

ECMC Inspection Report Summary

On Tuesday, 10/22/2024, Inspector Kirby Burchett, was on location to conduct a follow up inspection and observation of Plug and Abandon operations at Crowheart Energy LLC on the Kaline SWD 5 well, Location #313162, in Moffat County, Colorado.

This location is within or close proximity to a Parks & Wildlife (CPW) District with High Priority, NSO, Density and Other Consultation Habitat regulations.

Any Corrective Actions from previous Inspections are still applicable.

Follow up inspection in response to compliance issues observed during Insp. #702502223 on 12/19/23. All Corrective Actions have been resolved due to all equipment being removed from location for P&A operations.

Notice of Move-in, Rig-up; Document #403962560 submitted on 10/18/24 with start date of 10/22/24 at 08:00. No rig on location when inspector arrived at 15:30 hrs. Drove to cell phone service and contacted Cathi Boles with Crowheart Energy to learn rig would not be moving in until the afternoon of 10/23/24. Start of Plugging Operations, Document #403962619 submitted on 10/21/24 with a start date of 10/23/24 at 08:00.

10/24/24 at 08:00 hrs. Inspector arrived on location to find rig and equipment on location but no personnel. Drove to cell phone service to contact operator when operator rep, Cathi Boles, called to inform me that operations would not begin until Tuesday, 10/29/24. Start of Plugging Operations, Document #403968587, resubmitted on 10/24/24 with a start date of 10/29/24 at 08:00.

10/29/24. Crew prepping to install BOP, release packer and trip out of hole. Round trip bit and scraper with cement retainer to be run on 10/30/24. Inspector went about conducting field inspections in the area.

10/30/24. Crew unable to release packer day before. Released packer and tripped out tubing. Pick up 5-1/2", 17# cement retainer on wireline. Set at 4574'KB. Trip in hole with stinger.

10/31/24. Sting into retainer at 4574'. Pump 71 sks, 15.8#, Class G cement. Squeeze open perms from 4624' to 4800' with 59 sks. Sting out of retainer leaving 12 sks of cement (~108') on top of retainer. Lay down 5 jts. Reverse circulate. Lay down 1 jt. Pressure test casing to 1014 psi. Lost 27 psi in 30 minutes to 987 psi. Lay down tubing to 4111'. Spot 46 sks, 15.8#, G cement (~405') across previously squeezed perms from 4076' to 4054'. Calculated cement plug, 3706' - 4111'. TOOH. Perforate at 1468'. Establish circulation down production casing up surface casing. Run cement retainer on tubing. Set at 1361'. Couldn't pump through retainer. Sting out and establish circulation up surface casing. Trip out.

11/1/24. Confirm with area engineer for approval of present operations. Trip in with washover shoe. Mill over retainer. Trip in hole with packer. Set multiple times confirming circulation is at or just below wellhead. Last packer setting 16' below wellhead. Run tbg to 1523'. Spot 40 sks, 15.8#, G cement (352') from 1523' to 1171'. Trip above cement. Reverse out. Trip out.

11/2/24. Trip in hole with tbg tagging cmt at 1140'KB. Trip out. Rig up wireline, cut 5-1/2", 17# casing at 800'. Good indication of successful cut. Nipple down BOP and wellhead. Spear casing. Work on pulling casing with no results. No movement at casing hanger. Nipple up wellhead and BOP. TIH and set pkr at 707'. Try to break circulation up 5-1/2" annulus with no circulation. Pressured up to 1400 psi and held. TOOH. TIH open-ended tbg to spot balanced plug. Confirm with area engineer next steps.

11/3/24. Spot 29 sks 15.8# G cement from 848' to ~613', trip above cement, reverse circulate, trip out. Pressure test surface and production casing to 1010 psi. Lost 70 psi in 30 minutes. Punch 4 holes at 250'. Set pkr @ 76'. Break circulation down production and up surface csg. Set CICR at 209'. Pump cement to surface. Sting out. Pump cement to surface. Trip out. Top out cement in production casing. Install tbg tree. Wait 5 days to cut off below ground level.

Location

Overall Good:

Signs/Marker:

| | | | |
|--------------------|---------------|-------|--|
| | Type WELLHEAD | | |
| Comment: | | | |
| Corrective Action: | | Date: | |

Emergency Contact Number:

| | | | |
|--------------------|----------------|-------|--|
| Comment: | (800) 967-2801 | | |
| Corrective Action: | | Date: | |

Overall Good:

Spills:

| Type | Area | Volume | | |
|------|------|--------|--|--|
| | | | | |

In Containment: No

Comment:

Multiple Spills and Releases?

Equipment:

| | | # | | corrective date |
|--------------------------|---------------|-----|-------|-----------------|
| Type: Other | | # 1 | | |
| Comment: | Wellhead tree | | | |
| Corrective Action: | | | Date: | |
| Type: Deadman # & Marked | | # 4 | | |
| Comment: | | | | |
| Corrective Action: | | | Date: | |
| Type: Bradenhead | | # 1 | | |
| Comment: | | | | |
| Corrective Action: | | | Date: | |

Venting:

| | | | |
|--------------------|--|-------|--|
| Yes/No | | | |
| Comment: | | | |
| Corrective Action: | | Date: | |

Flaring:

| | | | |
|--------------------|--|-------|--|
| Type | | | |
| Comment: | | | |
| Corrective Action: | | Date: | |

Inspected Facilities

Facility ID: 265954 Type: WELL API Number: 081-07117 Status: TA Insp. Status: TA

Idle Well

Purpose: Shut In Temporarily Abandoned Reminder: _____

Comment:

Corrective Action:

Date: _____

The subreport 'InspWellFlowline' could not be found at the specified location \\10.14.12

Reclamation - Storm Water - Pit

Storm Water:

| Loc Erosion BMPs | BMP Maintenance | Lease Road Erosion BMPs | Lease BMP Maintenance | Chemical BMPs | Chemical BMP Maintenance | Comment |
|------------------|-----------------|-------------------------|-----------------------|---------------|--------------------------|---------|
| Ditches | | | | | | |
| | | Ditches | | | | |
| Drains | | | | | | |

Comment: Operator is responsible for maintaining Best Management Practices (BMPs) to control vehicle tracking and potential sediment discharges from operational roads, well pads, and other unpaved surfaces.

Corrective Action:

Date: _____

Pits: NO SURFACE INDICATION OF PIT