



October 1, 2021

Ms. Emily Hernandez  
Bureau Chief, Environmental  
New Mexico Oil Conservation Division  
New Mexico Energy, Minerals, and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Subject: Quarter 3 2019 - Quarterly SVE System Update  
San Juan 28-6 Unit #31  
Hilcorp Energy Company  
API #: 30-039-07290  
NMOCD Incident Number: NVF1816655680  
Rio Arriba County, New Mexico**

To Whom it May Concern:

WSP USA Inc. (WSP), on behalf of Hilcorp Energy Company (Hilcorp), presents the following third quarter 2019 summary report discussing the soil vapor extraction (SVE) system at the San Juan 28-6 Unit #31 natural gas production well (Site). This report is being submitted as part of the proposed timeline of remediation events in the *Revised Site Remediation Plan* (dated December 28, 2018) prepared by Animas Environmental Services (AES).

AES completed Site delineation in April and May 2019 by installing an additional five borings (SB-25 to SB-29). With the advancement of these borings, full lateral and vertical delineation of the Site was achieved satisfying one of the New Mexico Oil Conservation Division (NMOCD) Conditions of Approval (COAs), presented by the NMOCD on January 31, 2019. At the completion of delineation, AES installed a soil-vapor extraction (SVE) system at the Site in June 2019. A natural-gas generator was also installed at the Site at this time to power the SVE system, as there is no electric utility located at the Site. The generator and SVE system were installed and startup of the system was attempted in August 2019. At startup, the Ametek Rotron SVE blower was not functioning and it was determined that a new blower was required.

At this time, Hilcorp is awaiting a replacement blower to be reinstalled at the Site. The system has not been started and no samples have been collected to date.

WSP appreciates the opportunity to provide this report to the NMOCD. If you have any questions or comments regarding this work plan, do not hesitate to contact me at (970) 385-1096 or via email at [stuart.hyde@wsp.com](mailto:stuart.hyde@wsp.com) or Lindsay Dosescu at (832) 839-4585 or at [ldumas@hilcorp.com](mailto:ldumas@hilcorp.com).

Kind regards,

Stuart Hyde, L.G.  
Environmental Geologist

Ashley Ager, M.S., P.G.  
Senior Geologist

WSP USA  
848 EAST 2ND AVENUE  
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Ms. Emily Hernandez  
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Santa Fe, New Mexico 87505

**Subject: Quarter 4 2019 - Quarterly SVE System Update  
San Juan 28-6 Unit #31  
Hilcorp Energy Company  
API #: 30-039-07290  
NMOCD Incident Number: NVF1816655680  
Rio Arriba County, New Mexico**

To Whom it May Concern:

WSP USA Inc. (WSP), on behalf of Hilcorp Energy Company (Hilcorp), presents the following fourth quarter 2019 summary report discussing the soil vapor extraction (SVE) system at the San Juan 28-6 Unit #31 natural gas production well (Site). This report is being submitted as part of the proposed timeline of remediation events in the *Revised Site Remediation Plan* (dated December 28, 2018) prepared by Animas Environmental Services (AES).

At this time, Hilcorp is awaiting a replacement blower from Ametek to be reinstalled at the Site. The system has not been started and no samples have been collected to date. Other options are currently being explored in order to get the system operational.

WSP appreciates the opportunity to provide this report to the NMOCD. If you have any questions or comments regarding this work plan, do not hesitate to contact me at (970) 385-1096 or via email at [stuart.hyde@wsp.com](mailto:stuart.hyde@wsp.com) or Lindsay Dosescu at (832) 839-4585 or at [ldumas@hilcorp.com](mailto:ldumas@hilcorp.com).

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Rio Arriba County, New Mexico**

To Whom it May Concern:

WSP USA Inc. (WSP), on behalf of Hilcorp Energy Company (Hilcorp), presents the following first quarter 2020 summary report discussing the soil vapor extraction (SVE) system at the San Juan 28-6 Unit #31 natural gas production well (Site). This report is being submitted as part of the proposed timeline of remediation events in the *Revised Site Remediation Plan* (dated December 28, 2018) prepared by Animas Environmental Services (AES).

At this time, Hilcorp is awaiting a replacement blower from Ametek to be reinstalled at the Site. The system has not been started and no samples have been collected to date. However, Hilcorp has begun earthwork at the Site in preparation of the new blower and system startup.

WSP appreciates the opportunity to provide this report to the NMOCD. If you have any questions or comments regarding this work plan, do not hesitate to contact me at (970) 385-1096 or via email at stuart.hyde@wsp.com or Lindsay Dosescu at (832) 839-4585 or at ldumas@hilcorp.com.

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**Subject: Quarter 2 2020 - Quarterly SVE System Update  
San Juan 28-6 Unit #31  
Hilcorp Energy Company  
API #: 30-039-07290  
NMOCD Incident Number: NVF1816655680  
Rio Arriba County, New Mexico**

To Whom it May Concern:

WSP USA Inc. (WSP), on behalf of Hilcorp Energy Company (Hilcorp), presents the following second quarter 2020 summary report discussing the soil vapor extraction (SVE) system at the San Juan 28-6 Unit #31 natural gas production well (Site). This report is being submitted as part of the proposed timeline of remediation events in the *Revised Site Remediation Plan* (dated December 28, 2018) prepared by Animas Environmental Services (AES).

At this time, Hilcorp is awaiting a replacement blower from Ametek to be reinstalled at the Site. The system has not been started and no samples have been collected to date. However, Hilcorp has begun earthwork at the Site in preparation of the new blower and system startup.

WSP appreciates the opportunity to provide this report to the NMOCD. If you have any questions or comments regarding this work plan, do not hesitate to contact me at (970) 385-1096 or via email at stuart.hyde@wsp.com or Lindsay Dosescu at (832) 839-4585 or at ldumas@hilcorp.com.

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At this time, Hilcorp received the replacement blower from Ametek on August 4, 2020 and reinstalled at the Site on August 6, 2020. However, it was discovered during installation that the replacement blower also did not work. AES has contacted the manufacturer to request a return authorization and have the blower repaired/replaced. The system has not been started and no samples have been collected to date.

WSP appreciates the opportunity to provide this report to the NMOCD. If you have any questions or comments regarding this work plan, do not hesitate to contact me at (970) 385-1096 or via email at stuart.hyde@wsp.com or Lindsay Dosescu at (832) 839-4585 or at ldumas@hilcorp.com.

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To Whom it May Concern:

WSP USA Inc. (WSP), on behalf of Hilcorp Energy Company (Hilcorp), presents the following fourth quarter 2020 summary report discussing the soil vapor extraction (SVE) system at the San Juan 28-6 Unit #31 natural gas production well (Site). This report is being submitted as part of the proposed timeline of remediation events in the *Revised Site Remediation Plan* (dated December 28, 2018) prepared by Animas Environmental Services (AES).

At this time, Hilcorp received the second replacement blower from Ametek on December 14, 2020. However, the blower has not yet been reinstalled at the Site. The system has not been started and no samples have been collected to date.

WSP appreciates the opportunity to provide this report to the NMOCD. If you have any questions or comments regarding this work plan, do not hesitate to contact me at (970) 385-1096 or via email at stuart.hyde@wsp.com or Lindsay Dosescu at (832) 839-4585 or at ldumas@hilcorp.com.

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Hilcorp and WSP installed the repaired SVE blower at the Site on February 3, 2021. WSP worked with a Hilcorp electrician to startup the generator and SVE system at the Site. At this time, it was noted that the SVE system had not been wired intrinsically safe by the manufacturer per Class I, Division 2 requirements. The Hilcorp construction foreman locked-out-tagged-out the electrical system until the system could be repaired to meet necessary safety requirements. The system has not been started and no samples have been collected to date.

WSP appreciates the opportunity to provide this report to the NMOCD. If you have any questions or comments regarding this work plan, do not hesitate to contact me at (970) 385-1096 or via email at stuart.hyde@wsp.com or Lindsay Dosescu at (832) 839-4585 or at ldumas@hilcorp.com.

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Hilcorp completed the electrical repairs in June 2021. WSP and Hilcorp attempted to start the generator and SVE system. The generator appeared to function and provide the required voltage and amperage for the operation of the SVE system. The SVE system was started and noted that sufficient vacuum and airflow were being produced by the blower. However, after approximately 1 hour of operation, WSP noticed that the newly repaired blower was not functioning correctly and was making a grinding noise in the fan blades. At that time, the system was shut down and the manufacturer was once again contacted to assess whether further repairs were required. The manufacturer indicated that the blower would have to be shipped back to the factory for assessment and necessary repairs. Because of the continued issues, Hilcorp purchased a new regenerative blower and is currently awaiting its arrival to be installed at the Site. The system has not been started and no samples have been collected to date.

WSP appreciates the opportunity to provide this report to the NMOCD. If you have any questions or comments regarding this work plan, do not hesitate to contact me at (970) 385-1096 or via email at [stuart.hyde@wsp.com](mailto:stuart.hyde@wsp.com) or Lindsay Dosescu at (832) 839-4585 or at [ldumas@hilcorp.com](mailto:ldumas@hilcorp.com).

Kind regards,

A handwritten signature in black ink, appearing to read 'Stuart Hyde'.

Stuart Hyde, L.G.  
Environmental Geologist

A handwritten signature in black ink, appearing to read 'Ashley L. Ager'.

Ashley Ager, M.S., P.G.  
Senior Geologist

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
 Action 54490

**CONDITIONS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 54490
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

**CONDITIONS**

Created By	Condition	Condition Date
nvelez	Accepted for the record that includes 3Q & 4Q 2019, 1Q thru 4Q 2020, 1Q & 2Q 2021. See App ID 125935 for most updated status.	9/22/2022