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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: PRINCESS GROUP

ALTERNATE NAMES:

BURREL
GILBERT CLAIMS

COCHISE COUNTY MILS NUMBER: 35

LOCATION: TOWNSHIP 16 S RANGE 22 E SECTION 25 QUARTER NW
LATITUDE: N 32DEG 01MIN 04SEC LONGITUDE: W 110DEG 03MIN 27SEC
TOPO MAP NAME: DRAGOON - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER SULFIDE
LEAD SULFIDE
ZINC SULFIDE
SILVER
TUNGSTEN

BIBLIOGRAPHY:

KEITH, S.B., 1973, AZBM BULL. 187, P. 55
ADMMR PRINCESS GROUP FILE
ANTHONY, J.W, ET AL MINERALOGY OF AZ P. 91
AZBM BULL. 148, P. 44

PRINCESS GROUP

COCHISE COUNTY

RI 5650 1960 p. 50 (Burrell Claims)

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

413 Home Builders Bldg.

June 19, 1942

Mr. L. J. Burrell
Dragoon, Arizona

Dear Mr. Burrell:

I am enclosing a copy of Mine Owner's Report filed with this department covering the PRINCESS GROUP in Cochise County.

I shall be glad to submit this report to anyone making inquiry for a property such as yours.

Assuring you of my desire to be helpful, and with best wishes, I am

Yours very truly,

J. S. Coupal, Director

JSC:LP
Enc.

BELL MINING CO. (LESSEES & OPERATORS)

Dragoon, Arizona

MINE: PRINCESS MINE, Dragoon Dist., Cochise Co. 2 MI SW of Dragoon.

OWNER: Alpine Development Co.- Tony Martin, Dragoon, Manager

9 unpatented claims in Sunflower Group

4 " " " " Dark Horse Group

10-4-55

Reference:

215650, 1960, p. 50
(Burrill Claims)

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Princess Group

Date May 6, 1955.

District Dragoon District ----- Cochise Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Matt Lee, Dragoon. Not visited.

Location 1 mile west of Dragoon---- alongside railroad tracks and north of the railroad.

Number of Claims 7 unpatented claims.

Owners Alpine Development Co. consisting of Mike Mihch, Tony Martin, et. al.

Operators Same as above.

Principal Minerals and Metals Copper in the form of carbonates, highly siliceous.

Number of Men Employed None now. Expect to start operating about May 15th.

Production None now. Expect to start production about May 15th.

Ore Values Highly siliceous copper carbonates, running from 3 % to 5 % copper.

Present Mine Workings

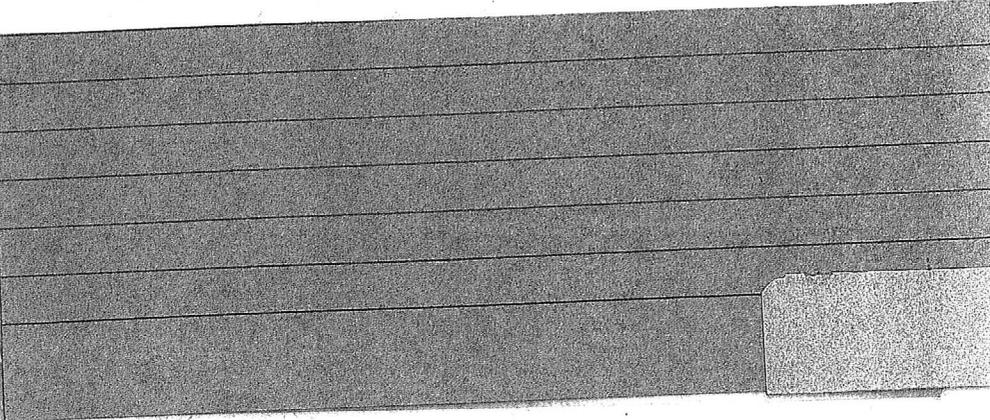
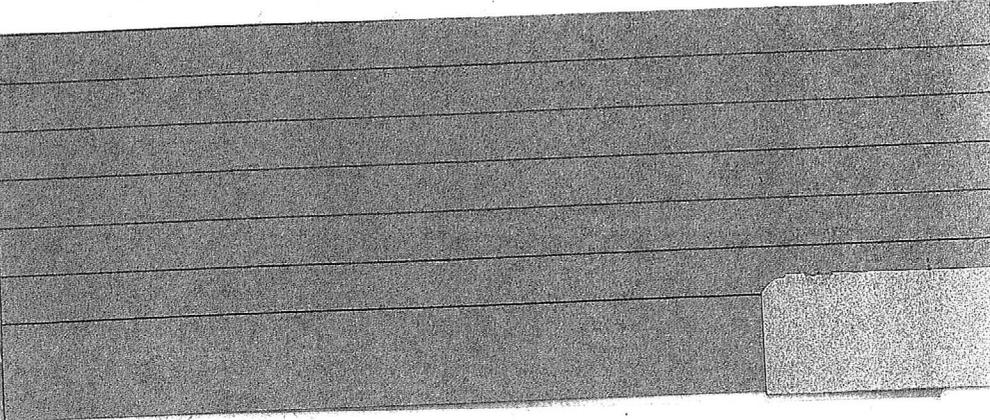
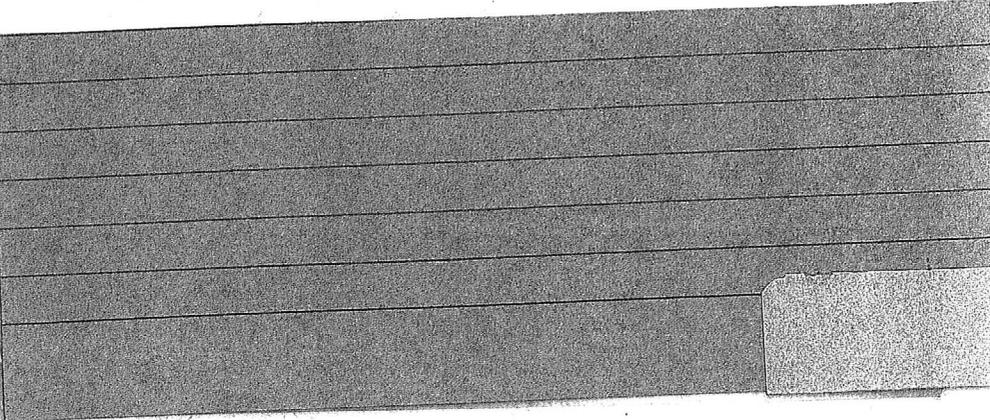
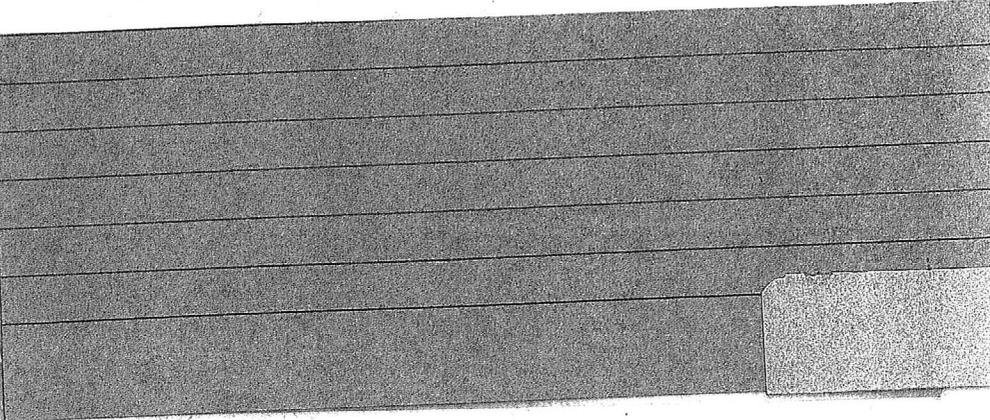
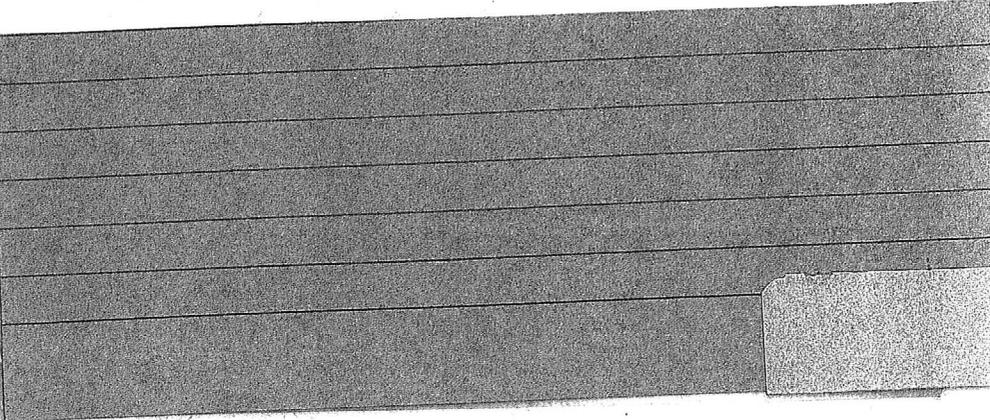
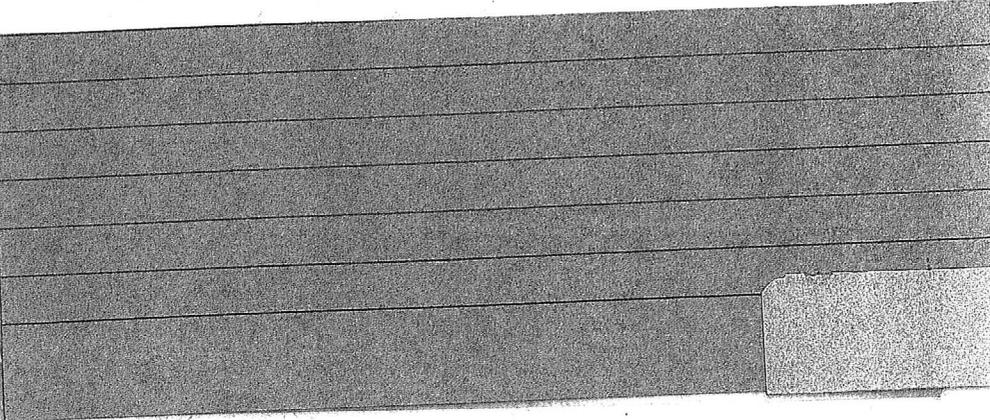
2 vertical shafts, about 500 ft. in depth.
about 3 or 4 open cuts, about 80 to 90 ft. deep.

Past Production Company shipped 2 carloads of ore to the A. S. & R. smelter, El Paso, Texas about 6 months ago.

MP-33

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date: June 12, 1942

1. Mine: Princess Group
2. Location: One mile from Dragoon, Ariz.
3. Mining District & County:
Dragoon Mining Dist., Cochise Co.
4. Former name: Princess Group
5. Owner: L. J. Burrell
6. Address (Owner) Dragoon, Ariz.
7. Operator: B. E. Gilbert
8. Address (Operator) Dragoon, Ariz.
9. President, Owning Co. 
10. Gen. Mgr. 
11. Mine Supt. 
12. Mill Supt. 
13. Men Employed: 
18. Operations - Present 
19. Operations - Planned: would like to sink 100 feet and cross cut about 200 or 300.
20. Number Claims, Title, etc.: 10 claims known as Princess Group, none patented.
21. Description - Topography & Geography: Elevation 4800 ft. in pass between Little and Big Dragoon Mountains - low rolling hills.
22. Mine Workings - Amt. & Condition: One shaft 450 feet deep, one 380. Both closed and pretty badly caved in. Several shallow shafts.

(over)

MP-33

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

MINE OWNER'S REPORT

Date: June 12, 1942

- 1. Mine: Princess Group
- 2. Location: One mile from Dragoon, Ariz.
- 3. Mining District & County:
Dragoon Mining Dist., Cochise Co.
- 4. Former name: Princess Group
- 5. Owner: L. J. Burrell
- 6. Address (Owner) Dragoon, Ariz.
- 7. Operator: B. E. Gilbert
- 8. Address (Operator) Dragoon, Ariz.
- 9. President, Owning Co.
- 9A. President, Operating Co.
- 10. Gen. Mgr.
- 14. Principal Minerals: Copper & Scheelite
- 11. Mine Supt.
- 15. Production Rate
- 12. Mill Supt.
- 16. Mill: Type & Cap.:
- 13. Men Employed:
- 17. Power - Amt. & Type
- 18. Operations - Present: Sinking shaft

19. Operations - Planned:

PRINCESS GROUP

Cu, W

Cochise

2 - 1

T 16 S, R 22 E

20. Number Claims, Title,

L. J. Burrell, Dragoon

'42

21. Description - Topography & Geography: Elevation 4800 ft. in pass between Little and Big Dragoon Mountains - low rolling hills.

22. Mine Workings - Amt. & Condition: One shaft 450 feet deep, one 380. Both closed and pretty badly caved in. Several shallow shafts.

(over)

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA

MP-32

23. Geology & Mineralization: Some limestone, some garnet. Ore is in quartz lodges. Copper in north and south veins, scheelite in east and west veins.

Date: June 12, 1942

24. Ore - Positive & Probable, Ore Dumps, Tailings

24A. Dimensions and Value of Ore body: Unknown

25. Mine, Mill Equipment & Flow Sheet:

26. Road Conditions, Route: Good. One mile from Railroad station.

27. Water Supply: One mile railroad water.

28. Brief History: Has been worked for copper for several years, and found scheelite 2 years ago. No copper has been shipped since about '27 or '28.

29. Special Problems, Reports Filed:

30. Remarks: I made a deal some time ago and turned all reports, assays and carload shipping papers over to the party and when the deal fell through he never returned my papers -- so I haven't much to go by.

31. If property for sale - Price, terms and address to negotiate: Have offered lease and option 3 years time, 10 per cent royalties if development starts promptly. Purchase price \$45,000.00.

(Signed) L. J. Burrell
Dragoon, Arizona

MP-33

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date: June 12, 1942

1. Mine: Princess Group
2. Location: One mile from Dragoon, Ariz.
3. Mining District & County:
Dragoon Mining Dist., Cochise Co.
4. Former name: Princess Group
5. Owner: L. J. Burrell
6. Address (Owner) Dragoon, Ariz.
7. Operator: B. E. Gilbert
8. Address (Operator) Dragoon, Ariz.
9. President, Owing Co.
- 9A. President, Operating Co.
10. Gen. Mgr.
14. Principal Minerals: Copper & Scheelite
11. Mine Supt.
15. Production Rate
12. Mill Supt.
16. Mill: Type & Cap.:
13. Men Employed:
17. Power - Amt. & Type
18. Operations - Present: Sinking shaft

19. Operations - Planned: would like to sink 100 feet and cross cut about
200 or 300.

20. Number Claims, Title, etc.: 10 claims known as Princess Group, none patented.

21. Description - Topography & Geography: Elevation 4800 ft. in pass between
Little and Big Dragoon Mountains - low rolling hills.

22. Mine Workings - Amt. & Condition: One shaft 450 feet deep, one 380. Both
closed and pretty badly caved in. Several shallow shafts.

(over)

23. Geology & Mineralization: Some limestone, some garnet. Ore is in quartz ledges. Copper in north and south veins, scheelite in east and west veins.
24. Ore - Positive & Probable, Ore Dumps, Tailings
- 24A. Dimensions and Value of Ore body: Unknown
25. Mine, Mill Equipment & Flow Sheet:
26. Road Conditions, Route: Good. One mile from Railroad station.
27. Water Supply: One mile railroad water.
28. Brief History: Has been worked for copper for several years, and found scheelite 2 years ago. No copper has been shipped since about '27 or '28.
29. Special Problems, Reports Filed:
30. Remarks: I made a deal some time ago and turned all reports, assays and carload shipping papers over to the party and when the deal fell through he never returned my papers -- so I haven't much to go by.
31. If property for sale - Price, terms and address to negotiate: Have offered lease and option 3 years time, 10 per cent royalties if development starts promptly. Purchase price \$45,000.00.

(Signed) L. J. Burrell
Dragoon, Arizona

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Princess Mine

Date Oct. 4, 1955

District Dragoon District, Cochise Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Personal Visit & Information from R. W. Stuler, Mining Engr.

Location About 2 miles SW of Dragoon. Cross to north side of railroad tracks at town of Dragoon, and drive on NW side of railroad tracks in a southwesterly direction for about 1 1/2 miles through 2 gates.

Number of Claims ~~12~~ 13 unpatented claims. (9 claims in the Sunflower Group, and 4 claims in the Dark Horse Group)

Owners Alpine Development Co., Tony Martin, Dragoon, Manager. ✓

Lessees and Operators Bell Mining Co., Dragoon, Ariz.
John K. Asder, Manager, Dragoon, Ariz.-----Home Address Arcadia, Cal.
R. W. Stuler, Mining Engr., " " ---- " " San Bernardino, Cal.

Operating on 90 day option to lease.

Principal Minerals Low grade copper ores, some of which are high in silica.

Number of Men Working 4, including Mr. Asder and Mr. Stuler.

Production Rate No production. Operators are doing exploration work only.

Geology Copper ore is found in narrow quartz veins (1 inch to 12 ~~to~~ 15 inches) in a limestone formation; and also found, in the shaft which they are cleaning out and in an exploration drift which they are driving, as small ore lenses (about 8 ~~by~~ 12 inches ^{cross section} ~~square~~) in a rather soft shale like material in the limestone formation. The quartz veins are almost vertical, while the ore lenses in the shale like material are nearly horizontal and are dome shaped. No intrusive igneous rocks, or other rock formations can be seen for several miles away from the mine workings. Ore is all carbonates, chiefly malachite and chrysocolla, with some cuprite associated with hematite.

Ore Values A number of samples have been taken in the exploration drift being driven. Hand picked samples have averaged from 3 to 8 %. A sample taken, including the whole face of the drift, ran 0.83 %. Mr. Stuler estimates that about 8 tons of waste would have to be mined for every ton of hand sorted ore produced.

Ore in Sight and Probable No commercial ore in Sight, and none probable.

Old Mine Workings

- (1) 1 vertical shaft, about 300 ft. deep----inaccessible.
- (2) 1 vertical shaft, about 200 ft. deep--- inaccessible.
- (3) 1 vertical shaft, about 150 ft. deep--- inaccessible.
- (4) About 6 or more shallow shafts.
- (5) About a dozen or more shallow open cuts.
- (6) 1 trench ----25 ft. deep, 75 ft. long and about 18 to 24 inches wide, where ore was mined by the former operators, Alpine Development Co. last spring and summer and 2 carloads of ore shipped.

MP-33

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date: June 12, 1942

1. Mine: Princess Group
2. Location: One mile from Dragoon, Ariz.
3. Mining District & County:
Dragoon Mining Dist., Cochise Co.
4. Former name: Princess Group
5. Owner: I. J. Burrell
6. Address (Owner) Dragoon, Ariz.
7. Operator: B. E. Gilbert
8. Address (Operator) Dragoon, Ariz.
9. President, Owning Co.
- 9A. President, Operating Co.
10. Gen. Mgr.
14. Principal Minerals: Copper & Scheelite
11. Mine Supt.
15. Production Rate
12. Mill Supt.
16. Mill: Type & Cap.:
13. Men Employed:
17. Power - Amt. & Type
18. Operations - Present: Sinking shaft
19. Operations - Planned: would like to sink 100 feet and cross cut about 200 or 300.
20. Number Claims, Title, etc.: 10 claims known as Princess Group, none patented.
21. Description - Topography & Geography: Elevation 4800 ft. in pass between Little and Big Dragoon Mountains - low rolling hills.
22. Mine Workings - Amt. & Condition: One shaft 450 feet deep, one 380. Both closed and pretty badly caved in. Several shallow shafts.

(over)

23. Geology & Mineralization: Some limestone, some garnet. Ore is in quartz ledges. Copper in north and south veins, scheelite in east and west veins.
24. Ore - Positive & Probable, Ore Dumps, Tailings
- 24A. Dimensions and Value of Ore body: Unknown
25. Mine, Mill Equipment & Flow Sheet:
26. Road Conditions, Route: Good. One mile from Railroad station.
27. Water Supply: One mile railroad water.
28. Brief History: Has been worked for copper for several years, and found scheelite 2 years ago. No copper has been shipped since about '27 or '28.
29. Special Problems, Reports Filed:
30. Remarks: I made a deal some time ago and turned all reports, assays and carload shipping papers over to the party and when the deal fell through he never returned my papers -- so I haven't much to go by.
31. If property for sale - Price, terms and address to negotiate: Have offered lease and option 3 years time, 10 per cent royalties if development starts promptly. Purchase price \$45,000.00.

(Signed) L. J. Burrell
Dragoon, Arizona

MP-33

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date: June 12, 1942

1. Mine: Princess Group
2. Location: One mile from Dragoon, Ariz.
3. Mining District & County:
Dragoon Mining Dist., Cochise Co.
4. Former name: Princess Group
5. Owner: L. J. Burrell
6. Address (Owner) Dragoon, Ariz.
7. Operator: B. E. Gilbert
8. Address (Operator) Dragoon, Ariz.
9. President, Owing Co.
- 9A. President, Operating Co.
10. Gen. Mgr.
14. Principal Minerals: Copper & Scheelite
11. Mine Supt.
15. Production Rate
12. Mill Supt.
16. Mill: Type & Cap.:
13. Men Employed:
17. Power - Amt. & Type
18. Operations - Present: Sinking shaft
19. Operations - Planned: would like to sink 100 feet and cross cut about 200 or 300.
20. Number Claims, Title, etc.: 10 claims known as Princess Group, none patented.
21. Description - Topography & Geography: Elevation 4800 ft. in pass between Little and Big Dragoon Mountains - low rolling hills.
22. Mine Workings - Amt. & Condition: One shaft 450 feet deep, one 380. Both closed and pretty badly caved in. Several shallow shafts.

(over)

M.P. - 33

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

June 12 1942

- 1. Mine Princess Group
- 2. Location One mile from Dragoon Ariz
- 3. Mining District & County Dragoon mining dis. Cochise Co
- 4. Former name Princess Group
- 5. Owner L. J. Bunell
- 6. Address (Owner) Dragoon Ariz
- 7. Operator B. E. Gilbert
- 8. Address (Operator) Dragoon Ariz
- 9. President, Owning Co.
- 9A. President, Operating Co.
- 10. Gen. Mgr.
- 14. Principal Minerals Copper and Shelite
- 11. Mine Supt.
- 15. Production Rate
- 12. Mill Supt.
- 16. Mill: Type & Cap.
- 13. Men Employed
- 17. Power: Amt. & Type
- 18. Operations: Present Sinking shaft

19. Operations: Planned would like to sink 100ft and cross cut about 2 or 3 hundred

20. Number Claims, Title, etc. 10 Claims known as Princess Group none patented

21. Description: Topography & Geography Elevation 4800ft in Pass between little and Big Dragoon mountains, low rolling hills

22. Mine Workings: Amt. & Condition one shaft 450 ft deep, one 380 both closed and pretty badly caved in several shallow shafts.

23. Geology & Mineralization *is in limestone. S n. Garnet ore is in quartz ledges copper in north and south veins Shelite in East and west veins*

24. Ore: Positive & Probable, Ore Dumps, Tailings

24A. Dimensions and Value of Ore body *unknown*

25. Mine, Mill Equipment & Flow-Sheet

26. Road Conditions, Route *good one mile from R.R. Station*

27. Water Supply *one mile Rail Road water*

28. Brief History *has been worked for copper for several years, and found Shelite 2 years ago. No copper has been shipped since about 27 or 28*

29. Special Problems, Reports Filed

30. Remarks *I made a deal some time ago and turned all reports assays and car load shipping papers over to the party. and when the deal fell thru. he never returned my papers. so I havent much to go by.*

31. If property for sale: Price, terms and address to negotiate. *have offered Lease and option 3 years time 10 Percent Royalties. if development starts promptly Purchase Price \$45,000 00*

32. Signature *L. J. Burrell*

33. Use additional sheets if necessary. *Dragoon Arizona*