



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the Walter E. Heinrichs, Jr. Mining Collection

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QUALITY STATEMENT

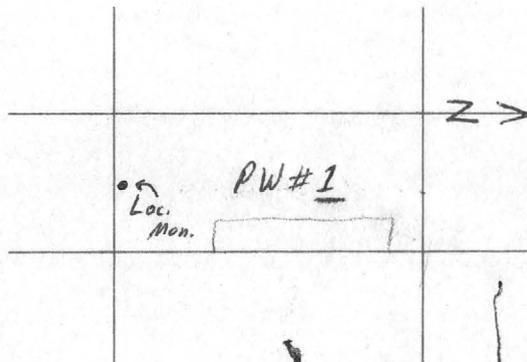
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Type 1 original + 1 cc

Notice of Location (LODE)

NOTICE IS HEREBY GIVEN that the PW#1 lode mining claim was located by Russell Badgett, Jr. on Nov., 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

this claim is about 1350 feet S12E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G. & S. R. M.



Russell Badgett, Jr. (Locator)
 X (signed) (Agent)
 Locator (Agent)

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

APPLICATION FOR MINERAL PROSPECTING PERMIT

The State Land Commissioner:

I/We Heinrichs Geoeexploration Company
(Name)

of 808 West Grant Road, P.O. Box 5964, Tucson, Arizona 85703
(Address)

do hereby make application for a mineral exploration or prospecting permit on the State lands hereinafter described, in accordance with the provisions of Title 27, Chapter 2, Article 4, Arizona Revised Statutes, such rules and regulations as the Commissioner may prescribe and the terms of the permit.

Subdivision	Section	Township	Range	Acres	County	Grant
<u>(all)</u>	<u>7</u>	<u>T6S</u>	<u>R11E</u>	<u>525.48±</u>	<u>Pinal</u>	<u>IL 193</u>
	<u>''</u>	<u>''</u>	<u>''</u>	<u>80 ±</u>	<u>''</u>	<u>IL 149</u>

1. State whether individual, partnership or corporation Corporation

2. If an individual, are you a citizen of the United States? N/A

3. Age N/A Married N/A Single N/A

4. Are there valid mineral locations, claims or leases on this section? No

(describe and locate on attached plat)

5. Are there any abandoned workings on this section? No

(describe and locate on attached plat)

6. Will it be necessary to cross other state lands to reach the land under application? Yes No

7. Are there improvements or crops on the land described in No. 6 above? No

(describe and locate on attached plat)

8. Are there improvements or crops on the land under application Yes No

9. Describe proposed routes of ingress and egress to land under application.

An unimproved dirt road runs through the western half of this section
and originates on U.S. Highway 80, 89.

CERTIFICATION:

I/WE hereby certify under penalty of perjury that the information contained and statements herein made are to the best of (my or our) knowledge and belief true, correct and complete.

Dated this 2 day of November, A.D. 19 71.

Heinrichs Gasexploration Company
(Applicant)

By W. E. H. Jr

Address _____

THE FOLLOWING IS NOT TO BE FILLED IN BY APPLICANT

Fee Received _____ Amount _____ Receipt No. _____

Approved for the period of _____ Beginning _____ Expiring _____

Recorded by _____ Approved or Denied by _____ Date _____

If Denied, Cause: _____

Special provisions to be added to permit _____

APPLICATION FOR MINERAL PROSPECTING PERMIT

The State Land Commissioner:

I/We _____
(Name)

of _____
(Address)

do hereby make application for a mineral exploration or prospecting permit on the State lands hereinafter described, in accordance with the provisions of Title 27, Chapter 2, Article 4, Arizona Revised Statutes, such rules and regulations as the Commissioner may prescribe and the terms of the permit.

Subdivision	Section	Township	Range	Acres	County	Grant
-------------	---------	----------	-------	-------	--------	-------

<i>E 1/2 of the south</i>						
<i>3960</i>						
<i>3960 feet of</i>	<i>1</i>	<i>T6S</i>	<i>R10E</i>	<i>240±</i>	<i>Pinal</i>	<i>I.L. 2108216</i>

2640
1320
3960

1. State whether individual, partnership or corporation *''*

2. If an individual, are you a citizen of the United States? *#*

3. Age Married Single

4. Are there valid mineral locations, claims or leases on this section? *No*

(describe and locate on attached plat)

5. Are there any abandoned workings on this section? *No*

(describe and locate on attached plat)

6. Will it be necessary to cross other state lands to reach the land under application? Yes No

7. Are there improvements or crops on the land described in No. 6 above? *No*

(describe and locate on attached plat)

8. Are there improvements or crops on the land under application Yes No

9.) An unimproved road runs along the south side line of this section and originates on U.S. Highway 80, 89.

APPLICATION FOR MINERAL PROSPECTING PERMIT

The State Land Commissioner:

I/We _____
(Name)

of _____
(Address)

do hereby make application for a mineral exploration or prospecting permit on the State lands hereinafter described, in accordance with the provisions of Title 27, Chapter 2, Article 4, Arizona Revised Statutes, such rules and regulations as the Commissioner may prescribe and the terms of the permit.

Subdivision	Section	Township	Range	Acres	County	Grant
E 1/2	12	T6S	R10E	320±	Pinal	IL 210

1. State whether individual, partnership or corporation _____

2. If an individual, are you a citizen of the United States? _____

3. Age _____ Married _____ Single _____

4. Are there valid mineral locations, claims or leases on this section? No

(describe and locate on attached plat)

5. Are there any abandoned workings on this section? No

(describe and locate on attached plat)

6. Will it be necessary to cross other state lands to reach the land under application? Yes _____ No

7. Are there improvements or crops on the land described in No. 6 above? No

(describe and locate on attached plat)

8. Are there improvements or crops on the land under application Yes _____ No

9.) An unimproved dirt road runs through this section and originates
on U.S. Highway 80, 89.

Badgett

Prison - Wash Area
Verbal go-ahead 11/1/71

STATE GROUND

JOB 671 11/1/71

Private!

E 1/2 of Sec 12, T6S, R10E

~ 320 acres

1358

All Snd OK

E 1/2 of the S 1/2 of Sec 1, T6S, R10E

~ 240 acres

Open
Not Lota 1-4
480
E 1/2 W 1/2
E 1/2

O.K.
480 acres

Sec 7 T6S, R11E

~ 640 acres

State Land Office checked 11/1/71

PH 271-4634 Max

640

T6S, R11E

320

160

Secs 17, 18, 19 & 20 are they Fed mineral?

OK

80

Sec 8 State? open for P.P.?

YES YES

40

20

640

T6S, R10E

80

560

Sec 13 except SW 1/4 Fed mineral

YES

160

400+

Is Sec 12 still open for P.P.? (E 1/2) patented

NO!

125.48

525.88

10

65

2640

1320

3960

25



AIR MAIL

HEINRICHS GEOEXPLORATION COMPANY

806 WEST GRANT ROAD. TUCSON, ARIZONA 85703. P.O. BOX 5964. PHONE: (602) 623-0578

December 10, 1971

Mr. Russell Badgett, Jr.
1822 N. Main Street
Madisonville, Kentucky 40431

Re: GEOEX Job # 671
Paisano Wash Area &
GEOEX Job # 678
Roskruge Area

Dear Mr. Badgett:

Enclosed is a copy of each of the five I.P. Sectional Data Sheets and the Composite Plan for the recently completed Paisano Wash Area project near Florence, Pinal County, Arizona.

We find no I.P. response of sulfide significance on the five lines surveyed and no suggestion of pervasive alteration in the resistivity data. Apparently, the mineralization and alteration observed on the hill in Section 18 is confined mainly to the hill and doesn't appreciably extend into the alluvial covered areas. Therefore, we have abandoned this project.

The claim notices will not be recorded and the two prospecting permits applications are being dropped prior to any rental or bond payments.

We are initiating land negotiations in the Roskruge Area, Pima County, Arizona as mentioned yesterday by telephone. The area of initial interest lies in and near Section 35, T. 14 S., R. 10 E. about 6 miles north of Robles Junction on the Ajo-Tucson Highway #86. We will notify you as we reach any significant milestones.

All say hello from here.

Sincerely,
Heinrichs GEOEXploration Company

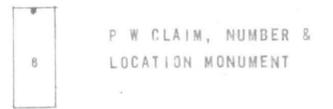
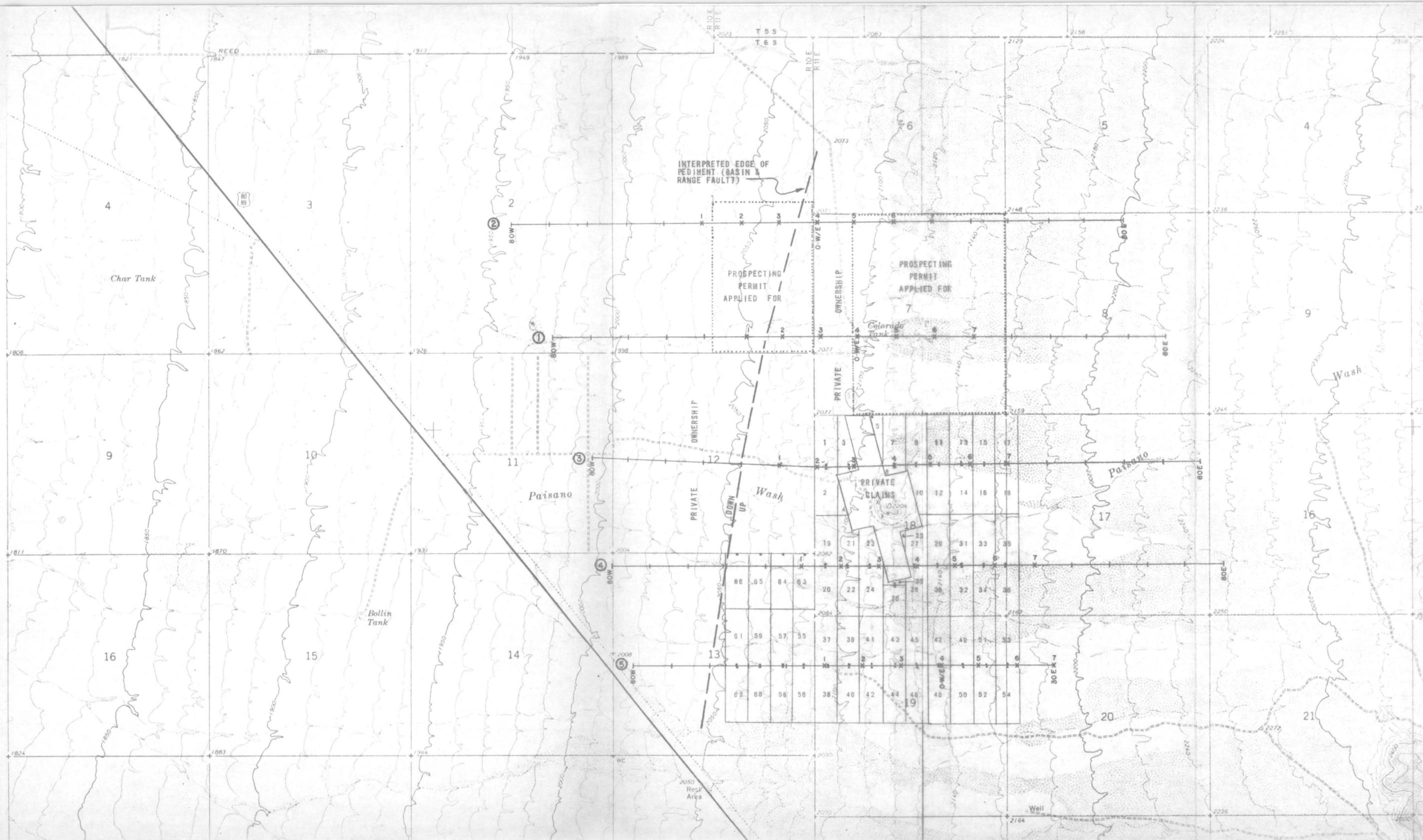
Chris S. Ludwig
Senior Geophysicist

Enclosures: 6
CSL;dm

COMPOSITE PLAN
of
PAISANO WASH AREA
(P W CLAIM GROUP)
PINAL COUNTY, ARIZONA

for
MR. RUSSELL BADGETT, JR.
by

HEINRICHS GEOEXPLORATION COMPANY
Job number 671-71 November 1971

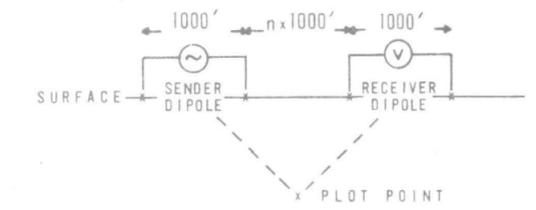


INDUCED POLARIZATION TRAVERSE
SECTIONAL DATA SHEET
for
MR. RUSSELL BADGETT, JR.

RELATIVE ANOMALY STRENGTH

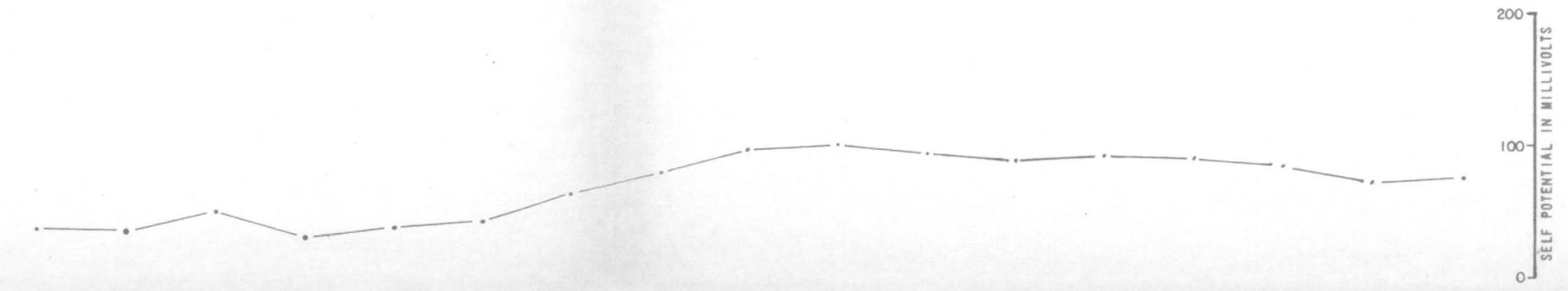
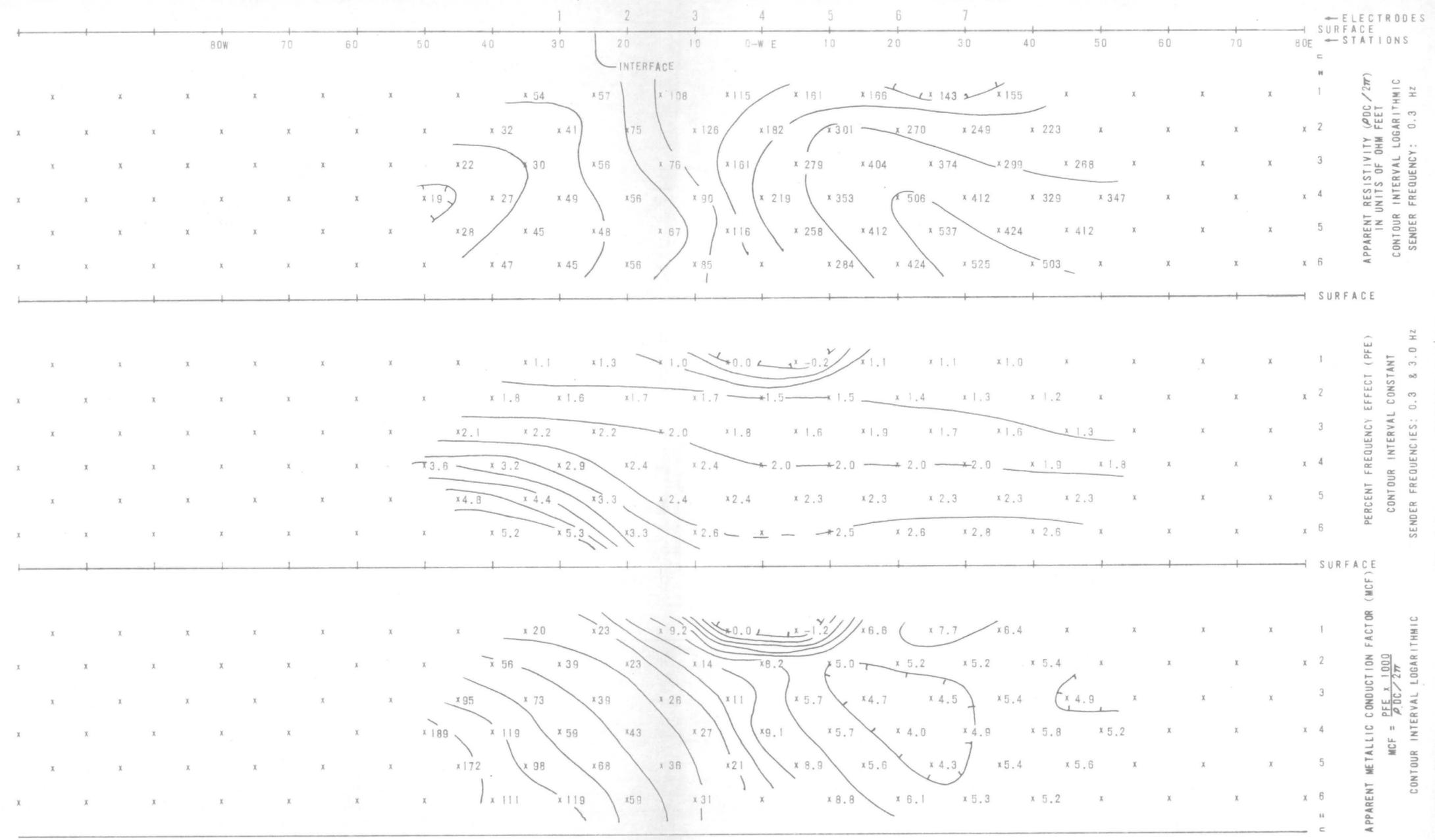


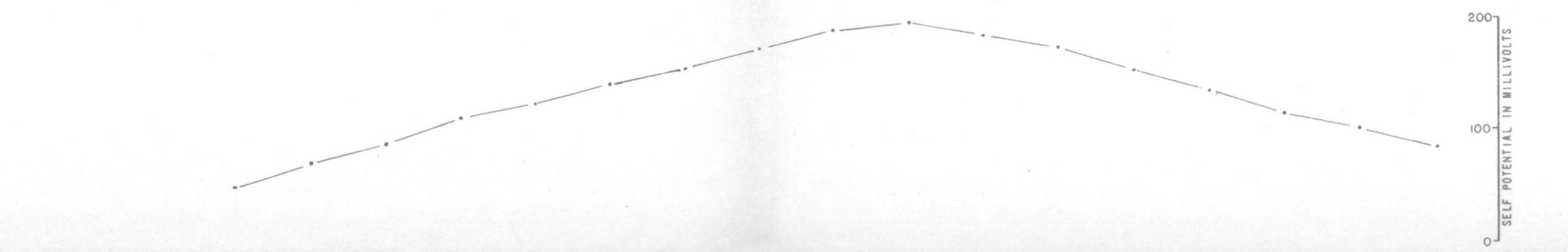
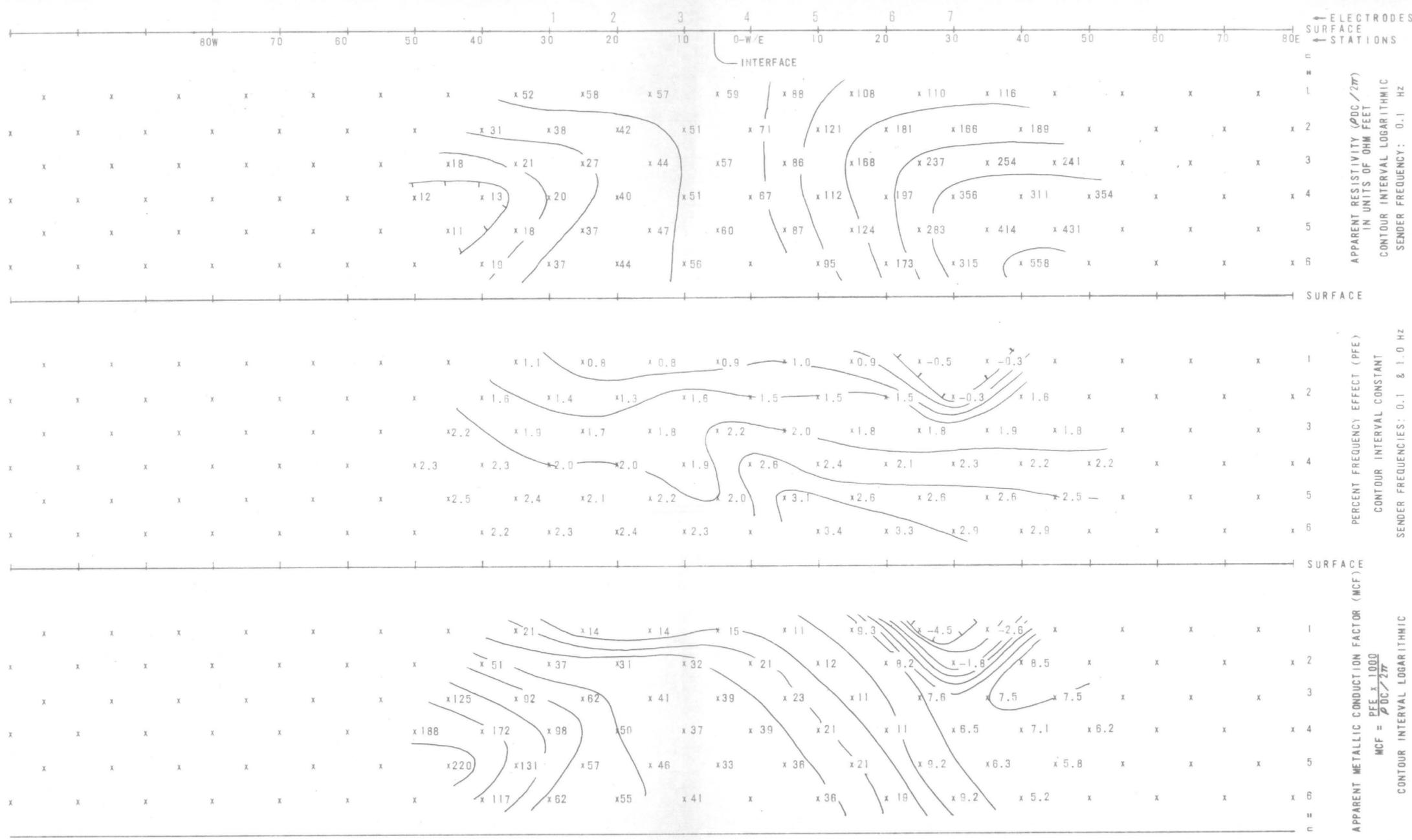
DIPOLE DIPOLE ELECTRODE ARRAY



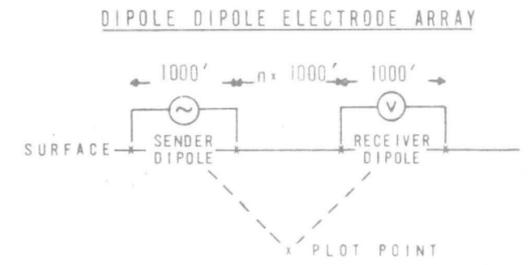
AREA
PAISANO WASH
LOOKING
NORTH
DATE
NOV 1971

HEINRICHS
GEOEXPLORATION COMPANY
AUSTRALIA (SYDNEY) 39 Hume Street Crows Nest, NSW Phone: 439-1793
U.S.A. Post Office Box 5964 Tucson, Arizona 85703 Phone: (602) 623-0578 Cable: GEOEX, Tucson
GEOLOGICAL ENGINEERS





INDUCED POLARIZATION TRAVERSE
SECTIONAL DATA SHEET
for
MR. RUSSELL BADGETT, JR.



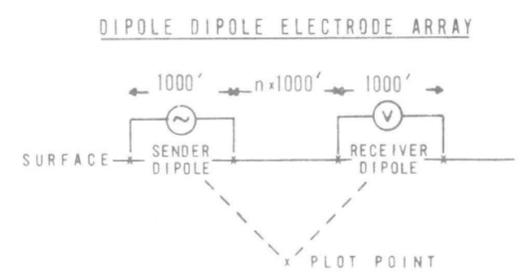
AREA
PAISANO WASH
LOOKING
NORTH
DATE
NOV 1971

**HEINRICHS
GEOEXPLORATION COMPANY**

	AUSTRALIA (SYDNEY) 39 Hume Street Crows Nest, NSW Phone: 439-1793	U.S.A. Post Office Box 5964 Tucson, Arizona 85703 Phone: (602) 623-0578 Cable: GEOEX, Tucson
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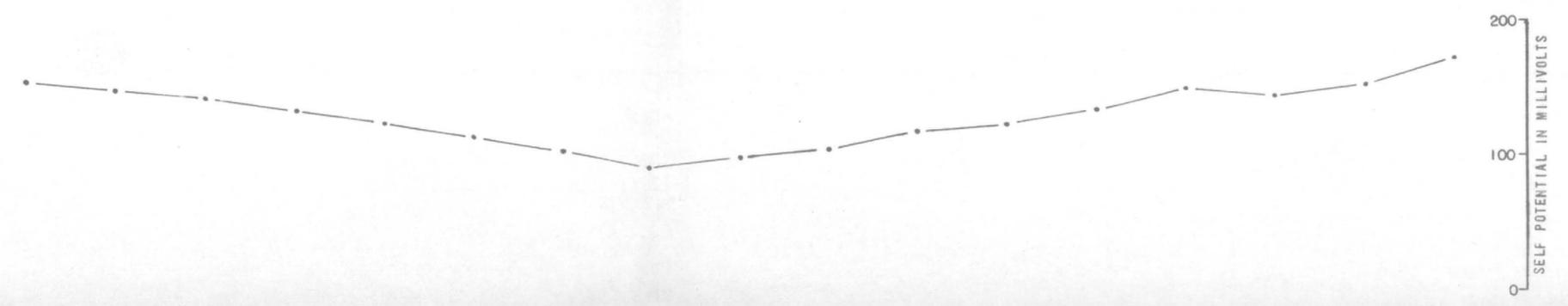
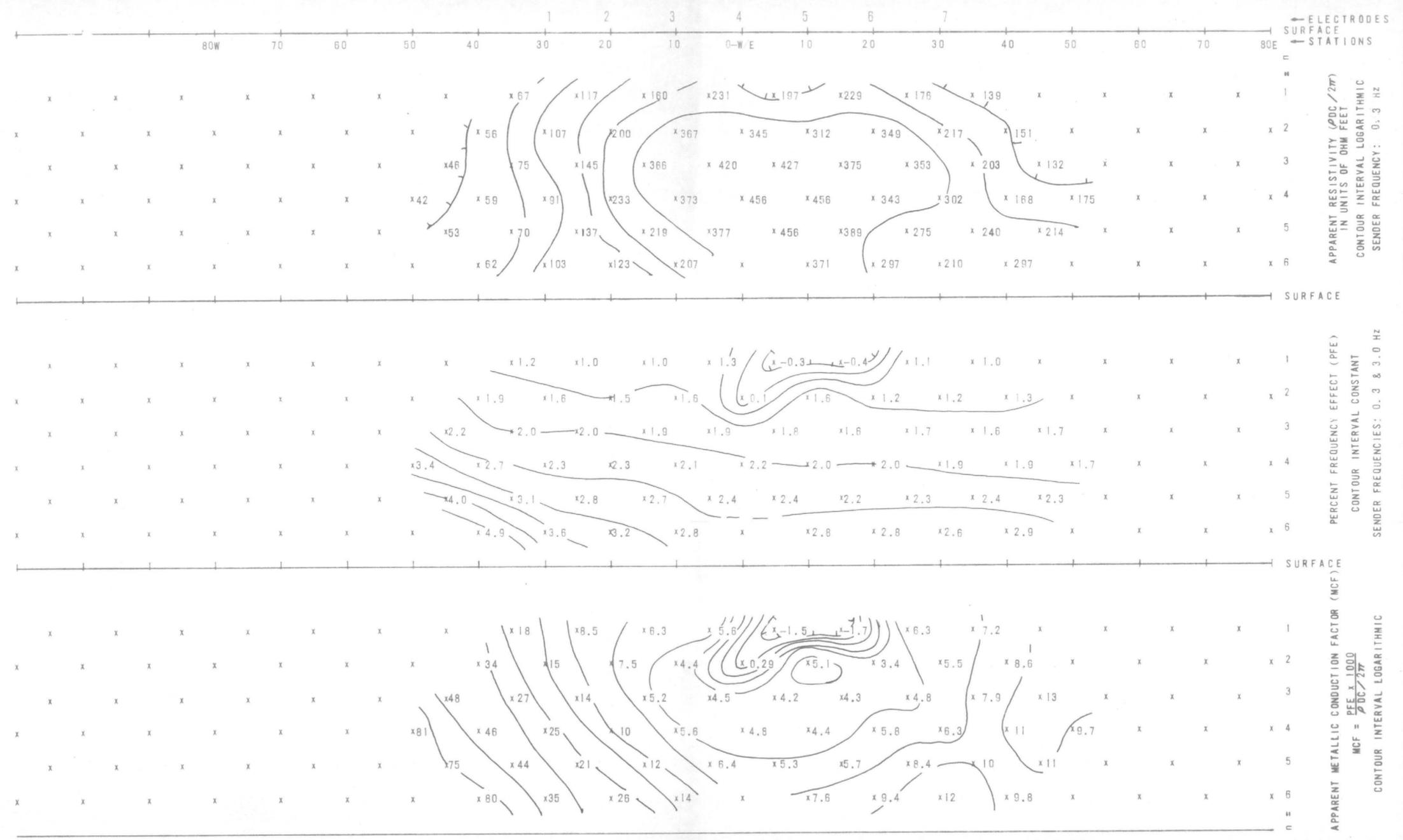
INDUCED POLARIZATION TRAVERSE
SECTIONAL DATA SHEET
for
MR. RUSSELL BADGETT, JR.

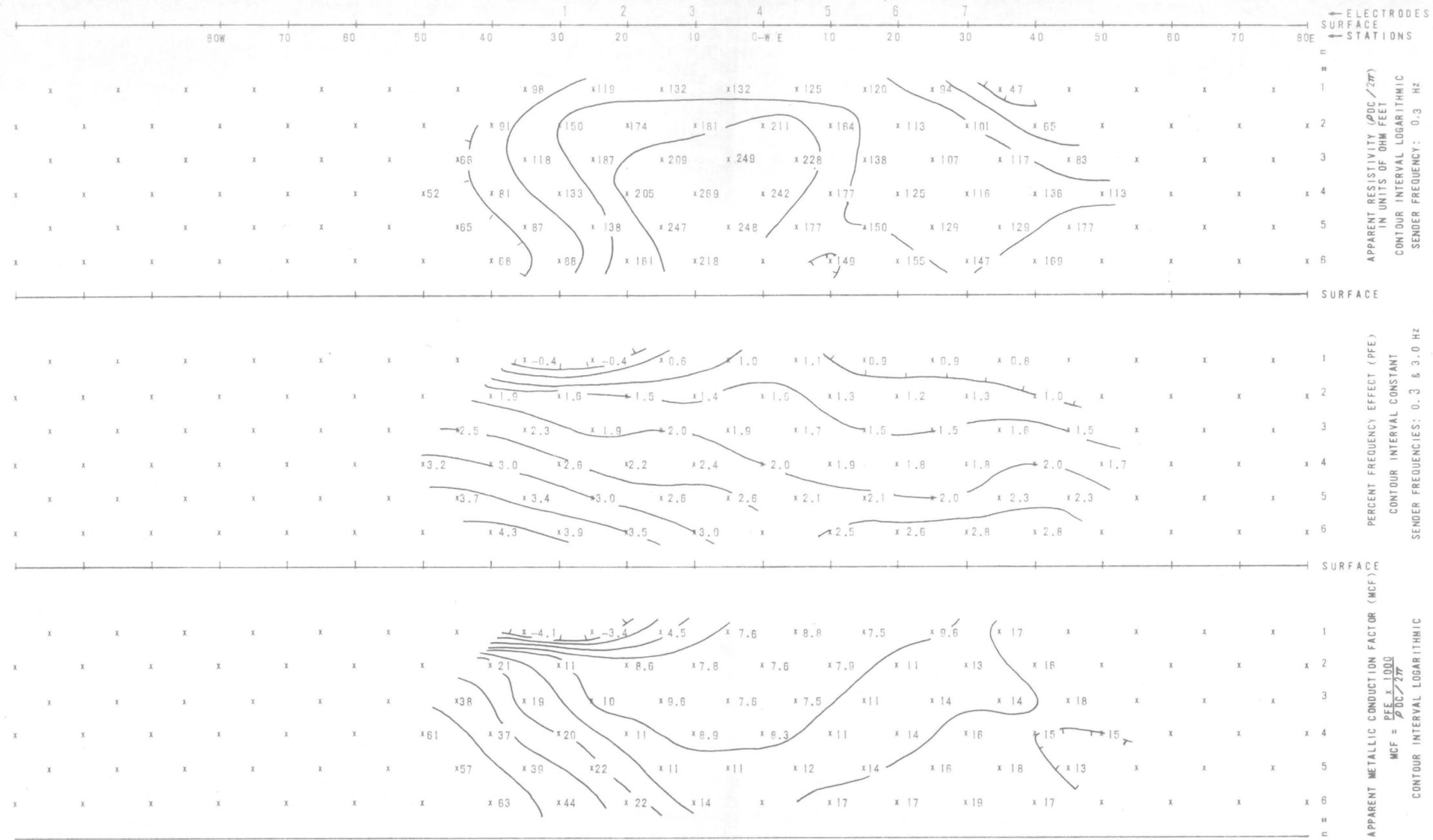
RELATIVE ANOMALY STRENGTH



AREA
PAISANO WASH
LOOKING
NORTH
DATE
NOV 1971

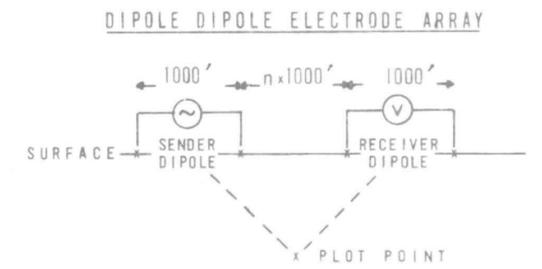
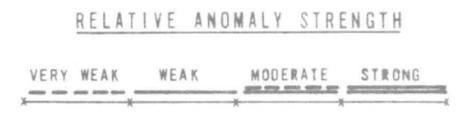
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AUSTRALIA (SYDNEY) 39 Hume Street Crows Nest, NSW Phone: 439-1793
U.S.A. Post Office Box 5964 Tucson, Arizona 85703 Phone: (602) 623-0578 Cable: GEOEX, Tucson
GEOPHYSICAL ENGINEERS



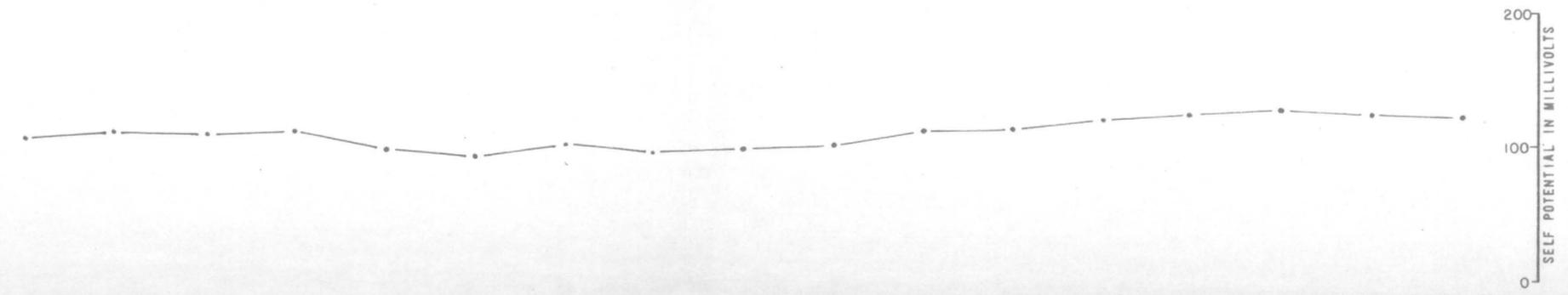


ELECTRODES SURFACE STATIONS
 APPARENT RESISTIVITY (ρ_{DC}/2πr) IN UNITS OF OHM FEET
 CONTOUR INTERVAL LOGARITHMIC
 SENDER FREQUENCY: 0.3 HZ
 PERCENT FREQUENCY EFFECT (PFE) CONTOUR INTERVAL CONSTANT
 SENDER FREQUENCIES: 0.3 & 3.0 HZ
 APPARENT METALLIC CONDUCTION FACTOR (MCF) MCF = (ρ_{EE} × 1000) / (ρ_{DC} / 2πr)
 CONTOUR INTERVAL LOGARITHMIC

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET
 for
 MR. RUSSELL BADGETT, JR.



AREA
 PAISANO WASH
 LOOKING
 NORTH
 DATE
 NOV 1971



HEINRICHS
GEOEXPLORATION COMPANY
 AUSTRALIA (SYDNEY) 39 Hume Street Crows Nest, NSW Phone: 439-1793
 U.S.A. Post Office Box 5964 Tucson, Arizona 85703 Phone: (602) 623-0578 Cable: GEOEX, Tucson

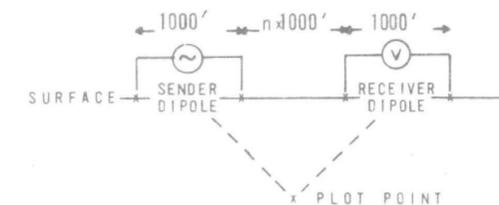
INDUCED POLARIZATION TRVERSE
SECTIONAL DATA SHEET
for

MR. RUSSELL BADGETT, JR.

RELATIVE ANOMALY STRENGTH



DIPOLE DIPOLE ELECTRODE ARRAY



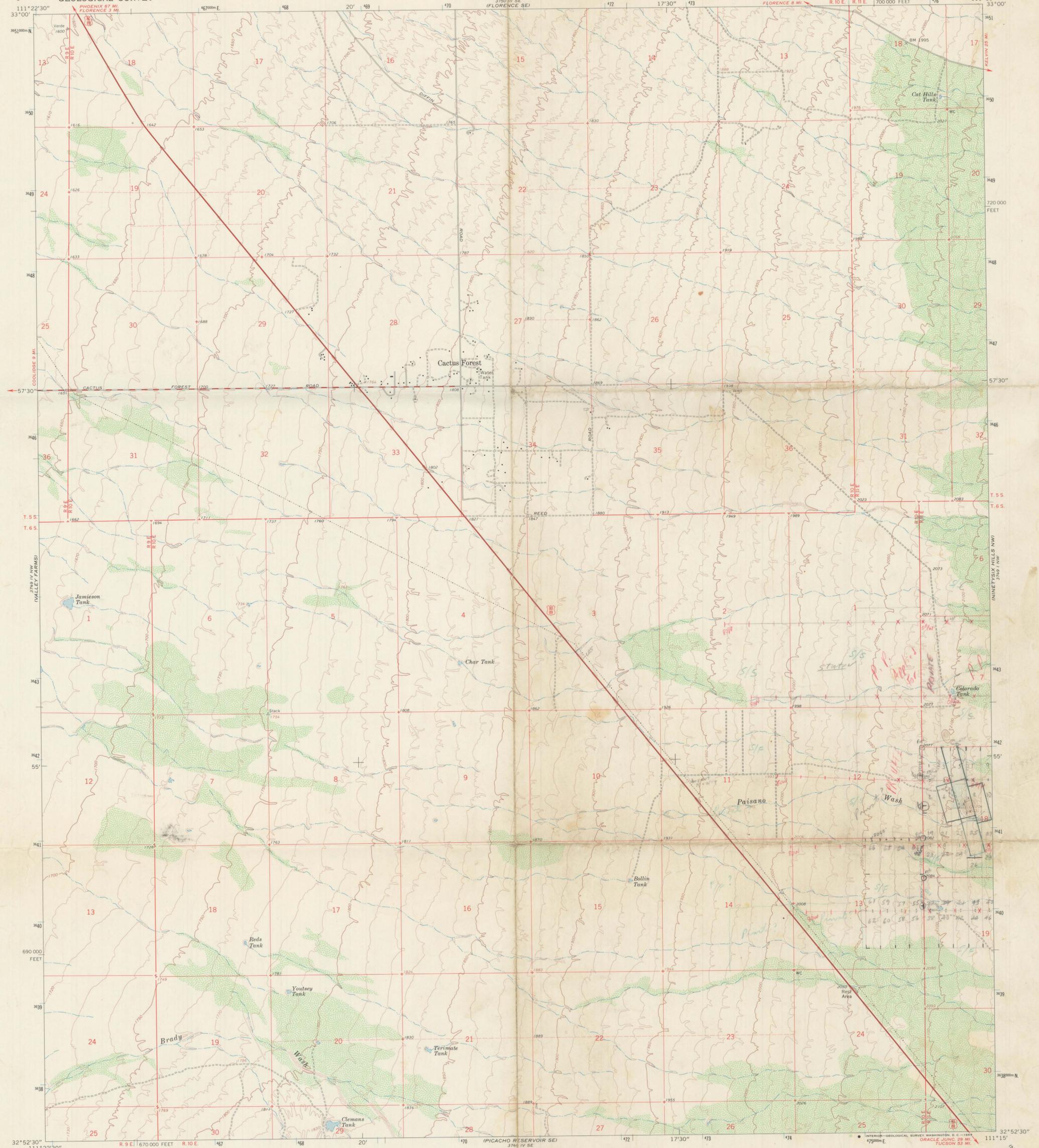
AREA
PAISANO WASH
LOOKING
NORTH
DATE
NOV 1971

**HEINRICHS
GEOEXPLORATION COMPANY**

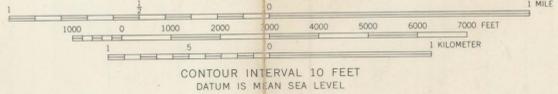
	AUSTRALIA (SYDNEY) 39 Hume Street Crows Nest, NSW Phone: 439-1793	U.S.A. Post Office Box 5964 Tucson, Arizona 85703 Phone: (602) 623-0578 Cable: GEOEX, Tucson
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GEOPHYSICAL ENGINEERS





Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by photogrammetric methods from aerial
photographs taken 1963. Field checked 1966
Polyconic projection, 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue
Fine red dashed lines indicate selected fence lines



CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL



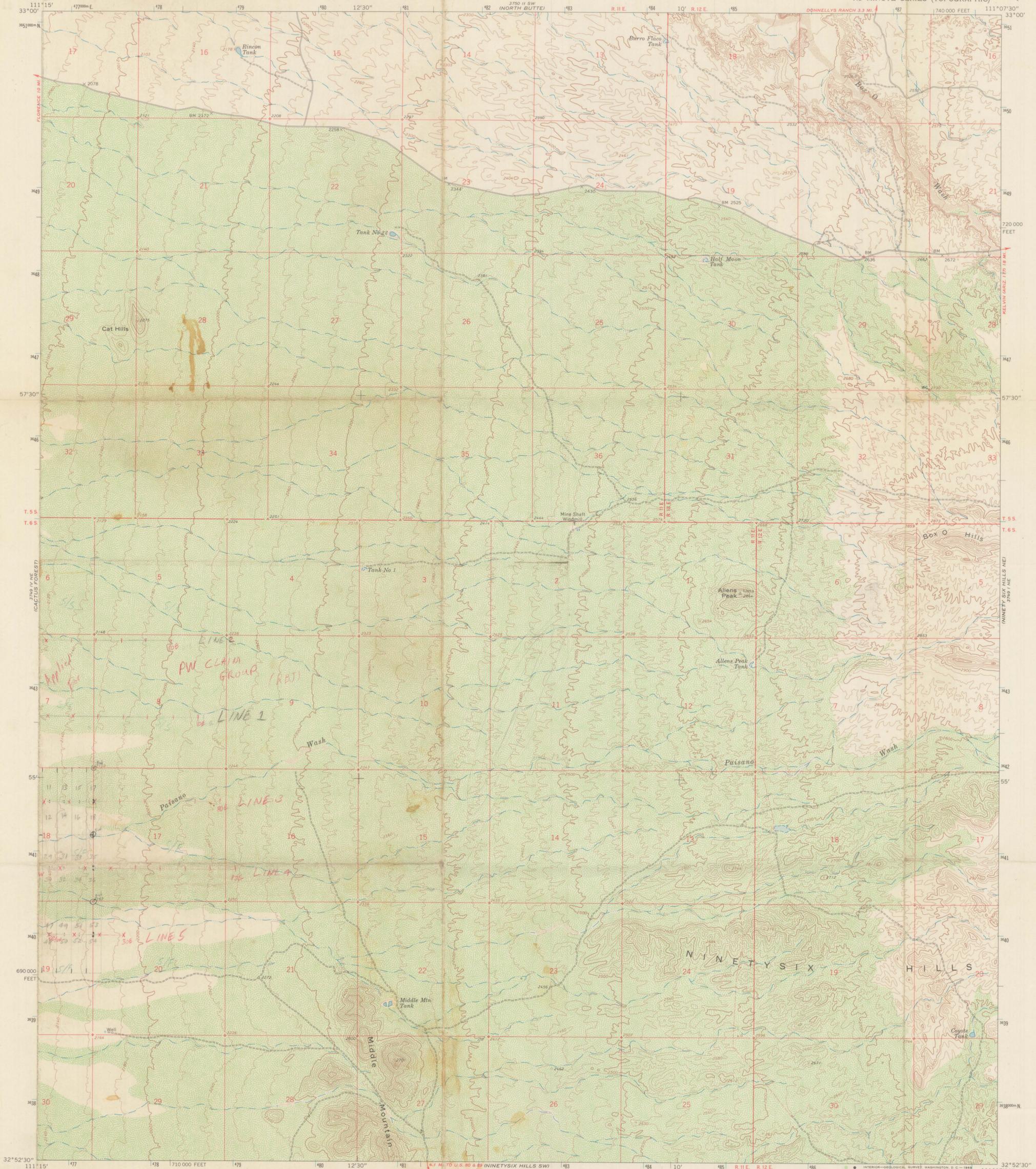
ROAD CLASSIFICATION

Heavy-duty	Light-duty
Medium-duty	Unimproved dirt
U.S. Route	

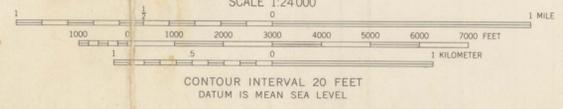
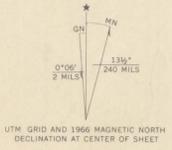
CACTUS FOREST, ARIZ.
N3252.5-W11115.7.5

1966

AMS 3749 IV NE-SERIES V898



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by photogrammetric methods from aerial
photographs taken 1962. Field checked 1966
Polyconic projection, 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue
Fine red dashed lines indicate selected fence lines



ROAD CLASSIFICATION
Light-duty ————— Unimproved dirt - - - - -

NINETYSIX HILLS NW, ARIZ.
N3252.5-W11107.5/7.5
1966
ANS 3749 I NW-SERIES V898

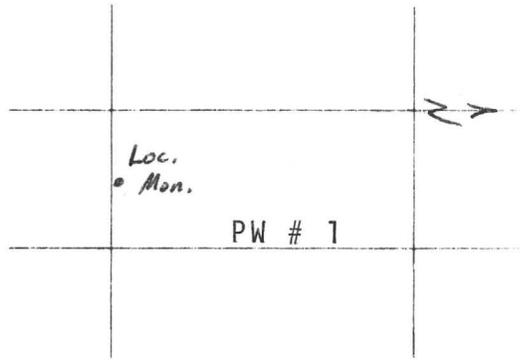
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the P.W. # 1 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1350 feet S 12 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G. & SRM.



Russell Badgett, Jr. (Locator)
Gary L. King (Agent)
Locator

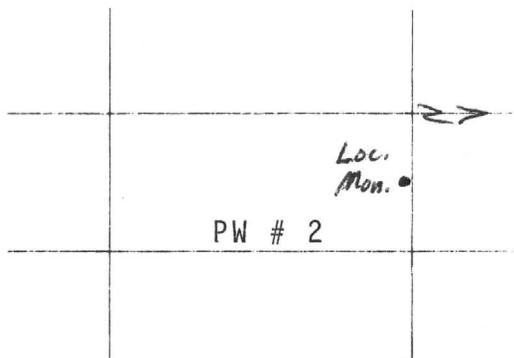
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 2 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1390 feet S 12 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary J. West (Agent)
Locator

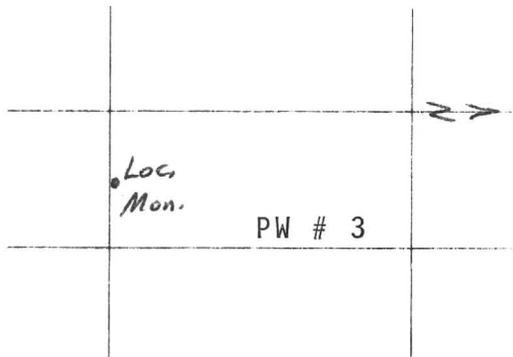
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the P.W. # 3 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1580 feet S 33 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

Gary L. King (Locator)
Locator (Agent)

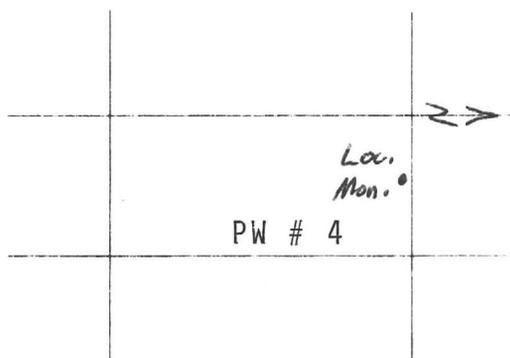
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 4 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1620 feet S 33 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

(Locator)

Gay L. Wiley

Locator

(Agent)

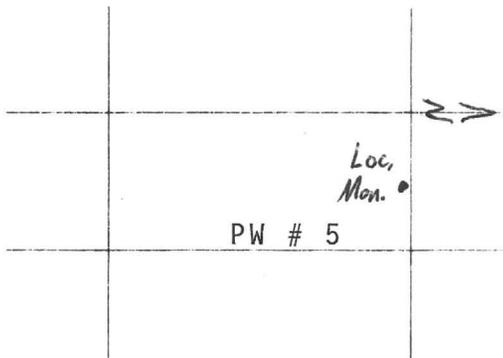
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 5 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1470 feet East of the NW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

(Locator)

Gary L. King

Locator

(Agent)

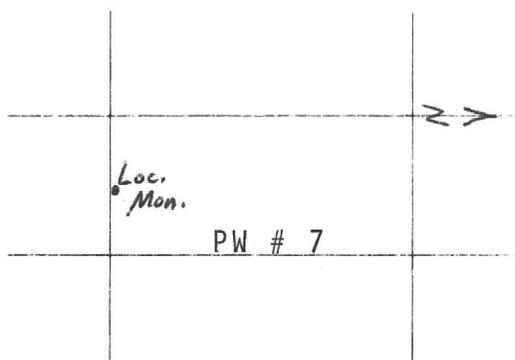
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 7 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is North-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2440 feet S 57 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

(Locator)

Gary L. King
Locator

(Agent)

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

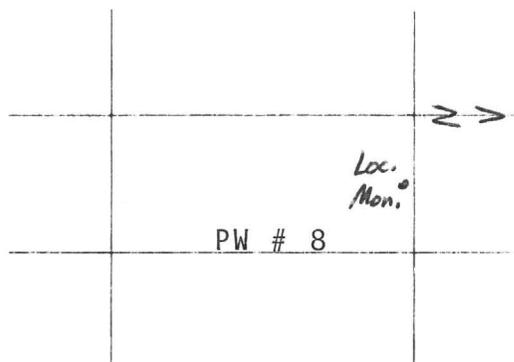
Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the PW # 8 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2470 feet S 57 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G. & SRM.

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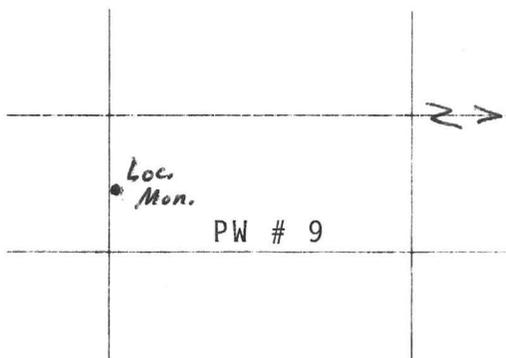
Russell Badgett, Jr. (Locator)
Gary L. [Signature] (Agent)
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 9 lode mining claim was located by Russell Badgett, Jr. on November 5, 19 71. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram. This claim is about 2940 feet S. 63. E. of the NW corner of Sec. 18, T. 6 S., R. 11 E., G. & SRM.



Russell Badgett, Jr. (Locator)
Gay L. W. (Agent)
Locator

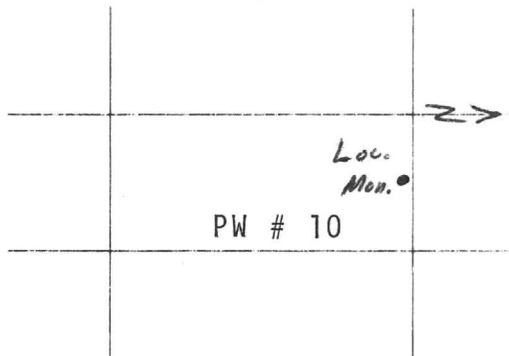
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 10 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2960 feet S. 63 E. of the NW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.
Gary L. Rex (Locator)
Locator (Agent)

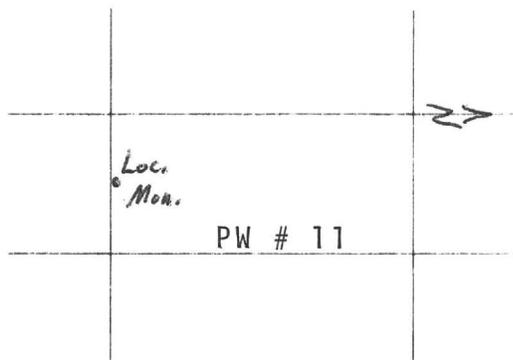
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the P.W. # 11 lode mining claim was located by Russell Badgett, Jr. on November, 19 71. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3490 feet S. 68. E. of the NW corner of Sec. 18, T. 6 S., R. 11 E., G. & SRM.



Russell Badgett, Jr. (Locator)
Gary J. [Signature] (Agent)
Locator

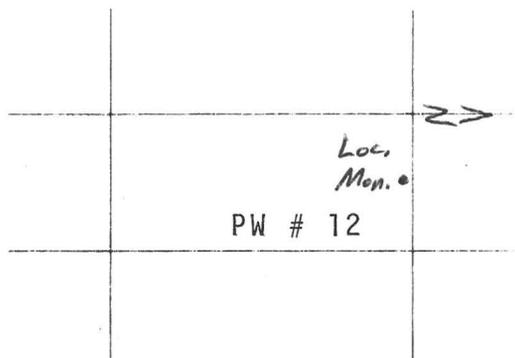
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the P.W. # 12 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3510 feet S 68 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G. & SRM.



Russell Badgett, Jr.

(Locator)

Gary L. Nif
Locator

(Agent)

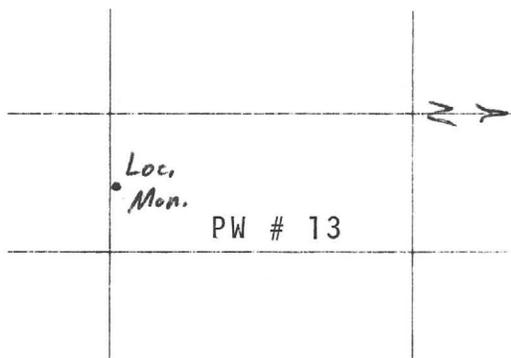
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 13 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4040 feet S 71 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. Hef (Agent)
Locator

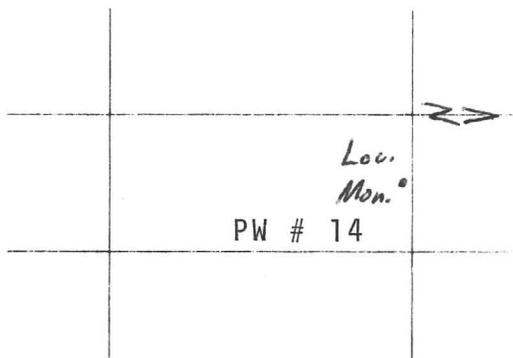
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 14 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4050 feet S 71 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. Gies (Agent)
Locator

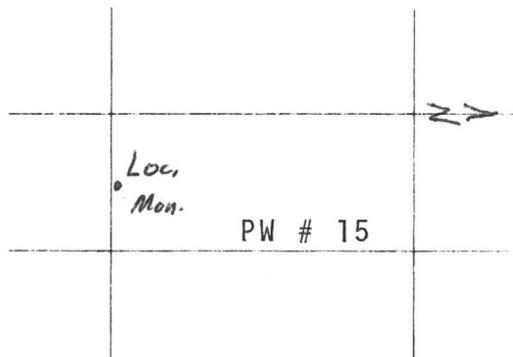
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 15 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4610 feet S 73 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)

Gary L. West (Agent)
Locator

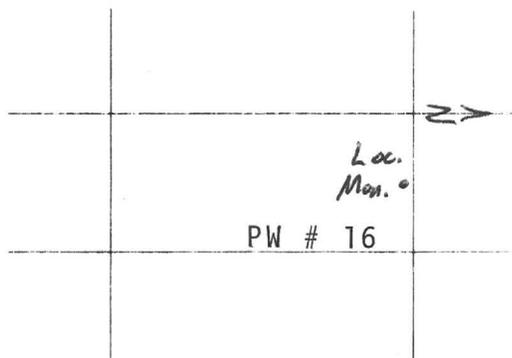
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 16 lode mining claim was located by Russell Badgett, Jr. on November 5, 19 71. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4620 feet S 73 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. Hill (Agent)
Locator

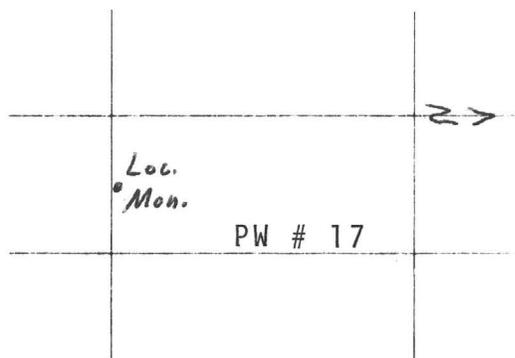
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the P.W. # 17 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This Claim is about 5190 feet S 75 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

Gay L. Hay
Locator

(Locator)
(Agent)

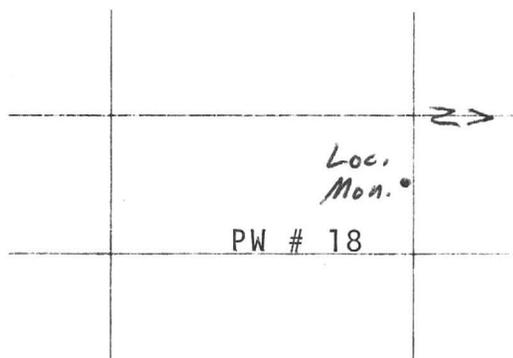
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 18 lode mining claim was located by Russell Badgett, Jr. on November 5, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 5200 feet S 75 E of the NW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



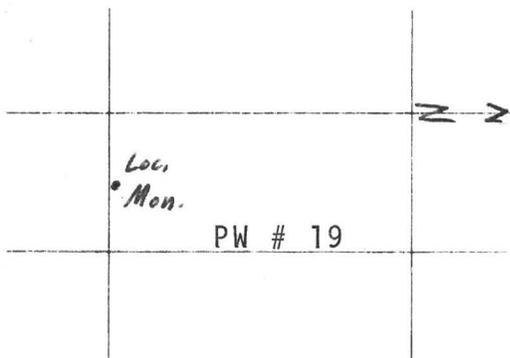
Russell Badgett, Jr. (Locator)
Gary L. [Signature] (Agent)
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location (LODE)

NOTICE IS HEREBY GIVEN that the PW # 19 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1390 feet N 12 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



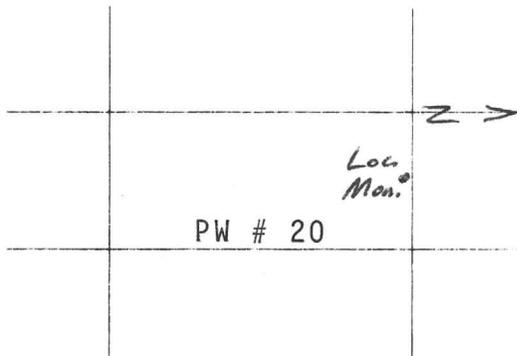
Russell Badgett, Jr. (Locator)
Gay L. Davis (Agent)
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 20 lode mining claim was located by Russell Badgett, Jr. on November 8, 19 71. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram. This claim is about 1350 feet N 12 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. Kij (Agent)
Locator

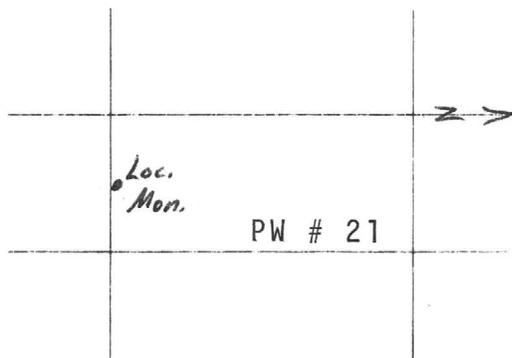
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 21 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1620 feet N. 33 E. of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary I. King (Agent)
Locator

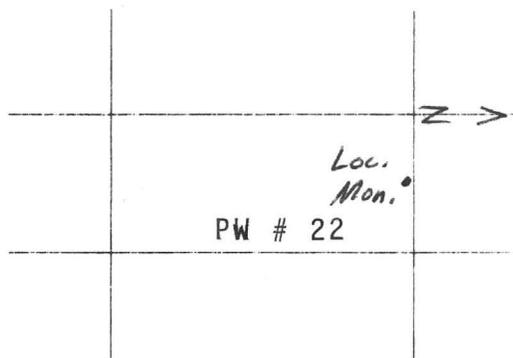
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 22 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1580 feet N 33 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



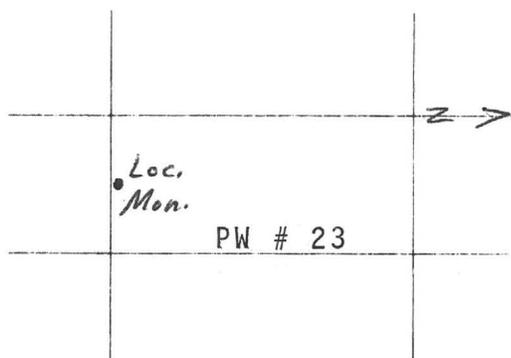
Russell Badgett, Jr. (Locator)
Gray J. Hill (Agent)
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 23 lode mining claim was located by Russell Badgett, Jr. on November 8, 19 71. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram. This claim is about 1990 feet N. 48 E. of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gay L. Ship (Agent)
Locator

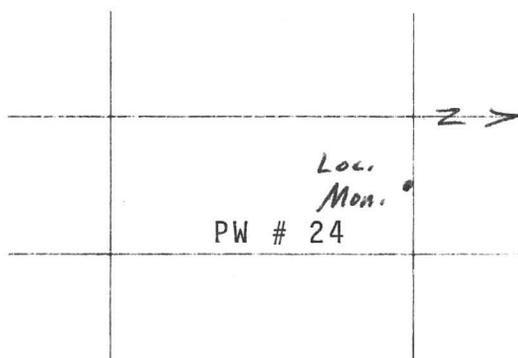
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 24 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1950 feet N 48 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. Skit (Agent)
Locator

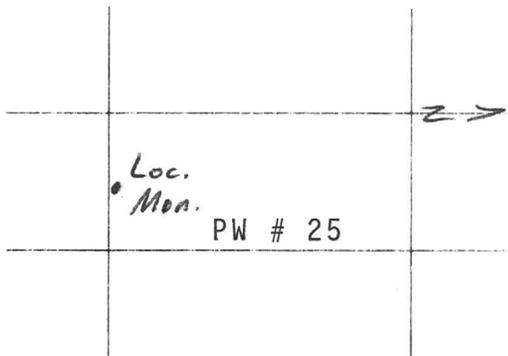
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the P.W. # 25 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2220 feet N 69 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gay L. King (Agent)
Locator

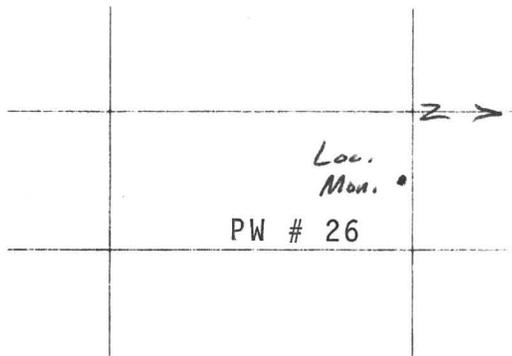
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 26 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2210 feet N 69 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. Dix (Agent)
Locator

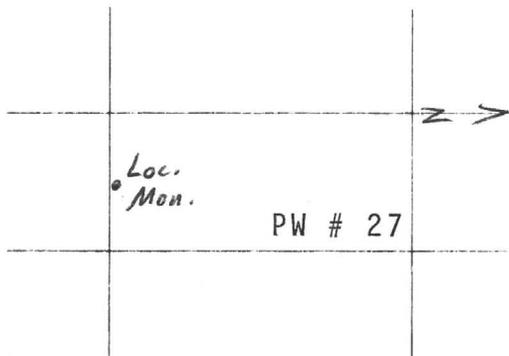
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 27 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2960 feet N 63 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



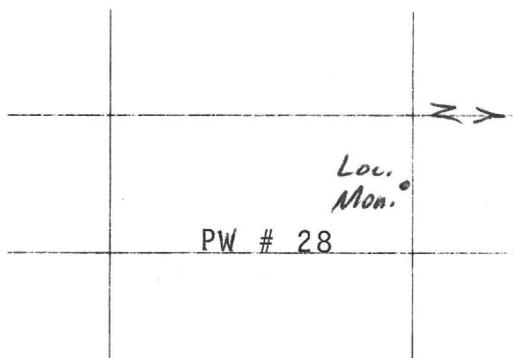
Russell Badgett, Jr. (Locator)
Gary L. Hunt (Agent)
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 28 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram. This claim is about 2940 feet N 63 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

(Locator)

Way L. Hill
Locator

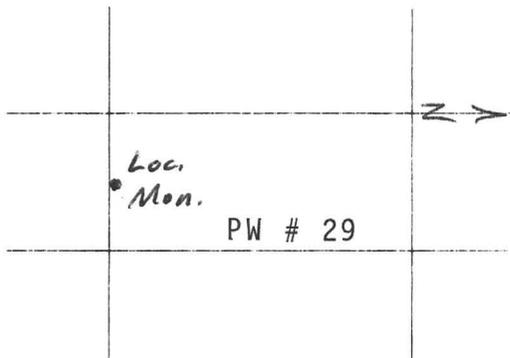
(Agent)

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 29 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram. This claim is about 3510 feet N. 68 E. of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gay L. Hill (Agent)
Locator

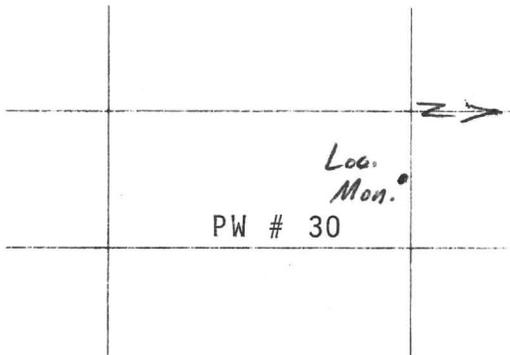
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 30 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3490 feet N. 68. E. of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. King (Agent)
Locator

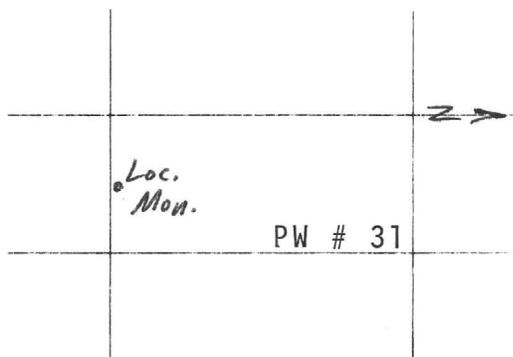
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW #31 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4050 feet N 71 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. Ny (Agent)
Locator

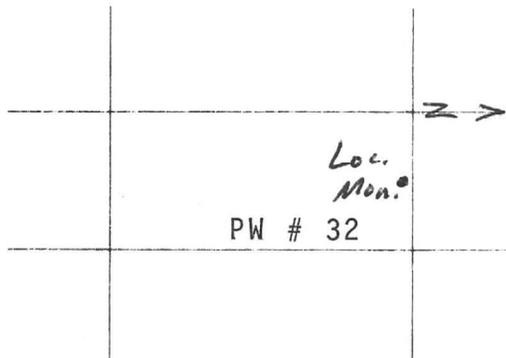
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 32 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4040 feet N 71 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gery L. [Signature] (Agent)
Locator

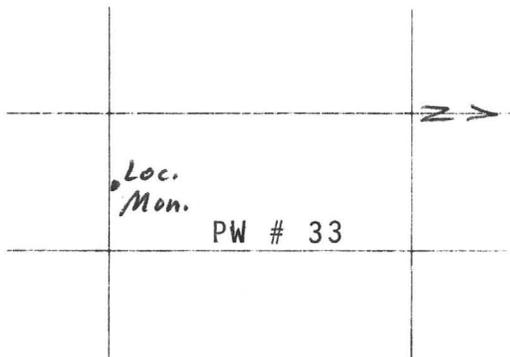
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 33 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4620 feet N 73 E. of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. Rex (Agent)
 Locator

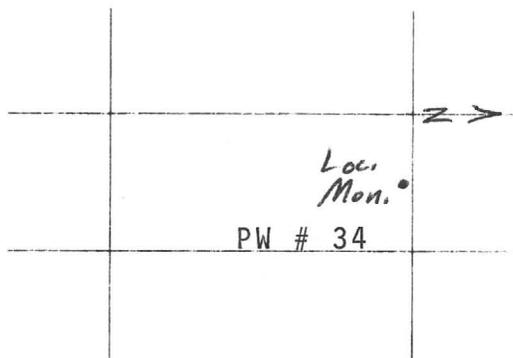
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 34 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4610 feet N 73 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

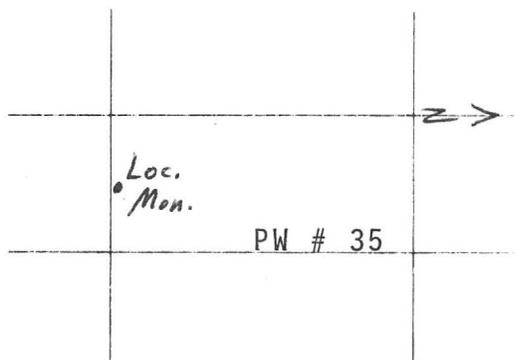
Geary L. Kix (Locator)
Locator (Agent)

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 35 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram. This claim is about 5200 feet N 75 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. Hill (Agent)
Locator

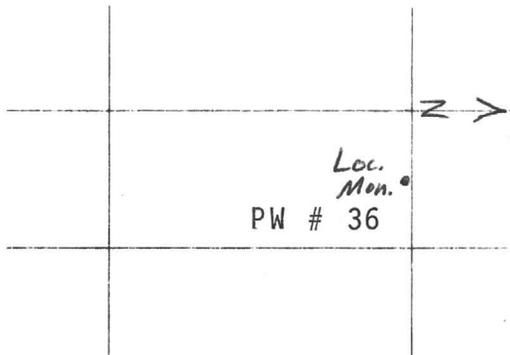
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 36 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 5190 feet N 75 E of the SW corner of Sec. 18, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

(Locator)

Gary L. [Signature]
Locator

(Agent)

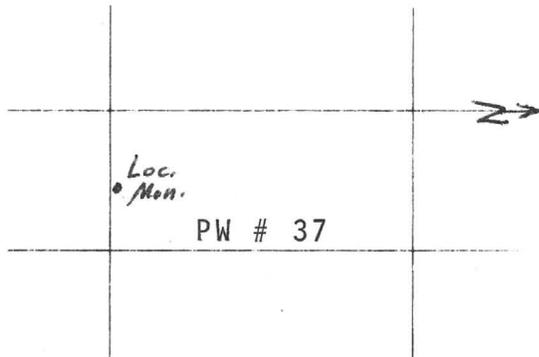
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the P.W. # 37 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1350 feet S 12 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gay L. Vix (Agent)
Locator

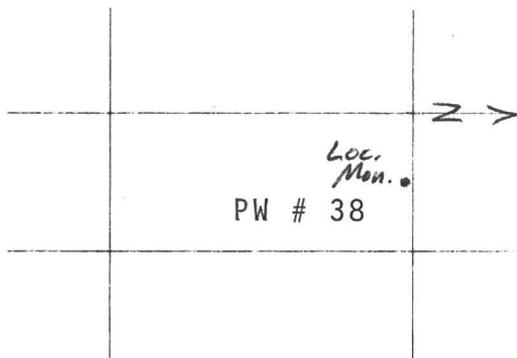
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 38 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1390 feet S 12 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

Gary L. Hart (Locator)
Locator (Agent)

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

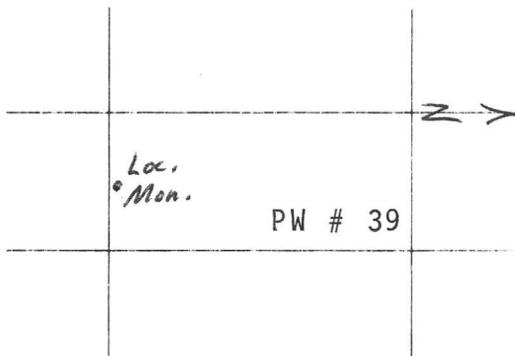
Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the P.W. # 39 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1580 feet S 33 E of the NW corner of

Sec. 19, T. 6 S., R. 11 E., G&SRM.



Russell Badgett, Jr.

(Locator)

Gay S. King

Locator

(Agent)

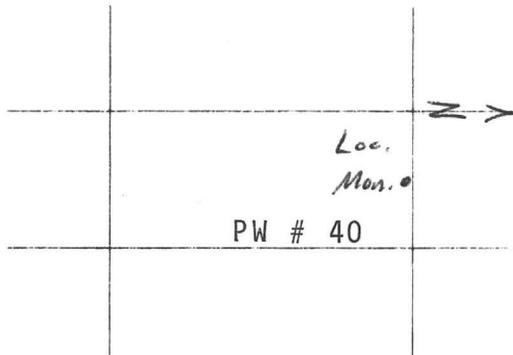
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 40 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1620 feet S 33 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

Gary L. Hill
Locator

(Locator)
(Agent)

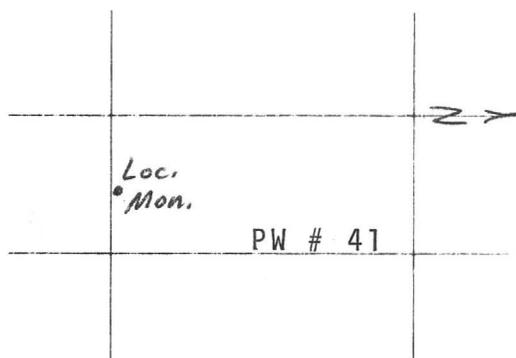
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 41 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1950 feet S 48 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



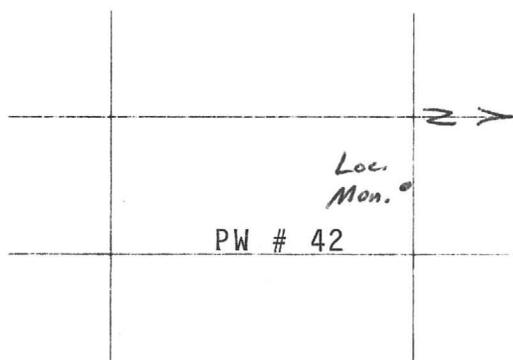
Russell Badgett, Jr.
Gary L. [Signature] (Locator)
Locator (Agent)

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 42 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram. This claim is about 1990 feet S 48 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



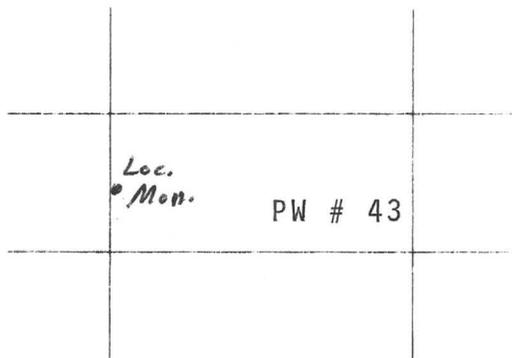
Russell Badgett, Jr. (Locator)
Gary L. Sky (Agent)
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 43 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram. This claim is about 2440 feet S 57 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, JR. (Locator)
Gary L. [Signature] (Agent)
Locator

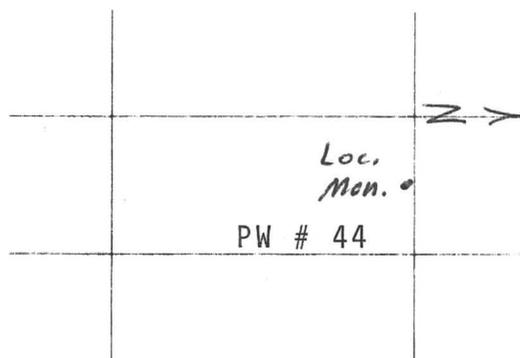
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 44 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2470 feet S 57 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. King (Agent)
Locator

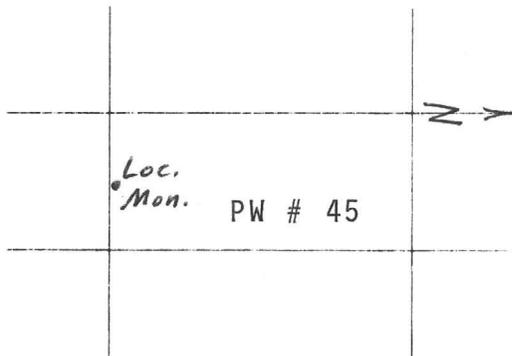
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 45 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2940 feet S 63 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G. & SRM.



Russell Badgett, Jr.

Gary L. [Signature]
Locator

(Locator)

(Agent)

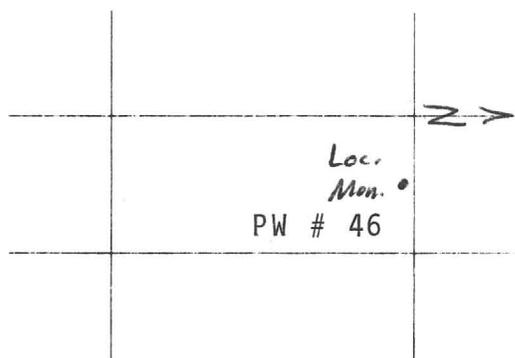
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 46 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2960 feet S 63 E of the NW corner of
Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gay L. Giff (Agent)
Locator

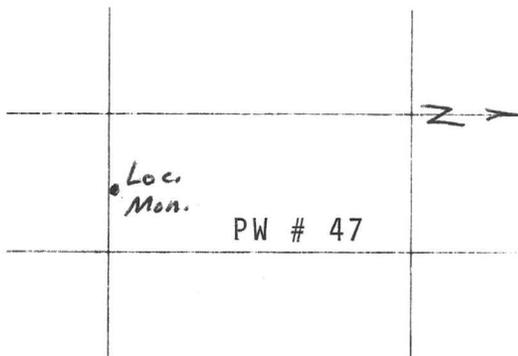
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 47 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3490 feet S 68 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)

Gay L. G. (Agent)
Locator

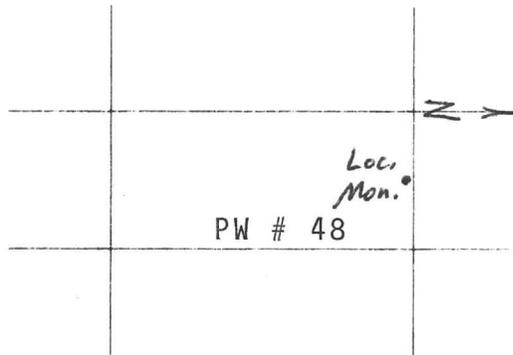
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 48 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3510 feet S 68 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gay L. [Signature] (Agent)
Locator

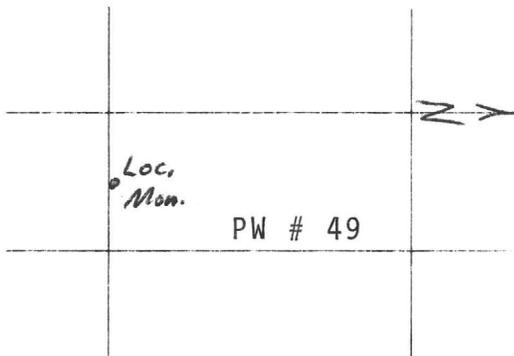
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 49 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4040 feet S 71 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

(Locator)

Gary L. Gatz
Locator

(Agent)

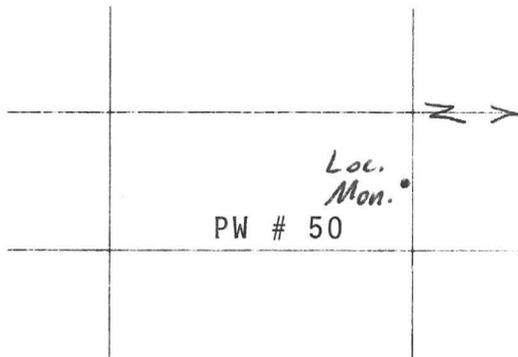
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 50 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4050 feet S 71 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

(Locator)

Gary L. Nix
Locator

(Agent)

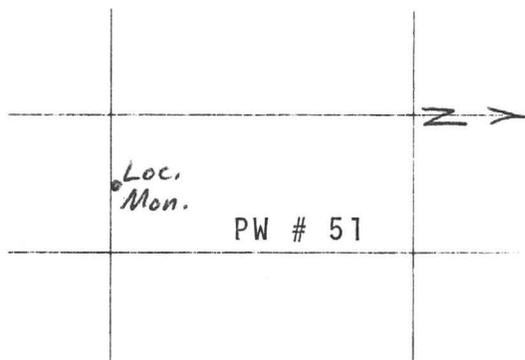
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 51 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4610 feet S 73 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.
Gary L. West (Locator)
 Locator (Agent)

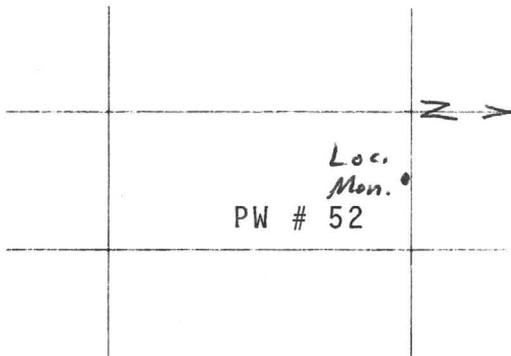
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the P.W. # 52 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4620 feet S 73 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. [Signature] (Agent)
Locator

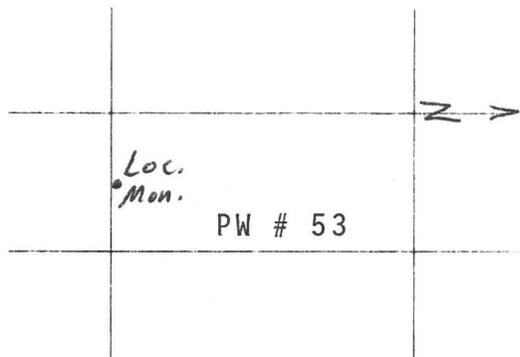
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 53 lode mining claim was located by Russell Badgett, Jr. on November 7, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 5190 feet S 75 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. [Signature] (Agent)
Locator

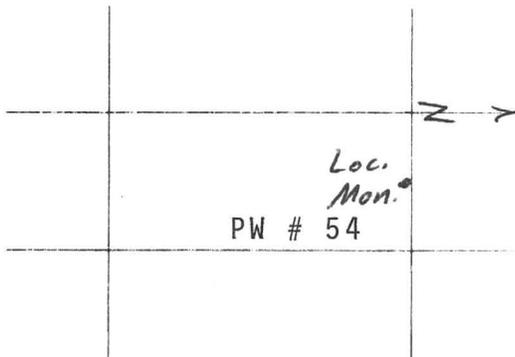
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 54 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 5200 feet S 75 E of the NW corner of Sec. 19, T. 6 S., R. 11 E., G & SRM.



Russell Badgett, Jr.

Gary L. Galt
Locator

(Locator)

(Agent)

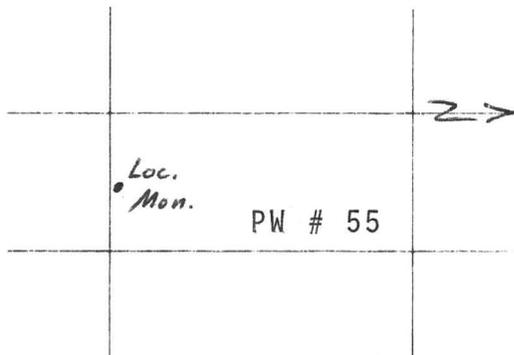
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the P.W. # 55 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2350 feet N 7 W of the SE corner of Sec. 13, T. 6 S., R. 10 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gay L. Hoy (Agent)
Locator

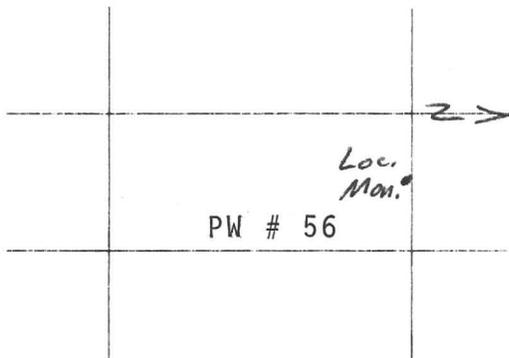
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 56 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2310 feet N 7 W of the SE corner of Sec. 13, T. 6 S., R. 10 E., G. & SRM.



Russell Badgett, Jr. (Locator)
Gary L. King (Agent)
Locator

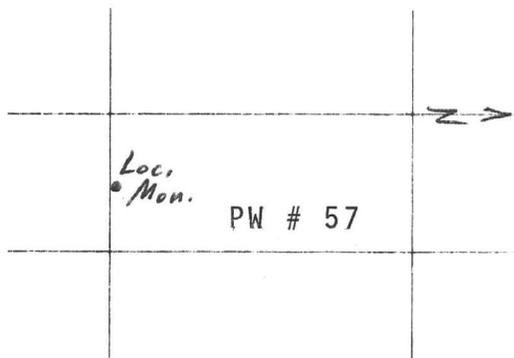
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 57 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2510 feet N 21 W of the SE corner of Sec. 13, T. 6 S., R. 10 E., G & SRM.



Russell Badgett, Jr.

Gary L. Whit (Locator)
Locator (Agent)

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

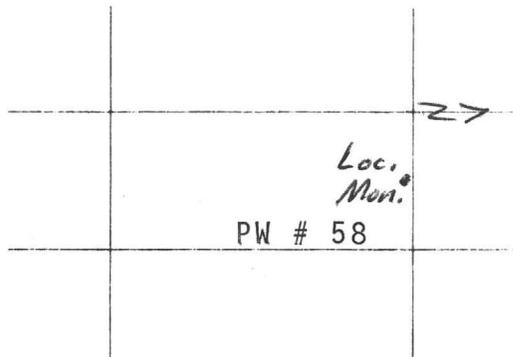
Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 58 lode mining claim was located by Russell Badgett, Jr. on November 9, 19 71

This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2480 feet N 21 W of the SE corner of Sec. 13, T. 6 S., R. 10 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. Kay (Agent)
Locator

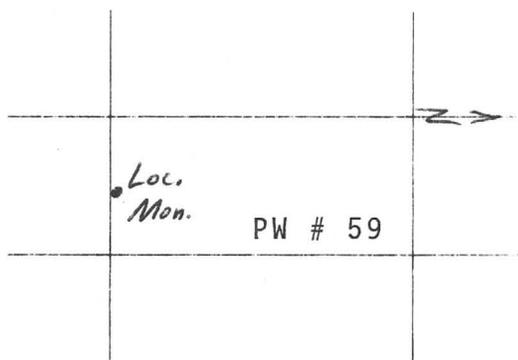
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 59 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2760 feet N 32 W of The SE corner of Sec. 13, T. 6 S., R. 10 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gay L. King (Agent)
Locator

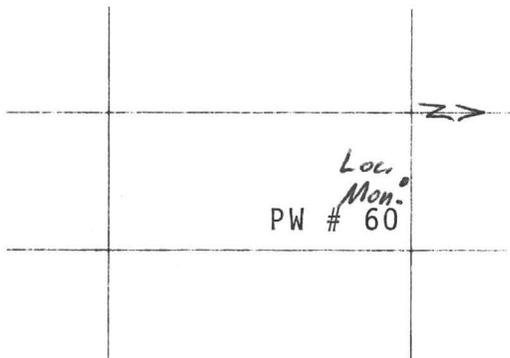
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 60 lode mining claim was located by Russell Badgett, Jr. on November 9, 19 71. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2730 feet N 32 W of the SE corner of Sec. 13, T. 6 S., R. 10 E., G & SRM.



Russell Badgett, Jr.

Gary L. King (Locator)
Locator (Agent)

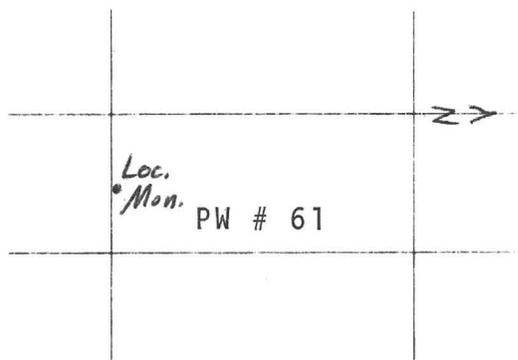
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 61 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a north direction to the north center end monument or stake and 20 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3110' N 41' W of the SE corner of Sec. 13, T. 6 S., R. 10 E., G & SRM.



Russell Badgett, Jr.

Gay L. West

(Locator)

Locator

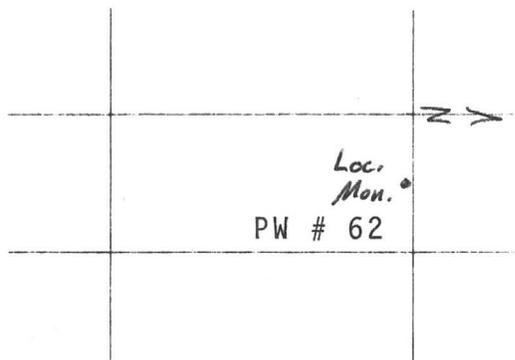
(Agent)

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 62 lode mining claim was located by Russell Badgett, Jr. on November 9, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram. This claim is about 3090 feet N 41 W of the SE corner of Sec. 13, T. 6 S., R. 10 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. Hest (Agent)
Locator

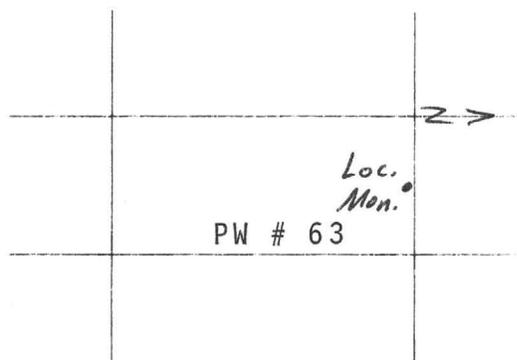
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 63 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 300 feet West of the NE corner of Sec. 13, T. 6 S., R. 10 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary L. B... (Agent)
Locator

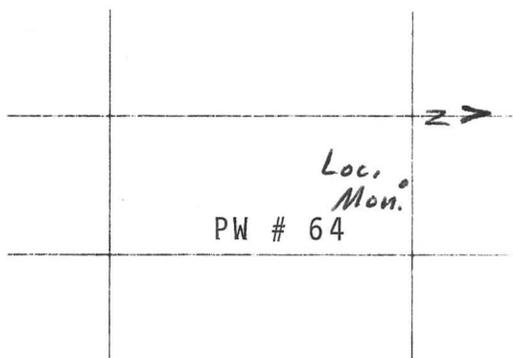
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the P.W. # 64 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 890 feet West of the NE corner of Sec. 13, T. 6 S., R. 10 E., G & SRM.



Russell Badgett, Jr. (Locator)
Gary J. King (Agent)
Locator

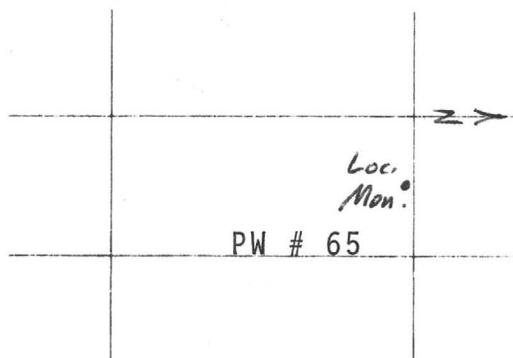
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 65 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1480 feet West of the NE corner of Sec. 13, T. 6 S., R. 10 E., G & SRM.



Russell Badgett, Jr.

Gary L. [Signature] (Locator)
Locator (Agent)

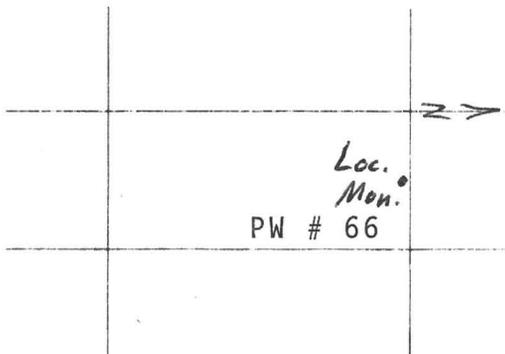
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location

(LODE)

NOTICE IS HEREBY GIVEN that the PW # 66 lode mining claim was located by Russell Badgett, Jr. on November 8, 1971. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is north-south and is situated in the Florence Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a north direction to the north center end monument or stake and 1480 feet in a south direction from the location monument or stake to the south center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2070 feet West of the NE corner of Sec. 13, T. 6 S., R. 10 E., G. & SRM.



Russell Badgett, Jr. (Locator)

Geary L. King (Agent)

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

JOB# 671 LINE# 5 SP 1 a = 1000' LOOKING NORTH
 CLIENT R.B.J. DATE 17th Nov. 1971 FREQUENCIES 3.0 & 0.3 Hz

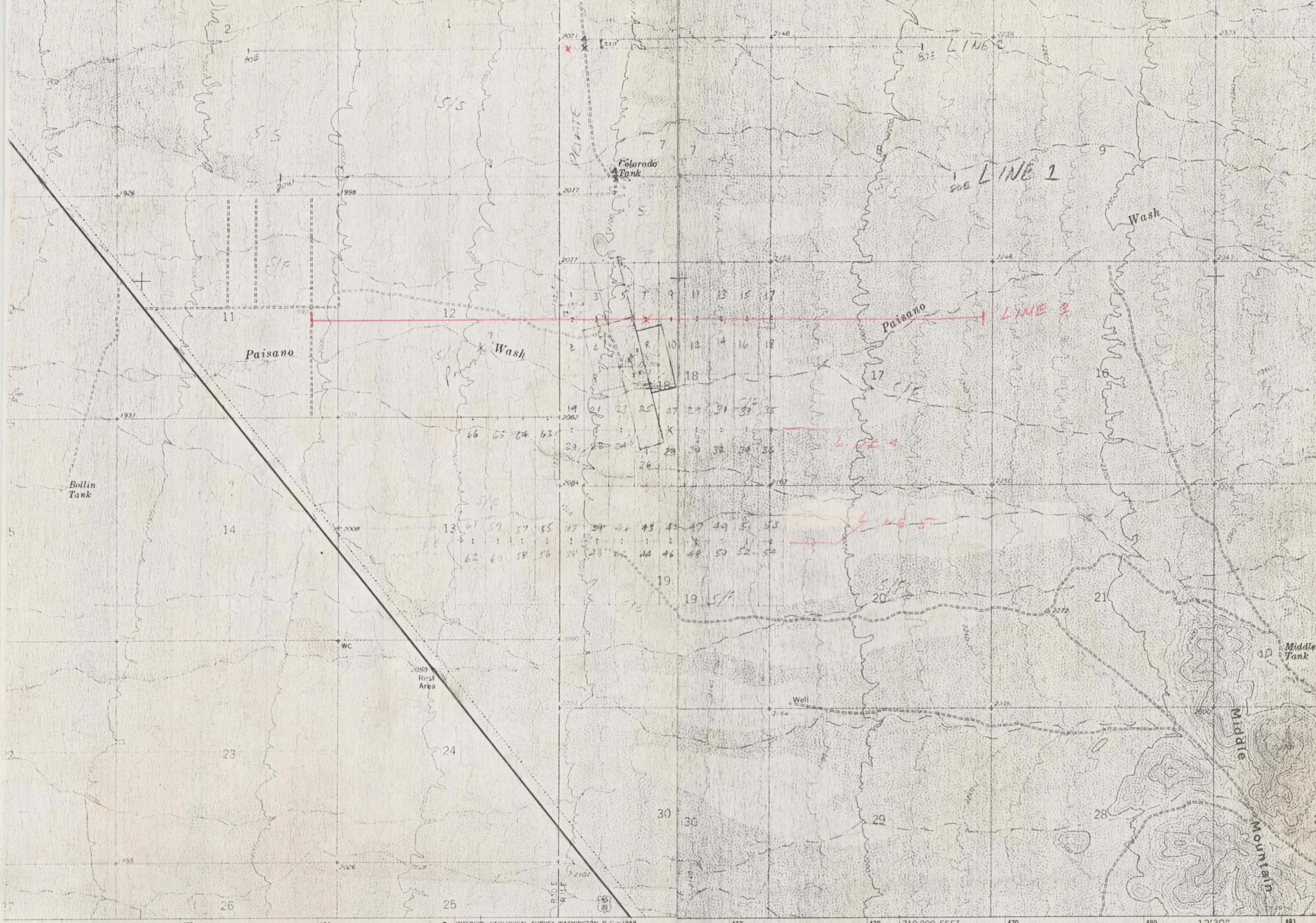
AREA PAISANO WASH.



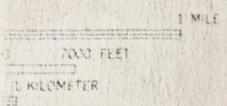
Highly Approved

SENIOR DFTSMN

[Handwritten signature]



472 17'30" 473 474 475 476 477 478 479 480 481
 111 15' 171000 FEET 12'30" 981
 475000m E ORACLE JUNG. 29 MI. TUCSON 53 MI.



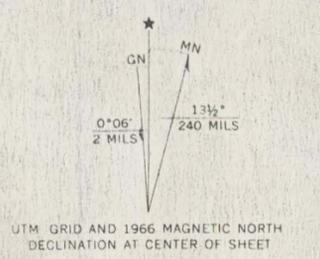
ROAD CLASSIFICATION

Heavy duty	—————	Light duty	-----
Medium duty	- - - - -	Unimproved dirt
		U.S. Route	⬢

CACTUS FOREST, ARIZ.
 N3252.5—W11115/7.5
 1966
 AMS 3749 IV NE—SERIES V898

Mapped, edited, and published by the Geological Survey
 Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1962. Field checked 1966
 Polyconic projection. 1927 North American datum
 10,000-foot grid based on Arizona coordinate system, central zone
 1000-meter Universal Transverse Mercator grid ticks, zone 12 shown in blue
 Fine red dashed lines indicate selected fence lines

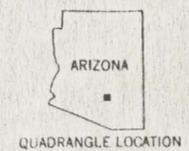


DS ASHINGT. D. C. 20242
 ON REQUEST

FOR SALE BY U.S. A FOLDE



1 MILE
 3000 FEET
 1 KILOMETER



ROAD CLASSIFICATION

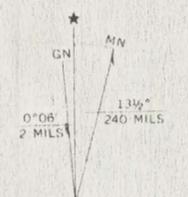
Heavy-duty ——— Light-duty - - - - -
 Medium-duty - - - - - Unimproved dirt - - - - -
 U.S. Route

CACTUS FOREST, ARIZ.
 N3252.5—W11115/7.5

1966

AMS 3749 IV NE—SERIES V898

Mapped, edited, and published by the Geological Survey
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 Topography by photogrammetric methods from aerial
 photographs taken 1962. Field checked 1966
 Polyconic projection, 1927 North American datum
 10,000-foot grid based on Arizona coordinate system, central zone
 1000-meter Universal Transverse Mercator grid ticks,
 zone 12, shown in blue
 Fine red dashed lines indicate selected fence lines



UTM GRID AND 1966 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET

FOR SALE BY U. S. GE
 A FOLDER DE

WASHINGTON, D. C. 20242
 ON REQUEST

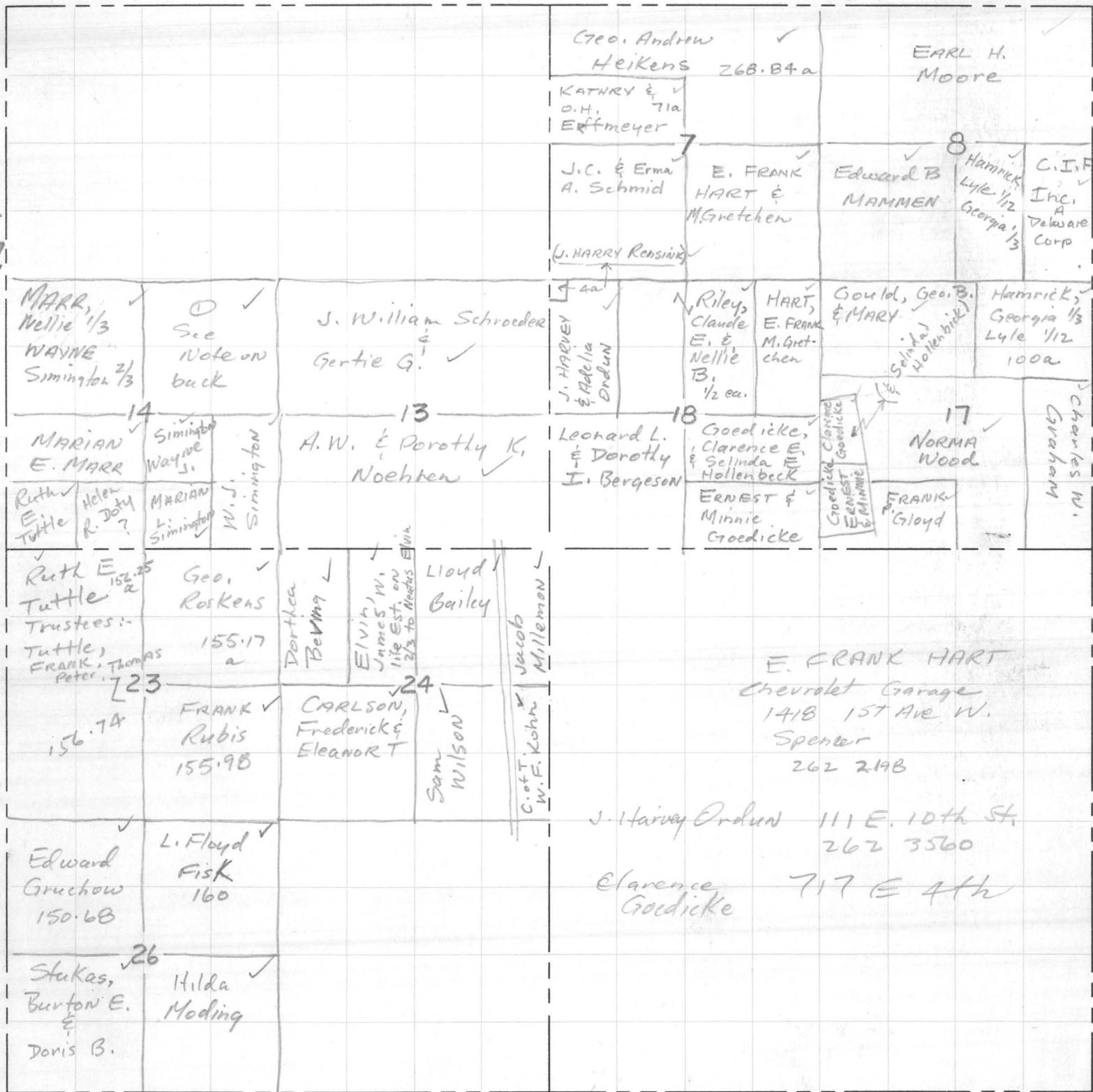
12/17/62
Sheet 1 No.

SCALE FOR SECTION, } Each side large blue squares = 20 chains, 80 rods, 1320 feet; area of square 40 acres.
660 Ft. = 1 Inch. } Each side small red squares = 5 chains, 20 rods, 330 feet; area of square 2 1/2 acres.

R 37W

N

R 36W



SCALE FOR QUARTER SECTION, } Each side large blue squares = 10 chains, 40 rods, 660 feet; area of square 10 acres.
330 Ft. = 1 Inch. } Each side small red squares = 2 1/2 chains, 10 rods, 165 feet; area of square .625 of 1 acre.

① Anna Eeten ^{etal} 1/2 Int. & Life estate on other 1/2 int.
Remainder share & share alike

Goldie Eeten Wilson

John Eetin,

Anna E. Heikens

Gertie E. Heikens

Hilda Eeten Groen

Harry Eeten

George "

Norm "

Marie " Kittner

Ernest J. "

Louise R. "

Enno " Sr.

Inez Groen "

12/17/62
Sheet 2 So.

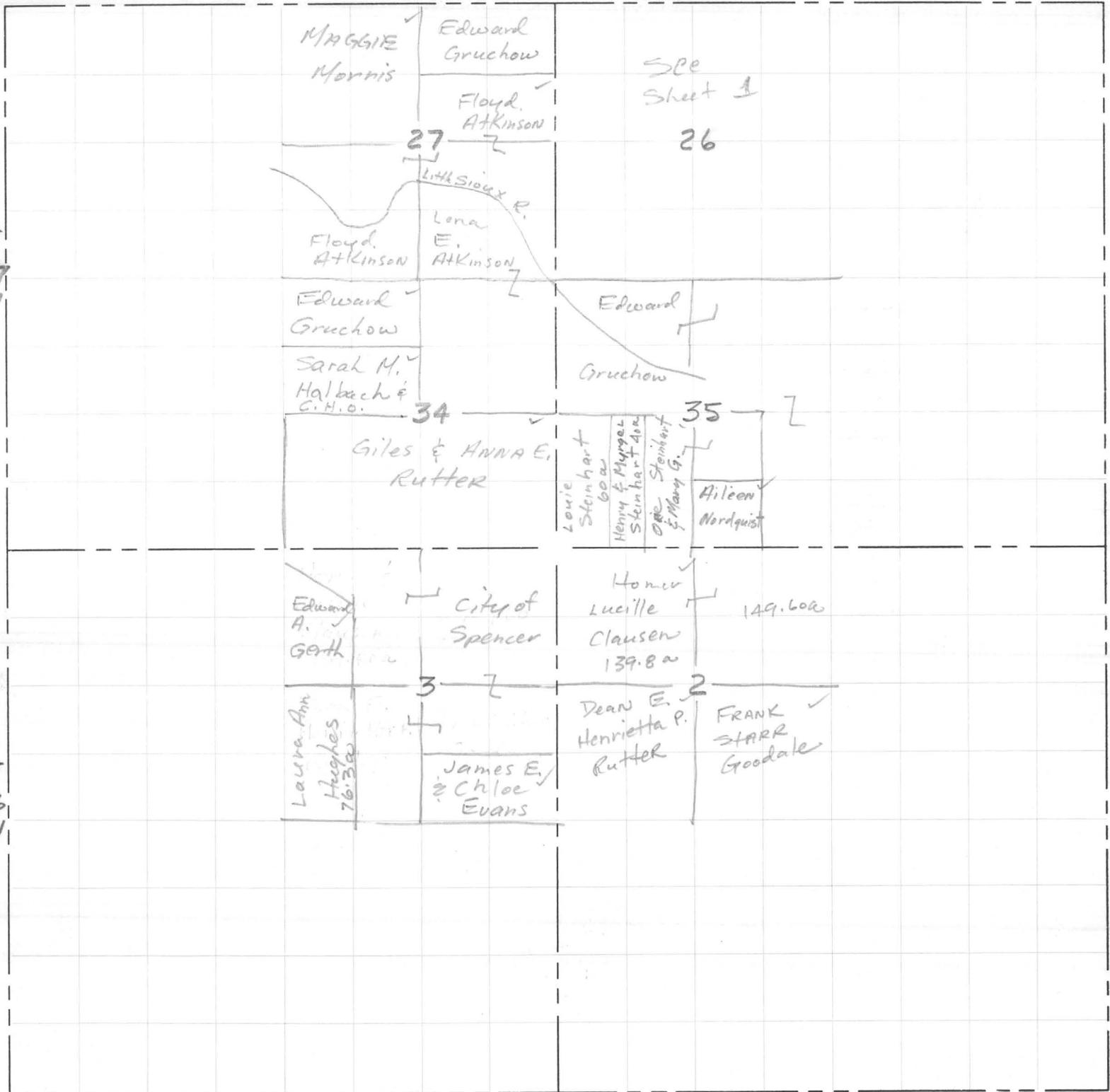
SCALE FOR SECTION, } Each side large blue squares = 20 chains, 80 rods, 1320 feet; area of square 40 acres.
660 Ft. = 1 Inch. } Each side small red squares = 5 chains, 20 rods, 330 feet; area of square 2 1/2 acres.

N R37W

T
97
N

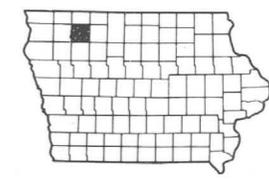
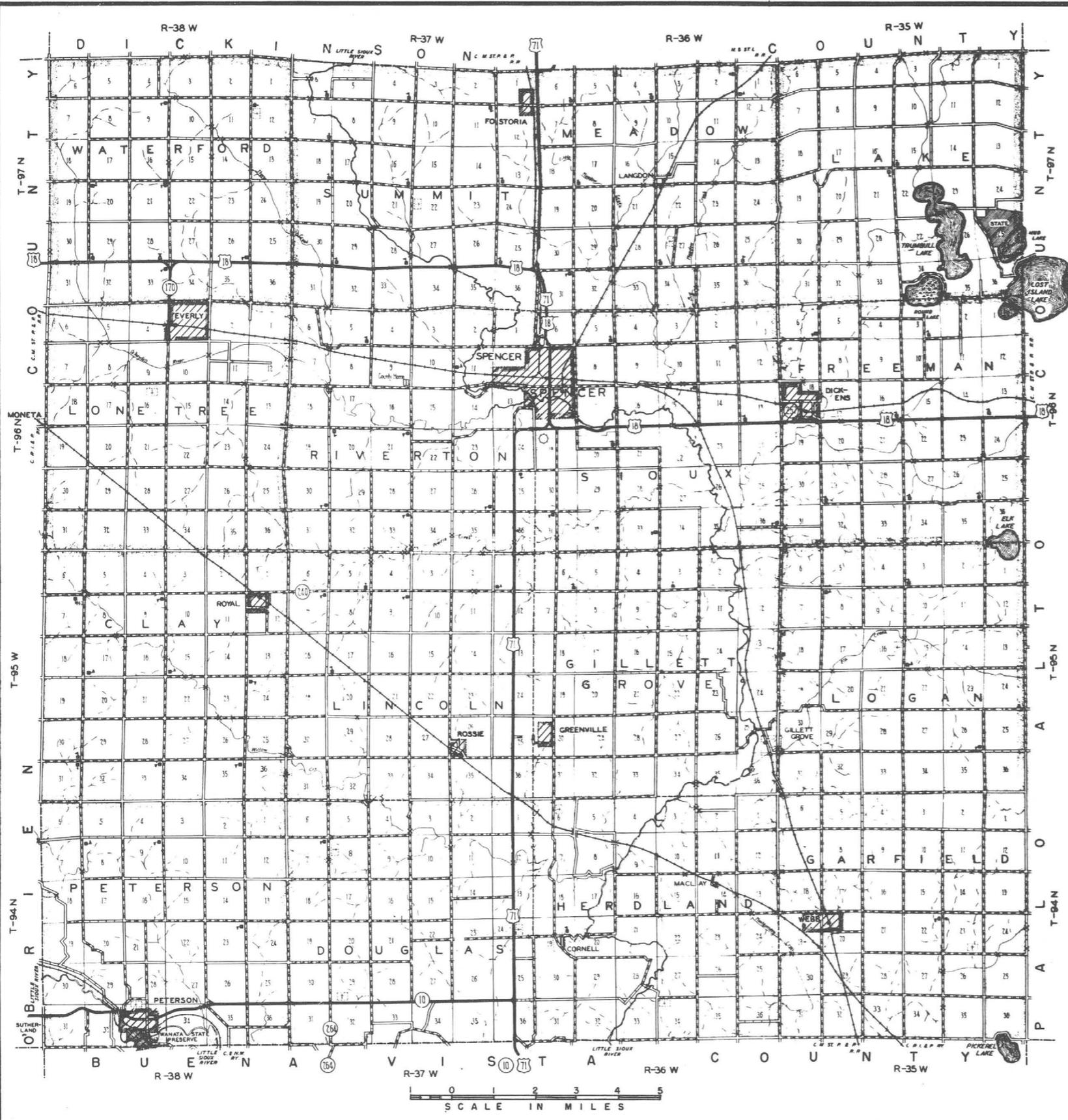
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96
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S

SCALE FOR QUARTER SECTION, } Each side large blue squares = 10 chains, 40 rods, 660 feet; area of square 10 acres.
330 Ft. = 1 Inch. } Each side small red squares = 2 1/2 chains, 10 rods, 165 feet; area of square .625 of 1 acre.



LOCATION IN IOWA

Total acreage approximate 353,943
 Acreage in farms 353,943

CLAY COUNTY SOIL CONSERVATION DISTRICT

 EXCLUDED AREA

The District includes all of Clay County
 exclusive of cities and towns



OIL TEST FORMATION TOPS

County: Adair
Location: Sec. 23, T. 77 N., R. 33 W.
Name: No. 1 Lovell
Company: Hunt Oil Company
Date: 1948
Elevation: 1404 feet (depth-ft.)
 Pleistocene 0-260
 Top of Pennsylvanian
 Des Moines series 260
 Top of Mississippian 800
 Top of Devonian 1345
 T.D. (in Wapsipinicon fm.) 1537

County: Adair
Location: Sec. 34, T. 77 N., R. 33 W.
Name: No. 1 F. E. Hunt
Company: Hunt Oil Company
Date: 1947
Elevation: 1395 feet (depth-ft.)
 Pleistocene 0-267
 Top of Pennsylvanian
 Des Moines series 267
 Top of Mississippian 909
 Top of Devonian 1358
 Top of Ordovician 2005
 T.D. (in Maquoketa shale) 2119

County: Adair
Location: Sec. 26, T. 77 N., R. 33 W.
Name: No. 1 Frisbie
Company: Hunt Oil Company
Date: 1949
Elevation: 1367 feet (depth-ft.)
 Pleistocene 0-290
 Top of Pennsylvanian 290
 Top of Mississippian 820
 Top of Devonian 1345
 T.D. (in Cedar Valley limestone) 1370

County: Dallas
Location: Sec. 17, T. 78 N., R. 28 W.
Name: No. 1 Macklin
Company: Iowa Oil and Gas Group
Date: 1946
Elevation: 1008 feet (depth-ft.)
 Pleistocene 0-145
 Top of Pennsylvanian
 Des Moines series 145
 Top of Mississippian 689
 Top of Devonian 1142
 Top of Silurian 1812
 Top of Ordovician 1840
 T.D. (in Maquoketa shale) 1933

County: Dallas
Location: Sec. 12, T. 78 N., R. 27 W.
Name: No. 1 Forette
Company: Seibel Oil Company Trust
Date: 1923
Elevation: 1033 feet (depth-ft.)
 Pleistocene and Pennsylvanian
 Des Moines series 0-605
 Top of Mississippian 605
 Top of Devonian 1065
 Top of Ordovician
 (Maquoketa shale) 1692
 T.D. (in Galena dolomite) 2006

County: Dallas
Location: Sec. 26, T. 79 N., R. 29 W.
Name: No. 1 Moncelle
Company: Redfield Oil and Gas Group
Date: 1944
Elevation: 1094 feet (depth-ft.)
 Pleistocene 0-35
 Top of Pennsylvanian 35
 Top of Mississippian 355
 Top of Devonian 822
 Top of Silurian 1405
 Top of Ordovician 1450
 Top of St. Peter sandstone 1950
 T.D. (in St. Peter sandstone) 1980

County: Decatur
 Location: Sec. 7, T. 68 N., R. 26 W.
 Name: No. 1 Jackson
 Company: L. B. Jackson
 Date: 1952
 Elevation: 1025 feet (depth-ft.)
 Pleistocene 0-895
 Top of Mississippian 895
 Top of Devonian 1330
 Top of Ordovician 1870
 Top of St. Peter sandstone 2215
 Top of Prairie du Chien fm. 2240
 T.D. (in Prairie du Chien fm.) 2335

County: Fremont
 Location: Sec. 19, T. 68 N., R. 40 W.
 Name: No. 1 Gruber
 Company: Ohio Oil Company
 Date: 1940
 Elevation: 1007 feet (depth-ft.)
 Pleistocene and Pennsylvanian
 Virgil series 0-530
 Top of Missouri series 530
 Top of Des Moines series 900
 Top of Mississippian 1670
 T.D. (in Keokuk dolomite) 1795

County: Fremont
 Location: Sec. 28, T. 70 N., R. 43 W.
 Name: No. 1 Schroeder
 Company: Fremont Oil Company
 Date: 1943
 Elevation: 940 feet (depth-ft.)
 Pleistocene 0-200
 Top of Pennsylvanian
 Virgil series 200
 Top of Missouri series 275
 Top of Des Moines series 560
 Top of Mississippian 860
 Top of Devonian 1240
 Top of Silurian 1715
 Top of Ordovician 2005
 T.D. (in Galena dolomite) 2215

County: Fremont
 Location: Sec. 23, T. 68 N., R. 41 W.
 Name: No. 1 Wisnom
 Company: Ohio Oil Company
 Date: 1941
 Elevation: 937 feet (depth-ft.)
 Pleistocene 0-205
 Top of Pennsylvanian
 Virgil series 205
 Top of Missouri series
 Lansing group 500
 Base of Kansas City group
 Hertha limestone 750
 Top of Cherokee group 955
 Top of Mississippian 1350
 Top of Devonian 1855
 Top of Silurian 2220
 Top of Ordovician 2445
 Top of Cambrian 2952
 Top of Precambrian 3155
 T.D. 3375

County: Greene
 Location: Sec. 20, T. 83 N., R. 30 W.
 Name: No. 1 Wiggins
 Company: Edward Bennett et.al.
 Date: 1935
 Elevation: 1002 feet (depth-ft.)
 Pleistocene 0-55
 Top of Pennsylvanian
 Cherokee group 55
 Top of Mississippian 280
 Top of Devonian 615
 Top of Silurian 1275
 Top of Ordovician 1315
 T.D. (in Prairie du Chien fm.) 1745

County: Guthrie
 Location: Sec. 11, T. 78 N., R. 30 W.
 Name: No. 1 H. D. McConnell
 Company: F. E. Hunt Oil Company
 Date: 1942
 Elevation: 950 feet (depth-ft.)
 Pleistocene 0- 25
 Top of Pennsylvanian
 Ardmore Ls. 25
 Top of Mississippian 385
 Top of Devonian 850
 Top of Silurian 1430
 Top of Ordovician 1522
 Top of St. Peter sandstone 1999
 T.D. (in Prairie du Chien
 fm.) 2029

County: Guthrie
 Location: Sec. 11, T. 81 N., R. 32 W.
 Company: Central Oil and Gas Company
 Date: 1929
 Elevation: 1091 feet (depth-ft.)
 Poor samples 0-330
 Top of Mississippian 330
 Top of Devonian 835
 Top of Ordovician 1270
 Top of Galena 1472
 T.D. (in Galena dolomite) 1494

County: Harrison
 Location: Sec. 17, T. 81 N., R. 44 W.
 Name: No. 1 John Johnson
 Company: M. P. Hall et.al.
 Date: 1951
 Elevation: 1066 feet (depth-ft.)
 Pleistocene 0-130
 Top of Pennsylvanian 130
 Top of Mississippian 460
 Top of Devonian 870
 Top of Silurian 1225
 Top of Ordovician 1300
 Top of St. Peter sandstone 1657
 Top of Cambrian (Jordan
 sandstone) 1875
 T.D. (in Franconia fm.) 2058

County: Howard
 Location: Sec. 15, T. 98 N., R. 11 W.
 Name: No. 1 Grube
 Company: Hunt Oil Company
 Date: 1960
 Elevation: 1275 feet (depth-ft.)
 Pleistocene 0- 75
 Top of Devonian
 Cedar Valley 75
 Top of Ordovician 235
 Top of St. Peter sandstone 662
 Top of Prairie du Chien fm. 733
 Top of Cambrian
 Jordan sandstone 1060
 T.D. (in Jordan sandstone) 1065

County: Jackson
 Location: Sec. 11, T. 80 N., R. 3 E.
 Name: No. 1 Miller
 Company: Texas Drilling Company
 Date: 1907
 Elevation: 760 feet (depth-ft.)
 Top of Silurian 0-
 Top of Ordovician 215
 Top of Cambrian 1110
 T.D. (in Dresbach sandstone) 1716

County: Jefferson
 Location: Sec. 25, T. 72 N., R. 10 W.
 Company: Jefferson County Gas, Oil,
 and Mineral Company
 Date: 1910
 Elevation: 745 feet (depth-ft.)
 Pennsylvanian 0-100+
 Top of Mississippian 100+
 Top of Devonian 750+
 No Silurian
 Top of Ordovician 1075+
 Top of St. Peter sandstone 1450+
 Top of Prairie du Chien fm. 1480
 T.D. (in Prairie du Chien
 fm.) 1635

County: Lyon

Location: Sec. 16, T. 100 N., R. 45 W.

Name: No. 1 G. Isolf

Company: Isaac P. Tiezen

Date: 1953

Elevation: 1367 feet	(depth-ft.)
Pleistocene	0-226
Top of Cretaceous	226
Top of Precambrian	393
T.D. (in Sioux quartzite)	443

County: Mills

Location: Sec. 29, T. 71 N., R. 41 W.

Name: No. 1 Hays

Company: W. A. Moncrief

Date: 1960

Elevation: 968 feet	(depth-ft.)
Pleistocene	0-223
Top of Pennsylvanian	
Kansas City group	223
Base of Kansas City group	270
Top of Mississippian	604
Top of Devonian	1079
Top of Cedar Valley lime- stone	1198
T.D.	1320

County: Mills

Location: Sec. 7 T. 71 N., R. 41 W.

Name: No. 1 Brown

Company: Champlin Oil & Refining
Company

Date: 1959

Elevation: 1072 feet	(depth-ft.)
Pleistocene	0-144
Pennsylvanian	
Lansing group	144
Base of Kansas City group	400
Top of Mississippian	680
Top of Devonian	1062
Top of Silurian	1490
Top of Ordovician	
Maquoketa shale	1580
Top of St. Peter sandstone	2027
Top of Prairie du Chien fm.	2056
T.D. (in Prairie du Chien fm.)	2236

County: Montgomery

Location: Sec. 5, T. 72 N., R. 38 W.

Name: No. 1 Peterson

Company: Ohio Oil Company

Date: 1941

Elevation: 1061 feet	(depth-ft.)
No samples	0- 60
Pennsylvanian	60
Base of Kansas City group	330
Top of Mississippian	1150
Top of Devonian	1702
Top of Silurian	2140
Top of Ordovician	2225
Top of St. Peter sandstone	2655
T.D. (in Prairie du Chien fm.)	2758

County: Montgomery

Location: Sec. 15, T. 72 N., R. 38 W.

Name: No. 1 Clarence Ratcliff

Company: Ohio Oil Company

Date: 1941

Elevation: 1138	(depth-ft.)
No samples	0-125
Pennsylvanian	
Virgil series	125
Base of Kansas City group	730
Top of Mississippian	1510
T.D. (in Warsaw fm.)	1652

County: Montgomery

Location: Sec. 2, T. 73 N., R. 36 W.

Name: No. 1 Kenworthy

Company: Bell et. al.

Date: 1949

Elevation: 1117 feet	(depth-ft.)
Pleistocene	0- 30
Top Pennsylvanian	
Missouri series	30
Base of Kansas City group	360
Top of Mississippian	1135
T.D. (in Burlington lime- stone)	1328

County: Page
 Location: Sec. 25, T. 68 N., R. 37 W.
 Name: No. 1 Wilson
 Company: Iowa First Oil Development
 Company

Date: 1934

	(depth-ft.)
Elevation: 977 feet	
Pleistocene	0- 25
Top of Pennsylvanian	
Virgil series	25
Top of Des Moines series	635
Top of Mississippian	1580
Top of Devonian	2015
Top of Silurian	2455
Top of Ordovician	2555
Top of St. Peter sandstone	2999
Top of Prairie du Chien fm.	3026
Top of Cambrian	
Jordan sandstone	3313
Top of Precambrian red clastics	3570
T.D.	5305

County: Ringgold
 Location: Sec. 8, T. 67 N., R. 29 W.
 Name: No. 1 W. P. Turner
 Company: Stanolind Oil and Gas

Date: 1944

	(depth-ft.)
Elevation: 1033 feet	
Pleistocene	0- 55
Top of Pennsylvanian	
Missouri series	55
Top of Des Moines series	225
Top of Mississippian	938
Top of Devonian	1390
No Silurian	
Top of Ordovician	1910
Top of St. Peter sandstone	2375
T.D. (in Prairie du Chien fm.)	2505

County: Scott
 Location: Sec. 5, T. 77 N., R. 3 E.
 Name: No. 1 Nobis
 Company: Stubbs and Foster

Date: 1960

	(depth-ft.)
Elevation: 660 feet	
Pleistocene	0- 35
Top of Pennsylvanian	35
Top of Silurian	185
Top of Ordovician	470
Top of St. Peter sandstone	1035
Top of Prairie du Chien fm.	1090
T.D. (in Prairie du Chien fm.)	1130

County: Scott
 Location: Sec. 22, T. 78 N., R. 4 E.
 Name: No. 1 Joseph Bitzer
 Company: Rice Exploration Company

Date: 1960

	(depth-ft.)
Elevation: 660 feet	
Pleistocene	0-116
Top of Devonian	116
Top of Silurian	147
Top of Ordovician	492
T.D. (in Maquoketa shale)	500

County: Taylor
 Location: Sec. 32 T. 68 N., R. 33 W.
 Name No. 1 Marr Estate
 Company: Pryor & Lockhart, Stanolind

Date: 1941

	(depth-ft.)
Elevation: 1124 feet	
Pleistocene	0- 95
Top of Pennsylvanian	
Virgil series	95
Top of Missouri series	182
Top of Des Moines series	592
Top of Mississippian	1352
Top of Devonian	1712
No Silurian	
Top of Ordovician	2395
Top of St. Peter sandstone	2860
T.D. (in Prairie du Chien fm.)	2896

County: Union

Location: Sec. 31, T. 71 N., R. 30 W.

Name: No. 1 Arthur Brown

Company: Phillip Petroleum Company

Date: 1939

Elevation: 1211 feet (depth-ft.)

Pleistocene 0-410

Top of Pennsylvanian

Missouri series 410

Top of Des Moines series 915

Top of Mississippian 1165

Top of Devonian 1595

Top of Silurian 2275

Top of Ordovician 2297

Top of St. Peter sandstone 2759

Top of Prairie du Chien fm. 2789

T.D. (in Prairie du Chien
fm.) 2860

County: Wayne

Location: Sec. 14, T. 68 N., R. 20 W.

Company: Sullivan Machinery Company
of Chicago

Date: 1926

Elevation: 1066 feet (depth-ft.)

Pleistocene 0-132

Top of Pennsylvanian

Des Moines series 132

Top of Mississippian 631

T.D. (in Mississippian) 1000

SUMMARY OF OIL AND GAS TEST WELLS IN IOWA

a. Sample Record

b. Driller's Record

c. Confidential Record

Location	Operator	Lease	Date	Depth (ft.)	Bottomed In
<u>Adair County</u>					
NE SE Sec. 23, T77N, R33W	Hunt Oil and Gas Group	No. 1 V. Lovell	1948	1537a	Devonian (Wapsipinicon)
NE SE Sec. 26, T77N, R33W	Hunt Oil and Gas Group	No. 1 Frisbie	1949	1370a	Devonian (Cedar Valley)
SE SE Sec. 34, T77N, R33W	Hunt Oil and Gas Group	No. 1 F. E. Hunt	1947	2119a	Ordovician (Maquoketa)
<u>Benton County</u>					
T85N, R10W	C. Fee	-----	+1900	+2000	-----
<u>Bremner County</u>					
NE SE Sec. 7, T93N, R12W	Pioneer Oil Co.	-----	1903	1025b	Ordovician (Prairie du Chien)
<u>Dallas County</u>					
NW NW Sec. 12, T78N, R27W	Seibel Oil Co.	No. 1 Forette	1923	2006a	Ordovician (Galena)
NE NE Sec. 17, T78N, R28W	Iowa Oil and Gas Group	No. 1 Macklin	1946	1933a	Ordovician (Maquoketa)
NE SW Sec. 4, T78N, R29W	-----	"Hanging Rock Well"	--	1384b	Ordovician (Maquoketa)
NW SE Sec. 26, T79N, R29W	Redfield Oil & Gas Group	No. 1 Moncelle	1944	1980a	Ordovician (St. Peter)
<u>Decatur County</u>					
SE NE Sec. 7, T68N, R26W	L. B. Jackson	No. 1 Jackson	1952	2335a	Ordovician (Prairie du Chien)
<u>Fremont County</u>					
NE NE Sec. 3, T67N, R42W	-----	No. 1 Spicer	1925	1070b	Pennsylvanian
SE SW Sec. 19, T68N, R40W	Ohio Oil Co.	No. 1 Geo. Gruber	1940	1796a	Mississippian (Keokuk)

Location	Operator	Lease	Date	Depth (ft)	Bottomed In
<u>Fremont County (cont.)</u>					
NW NE Sec. 23, T68N, R41W	Ohio Oil Co.	No. 1 Wisnom	1941	3375a	Pre-Cambrian
NE SE Sec. 28, T70N, R43W	J. A. Johnson	No. 1 R. E. Lucas	1941	1880a	Siluria 1
NE SE Sec. 28, T70N, R43W	Fremont Oil Co.	No. 1 Schroeder	1943	*2215a	Ordovician (Galena)
NE SE Sec. 28, T70N, R43W	Fremont Oil Co.	No. 2 Schroeder	1945	1266a	Devonian (Cedar Valley)
*continuation of Johnson No. 1 Lucas					
<u>Greene County</u>					
SW SE Sec. 20, T83N, R30W	Edward Bennett et al.	No. 1 Wiggins	1935	1745a	Ordovician (Prairie du Chien)
<u>Guthrie County</u>					
SE SE Sec. 11, T78N, R30W	F. E. Hunt	No. 1 H. D. McConnell	1942	2029a	Ordovician (Prairie du Chien)
Sec. 3, T81N, R32W	Central Oil and Gas Co.	-----	1929	1494a	Ordovician (Galena)
<u>Harrison County</u>					
NE NE Sec. 15, T78N, R45W	H. R. Coulthard	-----	1922	1460a	Ordovician (Maquoketa)
SW NW Sec. 17, T81N, R44W	M. P. Hall et al.	No. 1 John Johnson	1951	2058a	Cambrian (Franconia)
<u>Jackson County</u>					
C/NW Sec. 11, T84N, R3E	Texas Drilling Co.	No. 1 Miller	1907	1716a	Cambrian (Dresbach)
<u>Jefferson County</u>					
NE SE Sec. 23, T71N, R9W	Steinberger-Whiteside	No. 1 Guy Fry	1943	965a	Ordovician (Galena)
S½ Sec. 25, T72N, R10W	Jefferson County Gas, Oil and Mineral Co.	-----	1910	1685?a	Ordovician (Prairie du Chien)

Location	Operator	Lease	Date	Depth (ft)	Bottomed In
<u>Lee County</u> SE NE Sec. 10, T65N, R5W SW NE Sec. 10, T65N, R5W	G. L. Vermillion G. L. Vermillion	No. 1 Wirtz No. 2 Wirtz	1949 1950	1585a 1670a	Ordovician (Prairie du Chien) Cambrian (Jordan)
<u>Louisa County</u> Sec. 6, T75N, R3W	W. W. Wagner	No. 1 Wagner	1903	1135a	Ordovician (St. Peter)
<u>Lyon County</u> SW NW Sec. 16, T100N, R45W	I. P. Tiezen	No. 1 H. Gisolf	1953	443a	Pre-Cambrian (Doux Quartzite)
<u>Marshall County</u> W $\frac{1}{2}$ NW Sec. 25, T84N, R18W	Marshalltown Coal and Gas Prospect	-----	+1900	1020b	Ordovician (Maquoketa)
<u>Mills County</u> SW SW Sec. 15, T73N, R40W SE SE Sec. 6, T73N, R43W	F. O. Akin Council Bluffs Exploration Trust	No. 1 Harry Paul No. 1 Thieschafer	1943 1950	2836a 2505a	Silurian Ordovician (Prairie du Chien)
<u>Montgomery County</u> SE SE Sec. 5, T72N, R38W SW/c Sec. 15, T72N, R38W NW NW Sec. 2, T73N, R36W	Ohio Oil Co. Ohio Oil Co. F. E. Bell et al	No. 1 Peterson No. 1 C. Radliff No. 1 Kenworthy	1941 1941 1949	2758a 1652a 1328a	Ordovician (Prairie du Chien) Mississippian (Warsaw) Mississippian (Keokuk)
<u>Muscataine County</u> NW NW Sec. 4, T76N, R2W NW SW Sec. 29, T76N, R4W	A. L. Madden American Petroleum Co.	----- No. 1 R. C. Smith	1931 1939	682b 1265a	Ordovician (Galena) Ordovician (Prairie du Chien)

Location	Operator	Lease	Date	Depth (ft)	Bottomed In
<u>Page County</u> SE SE Sec. 25, T68N, R37W	Iowa First Oil Development Co.	No. 1 Wilson	1934	5305a	Pre-Cambrian
<u>Ringgold County</u> SE SW Sec. 8, T67N, R29W	Stanolind Oil & Gas Co.	No. 1 W. P. Turner	1944	2505a	Ordovician (Prairie du Chien)
<u>Sac County</u> SE SE Sec. 11, T86N, R35W	Reed Oil Prospect	-----	1928	1396?a	Silurian
<u>Sioux County</u> W 1/2 SE Sec. 2, T97N, R43W	J. M. McFarland	No. 1 Pioneer	1946	352?	Pleistocene
<u>Taylor County</u> NE SW Sec. 32, T68N, R33W	Pryor & Lockhart, Stanolind	No. 1 Marr Estate	1941	2896a	Ordovician (Prairie du Chien)
NE NW Sec. 18, T69N, R35W	W. O. Smythe	No. 1 Hooks	1940	1010a	Pennsylvanian (Cherokee)
NE NW Sec. 18, T69N, R35W	W. O. Smythe	No. 2 Hooks	1941	1535a	Mississippian (St. Louis)
<u>Union County</u> SE NE Sec. 31, T71N, R30W	Phillips Petroleum Co.	No. 1 Arthur Brown	1939	2860a	Ordovician (Prairie du Chien)
<u>Wayne County</u> T69N, R20W	-----	-----	1926	1000b	Mississippian
<u>Winneshiek County</u> SE SW sec. 30, T98N, R7W	Pioneer Oil & Gas Co.	No. 1 Bakke	1926?	3300?b	Pre-Cambrian

DUTH RANGE 10 EAST OF THE GILA AND SALT RIVER ME

PINAL COUNTY

2 37.47 1 37.55 4 37.72 3 37.95 2 38.19 1 38.42 4 38.62 3 38.77 2 38.93 1 39.08 4 39.26 3 39.48 2 39.68 1 39.90

4 3 2 1
SG 8/3/1921 1100526 D/C All Min

9 10 11 12
1122759 D/C All Min 1110258 D/C All Min

6 15 14 13
1110258 D/C All Min PHX 080183 WD Recon All Min 1122759 D/C All Min
GLM claim
Approx 24 mi W of Black Mt
East west claims

21 22 23 24
41.5 ROAD 43 ROAD
1122759 D/C All Min 1110258 D/C All Min

28 27 26 25
D/C

9 NOV 71
G. HIX
K. Broadwater

Taped from Loc Mon PW # 25 & 24
West 295' Turned North 500'; Turned
West 300' To Loc Mon. PW # 23 & 24

Began Sec Cor | 18 6-11E

Taped South 1012' | 19 To 4B- 6-10E

Taped South To a total of 1320'
established claim line. Heading
West 0.0

Chain	Dist West	claim No.
295'	295'	PW # 55 & 56
295'	590'	—
295'	885'	PW 57 & 58
295'	1180	
295'	1475	PW 59 & 60
295'	1770	
295'	2065 West	PW 61 & 62

Began at 0.0 point of Sec line
Between Secs 13-6-10 & 19-6-11

Chain	Dist EAST	claim no.
295'	295	PW 37 & 38
295'	590	
295'	885'	PW 39 & 40
295'	1180	
295'	1475	PW 41 & 42

9 Nov, 71 (2)

Began at Sec cor $\begin{array}{r|l} 18 & 17 \\ \hline 19 & 20 \end{array}$ G-11 E.

Taped South 1320' To establish claim line. Set claims on Sec line

Chain	DIST	Claim No.
0.0	0	
0	0	
295'	295'	PW 53 & 54
295'	590'	PW 51 & 52
295'	885	
295'	1180	PW 49 & 50
295'	1475	
295'	1770	PW 47 & 48
295'	2065	
295'	2360	PW 45 & 46
295'	2655	
295'	2950	PW 43 & 44
295'	3245	
283'	-	(PW 41 & 42) close out.

Job 671-71 (1)
Nov 5, 1971
G. Hiv
K. Broadwater.

Found The NWT of S18-6-11E.
Taped South along fence on Sec Line
Passed The East $\frac{1}{4}$ of S12-6-10E
measured 1320' S to establish SW L
of PW #1. Turned The corner with
Transit 90° 0' E. Established common
CLAIM line.

Tape	DIST	CLAIM NO.
295'	295'	PW #1 & 2
295'	590'	
295'	885'	PW #3 & 4

Returned To NWT of S18-6-11E
Taped East along Sec line fence.
found surveyed claim corners, Brass
capped pipe in pile of rocks, no markings
measured EAST 1475', placed claim
18' South of Fence PW # 5

Found Sec cor 7 8	Turned 90° 0' S
18 17	with transit
	To Establish Sec

Line between Secs. 17 & 18.

Taped	DIST	
300	300	
300	600'	
300	900'	
300	1200'	
120	1320'	PW # 17 & 18

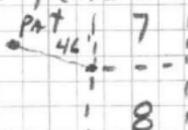
Turned corner 90° 0' W with transit.

5 NOV, 71 (2)
071-71

RAN claim West with Brunton
after initial sight with transit
claim No.

Tape	DIST	
295'	295'	
295'	590'	pw # 15 & 16
295'	885'	
295'	1180'	pw # 13 & 14
295'	1475'	
295'	1770	pw 11 & 12
295'	2065	
295'	2360	pw 9 & 10
295'	2655'	
295'	2950	pw # 7 & 8
295'	3245'	SW L pw # 7 NW T pw # 8

Claim corner ends 46' from pat.
claim corner, (no markings) of a bearing
of 110°



Taped North from SW L pw # To Sec
Line.

300	300'	
300	600'	
300	900'	
300	1200'	
123	1323'	To fence.

8 Nov, 71
 G. HIX
 K. Broadwater

Found The Sec cor $\frac{12}{13}$ 6-10E

Taped West along Sec line
 fence To set claim Loc Mon:

Chain	DIST	Claim No.
295'	295'	PW # 63
295'	590'	
295'	885'	PW # 64
295'	1180	
295'	1475	PW # 65
295'	1770	
295'	2065	PW # 66

Found Sec cor $\frac{118}{119}$ 6-11E Established

Line, Taped N along Sec Line 1320'
 and Set Short 2X2 on line. Turned
 corner 90°0' E began staking claims.

Chain	DIST.	Claim No.
295'	295'	PW # 19 & 20
295	590	
295	885	PW # 21 & 22
295	1180	
295	1475	PW # 23 & 24

8 Nov 71

Found common Sec cor $\frac{18}{19} \frac{17}{20}$

Taped North along Sec Line 1320' To

Establish Chain line. Heading West
Byc Compass.

Chain	DIST.	Claim No.
0'	0	Pw 35 & 36
295'	295'	
295'	590'	
295'	885'	Pw 33 & 34
295'	1180'	
295'	1475'	Pw 31 & 32
295'	1770	
295'	2065	Pw 29 & 30
295'	2360	
295'	2655'	Pw 27 & 28
295'	2950'	Turn South
300'	—	for 500'
200'	—	Turn West
295'	3245	

MOOSE LEAF NO. 372

J. L. DARLING CORP.

WATERPROOF

Write in the Rain



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 2 HALF W SP. I DATE 8 Nov 1971

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SEND	3-4	4-5	5-6	6-7		S.P.	S.P.	S.P.		
RECEIVE	20W ¹⁻² → 30W.					0 ^{1/2} → 10W	10W-20W	20W-30W		
RANGE	10.0	1.0	1.0	0.1						
DC 1 0.3M ₂	0.6	1.4	2.0	2.4						
DC 2 1Hz				1.5						
DC 30.1Hz				3.0						
DC 4 PFE ₂	0.8	1.6	2.2	2.6 _{1.5}						
DC 5 K ₀	3	12	30	60						
DC 6 I	9	9	6	6						
DC 7 P ₂	57	51	57	67						
DC 8 MCF	14	32	39	39						
DC AVG.										
AC 1 3.0K ₂	165.0	36.45	10.85	6.365						
AC 2	0.0	0.0	0.0	0.0						
AC AVG.										
S.P.						-15.5	-15.4	-14.4		
AC NOISE										
POT RES.						2k	1.5k	1k		



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 2 HALF W SP. I DATE 8 Nov 1971.

SEND	1-2	2-3	3-4	4-5	5-6	6-7		1-2	2-3	3-4
RECEIVE	40W					50W		70W		80W
RANGE	1.0	1.0	0.1	0.1	0.1	0.1		0.1	0.01	0.01
DC 1 <small>0-1H</small>	0.9	1.2	1.5	1.8	2.0	2.1		2.1	2.2	2.0 2.6
DC 2										
DC 3 <small>PFE</small>	1.1	1.4	1.7	2.0	2.2	2.3		2.3	2.5	2.2
DC 4 <small>Kp</small>	3	12	30	60	105	168		60	105	168
DC 5 <small>I</small>	6	6	9	9	6	6		6	6	9
DC 6 <small>Poc</small>	52	38	27	40	47	56		12	11	19
DC 7 <small>MCF</small>	21	37	62	50	46	41		188	220	117
DC 8										
DC AVG.										
AC 1 <small>1-0H₂</small>	99.9	18.1	7.835	5.725	2.58	1.905		1.16	0.616	0.959
AC 2	0.1	0.0	0.0	0.0	0.0	0.0		0.1	-0.1	0.0
AC AVG.										
S.P.	-12.6	-19.7						-21.0	-18.2	
AC NOISE										
POT RES.	1k							0.2k		



HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 2 HALF W SP. I DATE 8 Nov 1971

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SEND	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5		
RECEIVE	50W				60W.	60W				70W.	
RANGE	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
DC 1 0.142	1.5	1.7	1.8	1.9	2.2	2.0	2.1	2.2	2.1	2.6	
DC 2											
DC 3 PPK ₂	1.6	1.9	2.0	2.1	2.4	2.2	2.3	2.4	2.3	PLEASE SEE PAGE 4	
DC 4 K ₂	12	30	60	105	168	30	60	105	168		
DC 5 I	6	6	9	9	6	6	6	9	9		
DC 6 P ₂	31	21	20	37	44	18	13	18	37		
DC 7 MCF	51	92	98	57	55	125	171	131	62		
DC 8											
DC AVG.											
AC 1	14.95	3.93	2.915	3.03	1.485	3.35	1.28	1.495	1.875		
AC 2	0.2	0.0	0.0	0.0	? 0.0 ?	0.0	0.0	0.0	0.0		
AC AVG.											
S.P.	-22.9 → -14.4					-16.2 → -15.6.					
AC NOISE											
POT RES.	2K					1K					



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES (TIME)

PROJECT PAISANO WASH 671
LINE 2 HALF E SP. I DATE 9 Nov. 1971

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SEND	S.P.	S.P.	S.P.	5-6	4-5	3-4	2-3	1-2		1-2	
RECEIVE	$0^{\circ}W \rightarrow 10E$	$10E \rightarrow 20E$	$20E \rightarrow 30E$	$30E$	—————					$\rightarrow 40E$	CAL.
RANGE				10.0	1.0	1.0	1.0	0.1		10.0	
DC 1 1Hz				-0.9	0.7	1.0	1.5	1.9 2.1		-0.2	
DC 2 0.3Hz				-0.6	1.3	1.6	2.2	2.9		-0.2	
DC 3											
DC 4 PK_E				-0.5	1.5	1.8	2.4	3.1			
DC 5 K_{00}				3	12	30	60	105			
DC 6 I				6	6	6	6	6		2	
DC 7 Ca				110	181	168	112	87			
DC 8 MCF				-4.5	8.2	11	21	36			
DC AVG.											
AC 1 3.0m				214.5	86.5	32.1	10.6	4.655		194.0	
AC 2				0.2	0.0	0.0	0.0	0.0		0.0.	
AC AVG.											
S.P.	+7.5	-10.7	-9.6	-21.2	$\rightarrow -23.1$						
AC NOISE											
POT RES.	1K	2K	5K	3K							



HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 2 HALF E SP. I DATE 9 Nov 1971

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1971

9 Nov

SEND	6-7	5-6	4-5	3-4	2-3	1-2,		6-7	5-6	4-5
RECEIVE	40E					50E		80E		80E.
RANGE	10.0	10.0	1.0	1.0	0.1	0.1		1.0	1.0	1.0
DC 11.0Hz	-0.8	-0.7	1.0	1.3	1.6	2.2		1.2	1.6	1.8
DC 20.3Hz	-0.4	-0.5	1.6	1.9	2.4	2.8 3.2 3.8		2.0	2.3	2.7
DC 3										
DC 4 PFE _c	-0.3	-0.3	1.8	2.1	2.6	3.4		2.3	2.5	2.9
DC 5 K ₁	3	12	30	60	105	168		60	105	168
DC 6 I ₁	6	8	9	8	7	7		7	8	9
DC 7 P _{1c}	116	166	237	197	124	95		354	431	558
DC 8 MCF	-2.6	-1.8	7.6	11	21	36		6.2	5.8	5.2
DC AVG.										
AC 1 3.0Hz	226.0	107.5	67.65	25.0	7.815	3.71		39.2	31.05	28.2
AC 2	0.2	0.0	0.0	0.0	0.0	0.0 ± 0.2		0.1	0.0	0.0
AC AVG.										
S.P.	-20.1	-17.8						-15.5	-12.7	
AC NOISE										
POT RES.	4K							5K		



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 2 HALF E SP. I DATE 9 Nov 1971

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SEND	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4	
RECEIVE	40E				50E	50E			50E	
RANGE	1.0	1.0	1.0	1.0	0.1	1.0	1.0	1.0	1.0	PLEASE
DC 1 1.0Hz	0.8	1.0	1.4	1.6	^{1.8} 2.1 2.4	1.0	1.3	1.6	1.8	SEE
DC 2 0.3Hz	1.4	1.7	2.1	2.4	3.1	1.7	2.0	2.4	2.7	PAGE
DC 3										'7'
DC 4 PFE ₂	1.6	1.9	2.3	2.6	3.3	1.8	2.2	2.6	2.9	
DC 5 K ₂	12	30	60	105	168	30	60	105	168	
DC 6 I	7	8	9	8	7	8	8	9	8	
DC 7 P ₂	189	254	356	283	173	241	311	414	315	
DC 8 MCF	8.5	7.5	6.5	9.2	19	7.5	7.1	6.3	9.2	
DC AVG.										
AC 1 3.0Hz	105.2	64.6	50.65	20.4	6.765	61.2	39.35	33.55	14.15	
AC 2	0.1	0.0	0.0	0.0	0.0±0.2	0.2	0.0	0.0	0.0	
AC AVG.										
S.P.	-20.0	-20.2				-14.6				
AC NOISE										
POT RES.	1K					2K				

Frequencies.
1000 Hz.

Sender No. 6644-S.

Page 1

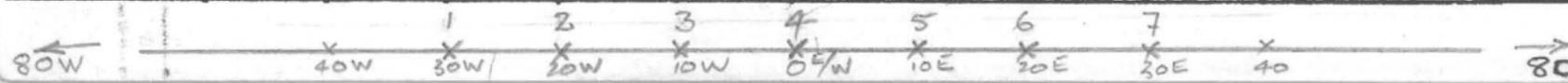
INDUCED POLARIZATION

SENDER NOTES

Project: PAISANS WASH #671 Line: 2 SPR I

Date: 8th Nov: 1971

Send	6-7	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7		1-2
Receive	^{10E} 0E/W	0E/W	→ 10W	10W		→ 20W	20W			→ 30W		CAL.
Time V	440	430	250	390	320	390	420	390	320	275		130
Range	30x233	30x266	30x133	30x300	30x200	30x200	30x300	30x300	30x200	30x200		10x20
Current	7.0	8.0	4.0	9.0	6.0	6.0	9.0	9.0	6.0	6.0		2.0
Send	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6	6-7	
Receive	30W				→ 40W	40W					→ 50W	
Time V	350	420	390	320	390	400	340	420	390	320	375	
Range	30x200	30x300	30x300	30x200	30x200	30x200	30x200	30x300	30x300	30x200	30x200	
Current	6.0	9.0	9.0	6.0	6.0	6.0	6.0	9.0	9.0	6.0	6.0	



$\frac{1}{1.5} = 0.66$
 $\frac{1}{1.5} = 0.66$
 $\frac{1}{1.5} = 0.66$

5.40

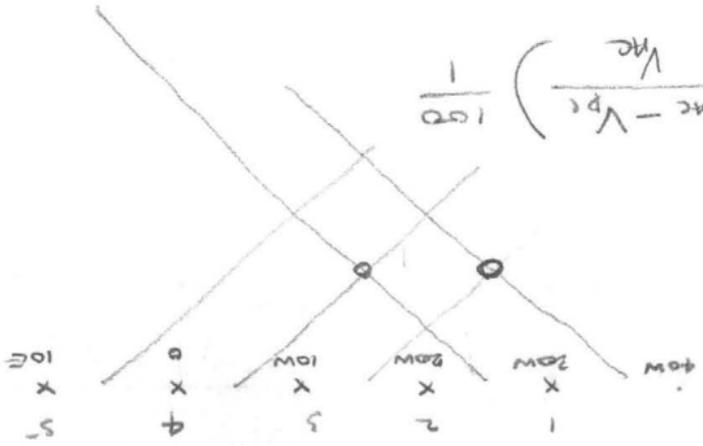
$$0.02 + (6.265) - 6.2$$

$$2.4 = \frac{V_{dc} - 6.265}{6.565}$$

180 - 3
 45 12
 18 20
 9 30
 5 40
 3 60

$$\frac{180}{3} = 60$$

$$P.F.E. = \left(\frac{V_{ac} - V_{dc}}{100} \right) \frac{V_{ac}}{100}$$



$$P.F.E. = \left(\frac{V_{dc} - V_{ac}}{100} \right) \frac{V_{ac}}{100}$$

$$\frac{1}{V} \frac{1}{k_n}$$

INDUCED POLARIZATION

SENDER NOTES

project: PAISANO WASH Line: 2 SP. 1 Date: 8+9 Nov. 1971

Send	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4
Receive	50w	—————			60w	60w	—————		70w →	70-80w	—————	
Time V	400	340	420	390	320	400	340	420	380	390	340	410
Range	30x200	30x200	30x300	30x300	30x200	30x200 12:35	30x200	30x300	30x300	30x200	30x200	30x300 1:15
Current	6.0	6.0	9.0	9.0	6.0	6.0	6.0	9.0	9.0	6.0	6.0	9.0
Send E _{1/2}	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3	1-2	
Receive	30E	—————			→ 40E	40E	—————		—————	—————	→ 50E	
Time V.	300	260	340	410	400	360	410	390	460	490	480	
Range	30x200	30x200	30x200	30x200	30x200	30x200	30x267	30x300	30x267	30x233	30x233	
Current	6.0 ⁶	8.0	9.0	8.0	7.0	7.0						



HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 3 HALF E SP. 1 DATE 11-10-71

PAGE

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SEND	CAL	3-4	4-5	5-6	6-7	4-5	5-6	6-7	5-6	6-7
RECEIVE	1-2	1-2	→			2-3	→		3-4	→
RANGE	10	10	10	1.0	1.0	10	10	1.0	10	10
DC 1/H ₂	-0.3	0.7	1.3	1.6	1.9	1.0	+0.2	1.5	-0.6	-1.3
DC 2 0.3	-0.3						-0.7-A			
DC 3 0.1	-0.2						0.2-0.4			
DC 4 PFE.	^{CAL} 1.03092	1.0	1.6	1.9	2.2	1.3	0.1	1.8	-0.3	1.6
DC 5 Ku/1000		3.0	12.0	30.0	60.0	3.0	12.0	30.0	3.0	12.0
DC 6 I	2.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	3.0
DC 7 $\frac{E}{2\pi}$		160	367	420	456	231	345	427	197	312
DC 8 MCF.		6.3	4.4	4.5	4.8	5.6	0.29	4.2	-1.5	5.1
DC AVG.									193. (SA)	
AC 1	194.	307.	175.	80.0	43.3	442.	167.	81.3	384. (C)	74.4.
AC 2	-	-	-	-	-	-	-	-	-	-
AC AVG.										
S.P.										
AC NOISE									(198.)	
POT RES.									(-1.5)	



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 3 HALF E SP. 1 DATE 11-10-71

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SEND	6-7	S.P	S.P	S.P	S-6	4-5	3-4	2-3	1-2	6-7
RECEIVE	4-5	0-10	10-20	20-30	30-40	→				40-50
RANGE	10				10	10	1.0	1.0	1.0	10
DC 1	-0.7				0.8	0.9	1.3	1.7	2.1	0.7
DC 2										
DC 3 PFE	-0.4				1.1	1.2	1.6	2.0	2.4	1.0
DC 4 $K_u/1000$	3.0				3.0	12.0	30.0	60.0	105.0	3.0
DC 5 I	6.0				6.0	6.0	6.0	6.0	6.0	6.0
DC 6 R_{2X}	229				176	349	375	456	456	139
DC 7 MEF.	-1.7				6.3	3.4	4.3	4.4	5.3	7.2
DC 8										
DC AVG.										
AC 1	447.				338.	167.	71.6	43.4	24.7	266.
AC 2	-				-	-	-	-	-	-
AC AVG.										
S.P.		+7.0	+13.4	+4.6	+9.7					+16.7
AC NOISE										
POT RES.		5K	2K	1.5K	1.5K					1K



HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH
LINE 3 HALF E SP. 1 DATE 11-10-71

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SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE					→	50-60				→
RANGE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DC 1	0.9	1.4	1.7	1.9	2.5	1.0	1.3	1.6	2.0	2.5
DC 2										
DC 3 PFE	1.2	1.7	2.0	2.2	2.8	1.3	1.6	1.9	2.3	2.8
DC 4 $K_u/1000$	12.0	30.0	60.0	105.0	168.0	12.0	30.0	60.0	105.0	168.0
DC 5 I	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DC 6 $2/\pi$	217	353	343	389	371	151	203	302	275	297
DC 7 HEP.	5.5	4.8	5.8	5.7	7.6	8.6	7.9	6.3	8.4	9.4
DC 8										
DC AVG.										
AC 1	104.	67.3	32.6	21.1	12.5	72.2	38.7	28.7	14.9	10.0
AC 2	-	-	-	-	-	-	-	-	-	-
AC AVG.										
S.P.						-6.0				
AC NOISE										
POT RES.						1K				



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT
LINE 3

PAISANO WASH 671

HALF E SP. 1 DATE 11-10-71

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SEND	6-7	5-6	4-5	3-4	6-7	5-6	4-5			
RECEIVE	60-70				70-80					
RANGE	1.0	1.0	1.0	0.1	1.0	1.0	1.0			S.P.
DC 1	1.4	1.6	2.1	2.3	1.4	2.0	2.6			0.0
DC 2										+7
DC 3 PFE	1.7	1.9	2.4	2.6	1.7	2.3	2.9			+20
DC 4 ^{Ky} /1000	30.0	60.0	105.0	168.0	60.0	105.0	168.0			+25
DC 5 <u>I</u>	6.0	6.0	6.0	6.0	6.0	6.0	6.0			+35
DC 6 ²⁵ / _{2K}	132	168	240	210	175	214	297			+51
DC 7 MEF	13	11	10	12	9.7	11	9.8			+45
DC 8										+52
DC AVG.										+71
AC 1	25.2	16.0	13.0	7.09	16.7	11.6	10.0			
AC 2	-	-	-	-	-	-	-			
AC AVG.										
S.P.	+6.2				+18.9					
AC NOISE										
POT RES.	1K				1K					



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT
LINE 3

PAISANO WASH 671

HALF W SP. 1 DATE 11-10-71

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SEND	CAL	S.P.	S.P.	S.P.	2-3	3-4	4-5	5-6	6-7	1-2
RECEIVE	1-2	0-10	10-20	20-30	30-40	W				40-50
RANGE	10				10	1.0	1.0	1.0	1.0	10
DC 1	-0.3				0.7	1.2	1.6	1.8	2.1	0.9
DC 2										
DC 3 PFE					1.0	1.5	1.9	2.1	2.4	1.2
DC 4 $K_u/1000$					3.0	12.0	30.0	60.0	105.0	3.0
DC 5 I	2.0				6.0	6.0	6.0	6.0	6.0	6.0
DC 6 P/R					117	200	366	373	377	67
DC 7 MCF.					8.5	7.5	5.2	5.6	6.4	18
DC 8										
DC AVG.										
AC 1	194.				225.	95.5	69.6	35.4	20.4	128.
AC 2	-				-	-	-	-	-	-
AC AVG.										
S.P.		-7.2	+14.0	+11.3	+9.9					+9.0
AC NOISE										
POT RES.		1 K	1 K	2 K	2 K					2 K



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH
LINE 3 HALF W SP. 1 DATE 11-10-71

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SEND	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6	
RECEIVE	40-50	→					50-60	→			
RANGE	1.0	1.0	1.0	1.0	0.1	1.0	1.0	0.1	0.1	0.1	
DC 1	1.3	1.7	2.0	2.4	2.5	1.6	1.7	2.0	2.5	2.9	
DC 2 1Hz					1.7					1.8	
DC 3 0.1Hz					3.1					3.9	
DC 4 PFE	1.6	2.0	2.3	2.7	2.8	1.9	2.0	2.3	2.8	3.2	
DC 5 $5^{kn}/1000$	12.0	30.0	60.0	105.0	168.0	12.0	30.0	60.0	105.0	168.0	
DC 6 I	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	
DC 7 $P_{20}/25$	107	145	233	219	207	56	75	91	137	123	
DC 8 MCF.	15	14	10	12	14	34	27	25	21	26	
DC AVG.											
AC 1	51.2	27.6	22.1	11.8	6.98	26.4	14.3	8.67	7.38	4.12	
AC 2	-	-	-	-	-	-	-	-	-	-	
AC AVG.											
S. P.						+9.6					
AC NOISE											
POT RES.						3K					



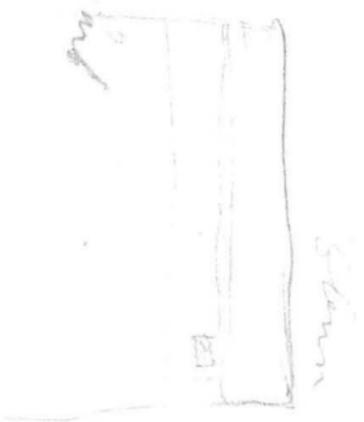
HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH
LINE 3 HALF W SP. 1 DATE 11-14-71

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SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4			
RECEIVE	60-70	—————→			70-80	—————→				S.P.
RANGE	0.1	0.1	0.1	0.1	0.1	0.1	0.1			0.0
DC 1	1.9	2.4	2.8	3.3	3.1	3.7	4.6			-7.2
DC 2 1Hz				2.2	2.1	2.6	3.2			+7
DC 3 0.1Hz				4.4	3.8	4.6	5.3			+18
DC 4 PFE	2.2	2.7	3.1	3.6	3.4	4.0	4.9			+28
DC 5 ^{KV} / ₁₀₀₀	30.0	60.0	105.0	168.0	60.0	105.0	168.0			+37
DC 6 I	6.0	6.0	6.0	6.0	6.0	6.0	6.0			+47
DC 7 ^{2C} / _{2T}	46	59	70	103	42	53	62			+51
DC 8 MCF.	48	46	44	35	81	75	80.			+59
DC AVG.										
AC 1	8.72	5.61	3.76	3.44	3.92	2.83	2.03			
AC 2	-	-	-	-	-	-	-			
AC AVG.										
S.P.	+40				+8.3					
AC NOISE										
POT RES.	2K				2K					



Bill Pearson

Rm 204

Bridggs

Ph 1326.

Ph

Sender No
6644-S.

Frequencies 30 & 0.3 Hz.

Page 1.

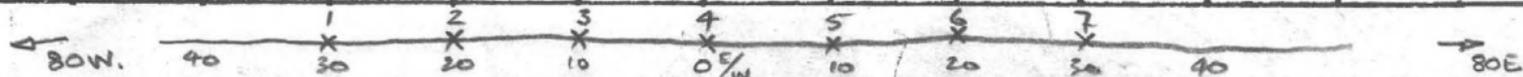
INDUCED POLARIZATION

SENDER NOTES

Project: PAISANO WASH Line: 3 SP. 1

Date: 11-10-71

Send	CAL	3-4	4-5	5-6	6-7	4-5	5-6	6-7	5-6	6-7	6-7	
Receive	1-2	1-2	—————→			2-3	—————→		3-4	→	4-5	
Time	VOLTAGE 100.	360	290	310	360	290	310	360	*160 310	180	360	
Range	10.200	30.200	30.200	30.200	30.200	30.200	30.200	30.200	30.200	30.200	30.200	
	H.	H.	H.	H.	H.	H.	H.	H.	H.	H.	H.	
Current	2A	6A	*3A @ 6A @	3A	6A							
Send	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3	1-2	
Receive	30-40	E	—————→			40-50	OE	—————→				
Time	VOLTAGE 310	290	360	370	300	360	310	290	360	370	310	
Range	30.200	30.200	30.200	30.200	30.200	30.200	30.200	30.200	30.200	30.200	30.200	
	H.	H.	H.	H.	H.	H.	H.	H.	H.	H.	H.	
Current	6A	6A	6A	6A	6A	6A	6A	6A	6A	6A	6A	



INDUCED POLARIZATION

SENDER NOTES

Project: PAISANO WASH

Line: 3 SP. 1

Date: 11-10-71

Send	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4	6-7	5-6	4-5
Receive	50-60	E	—————→			60-70	—————→			70-80	E	—————→
Time VOLTAGE	360	310	290	360	370	360	310	290	360	360	310	290
Range	30.200 H.											
Current	6A	6A	6A	6A	6A	6A	6A.	6A.	6A	6A	6A	6A.
Send W/2	CAL	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6	6-7
Receive	1-2	30-40	W	—————→			40-50	W	—————→			—————→
Time VOLTAGE	100	370	350	280	310	360	300	370	350	280	310	360
Range	10.200 H.	30.200 H.										
Current	2A	6A	6A.	6A								

10, 0.3, 0.1 Hz.
Multi-frequencies ↑

INDUCED POLARIZATION

SENDER NOTES

Project: PAISANO WASH
671

Line: 3 SPR I.

Date: 10th Nov 1971

Send	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4
Receive	50W	→ 60W				60W	→ 70W			70W	→ 80W	
Time VOLTAGE.	300	370	350	280	* * 310	300	370	350	* * 280	† 300	* * 370	* * 350
Range	30.200 H.											
Current	6A.	6A.	6A.	6A.	6A	6A	6A	6A	6A	6A	6A.	6A
Send $E\frac{1}{2}$	3-4	2-3	1-2									
Receive	10E	→ 20E										
Time VOLTAGE	360	370	310									
Range	30.200 H	30.200 H	30.200 H									
Current	6A	6A	6A.									

* * 1.0, 0.3, 0.1 Hz.

† 0.3, 0.1, 1.0 Hz.



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 4 HALF E SP. 1 DATE 11 Nov

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1971

SEND	4-5	3-4	2-3	1-2		S.P	S.P.	S.P	
RECEIVE	6-7 20E			30E		0 ⁹ / ₁₀ -10E	10E-20E	20E-30E	
RANGE	10.0	1.0	1.0	1.0					S.P.
DC 1	0.7	1.1	1.5	1.8					0.0
DC 2									0.6
DC 3 PFE	0.9	1.3	1.7	2.0					15.0
DC 4 K_{1000}	3.0	12.0	30.0	60.0					15.9
DC 5 I	6.0	6.0	6.0	6.0					20.6
DC 6 R_{20}	120	164	228	242					24.3
DC 7 MCF	7.5	7.9	7.5	8.3					29.2
DC 8									23.3
DC AVG.									20.6
AC 1	228.5	77.8	43.15	22.8					
AC 2	0.0	0.0	0.0	0.0.					
AC AVG.									
S. P.						+0.6.	+14.4	+0.9	
AC NOISE									
POT RES.						1K	1K	< 1K	



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 4 HALF E SP. 1 DATE 11 Nov 1971

SEND	5-6	4-5	3-4	2-3	1-2			6-7	5-6	4-5
RECEIVE	30E → 40E							70E → 80E		
RANGE	10.0	1.0	1.0	1.0	0.1			0.1	0.1	0.1
DC 1	0.7	1.0	1.3	1.7	1.9			1.5	2.1	2.6
DC 2										
DC 3 PFE	0.9	1.2	1.5	1.9	2.1			1.7	2.3	2.8
DC 4K _W /1000	3.0	12.0	30.0	60.0	105.0			60.0	105.0	168.0
DC 5 I	6.0	6.0	6.0	6.0	6.0			6.0	6.0	6.0
DC 6 ² / _{2π}	94	113	138	177	177			113	177	169
DC 7 MCE	9.6	11	11	11	12			15	13	17
DC 8										
DC AVG.										
AC 1	178.5	53.6	26.2	16.7	9.54			10.71	9.49	5.625
AC 2	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0
AC AVG.										
S.P.	+6.0	→ +3.4	(+4.7)					-2.7		
AC NOISE										
POT RES.	<1K							<1K		



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 4 HALF E SP. 1 DATE 11 Nov 1971

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SEND	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4		
RECEIVE	SOE				→ 60E	60E				→ 70E	
RANGE	1.0	1.0	1.0	0.1	0.1	1.0	1.0	0.1	0.1	PLEASE	
DC 1	0.9	1.4	1.6	1.8	2.4	1.3	1.8	2.1	2.6	SEE	
DC 2										PAGE	
DC 3 PFE	1.0	1.6	1.8	2.0	2.6	1.5	2.0	2.3	2.8	3.	
DC 4 $K_H/1000$	12.0	30.0	60.0	105.0	168.0	30.0	60.0	105.0	168.0		
DC 5 I	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0		
DC 6 $R_c/2X$	65	117	116	129	155	83	136	129	147		
DC 7 MCF	16	14	16	16	17	18	15	18	19		
DC 8											
DC AVG.											
AC 1	30.75	22.15	10.9	6.96	5.18	15.8	12.8	6.94	4.89		
AC 2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0		
AC AVG.											
S.P.	+6.8	→ +2.9	(+4.9)			-5.3	→ -6.4	(-5.9)			
AC NOISE											
POT RES.	<1K					<1K					



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 4 HALF W SP. I DATE 12 Nov 1971

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6

SEND	S.P.	S.P.	S.P.	2-3	3-4	4-5	5-6	6-7		1-2
RECEIVE	0 ^F / _W -10W	10W-20W	20W-30W	30W	→ 40W					CAL.
RANGE				10.0	1.0	1.0	1.0	1.0		10.0
DC 1 0.3Hz	S.P.			-0.5	1.3	1.8	2.2	2.4		-0.2
DC 2 1.0Hz	0.0			-0.2						-0.2
DC 3 0.1Hz	-1.2			-0.1						-0.2
DC 4 PFE	+2.4			-0.4	1.5	2.0	2.4	2.6		
DC 5 ^{Ky} /1000	-3.8			3.0	12.0	30.0	60.0	105.0		
DC 6 I	+0.2			6.0	6.0	6.0	6.0	6.0		
DC 7 ² / _{2π}	+15.1			119	174	209	269	248		
DC 8 MCF	+12.0			-3.4	8.6	9.6	8.9	11		
DC AVG.	+13.7									
AC 1 30W	+9.7			232.5	83.15	39.8	25.5	13.45		194.5
AC 2				0.2	0.0	0.0	0.0	0.0		0.0
AC AVG.										
S.P.	-1.2.	+3.6.	-6.2.	+11.8	→ -3.9. (4.0)					
AC NOISE										
POT RES.	<1K	<1K	<1K	<1K						

99
152
189
207

53
65
69

250
221



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 4 HALF W SP. I DATE 12 Nov 1971

SEND	1-2	2-3	3-4	4-5	5-6	6-7		1-2	2-3	3-4	
RECEIVE	40W →						50W.		70W → 80W.		
RANGE	10.0	1.0	1.0	1.0	1.0	0.1		0.1	0.1	0.1	
DC 10.3Hz	-0.5	1.4	1.7	2.0	2.4	2.8		3.0	3.5	4.1	
DC 2.10Hz	-0.8							1.9	2.2	2.7	
DC 30.1Hz	-0.2							4.0	4.5	5.2	
DC 4PPE	-0.4	1.6	1.9	2.2	2.6	3.0		3.2	3.7	4.3	
DC 5 ^{Ku} /1000	3.0	12.0	30.0	60.0	105.0	168.0		60.0	105.0	168.0	
DC 6 I	6.0	6.0	6.0	6.0	6.0	6.0		7.0	7.0	8.0	
DC 7 ^{2f} /2 _T	98	150	187	205	247	218		52	65	68	
DC 8 MCF	-4.1	11	10	11	11	14		61	57	63	
DC AVG.											
AC 1 3.0Hz	190.5	71.9	35.65	19.5	13.4	7.365		5.74	4.03	3.03	
AC 2	0.2	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	
AC AVG.											
S.P.	+17.9 →	+11.9.	(+14.9)					-2.2 →	-5.8.	(-4.0)	
AC NOISE											
POT RES.	3K							<1K			



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT PAISANO WASH 671
LINE 4 HALF W SP. I DATE 12 NOV 1971

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SEND	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5		
RECEIVE	SOW					60W	60W				70W
RANGE	1.0	1.0	1.0	0.1	0.1	1.0	0.1	0.1	0.1		
DC 1 0.3Hz	1.7	2.1	2.4	2.8	3.3	2.3	2.8	3.2	3.7	PLEASE	
DC 2 1.0Hz					2.1			2.0	2.4	SEE	
DC 3 0.1Hz					4.3			4.1	4.7	PAGE	
DC 4 PFE	1.9	2.3	2.6	3.0	3.5	2.5	3.0	3.4	3.9	'7'	
DC 5 Kw/1000	12.0	30.0	60.0	105.0	168.0	30.0	60.0	105.0	168.0		
DC 6 I	6.0	6.0	6.0	6.0	6.0	6.0	7.0	8.0	8.0		
DC 7 $\frac{9}{2\pi}$	91	118	133	138	161	66	81	87	88		
DC 8 MCF.	21	19	20	22	22	38	37	39	44.		
DC AVG.											
AC 1 3.0	43.35	22.5	12.6	7.42	5.405	12.5	8.87	6.195	3.94		
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
AC AVG.											
S.P.	-1.8	→ -4.3. (-3.1)				+5.9	→ -2.6. (+1.7)				
AC NOISE											
POT RES.	4k					<1k					



HEINRICHS GEOEXPLORATION CO.
I. P. SENDER NOTES

PROJECT PAISANO WASH 671

LINE 4 HALF E SP. 1 DATE 11 Nov

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1971.

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	3-4	4-5 0%W	10E	10E	20E	20E	20E			30E
RANGE	30x200	30x200	30x200	30x200	30x200	30x200	30x200	30x200	30x200	30x200
VOLTAGE	360	350	360	310	330	360	310	310	340	360
CURRENT	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
SEND	5-6	4-5	3-4	2-3	1-2			CAL		
RECEIVE	30E				40E			6-7		
RANGE	30x200	30x200	30x200	30x200	30x200			10x100		
VOLTAGE	350	310	310	330	360			160		
CURRENT	6.0	6.0	6.0	6.0	6.0			7.0		

FREQUENCIES 3 0.3

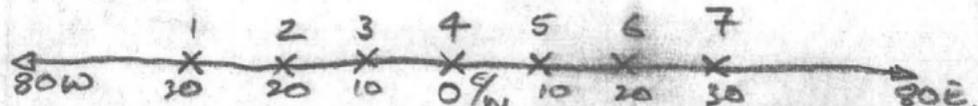
SENDER NO. 66445

OPERATOR FREEMAN #26

RECEIVER NO. 18691 R

OPERATOR TURNER #97

COMMENTS:



Receiver acted strange on 2.0 Imps - CAL



HEINRICH'S GEOEXPLORATION CO.
I. P. SENDER NOTES

PROJECT PAISANO WASH 671
LINE 4 HALF E SP. 1 DATE 11 Nov 1971

SEND	6-7	5-6	4-5	3-4	2-3	1-2			6-7	5-6	4-5
RECEIVE	40E					50E			70E		80E
RANGE	30x200	30x200	30x200	30x200	30x200	30x200			30x200	30x200	30x200
VOLTAGE	390	350	310	310	330	350			380	350	300
CURRENT	6.0	6.0	6.0	6.0	6.0	6.0			6.0	6.0	6.0
SEND	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4		
RECEIVE	50E				60E	60E			70E		
RANGE	30x200										
VOLTAGE	380	350	305	310	330	380	345	300	310		
CURRENT	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0		

FREQUENCIES 3.0 0.3
SENDER NO. 6644 S
OPERATOR W.J. FREEMAN #26
RECEIVER NO. 18691 R
OPERATOR John Turner #97

COMMENTS :



HEINRICHS GEOEXPLORATION CO.

9:45 I. P. SENDER NOTES

PROJECT PAISANO WASH # 671

LINE 4 HALF W SP. I DATE 1971 12 Nov

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12 Nov

SEND	2-3	3-4	4-5	5-6	6-7				1-2
RECEIVE	30W	—————▶ 40W.							CAL.
RANGE	30x200	30x200	30x200	30x200	30x200				10x200
VOLTAGE	330	315	305	345	380				130
CURRENT	6.0*	6.0	6.0	6.0	6.0				2.0
SEND	1-2	2-3	3-4	4-5	5-6	6-7			
RECEIVE	40W	—————▶ 50W.							
RANGE	30x200*	30x200	30x200	30x200	30x200	30x200			
VOLTAGE	350	335	315	305	345	380			
CURRENT	6.0	6.0	6.0	6.0	6.0	6.0			

FREQUENCIES 3 0.3SENDER NO. 6644 5OPERATOR W. J. FREEMAN #26RECEIVER NO. 18691 ROPERATOR J. TURNER #97

COMMENTS: * 1.0 & 0.1 ALSO



HEINRICH'S GEOEXPLORATION CO.
I. P. SENDER NOTES

PROJECT PAISANO WASH #671
LINE 4 HALF W SP. I DATE 12 NOV 1971

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SEND	1-2	2-3	3-4	4-5	5-6					
RECEIVE	50W				→ 60W					
RANGE	30X200	30X200	30X200	30X200	30X200					
VOLTAGE	355	335	315	305	350					
CURRENT	6.0	6.0	6.0	6.0	6.0					
SEND	1-2	2-3	3-4	4-5		1-2	2-3	3-4		
RECEIVE	60W			→ 70W		70W		→ 80W		
RANGE	30X200	30X233	30X267	30X267		30X233	30X233	30X267		
VOLTAGE	355	400	425	415		415	400	425		
CURRENT	6.0	7.0	8.0	8.0		7.0	7.0	8.0		

FREQUENCIES 3 0.3

SENDER NO. 66445

OPERATOR FREEMAN

RECEIVER NO. 18691 R

OPERATOR TURNER

COMMENTS :



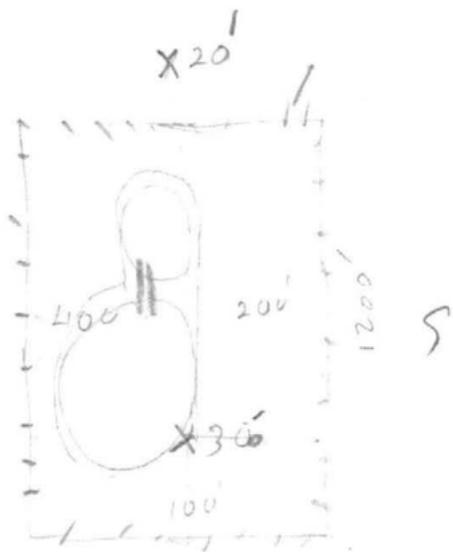
HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 671-71
LINE 5 HALF W SP. 1 DATE 11-15

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SEND	6-7	S-P	S-P	S-P	2-3	3-4	4-5	5-6	6-7	
RECEIVE	1-2	0-10W	10-20	20-30	30-40					
RANGE	1.0	10.			10.	1.0	1.0	1.0	0.1	
DC 1										
DC 2	3.0				-0.2	0.8	1.5	2.1	2.5	
DC 3										
DC 4 PFE	3.2				0.0	1.0	1.7	2.3	2.7	
DC 5 $K_n/1000$	60.0				3.0	12.0	30.0	60.0	105.0	
DC 6 I	7A.				7.0	7.0	7.0	7.0	8.0	
DC 7 $2\pi/2\pi$	97				93	116	129	140	130	
DC 8 MCF	33				0.0	8.6	13	17	21	
DC AVG.										
AC 1	10.5				209.	64.2	28.4	15.3	9.27	
AC 2	0.0				0.0	0.0	0.0	0.0		
AC AVG.										
S.P.		+5.2	-2.7	+2.4	+33.0					
AC NOISE		1K	1K	Grn fence x 22'W						
POT RES.										(PLEASE SEE REVERSE.)



W

$\times 40'$

0.0 3

3.1 1
5.8 .1 2.7

0 3

100 1

200 3

Godfrey Cambridge (?)



HEINRICH'S GEOEXPLORATION CO.
I. P. SENDER NOTES

PROJECT PAISANO WASH 671
LINE 5 HALF W SP. I DATE 15 Nov 1971

SEND	6-7	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7
RECEIVE	4-5 10E-0%W	3-4 0%W	10W.	2-3 10W		20W.	1-2 20W			30W.
RANGE	H.	H.	H.	H.	H.	H.	H.	H.	H.	H.
VOLTAGE	400	420	400	360	420	400	300	360	420	400
CURRENT	7A	7A	7A	7A	7A.	7A.	7A.	7A.	7A.	7A
SEND	2-3	3-4	4-5	5-6	6-7				4-5	
RECEIVE	30W				40W.				CAW.	
RANGE	30,233 H.	30,233 H.	30,233 H.	30,233 H.	300,266 H.				High.	
VOLTAGE	390	300	360	420	470				100	
CURRENT	7A	7A	7A.	7A	8A				2A	

FREQUENCIES 3.0 & 0.3 HZ.

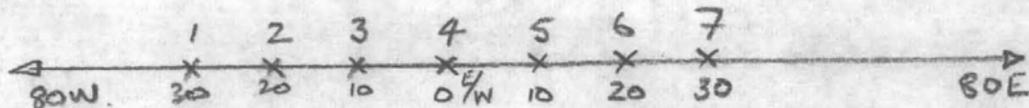
SENDER NO. 6644-S

OPERATOR J.V.S.T 97

RECEIVER NO. 18691-R

OPERATOR G.H. 64

COMMENTS :





HEINRICH'S GEOEXPLORATION CO.
I. P. SENDER NOTES

PROJECT PAISANO WASH 671

LINE 5 HALF W SP. I DATE 15 Nov

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SEND	1-2	2-3	3-4	4-5	5-6	6-7		1-2	2-3	3-4	
RECEIVE	40W					50W		70W			80W
RANGE	30.2333 H	30.2333 H	30.2333 H	30.2333 H	30.2333 H	30.2666 H		30.2333 H	30.2333 H	30.2333 H	
VOLTAGE	380	380	300	360	420	470		380	380	300	
CURRENT	7A.	7A.	7A.	7A.	7A.*	8A.†		7A.†	7A.†	7A.†	
SEND	1-2	2-3	3-4	4-5	5-6		1-2	2-3	3-4	4-5	
RECEIVE	50W					60W		60W			70W
RANGE	30.2333 H	30.2333 H	30.2333 H	30.2333 H	30.2333 H		30.2333 H	30.2333 H	30.2333 H	30.2666 H	
VOLTAGE	380	380	300	360	420		380	380	300	420	
CURRENT	7A.	7A.	7A.	7A.*	7A.†		7A.*	7A.†	7A.†	8A.†	

FREQUENCIES 3.0 0.3 Hz

SENDER NO. 6644-S

OPERATOR J.V.S.T. 97

RECEIVER NO. 18691-R

OPERATOR G.H. 64.

COMMENTS: * Frequencies 3.0, 0.3 then 1.0 0.1 Hz. 3.0
† Frequencies 3.0, 1.0, 0.3, 0.1 / 3.0 Hz.

On Str (50W → 60W.)

Input voltage fluctuating violently, current steady.

Job 671, Line 1, Spread 1, E+W $\frac{1}{2}$, 11/3/71

1000.

102.25 + 120

$$\begin{array}{r} 34 \times 3 = 102 \\ \hline 277 \\ 20 \\ \hline 35 \\ 32 \end{array}$$



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT
LINE

671

HALF E SP. 1 DATE 11-3-77

PAGE

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SEND	6-7	S.P.	S.P.	S.P.	5-6	4-5	3-4	2-3	1-2	6-7
RECEIVE	4-5	0-10E	10-20E	20-30E	30-40	—————			→	40-50
RANGE	10				10	10	1.0	1.0	1.0	10
DC 1	0.8				0.8	1.1	1.6	1.7	2.0	+0.7
DC 2										
DC 3										
DC 4 <i>cm</i>	6				6	—————			→	
DC 5 #	10				11	12	13	14	15	16
DC 6 <i>n</i>	1				1	2	3	4	5	1
DC 7										
DC 8										
DC AVG.										
AC 1	319.				275.	129.	76.9	33.6	14.0	298.
AC 2	—				—	—	—	—	—	—
AC AVG.										
S.P.		+3.3	-6.2	-6.3	14.2					-3.3
AC NOISE										
POT RES.		6K	11K	5K	5K					6K



HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 671
LINE 1 HALF E SP. 1 DATE 11-3-72

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	40-50	—————→								
RANGE	10	1.0	1.0	1.0	0.1	10	1.0	1.0	1.0	1.0
DC 1	1.0	1.4	1.7	2.0	2.2	0.9	1.3	1.7	2.0	2.3
DC 2										
DC 3										
DC 4 <i>Rev</i>	6	—————→								
DC 5 #	17	18	19	20	21	22	23	24	25	26
DC 6 <i>n</i>	2	3	4	5	6	2	3	4	5	6
DC 7										
DC 8										
DC AVG.										
AC 1	119.	71.4	48.1	22.3	9.61	107.	57.0	39.2	29.1	14.3
AC 2	-	-	-	-	-	-	-	-	-	-
AC AVG.										
S.P.						-4.3				
AC NOISE										
POT RES.						SK				



HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 671
LINE 1 HALF E SP. 1 DATE 11-3-71

PAGE
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SEND	6-7	5-6	4-5	3-4	6-7	5-6	4-5			
RECEIVE	60-70	E	→		70-80 E	→				
RANGE	1.0	1.0	1.0	1.0	1.0	1.0	1.0			
DC 1	1.0	1.5	2.0	2.5	1.5	2.0	2.3			
DC 2										
DC 3										
DC 4 <i>ten</i>	6	→								
DC 5 #	27	28	29	30	31	32	33			
DC 6 <i>n</i>	3	4	5	6	4	5	6			
DC 7										
DC 8										
DC AVG.										
AC 1	51.3	31.3	23.0	17.7	33.1	22.3	17.0			
AC 2	-	-	-	-	-	-	-			
AC AVG.										
S.P.	-13.0				+2.5					
AC NOISE										
POT RES.	6K				4K					

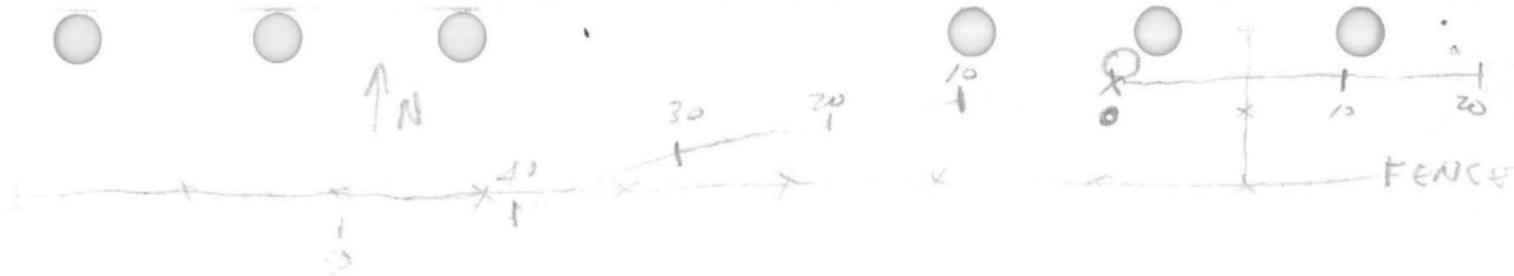


HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 671
LINE 1 HALF W SP. 1 DATE 11-3-71

PAGE
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SEND	CAL	S.P.	S.P.	S.P.	2-3	3-4	4-5	5-6	6-7	1-2
RECEIVE	1-2	0-10W	10-20W	20-30	30-40	—————				40-50
RANGE	10				10	1.0	1.0	0.1	0.1	10
DC 1	-0.3				1.0	1.4	1.7	2.1	2.1	0.8
DC 2								1.4 0.9		
DC 3								0.1	2.7	
DC 4										
DC 5 <i>Am</i>					6	—————				→
DC 6 #					34	35	36	37	38	39
DC 7 n					1	2	3	4	5	1
DC 8										
DC AVG.										
AC 1	194				109.9	35.7	14.4	8.50	6.26	104.
AC 2	-				-	-	-	-	-	-
AC AVG.										
S.P.		-17.4	-13.1	-21.9	-4.3					-6.5
AC NOISE										
POT RES.		15K	18K	5K	4K					4K





HEINRICH'S GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 671
LINE 1 HALF W SP. 1 DATE 11-3-71

SEND	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6
RECEIVE	40-50					50-60				
RANGE	1.0	1.0	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1
DC 1	1.3	1.9	2.1	2.1	2.3	1.5	1.9	2.6	3.0	3.0
DC 2										
DC 3										
DC 4 <i>cm</i>	9	6								
DC 5 #	40	41	42	43	44	45	46	47	48	49
DC 6 <i>n</i>	2	3	4	5	6	2	3	4	5	6
DC 7										
DC 8										
DC AVG.										
AC 1	29.1	10.7	5.35	3.62	2.87	15.3	5.71	4.61	2.59	1.87
AC 2	-	-	-	-	-	-	-	-	-	-
AC AVG.										
S.P.						+20.2				
AC NOISE										
POT RES.						12K				



HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 671
LINE 1 HALF W SP. 1 DATE 11-2-51

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4			
RECEIVE	60-70	→			70-80	→				
RANGE	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
DC 1	1.8	2.9	4.1	5.0 _{CB}	3.3 _{2.6}	4.5 _{4.8}	4.9 _{5.2}			
DC 2				2.1 _{4.4}	(1.7)	(1.7)	(2.0)			
DC 3			1.4	1.50(A)	2.6 _{2.9}	3.5 _{3.8}	3.8 _{4.1}			
DC 4			0.14	2.0 _{2.3}	4.4 _{4.7}	5.3 _{5.6}	5.7 _{6.0}			
DC 5										
DC 6 <i>Cur</i>	6	→			→					
DC 7 #	50	51	52	53	54	55	56			
DC 8 <i>n</i>	3	4	5	6	4	5	6			
DC AVG.				<i>noisy</i>		<i>noisy</i>	<i>noisy</i>			
AC 1	4.22	2.53	2.38	1.47	1.78	1.48	1.54			
AC 2	-	-	-	-	-	-	-			
AC AVG.										
S.P.	-16.4				+1.6					
AC NOISE										
POT RES.	20k				5K					



HEINRICH'S GEOEXPLORATION CO.
I. P. SENDER NOTES

PROJECT 671
LINE 1 HALF E SP. 1 DATE 11-3-71

PAGE
1

SEND	CAL	3-4	4-5	5-6	6-7	4-5	5-6	6-7	5-6	6-7
RECEIVE	1-2	1-2	→	→	→	2-3	→	→	3-4	→
RANGE	10X200	30X266	30X200	30X233	30X233	30X200	30X233	30X233	30X233	30X200
VOLTAGE	120	480	415	425	460	410	425	460	425	400
CURRENT	2.0	8.0	6.0	7.0	7.0	6.0	7.0	7.0	7.0	6.0
SEND	6-7	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4
RECEIVE	4-5	30-40E	→	→	→	→	40-50	→	→	→
RANGE	30X200									
VOLTAGE	400	370	405	375	290	340	395	360	400	360
CURRENT	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

FREQUENCIES 3.0 0.3

SENDER NO. 66475

OPERATOR Rich KNOX # 91

RECEIVER NO. 18691 R

OPERATOR B. FREEMAN # 26

COMMENTS :



HEINRICH'S GEOEXPLORATION CO.
I. P. SENDER NOTES

PROJECT 671
LINE 1 HALF E SP. 1 DATE 10-2-72

SEND	2-3	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5
RECEIVE	40-50	→	50-60	→	→	→	→	60-70	→	→
RANGE	30X200									
VOLTAGE	290	330	385	355	400	360	290	390	355	400
CURRENT	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
SEND	3-4	6-7	5-6	4-5						
RECEIVE	→	70-80	→	→						
RANGE	30X200	30X200	30X200	30X200						
VOLTAGE	360	385	355	400						
CURRENT	6.0	6.0	6.0	6.0						

FREQUENCIES 3.0 0.3
SENDER NO. 66445
OPERATOR R. KNOX No. 91.
RECEIVER NO. 18691 R
OPERATOR B. FREEMAN No. 26.

COMMENTS :



HEINRICH'S GEOEXPLORATION CO.
I. P. SENDER NOTES

PROJECT 671
LINE 1 HALF W SP. 1 DATE 11-3-71

SEND	CAL	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	1-2	30-40W					40-50			
RANGE	10X200	30X200	30X200	30X200	30X200	30X200	30X200	30X300	30X200	30X200
VOLTAGE	105	285	350	390	345	380	320	430	350	380
CURRENT	2.0	6.0	6.0	6.0	6.0	6.0	6.0	9.0	6.0	6.0
SEND	5-6	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4
RECEIVE	40-50	50-60	50-60				60-70	60-70		
RANGE	30X200									
VOLTAGE	330	350	320	285	340	375	340	320	285	340
CURRENT	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

FREQUENCIES 3.0 0.3

SENDER NO. 66445

OPERATOR R. KNOX No. 91.

RECEIVER NO. 18691 R

OPERATOR B. FREEMAN No. 26

COMMENTS :



HEINRICHS GEOEXPLORATION CO.
I. P. SENDER NOTES

PROJECT 671
LINE 1 HALF W SP. 1 DATE 11-3-71

SEND	4-5	1-2	2-3	3-4						
RECEIVE	60-70	70-80 ^{8-1-0.3-1}	3.0, 1.0, 0.3 _{0.1}	3.0-1.0-0.3- _{0.1}						
RANGE	30X200	30X200	30X200	30X200						
VOLTAGE	380	320	285	340						
CURRENT	6.0	6.0	6.0	6.0						
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3
SENDER NO. 66445
OPERATOR R. KNOX No 91
RECEIVER NO. 18691 R
OPERATOR B. FREEMAN No 26

COMMENTS :

HEINRICHS GEOEXPLORATION CO.
 POST OFFICE BOX 5964
 TUCSON, ARIZONA (85703)
 PHONE 623-0578

JOB 671 LINE 1 SPREAD 1 E + W 1/2 11/3071
 CAL GROUP NO. 1

1000 FEET=DIPOLE LENGTH

CAL CUR 2.000 PFE -.30 AC1 194.000 AC2 0.00 AC FREQ 3.00 DC FREQ .30 PFE CAL -.3000 RHO CAL 1.0309

COMPUTED DATA

FIELD DATA

POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	108.16	1.00	9.2	.93	8.6	.07	**	.70	8.00	1	1	277.000	0.00
2	2	125.81	1.70	13.5	1.50	11.9	.20	**	1.40	6.00	2	2	60.000	0.00
3	3	161.02	1.80	11.2	1.47	9.1	.33	**	1.50	7.00	3	3	35.800	0.00
4	4	219.02	2.00	9.1	1.59	7.3	.41	**	1.70	7.00	4	4	24.300	0.00
5	1	114.95	0.00	0.0	-.06	-.5	.06	**	-.30	6.00	5	1	223.000	0.00
6	2	182.07	1.50	8.2	1.38	7.6	.12	**	1.20	7.00	6	2	101.500	0.00
7	3	279.21	1.60	5.7	1.45	5.2	.15	**	1.30	7.00	7	3	62.200	0.00
8	1	160.50	-.20	-1.2	-.20	-1.2	0.00	**	-.50	7.00	8	1	364.000	0.00
9	2	301.36	1.50	5.0	1.50	5.0	0.00	**	1.20	6.00	9	2	144.000	0.00
10	1	166.24	1.10	6.6	1.10	6.6	0.00	**	.80	6.00	10	1	319.000	0.00
11	1	143.31	1.10	7.7	1.10	7.7	0.00	**	.80	6.00	11	1	275.000	0.00
12	2	269.70	1.40	5.2	1.40	5.2	0.00	**	1.10	6.00	12	2	129.000	0.00
13	3	403.92	1.90	4.7	1.81	4.5	.09	**	1.60	6.00	13	3	76.900	0.00
14	4	353.32	2.00	5.7	1.79	5.1	.21	**	1.70	6.00	14	4	33.600	0.00
15	5	258.39	2.30	8.9	1.76	6.8	.54	**	2.00	6.00	15	5	14.000	0.00
16	1	155.14	1.00	6.4	1.00	6.4	0.00	**	.70	6.00	16	1	298.000	0.00
17	2	248.55	1.30	5.2	1.22	4.9	.08	**	1.00	6.00	17	2	119.000	0.00
18	3	374.30	1.70	4.5	1.60	4.3	.10	**	1.40	6.00	18	3	71.400	0.00
19	4	505.79	2.00	4.0	1.87	3.7	.13	**	1.70	6.00	19	4	48.100	0.00
20	5	411.57	2.30	5.6	2.01	4.9	.29	**	2.00	6.00	20	5	22.300	0.00
21	6	284.34	2.50	8.8	1.77	6.2	.73	**	2.20	6.00	21	6	9.610	0.00
22	2	223.27	1.20	5.4	1.11	5.0	.09	**	.90	6.00	22	2	107.000	0.00
23	3	298.52	1.60	5.4	1.46	4.9	.14	**	1.30	6.00	23	3	57.000	0.00
24	4	412.21	2.00	4.9	1.83	4.4	.17	**	1.70	6.00	24	4	39.200	0.00
25	5	537.07	2.30	4.3	2.10	3.9	.20	**	2.00	6.00	25	5	29.100	0.00
26	6	423.52	2.60	6.1	2.18	5.1	.42	**	2.30	6.00	26	6	14.300	0.00
27	3	267.87	1.30	4.9	1.14	4.2	.16	**	1.00	6.00	27	3	51.300	0.00
28	4	328.81	1.90	5.8	1.67	5.1	.23	**	1.60	6.00	28	4	31.300	0.00
29	5	424.49	2.30	5.4	2.03	4.8	.27	**	2.00	6.00	29	5	23.000	0.00
30	6	525.23	2.80	5.3	2.48	4.7	.32	**	2.50	6.00	30	6	17.700	0.00
31	4	347.38	1.80	5.2	1.58	4.6	.22	**	1.50	6.00	31	4	33.100	0.00
32	5	411.57	2.30	5.6	2.01	4.9	.29	**	2.00	6.00	32	5	22.300	0.00
33	6	503.48	2.60	5.2	2.27	4.5	.33	**	2.30	6.00	33	6	17.000	0.00
34	1	57.39	1.30	22.7	1.14	19.8	.16	**	1.00	6.00	34	1	109.900	0.00
35	2	74.86	1.70	22.7	1.29	17.3	.41	**	1.40	6.00	35	2	35.700	0.00
36	3	75.71	2.00	26.4	1.08	14.3	.92	**	1.70	6.00	36	3	14.400	0.00
37	4	89.73	2.40	26.7	1.05	11.7	1.35	**	2.10	6.00	37	4	8.500	0.00
38	5	115.65	2.40	20.8	.82	7.1	1.58	**	2.10	6.00	38	5	6.260	0.00
39	1	54.20	1.10	20.3	.92	17.0	.18	**	.80	6.00	39	1	104.000	0.00
40	2	40.64	1.60	39.4	.67	16.5	.93	**	1.30	9.00	40	2	29.100	0.00
41	3	56.37	2.20	39.0	.85	15.0	1.35	**	1.90	6.00	41	3	10.700	0.00
42	4	56.48	2.40	42.5	-.06	-1.1	2.46	**	2.10	6.00	42	4	5.350	0.00
43	5	66.88	2.40	35.9	-.79	-11.8	3.19	**	2.10	6.00	43	5	3.620	0.00
44	6	85.00	2.60	30.6	-.90	-10.6	3.50	**	2.30	6.00	44	6	2.870	0.00
45	2	32.11	1.80	56.0	.53	16.6	1.27	**	1.50	6.00	45	2	15.300	0.00
46	3	30.08	2.20	73.1	-.84	-27.9	3.04	**	1.90	6.00	46	3	5.710	0.00
47	4	48.90	2.90	59.3	-.05	-1.1	2.95	**	2.60	6.00	47	4	4.610	0.00
48	5	48.27	3.30	68.4	-1.50	-31.0	4.80	**	3.00	6.00	48	5	2.590	0.00
49	6	55.76	3.30	59.2	-2.61	-46.9	5.91	**	3.00	6.00	49	6	1.870	0.00
50	3	22.21	2.10	94.6	-2.34	-105.4	4.44	**	1.80	6.00	50	3	4.220	0.00
51	4	26.92	3.20	118.9	-3.01	-111.8	6.21	**	2.90	6.00	51	4	2.530	0.00
52	5	44.83	4.40	98.2	-.86	-19.1	5.26	**	4.10	6.00	52	5	2.380	0.00
53	6	44.68	5.30	118.6	-2.45	-54.8	7.75	**	5.00	6.00	53	6	1.470	0.00
54	4	19.01	3.60	189.4	-5.86	-308.4	9.46	**	3.30	6.00	54	4	1.780	0.00
55	5	27.98	4.80	171.5	-4.53	-161.9	9.33	**	4.50	6.00	55	5	1.480	0.00
56	6	46.77	5.20	111.2	-2.13	-45.6	7.33	**	4.90	6.00	56	6	1.540	0.00