OGMCOAL DNR <ogmcoal@utah.gov>

Centennial Degas Well Inspection 7/25 and 8/1/2019

1 message

Priscilla Burton <priscillaburton@utah.gov> Wed, Aug 21, 2019 at 10:01 AM
To: "Madsen, Karin Odendahl" <kmadsen@coalsource.com>, OGMCOAL DNR <ogmcoal@utah.gov>
Cc: Steve Christensen <stevechristensen@utah.gov>

Hello Karin,

The attached report describes the reclamation of the degas wells and pads in compliance with DO 19A.

Thank you for your recent phone call updating me on the weed control at all pad sites and completed well 5A road closure. Please let me know when the sites are seeded. I'd like to get a seed tag for the file.

Sincerely,

Priscilla Burton, CPM, CPSSc
Environmental Scientist
Division of Oil, Gas, & Mining
Price Field Office

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priscillaburton@utah.gov

08012019 Centennial Insp Rpt 6483.pdf
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State of Utah
DEPARTMENT OF NATURAL RESOURCES

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Inspection Report

Permit Number:	**C0070019**
Inspection Type:	PARTIAL
Inspection Date:	Thursday, July 25, 2019
Start Date/Time:	7/25/2019 9:30:00 AM
End Date/Time:	8/1/2019
Last Inspection:	Tuesday, July 2, 2019

Representatives Present During the Inspection:	
OGM	Priscilla Burton
Company	Karin Madsen

Inspector: Priscilla Burton,

Weather: overcast 75F

InspectionID Report Number: 6483

Accepted by:SCHRISTE
8/20/2019

Permitee: **ANDALEX RESOURCES INC**
Operator: **ANDALEX RESOURCES INC**
Site: **CENTENNIAL MINE**
Address: **PO BOX 910, EAST CARBON UT 84520-0910**
County: **CARBON**
Permit Type: **PERMANENT COAL PROGRAM**
Permit Status: **INACTIVE**

Current Acreages

2,274.77	**Total Permitted**
47.19	**Total Disturbed**
	Phase I
	Phase II
	Phase III

Mineral Ownership

- [x] Federal
- [x] State
- [ ] County
- [x] Fee
- [ ] Other

Types of Operations

- [x] Underground
- [ ] Surface
- [ ] Loadout
- [ ] Processing
- [ ] Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

I observed plugging of Degs Well #6 on July 25, 2019 by Boart Longyear. On August 1, 2019, I confirmed completion of reclamation per DO-19A requirements.

Inspector's Signature: Priscilla Burton

Priscilla Burton
2019.08.21 09:55:27 -06'00'

Date Thursday, August 1, 2019

Priscilla Burton,
Inspector ID Number: 37

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

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UTAH DNR OIL, GAS & MINING

REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
a. For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.
b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performace standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	☑	☐	☑	☐
2. Signs and Markers	☐	☐	☐	☐
3. Topsoil	☐	☐	☐	☐
4.a Hydrologic Balance: Diversions	☐	☐	☐	☐
4.b Hydrologic Balance: Sediment Ponds and Impoundments	☐	☐	☐	☐
4.c Hydrologic Balance: Other Sediment Control Measures	☐	☐	☐	☐
4.d Hydrologic Balance: Water Monitoring	☐	☐	☐	☐
4.e Hydrologic Balance: Effluent Limitations	☐	☐	☐	☐
5. Explosives	☐	☐	☐	☐
6. Disposal of Excess Spoil, Fills, Benches	☐	☐	☐	☐
7. Coal Mine Waste, Refuse Piles, Impoundments	☐	☐	☐	☐
8. Noncoal Waste	☐	☐	☐	☐
9. Protection of Fish, Wildlife and Related Environmental Issues	☑	☐	☑	☐
10. Slides and Other Damage	☐	☐	☐	☐
11. Contemporaneous Reclamation	☐	☐	☐	☐
12. Backfilling And Grading	☐	☐	☐	☐
13. Revegetation	☐	☐	☐	☐
14. Subsidence Control	☐	☐	☐	☐
15. Cessation of Operations	☐	☐	☐	☐
16.a Roads: Construction, Maintenance, Surfacing	☐	☐	☐	☐
16.b Roads: Drainage Controls	☑	☐	☑	☐
17. Other Transportation Facilities	☐	☐	☐	☐
18. Support Facilities, Utility Installations	☑	☐	☑	☐
19. AVS check	☐	☐	☐	☐
20. Air Quality Permit	☐	☐	☐	☐
21. Bonding and Insurance	☐	☐	☐	☐
22. Other	☐	☐	☐	☐

1. Permits, Change, Transfer, Renewal, Sale

Division Order 19A , issued January 31, 2019, requires removal of all equipment from and closure of wells on degas well pads 3, 4, 5A, 6, 7, 7A, 11, 12, 13, 14, 15, 16, and 17 no later than August 1, 2019 (0070019/2019/Outgoing/01312019.5856).

9. Protection of Fish, Wildlife and Related Environmental Issues

On August 1, Karin and I spent several hours removing thistle heads from pad 6. The following week (August 7) Scamp will spray pad 6 thistle to control the weed prior to seeding the pad this Fall. (Scamp was contracted to control weeds on all pads this Fall.)

16.b Roads: Drainage Controls

The earthwork contractor (Scamp) met with the landowner to discuss closure of roads. After family discussion, the landowner, Dave Cave, concurred with reclamation of roads as currently described in the MRP. The road to 5A will be roughened and seeded after placement of topsoil on the 5A well site.

18. Support Facilities, Utility Installations

On July 25, 2019, I observed the closure of the well on pad 6. This was the last well to be sealed. The Boart-Longyear crew of 4 had been working 12 hour days since July 15 to close the wells. The foreman explained the closure as follows: First an 8 5/8" rubber plug was placed. Then 15 ft of bentonite chips and water went down the hole. After a period of settling time , 240 - 290 bags of grout and water were put in the hole. After more settling time, a 5 ft layer of bentonite chips was added. After more settling time, 30 ft of portland cement was added. The concrete was cut about four feet below the surface. Topsoil cover will be placed over the rocky subsoil that was excavated and replaced around pad 5A.

On August 1, 2019, I observed that wells 3, 4, 5A, 6, 7, 7A, and 11 were recently plugged, cut off four feet below the surface and buried. All equipment was removed from well pad sites 3, 4, 5A, 6, 7, 7A and 11. The roads to pad 6 and 11 were graded to approximate original contour. The plan states that reclaimed sites will be seeded in the Fall. However, I recommended placing seed immediately while the soil was friable.

Note: Wells 12, 13, & 14 were plugged and their pad sites were reclaimed in 2014. Wells 15, 16 and 17 were never drilled and those pad sites were reclaimed in 2014. The collection pipe system remains underground connecting all wells to the compressor station. Article II and Article VI of the Operating Agreement (Attachment 1-1 of Appendix X) states that the collection system is the responsibility of the gas leasee, now Liberty Pioneer.

Centennial Mine - Photo Attachment – July 25 and August 1, 2019

Sealed degas well 5A

Sealed degas well 11

Sealed well 3

Sealed well 4

Centennial Mine - Photo Attachment – July 25 and August 1, 2019

Sealed well 7

Sealed well 7A

Grouting well 6

Well 6

Centennial Mine - Photo Attachment – July 25 and August 1, 2019

Grout

Bentonite

Cement

Rubber plug, 8 5/8”

Centennial Mine - Photo Attachment – July 25 and August 1, 2019

Rubber plug

Vegetation pad 6

Reclaimed access to pad 6

Reclaimed pad 6