

Minerals Reclamation Permit Annual Report



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

General Information

Disclaimer

Under the terms of your NOI or Reclamation Permit and Colorado Statutes, you must submit Annual Fees and Annual Reports (including a map). You must pay the Annual Fee and submit an Annual Report each year until reclamation responsibility release is granted. The Annual Fee is not a renewal fee. The Fee and Report are for LAST YEAR'S mining and reclamation season, and MUST be paid even if your operation was inactive.

If you have requested reclamation responsibility release from the Division of Reclamation, Mining and Safety ("Division") but your permit is not released by the anniversary date listed below, the Annual Fee MUST be paid. If the permit is released before the anniversary date, then by Statute, it is not necessary to pay an Annual Fee or submit an Annual Report for that year.

Division records indicate the following is due:

Select Permit Number *

Only Permit Numbers with currently due Annual Reports and Fees will be listed. If nothing appears in the dropdown box below, there are no annual fees or reports due for any of your permits.

M1977424

Select Anniversary Date *

03-28-2022

PLEASE REMEMBER TO CLICK "SUBMIT" AFTER YOU HAVE COMPLETED YOUR REPORT AND PAYMENT.

Please check the box indicating you have read and understand the terms of the Annual Report and Annual Fee *

☒ I understand and agree to the terms

General Information

Permittee Name

Occidental Oil Shale, Inc.

Operation Name

Logan Wash

Permit Number	Fee Due	Permit Acreage
M1977424	633.00	108.55

County	Anniversary Date	Current Bond Amount
Garfield	03-28-2022	236752.00

Proceed

Contact Information

Here is the contact information we have on file for this permit. If any of it is inaccurate, you will have the opportunity to correct it after this form has been submitted.

1. Upon submission of this form you will be presented with a link to the contact information update form.
2. There is a question asking about the accuracy of this information at the bottom of this page. Indicating that it is inaccurate will send an e-mail to notify your administrator to make the appropriate changes.

Permittee Contact Information

Permittee Contact Name

Mike Anderson

Permittee Company

Occidental Oil Shale, Inc.

Permittee Address 1

c/o Glenn Springs Holdings, Inc.

Permittee Address 2

5 Greenway Plaza, Suite 110

Permittee City	Permittee State	Permittee Zip
Houston	TX	770460000

Permittee Phone #	Permittee Fax #
7133665143	7139858980

Permittee Contact Email Address

roger_smith@oxy.com

Permitting Contact Info

Permitting Contact Name

Bruce Smith

Permitting Company

Western Water & Land, Inc.

Permitting Address 1

743 HorizonCt. Ste 330

Permitting Address 2

Permitting City	Permitting State	Permitting Zip
Grand Junction	CO	815060000

Permitting Phone #	Permitting Fax #
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9702420170

9702420270

Permitting Contact Email Address

bsmith@westernwaterandland.com

Inspection Contact Info

Inspection Contact Name

Bruce Smith

Inspection Company

Western Water & Land, Inc.

Inspection Address 1

743 Horizon Ct., Suite 330

Inspection Address 2

Inspection City

Grand Junction

Inspection State

CO

Inspection Zip

815060000

Inspection Phone #

9702420170

Inspection Fax #

9702420270

Inspection Contact Email Address

bsmith@westernwaterandland.com

Is the Permitting Contact information listed above correct? If it is not correct your organization's Administrator will receive an email notification. *

☐ Yes ☒ No

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Annual Report Questions

Annual Report Questions

Information contained in this report is required and will be reviewed by the Division upon receipt and prior to the next compliance inspection of the site. If, while completing this report, you learn that your site is not in compliance with the rules and the act, it is advisable that the issues be rectified promptly to avoid possible enforcement action.

1. Is the site identification sign posted in accordance with Rule 3.1.12(1). *

☒ Yes ☐ No

2. Is the affected area boundary clearly marked in accordance with Rule 3.1.12(2). *

☒ Yes ☐ No

3. Is the mine site in final reclamation (all material extraction and stockpile removal is complete)? *

If "YES," please note time limits related to completion of reclamation, Rule 3.1.3.

☒ Yes ☐ No

4. Please enter the date of last activity at the mine (excavation, processing or hauling). Or, if activity has not yet begun, please indicate so. *

☐ No activity yet ☒ Yes, activity has begun 3/2/1982

5. Does the mine operate more than 180 days per year? *

If "NO", please review Rule 1.13 to assure that your mine is in compliance.

☐ Yes ☒ No

6. Has this mine been granted approval of TEMPORARY CESSATION Status? *

☐ Yes ☒ No

7. Has this mine been granted approval for INTERMITTENT OPERATION? * (?)

☐ Yes ☒ No

For the following questions, please note that numeric values must include one decimal place, such as "0.0" for zero acres, or 10.2 instead of 10.23.

8. Number of acres currently affected (mining + incomplete and or unreleased reclamation). * (?)

42.5

9. Number of acres that were newly affected during the current report year * (?)

0.0

10. Number of acres that were reclaimed during the current report year. * (?)

0.0

11. Estimated new acreage to be affected in the next report year. * (?)

0.0

12. Estimated acres to be reclaimed in the next report year. * (?)

0.0

13. Total acres in various stages of reclamation, since permitted mining activities began:

Total acres backfilled * (?)

2.0

Total acres graded * (?)

14.8

Total acres seeded with approved mix * (?)

30.2

Seed Application Method *

Broadcast seeding

Total acres fertilized with aproved fertilizer * (?)

20.8

Fertilizer Application Method *

Hydro spreader

Total acres with topsoil replaced * (?)

14.7

Topsoil replacement depth (in.) * (?)

6.0

Total acres mulched with approved mulch * (?)

16.8

Mulch application rate (tons/ac) * (?)

2.0

Mulch Application Method *

Hydromulching

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Annual Report Questions

14. Is weed control being conducted in accordance with an approved Weed Control Plan? *

If "YES", indicate the weed species, control area, control type, application rate and treatment date on the report map.

☒ Yes ☐ No ☐ N/A

15. Is adequate topsoil reserved for reclamation, based on your approved permit? *

If "NO", please explain

☐ Yes ☐ No ☒ N/A

16. Is the reserved topsoil vegetated/stabilized in accordance with Rule 3.1.9(1)? *

If "NO", please explain

☐ Yes ☐ No ☒ N/A

17. If mining has exposed groundwater, is the site in compliance with the approved mining plan and Office of the State Engineer (Well Permit, S.W.S.P., and/or Permanent Augmentation Plan)? *

☐ Yes ☐ No ☒ N/A

18. Are all hazardous materials stored within approved spill containment structures? *

☐ Yes ☐ No ☒ N/A

19. Is your financial warranty value sufficient to cover the cost to complete reclamation? *

☒ Yes ☐ No ☐ N/A

20. Is your basis for legal right to enter still valid? *

☒ Yes ☐ No

21. Does your permit require you to submit monitoring information annually? *

☒ Yes ☐ No ☐ N/A

Required Monitoring Results Upload *

Only PDF formatted files can be uploaded.

Table 8_ Site Monitoring_2022 Annual Report.pdf	71.37KB
Table 9 Notes_Biannual Sampling Data_2021.pdf	96.77KB
Table 9_Biannual Sampling Data_LW001_2021.pdf	453.72KB
Table 10_Biannual Sampling Data_Retort_2021.pdf	876.02KB
Table 11_Biannual Sampling Data_LWCW-1A_2021V2.pdf	652.09KB
Tables 10 Notes_Biannual Sampling Data_2021.pdf	96.69KB
Tables 11 Notes_Biannual Sampling Data_2021 all data.pdf	81.71KB
Figure 5 Logan Wash Mine LW-001 and Retort Discharge.pdf	443.67KB
Figure 6_2020 Semi-Annual Water Sampling Locations.pdf	772.15KB
Figure 7_Precipitation 2021.pdf	948.06KB

22. As required by Colorado Mined Land Reclamation Act and/or Colorado Land Reclamation Act for the Extraction of Construction Materials (C.R.S.34-32-116 or 34-32.5-116), attach a map to this report that accurately depicts the permit boundary, current affected area boundary and location of the acreages specified in items 8-12 and 15. *

Only PDF formatted files can be uploaded.

Figure 2_Logan Wash Facilities.pdf	3.27MB
Figure 3_Logan Wash Mine Wells.pdf	24.88MB
Figure 4A_Reclamation Status.pdf	2MB
Figure 4B_Reclamation Status.pdf	2.04MB
Figure 11_Logan_P_Debilis.pdf	2.84MB
Figure 12_Logan_P_Debilis_Transplanting.pdf	3.17MB
Figure 1_Logan Wash Location Map.pdf	2.04MB

23. If you have supplemental information you would like to provide, please upload it here.

Only PDF formatted files can be uploaded.

DRMSLWannl22_Final.pdf	287.92KB
Figure 1_Logan Wash Location Map.pdf	2.04MB
Figure 2_Logan Wash Facilities.pdf	3.27MB
Figure 3_Logan Wash Mine Wells_2020.pdf	4.85MB
Figure 4A_Reclamation Status.pdf	2MB
Figure 4B_Reclamation Status.pdf	2.04MB
Figure 5_Logan Wash Mine LW-001 and Retort Discharge.pdf	443.67KB
Figure 6_2020 Semi-Annual Water Sampling Locations.pdf	772.15KB
Figure 7_Precipitation 2021.pdf	948.06KB
Figure 8_Pond Lining Systemv2.pdf	1.09MB
Figure 9_As-Built Evaporation Pond Features2.pdf	281.45KB
Figure 10_Logan_P_Debilis.pdf	1.47MB
Figure 11_Logan_P_Debilis_Transplanting.pdf	3.17MB
Logan Wash Tables 1-8_2022.pdf	122.36KB
Table 9 Notes_Biannual Sampling Data_2021.pdf	96.77KB
Table 9_Biannual Sampling Data_LW001_2021.pdf	454.36KB
Table 10_Biannual Sampling Data_Retort_2021.pdf	876.02KB
Table 11 Notes_Biannual Sampling Data_LWCW-1A_2021.pdf	95.52KB
Table 11_Biannual Sampling Data_LWCW-1A_2021.pdf	652.13KB
Tables 10 Notes_Biannual Sampling Data_2021.pdf	96.69KB

24. Rule 5.7 requires submittal of final abandonment reports within 60 days for any drill hole(s) with artesian flows and no later than 12 months for all other completed drill holes. If drill holes are a component of your exploration/prospecting activities, have they been properly abandoned?

☒ Yes ☐ No ☐ NA

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Annual Fee Payment

Annual Fee Payment

Payment Confirmation Number * (?)

185162220

Signature

I, the undersigned, hereby state that the information provided in this report is true and accurate, and that site operations are being conducted in accordance with the Division approved mining and reclamation plans. *



I Agree

If you do not see the "Submit" button after completing your report, try to un-check and then re-check the "I Agree" box.

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