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The following file is part of the West Oatman Project mining collection

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REYNOLDS METALS EXPLORATION, INC.

Reynolds Metals Company • 5301 Longley Lane • Suite 157 • Reno, Nevada 89511

Telephone: (702) 829-8018

Facsimile: (702) 829-8026

February 22, 1991

Mr. Pat Harris
Harris Drilling Company
472 S. Escondido Blvd.
Escondido, CA 92025

RE: West Oatman Drilling Project

Dear Pat:

Please find enclosed, copies of the project completion reports Reynolds filed with the Arizona Department of Water Resources for our latest drilling at West Oatman.

Also enclosed is an updated list of the thirteen drill holes completed at West Oatman with the specific location information, etc. If you have any questions on this, please call.

Thanks for taking the time between projects to complete these last two holes for us. Ray and I really appreciate it.

Best regards,

Michael R. Winston

Michael R. Winston

J.S.

WEST OATMAN PROJECT

Mohave County, Arizona

<u>Drill Hole Number</u>	<u>Date Started</u>	<u>Date Completed</u>	<u>Angle</u>	<u>Bearing</u>	<u>Depth</u>	<u>Depth To Water</u>	<u>Township</u>	<u>Range</u>	<u>Section</u>
W0-91-1	1/15/91	1/16/91	-60°	Due North	590'	260'	T20N	R20W	Sec. 19, SW1/4, NW1/4, SW1/4
W0-91-2	1/17/91	1/17/91	-90°	-	400'	220'	T20N	R21W	Sec. 24, NE1/4, NE1/4, SE1/4
W0-91-3	1/18/91	1/19/91	-90°	-	600'	185'	T20N	R21W	Sec. 24, NW1/4, SE1/4, SE1/4
W0-91-4	1/19/91	1/20/91	-90°	-	400'	180'	T20N	R21W	Sec. 24, NW1/4, NE1/4, SE1/4
W0-91-5	1/21/91	1/21/91	-90°	-	400'	180'	T20N	R21W	Sec. 24, SE1/4, NW1/4, SE1/4
W0-91-6	1/22/91	1/22/91	-90°	-	300'	260'	T20N	R21W	Sec. 24, NE1/4, NW1/4, SE1/4
W0-91-7	1/22/91	1/23/91	-90°	-	400'	240'	T20N	R21W	Sec. 24, NE1/4, NW1/4, SE1/4
W0-91-8	1/23/91	1/24/91	-90°	-	400'	260'	T20N	R21W	Sec. 24, NW1/4, NW1/4, SE1/4
W0-91-9	1/24/91	1/24/91	-90°	-	365'	160'	T20N	R21W	Sec. 24, SW1/4, NW1/4, SE1/4
W0-91-10	1/25/91	1/25/91	-90°	-	600'	145'	T20N	R21W	Sec. 24, NW1/4, SW1/4, SE1/4
W0-91-11	1/26/91	1/26/91	-90°	-	410'	160'	T20N	R21W	Sec. 24, SE1/4, NE1/4, SE1/4
RAL-1	2/15/91	2/15/91	-60°	S3°E	300'	NA	T20N	R20W	Sec. 30, NE1/4, NW1/4, SE1/4
RAL-2	2/16/91	2/16/91	-90°	-	200'	NA	T20N	R20W	Sec. 19, NW1/4, SE1/4, SE1/4



REYNOLDS METALS EXPLORATION, INC.

Reynolds Metals Company • 5301 Longley Lane • Suite 157 • Reno, Nevada 89511

Telephone: (702) 829-8018

Facsimile: (702) 829-8026

February 6, 1991

Operations Division
State of Arizona
Department of Water Resources
15 South 15th Avenue
Phoenix, Arizona 85007

RE: Registration No. 55-530387
File No. B(20-21)24D

To Whom It May Concern:

Enclosed, please find project completion reports for 11 exploration drill holes, W0 1-11, located in Sec. 19, T20N, R20W and Sec. 24, T20N, R21W Mohave County, Arizona. These holes were drilled for mineral exploration purposes and plugged by Hugh M. Harris Drilling of Escondido, California for Reynolds Metals Exploration, Inc. of Reno, Nevada during the period January 15 - January 26, 1991. If I can be of further assistance, please don't hesitate contacting me.

Sincerely,

Raymond Irwin
Regional Exploration Manager



REYNOLDS METALS EXPLORATION, INC.

Reynolds Metals Company • 5301 Longley Lane • Suite 157 • Reno, Nevada 89511

Telephone: (702) 829-8018

Facsimile: (702) 829-8026

February 6, 1991

Mr. Pat Harris
Harris Drilling Company
472 S. Escondido Blvd.
Escondido, CA 92025

RE: West Oatman Drilling Project

Dear Pat:

Please find enclosed, copies of the project completion reports Reynolds filed with the Arizona Department of Water Resources. We chose to file only this form because of our interpretation of the regulations concerning exploration holes.

Also enclosed is a list of the eleven drill holes completed at West Oatman with the specific location information, etc. If you have any questions on this, please call.

I thank you and your crew for doing a fine job at West Oatman, and hope we can work together again soon.

Sincerely,

Michael R. Winston
Michael R. Winston

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 30 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.
 Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Name | Street | City | State | Zip
2. Lessee or Operator: Same As Above
 Address: _____
Name | Street | City | State | Zip
3. Driller: Hugh M. Harris Drilling Company
 Address: 472 South Escondido Blvd. | Escondido | California | 92025
Name | Street | City | State | Zip
4. Location: T20N | R20W | 19 | SW | NW | SW | WELL REGISTRATION NO. 55-530387
Township | Range | Section | 1/4 | 1/4 | 1/4 | (A REQUIREMENT)

DESCRIPTION OF WELL W0-91-1

5. Type of Casing (if installed): None
6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.
7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A
8. Date or period drilled: 7/15/91 thru 1/16/91

LOG OF WELL

Unconsolidated Formation

Consolidated Formation
 Depth to water in feet below land surface: 260'
 (if encountered or detected)

DO NOT WRITE IN THIS SPACE	
OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Raymond L. Linn | 2-6-91
 Owner's Signature | Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 30 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.
 Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Name | Street | City | State | Zip
2. Lessee or Operator: Same As Above
 Address: _____
Name | Street | City | State | Zip
3. Driller: Hugh M. Harris Drilling Company
 Address: 472 South Escondido Blvd. | Escondido | California | 92025
Name | Street | City | State | Zip
4. Location: T20N | R21W | 24 | NE | NE | SE | WELL REGISTRATION NO. 55-530387
Township | Range | Section $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | (A REQUIREMENT)

DESCRIPTION OF WELL W0-91-2

5. Type of Casing (if installed): None
6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.
7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A
8. Date or period drilled: 1/17/91

LOG OF WELL

- Unconsolidated Formation
- Consolidated Formation
 Depth to water in feet below land surface: 220'
 (if encountered or detected)

DO NOT WRITE IN THIS SPACE OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Raymond Lewis | 2-6-91
 Owner's Signature | Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 3 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.
 Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Name Street City State Zip
2. Lessee or Operator: Same As Above
 Address: _____
Name Street City State Zip
3. Driller: Hugh M. Harris Drilling Company
 Address: 472 South Escondido Blvd. | Escondido | California | 92025
Name Street City State Zip
4. Location: T20N | R21W | 24 | NW | SE | SE | WELL REGISTRATION NO. 55-530387
Township Range Section 1/4 1/4 1/4 (A REQUIREMENT)

DESCRIPTION OF WELL W0-91-3

5. Type of Casing (if installed): None
6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.
7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A
8. Date or period drilled: 1/18/91 thru 1/19/91

LOG OF WELL

Unconsolidated Formation

Consolidated Formation

Depth to water in feet below land surface: 185'
(if encountered or detected)

DO NOT WRITE IN THIS SPACE OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Raymond L. Luce | 2-6-91
 Owner's Signature Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 30 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.
 Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Name | City | State | Zip
Street
2. Lessee or Operator: Same As Above
 Address: _____ | _____ | _____ | _____
Name | City | State | Zip
Street
3. Driller: Hugh M. Harris Drilling Company
 Address: 472 South Escondido Blvd. | Escondido | California | 92025
Name | City | State | Zip
Street
4. Location: T20N | R21W | 24 | NW | NE | SE | WELL REGISTRATION NO. 55-530387
Township Range Section 1/4 1/4 1/4 (A REQUIREMENT)

DESCRIPTION OF WELL

W0-91-4

5. Type of Casing (if installed): None
6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.
7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A
8. Date or period drilled: 1/19/91 thru 1/20/91

LOG OF WELL

Unconsolidated Formation

Consolidated Formation

Depth to water in feet below land surface: 180'
(if encountered or detected)

DO NOT WRITE IN THIS SPACE OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Raymond Irwin | 1-2-6-91
 Owner's Signature | Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 30 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.
 Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Name Street City State Zip
2. Lessee or Operator: Same As Above
 Address: _____ | _____ | _____ | _____
Name Street City State Zip
3. Driller: Hugh M. Harris Drilling Company
 Address: 472 South Escondido Blvd. | Escondido | California | 92025
Name Street City State Zip
4. Location: T20N | R21W | 24 | SE | NW | SE | WELL REGISTRATION NO. 55-530387
Township Range Section 1/4 1/4 1/4 (A REQUIREMENT)

DESCRIPTION OF WELL W0-91-5

5. Type of Casing (if installed): None
6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.
7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A
8. Date or period drilled: 4/21/91 thru 1/21/91

LOG OF WELL

- Unconsolidated Formation
- Consolidated Formation
 Depth to water in feet below land surface: 180'
 (if encountered or detected)

DO NOT WRITE IN THIS SPACE OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Raymond Irwin | 2-6-91
 Owner's Signature Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 30 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.
 Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Name Street City State Zip

2. Lessee or Operator: Same As Above
 Address: _____ | _____ | _____ | _____
Name Street City State Zip

3. Driller: Hugh M. Harris Drilling Company
 Address: 472 South Escondido Blvd. | Escondido | California | 92025
Name Street City State Zip

4. Location: T20N | R21W | 24 | NE | NW | SE | WELL REGISTRATION NO. 55-530387
Township Range Section 1/4 1/4 1/4 (A REQUIREMENT)

DESCRIPTION OF WELL W0-91-6

5. Type of Casing (if installed): None

6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.

7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A

8. Date or period drilled: 1/22/91

LOG OF WELL

Unconsolidated Formation

Consolidated Formation
 Depth to water in feet below land surface: 260'
 (if encountered or detected)

DO NOT WRITE IN THIS SPACE OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Raymond Brown | 2-6-91
 Owner's Signature Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 30 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.
 Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Name | Street | City | State | Zip
2. Lessee or Operator: Same As Above
 Address: _____
Name | Street | City | State | Zip
3. Driller: Hugh M. Harris Drilling Company
 Address: 472 South Escondido Blvd. | Escondido | California | 92025
Name | Street | City | State | Zip
4. Location: T20N | R21W | 24 | NE | NW | SE | WELL REGISTRATION NO. 55-530387
Township | Range | Section | 1/4 | 1/4 | 1/4 | (A REQUIREMENT)

DESCRIPTION OF WELL W0-91-7

5. Type of Casing (if installed): None
6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.
7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A
8. Date or period drilled: 1/22/91 thru 1/23/91

LOG OF WELL

Unconsolidated Formation

Consolidated Formation
 Depth to water in feet below land surface: 240'
 (if encountered or detected)

DO NOT WRITE IN THIS SPACE OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Raymond Lewis | 2-6-91
 Owner's Signature | Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 30 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.
 Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Name | Street | City | State | Zip
2. Lessee or Operator: Same As Above
 Address: _____ | _____ | _____ | _____
Name | Street | City | State | Zip
3. Driller: Hugh M. Harris Drilling Company
 Address: 472 South Escondido Blvd. | Escondido | California | 92025
Name | Street | City | State | Zip
4. Location: T20N | R21W | 24 | NW | NW | SE | WELL REGISTRATION NO. 55-530387
Township | Range | Section | 1/4 | 1/4 | 1/4 | (A REQUIREMENT)

DESCRIPTION OF WELL W0-91-B

5. Type of Casing (if installed): None
6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.
7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A
8. Date or period drilled: 1/23/90 thru 1/24/90

LOG OF WELL

Unconsolidated Formation

Consolidated Formation

Depth to water in feet below land surface: 260'
(if encountered or detected)

DO NOT WRITE IN THIS SPACE	
OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Owner's Signature _____

Date _____

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 30 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.
 Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Name Street City State Zip
2. Lessee or Operator: Same As Above
 Address: _____ | _____ | _____ | _____
Name Street City State Zip
3. Driller: Hugh M. Harris Drilling Company
 Address: 472 South Escondido Blvd. | Escondido | California | 92025
Name Street City State Zip
4. Location: T20N | R21W | 24 | SW | NW | SE | WELL REGISTRATION NO. 55-530387
Township Range Section 1/2 1/2 1/2 (A REQUIREMENT)

DESCRIPTION OF WELL W0-91-9

5. Type of Casing (if installed): None
6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.
7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A
8. Date or period drilled: 1/24/91

LOG OF WELL

Unconsolidated Formation

Consolidated Formation
 Depth to water in feet below land surface: 160'
 (if encountered or detected)

DO NOT WRITE IN THIS SPACE OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Raymond Lanni | 2-6-91
 Owner's Signature Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 30 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.
 Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Name Street City State Zip
2. Lessee or Operator: Same As Above
 Address: _____ | _____ | _____ | _____
Name Street City State Zip
3. Driller: Hugh M. Harris Drilling Company
 Address: 472 South Escondido Blvd. | Escondido | California | 92025
Name Street City State Zip
4. Location: T20N | R21W | 24 | NW | SW | SE | WELL REGISTRATION NO. 55-530387
Township Range Section 1/4 1/4 1/4 (A REQUIREMENT)

DESCRIPTION OF WELL W0-91-10

5. Type of Casing (if installed): None
6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.
7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A
8. Date or period drilled: 1/25/91

LOG OF WELL

Unconsolidated Formation

Consolidated Formation

Depth to water in feet below land surface: 145'
(if encountered or detected)

DO NOT WRITE IN THIS SPACE OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Raymond Lewis | 2-6-91
 Owner's Signature Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 30 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.
 Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Name Street City State Zip
2. Lessee or Operator: Same As Above
 Address: _____ | _____ | _____ | _____
Name Street City State Zip
3. Driller: Hugh M. Harris Drilling Company
 Address: 472 South Escondido Blvd. | Escondido | California | 92025
Name Street City State Zip
4. Location: T20N | R21W | 24 | SE | NE | SE | WELL REGISTRATION NO. 55-530387
Township Range Section 1/2 1/2 1/2 (A REQUIREMENT)

DESCRIPTION OF WELL W0-91-11

5. Type of Casing (if installed): None
6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.
7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A
8. Date or period drilled: 1/26/91

LOG OF WELL

- Unconsolidated Formation
- Consolidated Formation
- Depth to water in feet below land surface: 160'
(if encountered or detected)

DO NOT WRITE IN THIS SPACE OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Raymond Lewis | 2-6-91
 Owner's Signature Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 3 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.
Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Street | City | State | Zip
2. Lessee or Operator: Same As Above
Address: _____ | _____ | _____ | _____
Street | City | State | Zip
3. Driller: Hugh M. Harris Drilling Company
Address: 472 South Escondido Blvd. | Escondido | California | 92025
Street | City | State | Zip
4. Location: T20N | R20W | 30 | NE | NW | SE | WELL REGISTRATION NO. 55-530387
Township | Range | Section | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | (A REQUIREMENT)

DESCRIPTION OF WELL RAL-1

5. Type of Casing (if installed): None
6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.
7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A
8. Date or period drilled: 2/15/91

LOG OF WELL

Unconsolidated Formation

Consolidated Formation
Depth to water in feet below land surface: None
(if encountered or detected)

DO NOT WRITE IN THIS SPACE	
OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Raymond Irwin
Owner's Signature

2/21/91
Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

PROJECT COMPLETION REPORT FOR EXPLORATION DRILLING

This report must be prepared by the owner in all detail and filed with the Department within 3 days following completion of the well drilling project.

1. Owner: Reynolds Metals Exploration, Inc.

Address: 5301 Longley Lane, Suite 157 | Reno | Nevada | 89511
Name | City | State | Zip
Street

2. Lessee or Operator: Same As Above

Address: _____ | _____ | _____ | _____
Name | City | State | Zip
Street

3. Driller: Hugh M. Harris Drilling Company

Address: 472 South Escondido Blvd. | Escondido | California | 92025
Name | City | State | Zip
Street

4. Location: T20N | R20W | 19 | NW | SE | SE | WELL REGISTRATION NO. 55-530387
Township | Range | Section | 1/4 | 1/4 | 1/4 (A REQUIREMENT)

DESCRIPTION OF WELL RAL-2

5. Type of Casing (if installed): None

6. Abandonment method and material used if abandoned: Drill hole was backfilled with cuttings and capped with a twenty (20) foot cement plug to within two (2) feet of the surface. The upper two (2) feet was then backfilled with a mixture of cuttings and topsoil.

7. Construction details if completed for monitoring purposes, re-entry or conversion to water wells: N/A

8. Date or period drilled: 2/16/91

LOG OF WELL

Unconsolidated Formation

Consolidated Formation

Depth to water in feet below land surface: None
(if encountered or detected)

DO NOT WRITE IN THIS SPACE	
OFFICE RECORD	
Registration No. <u>55-530387</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>B(20-21)24D</u>	

I state that this report is filed in compliance with A.R.S. § 45-600 and is complete and correct to the best of my knowledge and belief.

Raymond Davis | 2/21/91
Owner's Signature | Date

12/24/90



REYNOLDS METALS EXPL. INC
5301 LONGLEY LN S157
RENO NV 89511

ARIZONA
DEPARTMENT
OF WATER
RESOURCES

Rose Mofford, Governor
N. W. Plummer
Director

Re: Registration No. 55-530387

File No. B(20-21)24D

15 South 15th Avenue
Phoenix, Arizona 85007

Dear Well Owner:

Enclosed for your records is an annotated copy of the Notice of Intention to Drill a well which was recently filed with this Department. This is returned to you as evidence of compliance with A.R.S. §45-596. Your designated driller has been mailed, separately, a Well Drilling Card which he is required to have in his possession before commencing to drill the well.

Since this well is being drilled as a monitor well, or for cathodic protection, grounding, geotechnical or piezometer purposes, our standard driller report form is also being furnished to the driller which he is required to complete and return to the Department within 30 days after the completion of drilling. A Completion Report form is being furnished for monitor wells where pump equipment is authorized to be installed as part of this packet so that you may submit the report within 30 days after the installation of the pumping equipment on a monitor well as required by A.R.S. §45-600.

This well is authorized to be drilled for mineral exploration purposes. Because of this, no pump equipment may be installed. A Project Completion Report is being furnished you for each hole to be drilled. You are required to submit this Project Completion Report within 30 days after completion of drilling. Frequently, exploration wells are abandoned shortly after drilling. Therefore, pursuant to R12-15-816.B, a Notice of Intent to Abandon a Well is being furnished.


The Department of Water Resources requires you to obtain written permission before proceeding with the drilling in the event that you determine it necessary to change the location of the proposed well. A properly signed amended Drilling Card must be in the possession of the driller before drilling commences at a different location than originally authorized.

If in the course of drilling a new well, it is determined that the well needs to be abandoned, then a Well Abandonment Completion Report must be submitted per R12-15-816.F.

RECEIVED DEC 26 1990

For your future use, a Change of Well Information form is enclosed for your convenience. Per A.R.S. §45-593, the person to whom a well is registered shall notify this Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate.

Sincerely,



R. A. Gessner

Chief, Operations Division

RAG:dl

Enclosures

DWR-55-50-9/90(Revised)

EXPLORATION WELL(S)

ARIZONA DEPARTMENT OF WATER RESOURCES

EXPLORATION WELL(S)

FILING FEE \$10.00

15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

FILING FEE \$10.00

NOTICE OF INTENTION TO DRILL EXPLORATION WELL(S)

Section §45-596, Arizona Revised Statutes, and Rule 12-15-817 provide: Prior to drilling one or more exploration wells, the well owner, or exploration firm shall file a Notice of Intention to Drill on a form provided by the Department.

WELL/LAND LOCATION

1. Township 20 N | Range 2 E | Section 19
and T20N, R20W, SW¼ Sec. 19
In the case of a single well,
list 10-acre subdivision.

10 ACRE 40 ACRE 160 ACRE

2. County Mohave

Reynolds Metals Exploration, Inc. U.S. Bureau of Land Mngmt.

3. Applicant Name
5301 Longley Lane, Ste. 157
Address
Reno, NV 89511
City State Zip

4. Mike Winston/Ray Irwin
Name of Contact Person
Phone (702) 829-8018

5. Owner of Well
Reynolds Metals Expl., Inc.
Name
5301 Longley Ln., Ste. 157
Address
Reno, NV 89511
City State Zip

6. Purpose of well(s) drilled pursuant to this Notice:

Mineral Exploration X
Geotechnical _____
Cathodic Protection _____
Grounding _____

7. Number of wells up to 10
(See Condition 4 on reverse side)

8. Owner of Land:
Name Local Office: Kingman Resource Area
2475 Beverly Avenue
Address
Kingman, AZ 86401
City State Zip

9. DESCRIPTION OF THE WELL
Diameter 5-6 inches
Depth Approx. 500 feet
Type of casing. If none, state: May use temporary steel casing, which if used would be removed from each well prior to abandonment.

10. Construction will start
January 15, 1991
Month Day Year

11. Drilling Firm:
Hugh M. Harris Drilling Co
Name

472 So. Escondido Blvd.
Address
Escondido, CA 92025
City State Zip
429

DWR License Number
Comm. Water Well Drillers Lic.
ROC License Category

12. Period well will remain in use: up to 2 months

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
File No. B(20-2124)
Filed 12-18-90 By sk
Input _____ By _____
DUPLICATE
Mailed 12-24-90 By sk
Registration 55- 630387
AMA/INA -
W/S 02 S/B

13. Proposed method of abandonment of well(s) after project is completed: Fill each well with cuttings and bentonite to within 20' of surface. A cement cap will then be set to within 2' of surface. The upper 2' of hole will be backfilled with a mixture of cuttings and surface soil. All abandonment procedures will comply with Rules R12-15-816 and R12-15-817.

14. Is the proposed wellsite within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility or storage area of hazardous materials or a petroleum storage area and tanks?
Yes _____ No X

GENERAL INSTRUCTIONS

- 1. Fill out this form in DUPLICATE and send WITH \$10.00 FEE to 15 South 15th Avenue, Phoenix, AZ 85007.
- 2. For specific instructions, limitations and conditions, see the reverse side of this form.

I state that Notice is filed in compliance with Rule R12-15-809 and is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on the reverse side of this form.

12/11/90

Date
DWR 55-43-7/90 (Rev.)

Raymond Irwin

Signature of Applicant/Owner
Reynolds Metals Exploration, Inc.



NO FEE REQUIRED

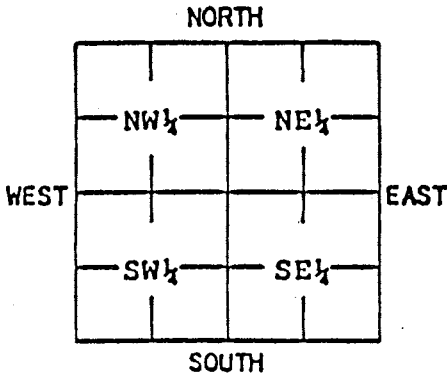
DEPARTMENT OF WATER RESOURCES (DWR)

NO FEE REQUIRED

15 South 15th Avenue
Phoenix, Arizona 85007

NOTICE OF INTENT TO ABANDON A WELL

A.R.S. §45-594, R12-15-816: Well abandonment shall be performed only by a licensed well drilling contractor or single well licensee. The owner of a well shall file a Notice of Intent to Abandon the well prior to abandonment.



INDICATE WELL LOCATION BY X
(Above diagram represents one
640 acre section)

6. County Assessor's ID:

Book	Map	Parcel
------	-----	--------

DESCRIPTION OF WELL TO BE ABANDONED:

7. Abandonment will begin: Month _____ Year _____
8. Well Diameter _____ inches
9. Well Depth _____ feet
10. Type of Casing _____
11. Materials and methods to be used to abandon the well: _____

12. Reason for abandonment: _____

13. To your knowledge, is there any information that exists which indicates that the water in this well may be or is contaminated? Yes _____ No _____. If yes, explain on an attached sheet.

14. Licensed Driller performing abandonment: Firm Name _____ License No. _____
Address _____ City _____ State _____ Zip _____

1. Well Location:

Township	Range	Section
	$\frac{1}{4}$	$\frac{1}{4}$
10 Acre	40 Acre	160 Acre

2. Position location of the well on the land:

Latitude _____ ° _____ ' _____ "

Longitude _____ ° _____ ' _____ "

**DO NOT WRITE IN THIS SPACE
OFFICE RECORD**

File No. _____

Filed _____ By _____

Input _____ By _____

DUPLICATE

Mailed _____ By _____

Registration _____

3. Well Registration Number: 55- _____

4. Well Owner:

Name _____

Mailing Address _____

City _____ State _____ Zip _____

Telephone _____

5. Owner of the land:

Name _____

Address _____

City _____ State _____ Zip _____

GENERAL INSTRUCTIONS

- This form is to be used to obtain authority to abandon a well.
- If this well has just been discovered pursuant to A.R.S. §45-593.D., and has not been registered, this form will serve to register the well when properly abandoned and reported.
- Fill out this form in DUPLICATE and send to 15 South 15th Avenue, Phoenix, AZ 85007.
- Construction standards for abandonment shall be in accordance with Department Rules and Regulations.

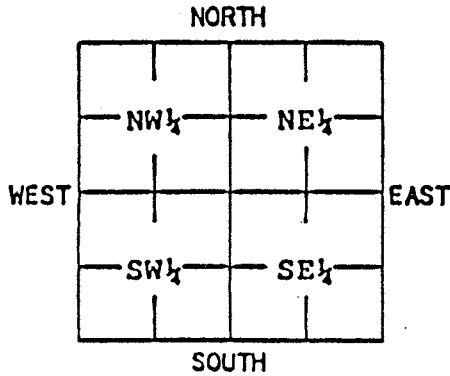
I state that this Notice is filed in compliance with A.R.S. §45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and belief.

Date: _____ Signature of Well Owner: _____

15 South 15th Avenue
Phoenix, Arizona 85007

NOTICE OF INTENT TO ABANDON A WELL

A.R.S. §45-594, R12-15-816: Well abandonment shall be performed only by a licensed well drilling contractor or single well licensee. The owner of a well shall file a Notice of Intent to Abandon the well prior to abandonment.



INDICATE WELL LOCATION BY X
(Above diagram represents one
640 acre section)

1. Well Location:

Township	Range	Section
	$\frac{1}{4}$	$\frac{1}{4}$
10 Acre	40 Acre	160 Acre

3. Well Registration Number:

55-_____

4. Well Owner:

Name _____

Mailing Address _____

City _____ State _____ Zip _____

Telephone _____

2. Position location of the well on the land:

Latitude _____ ° ' "

Longitude _____ ° ' "

5. Owner of the land:

Name _____

Address _____

City _____ State _____ Zip _____

6. County Assessor's ID:

Book	Map	Parcel

**DO NOT WRITE IN THIS SPACE
OFFICE RECORD**

File No. _____

Filed _____ By _____

Input _____ By _____

DUPLICATE

Mailed _____ By _____

Registration _____

DESCRIPTION OF WELL TO BE ABANDONED:

7. Abandonment will begin: Month _____ Year _____
8. Well Diameter _____ inches
9. Well Depth _____ feet
10. Type of Casing _____
11. Materials and methods to be used to abandon the well: _____
12. Reason for abandonment: _____
13. To your knowledge, is there any information that exists which indicates that the water in this well may be or is contaminated? Yes _____ No _____. If yes, explain on an attached sheet.
14. Licensed Driller performing abandonment: Firm Name _____ License No. _____
- Address _____ City _____ State _____ Zip _____

GENERAL INSTRUCTIONS

- This form is to be used to obtain authority to abandon a well.
- If this well has just been discovered pursuant to A.R.S. §45-593.D., and has not been registered, this form will serve to register the well when properly abandoned and reported.
- Fill out this form in DUPLICATE and send to 15 South 15th Avenue, Phoenix, AZ 85007.
- Construction standards for abandonment shall be in accordance with Department Rules and Regulations.

I state that this Notice is filed in compliance with A.R.S. §45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and belief.

Date: _____ Signature of Well Owner: _____

IMPORTANT INFORMATION FOR WELL OWNERS & WELL DRILLERS

Wells, when unattended during well drilling, shall be securely covered for safety purposes, and to prevent the introduction of foreign substances into the well (A.A.C. R12-15-813).

During temporary periods of well maintenance, modification or repair, the well may be capped by securing the cap to the top of the casing with a lock, not to exceed 30 days (A.A.C. R12-15-822.C.).

When the drilling rig is removed from the well site one of the following requirements shall be completed:

1. Construction completed and the well either sealed or equipped with a pump (A.A.C. R12-15-815.1.).
2. Well abandoned per rules (A.A.C. R12-15-815.2.).



REYNOLDS METALS EXPLORATION, INC.

Reynolds Metals Company • 5301 Longley Lane • Suite 157 • Reno, Nevada 89511

Telephone: (702) 829-8018

Facsimile: (702) 829-8026

December 11, 1990

Arizona Department of Water Resources
15 South 15th Avenue
Phoenix, Arizona 85007

RE: Notice of Intention to Drill Exploration Wells - West Oatman Project
Mohave County, Arizona

To Whom It May Concern:

Attached, please find a completed Notice Of Intention To Drill Exploration Wells form, for the West Oatman project, Mohave County, Arizona. I have also attached a money order for \$10.00 to cover the filing fee. If I can be of further assistance, please don't hesitate contacting me.

Sincerely,

Raymond Irwin
Regional Exploration Manager

12-12-87

Please forgive our oversight in not including the Money Order in yesterday's letter.

Enclosed is M.O. # 6402373.

Thank you.



SECURITY PACIFIC BANK NEVADA
P.O. BOX 11500 RENO, NEVADA 89550

PERSONAL MONEY ORDER - RECEIPT

OFFICE NO.

No. 6402373

December 12, 19 90

PURCHASER NAME: State of Arizona

PURCHASER SIGNATURE: [Signature]

PAYABLE TO: State of Arizona, Department of Water Resources

CONTRA

- CUSTOMER - ACCT. #
- NON-CUSTOMER - I.D. #

OFFICE MGR. APPROVAL:

[Signature] SIGNATURE

NOT NEGOTIABLE

Reynolds Metals Exploration, Inc.
5301 Longley Lane, Suite 157

NOTICE TO CUSTOMERS: The customer, in purchasing the Personal Money Order with the name and address of the payee and his/her own signature and address, and assumes responsibility for all events made possible by failure to do so. The purchase of an indemnity bond may be required before any official check of this bank will be replaced in the event it is lost, misplaced or stolen.

\$	100.00
FEE	3.00
TOTAL	103.00



REYNOLDS METALS EXPLORATION, INC.

Reynolds Metals Company • 5301 Longley Lane • Suite 157 • Reno, Nevada 89511

Telephone: (702) 829-8018

Facsimile: (702) 829-8026

December 11, 1990

Arizona Department of Water Resources
15 South 15th Avenue
Phoenix, Arizona 85007

RE: Notice of Intention to Drill Exploration Wells - West Oatman Project
Mohave County, Arizona

To Whom It May Concern:

Attached, please find a completed Notice Of Intention To Drill Exploration Wells form, for the West Oatman project, Mohave County, Arizona. I have also attached a money order for \$10.00 to cover the filing fee. If I can be of further assistance, please don't hesitate contacting me.

Sincerely,

A handwritten signature in cursive script that reads "Raymond Irwin".

Raymond Irwin
Regional Exploration Manager

EXPLORATION WELL(s)

ARIZONA DEPARTMENT OF WATER RESOURCES

EXPLORATION WELL(s)

FILING FEE \$10.00

15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007

FILING FEE \$10.00

NOTICE OF INTENTION TO DRILL EXPLORATION WELL(S)

Section 545-596, Arizona Revised Statutes, and Rule 12-15-817 provide: Prior to drilling one or more exploration wells, the well owner, or exploration firm shall file a Notice of Intention to Drill on a form provided by the Department.

WELL/LAND LOCATION

1. 20 N | 2 E | SE 1/4 Sec. 24
Township | Range | Section
and T20N, R20W, SW 1/4 Sec. 19
In the case of a single well,
list 10-acre subdivision.
1/4 1/4 1/4
10 ACRE 40 ACRE 160 ACRE

2. County Mohave

Reynolds Metals Exploration, Inc.
U.S. Bureau of Land Mngmt.

3. Applicant Name
5301 Longley Lane, Ste. 157
Address
Reno, NV 89511
City State Zip

4. Mike Winston/Ray Irwin
Name of Contact Person
Phone (702) 829-8018

5. Owner of Well
Reynolds Metals Expl., Inc.
Name
5301 Longley Ln., Ste. 157
Address
Reno, NV 89511
City State Zip

6. Purpose of well(s) drilled pursuant to this Notice:

Mineral Exploration X
Geotechnical _____
Cathodic Protection _____
Grounding _____

7. Number of wells up to 10
(See Condition 4 on reverse side)

8. Owner of Land:
U.S. Bureau of Land Mngmt.

Name Local Office: Kingman Resource Area
2475 Beverly Avenue
Address
Kingman, AZ 86401
City State Zip

9. DESCRIPTION OF THE WELL
Diameter 5-6 inches
Depth Approx. 500 feet
Type of casing. If none, state: May use temporary steel casing, which if used would be removed from each well prior to abandonment.

10. Construction will start
January 15, 1991
Month Day Year

11. Drilling Firm:
Hugh M. Harris Drilling Co
Name

472 So. Escondido Blvd.
Address
Escondido, CA 92025
City State Zip
429

DWR License Number
Comm. Water Well Drillers Lic.
ROC License Category

12. Period well will remain in use: up to 2 months

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
File No. _____
Filed _____ By _____
Input _____ By _____
DUPLICATE
Mailed _____ By _____
Registration 55- _____
AMA/INA _____
W/S _____ S/B _____

13. Proposed method of abandonment of well(s) after project is completed: Fill each well with cuttings and/o bentonite to within 20' of surface. A cement cap will then be set to within 2' of surface. The upper 2' of hole will be backfilled with a mixture of cuttings and surface soil. All abandonment procedures will comply with Rules R12-15-816 and R12-15-817.

14. Is the proposed wellsite within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility or storage area of hazardous materials or a petroleum storage area and tanks?
Yes _____ No X

GENERAL INSTRUCTIONS

- 1. Fill out this form in DUPLICATE and send WITH \$10.00 FEE to 15 South 15th Avenue, Phoenix, AZ 85007.
- 2. For specific instructions, limitations and conditions, see the reverse side of this form.

I state that Notice is filed in compliance with Rule R12-15-809 and is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on the reverse side of this form.

12/11/90

Date

DWR 55-43-7/90 (Rev.)

Raymond Irwin

Signature of Applicant/Owner

Reynolds Metals Exploration, Inc.