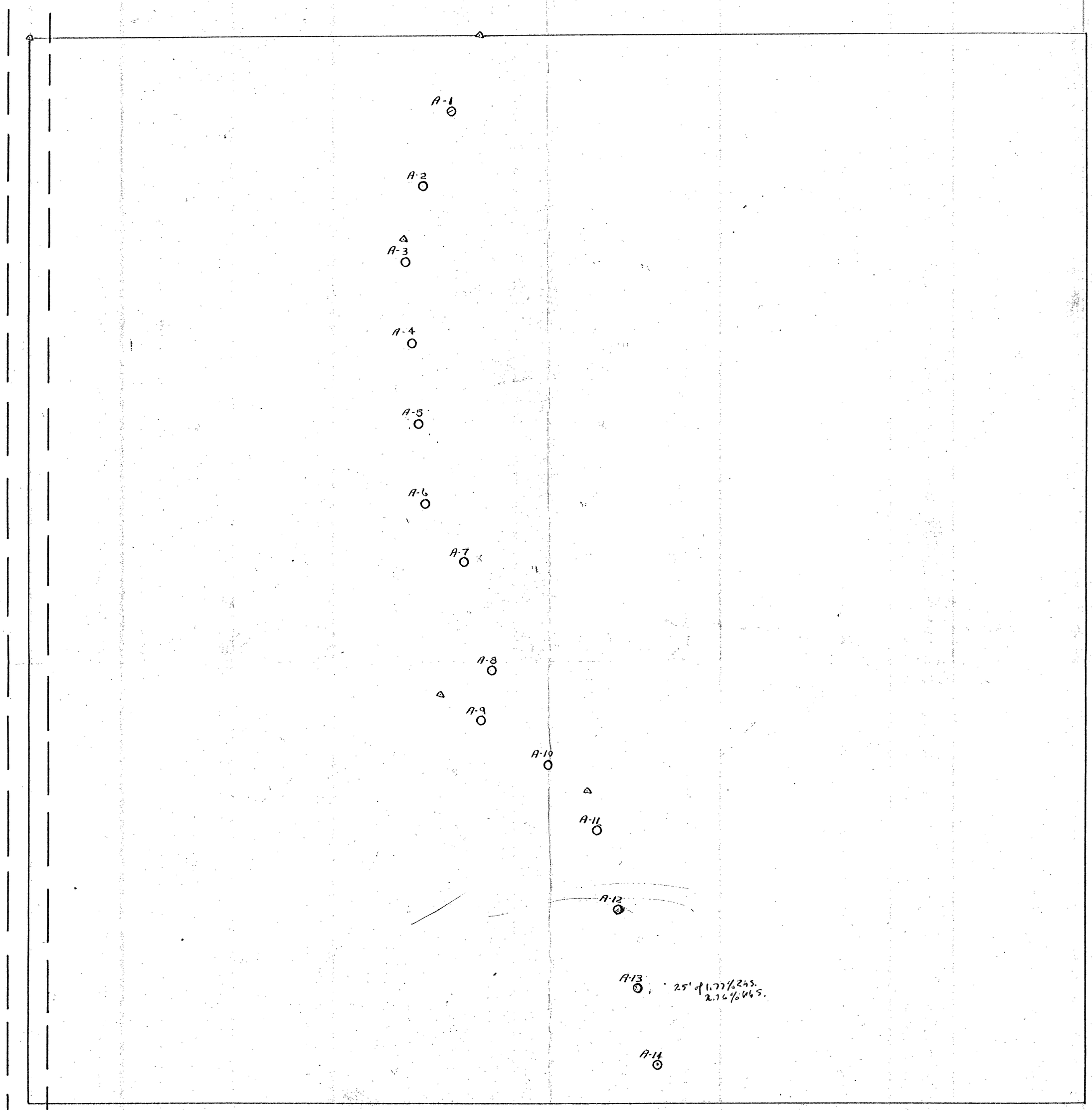
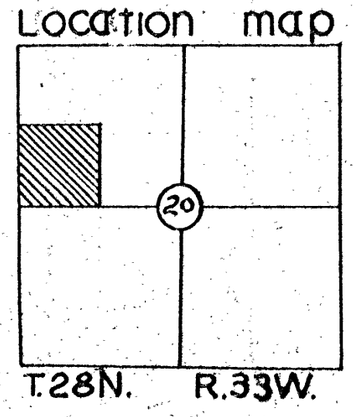
APRIL, 1951
SCALE: 1" = 100'



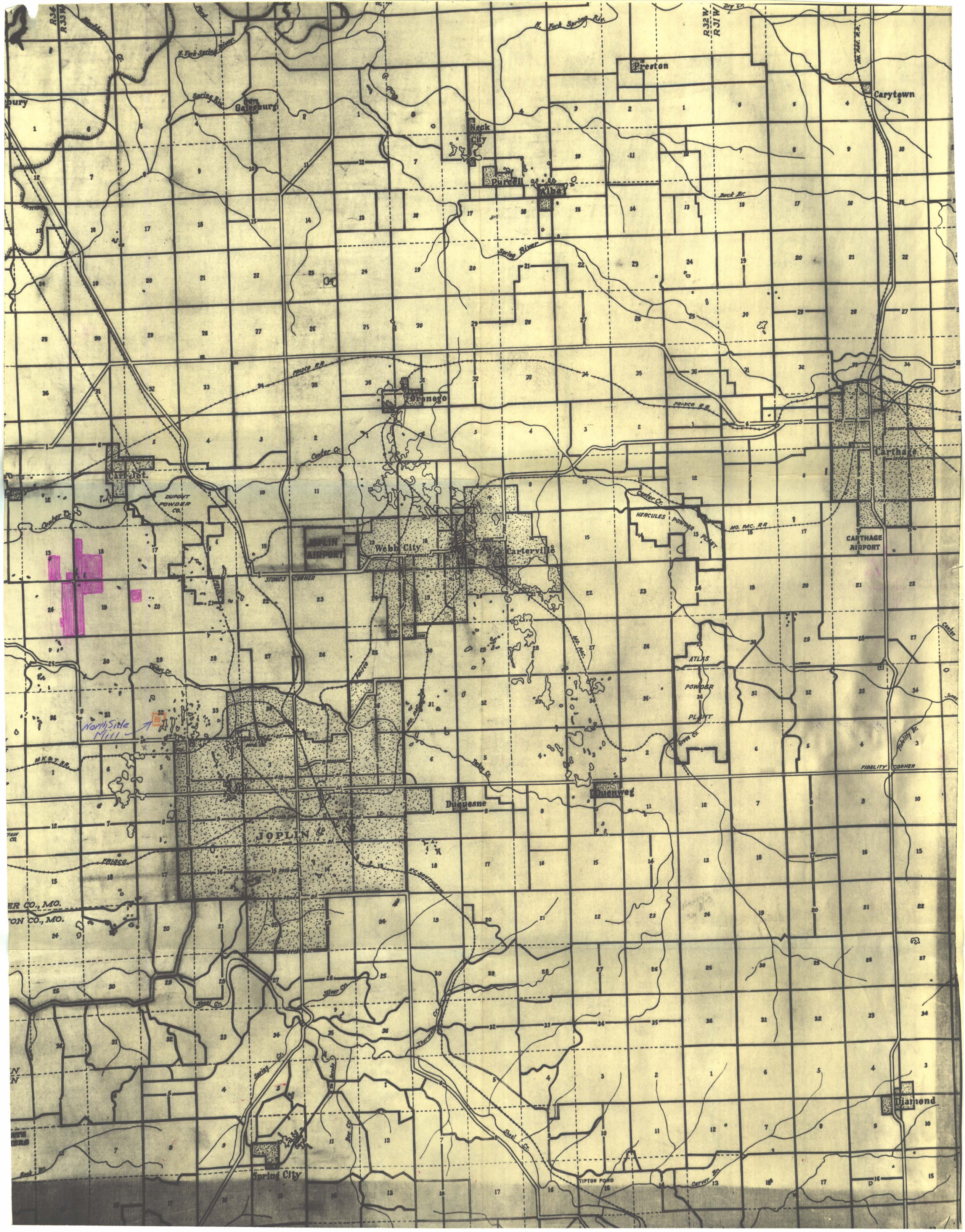
Location map



ALLEN TRACT
FOUR CORNERS AREA
STANDARD MNG. CORP.

scale 1" = 100' may 1951

wm. stewart eng. co.


R34
R33W
R32W
R31W
N. Fork Spring Riv.
Spring Riv.
Galesburg
Preston
Carytown
Neck City
Purcell
Spring River
Buck Br.
Dry Cr.
Frisco R.R.
Dronogo
Carl Jct.
DUPONT POWDER CO.
Center Cr.
JOPLIN AIRPORT
Webb City
Carterville
STONES CORNER
HERCULES POWDER PLANT
Mo. Pac. R.R.
Carthage
CARTHAGE AIRPORT
ATLAS POWDER PLANT
Turkey Cr.
North Side Mill
M.K.&T. R.R.
Grove Cr.
FIDELITY CORNER
Duquesne
Duenweg
JOPLIN
Frisco
N.C. SOUTHERN
ER CO., MO.
TON CO., MO.
Silver Cr.
Shoal Cr.
Spring Cr.
Thermal Cr.
Diamond
Spring City
TIPTON FORD
Carver Br.
Rock Br.