

Additional Information

Extension Request 3/18/21

March 17, 2021

New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Subject: Vista Disposal Solutions, LLC – Katherine Federal SWD #1 (Order No. R-21307)
Injection Permit Extension Request

To Whom It May Concern,

On behalf of Vista Disposal Solutions, LLC (Vista), ALL Consulting, LLC (ALL) is requesting an extension of the Injection Permit for the Katherine Federal SWD #1, a proposed saltwater disposal well, in Lea County, NM. Per Order No. R-21307 (attached), the current disposal authority for the Katherine Federal SWD #1 is due to expire on May 7th, 2021. Vista plans to drill the well by May 2022, but based on the ongoing Covid-19 pandemic, and various other industry considerations, it is difficult to provide an exact date of when this well will be spudded.

According to a review of the most recent NMOCD GIS well data records, there are no new Affected Parties within the 1-mile Area of Review (AOR) of the Katherine Federal SWD #1. There are additional drilled and proposed wells within the 1-mile AOR that were not present at the time of the original application; however, none of these additional wells penetrate the top of the proposed injection interval (17,720' below ground surface). The updated AOR Table and Map are attached.

Additionally, attached is a map of pending and existing Deep SWDs to demonstrate that there are still no Deep SWDs within 1.5 miles of the Katherine Federal SWD #1.

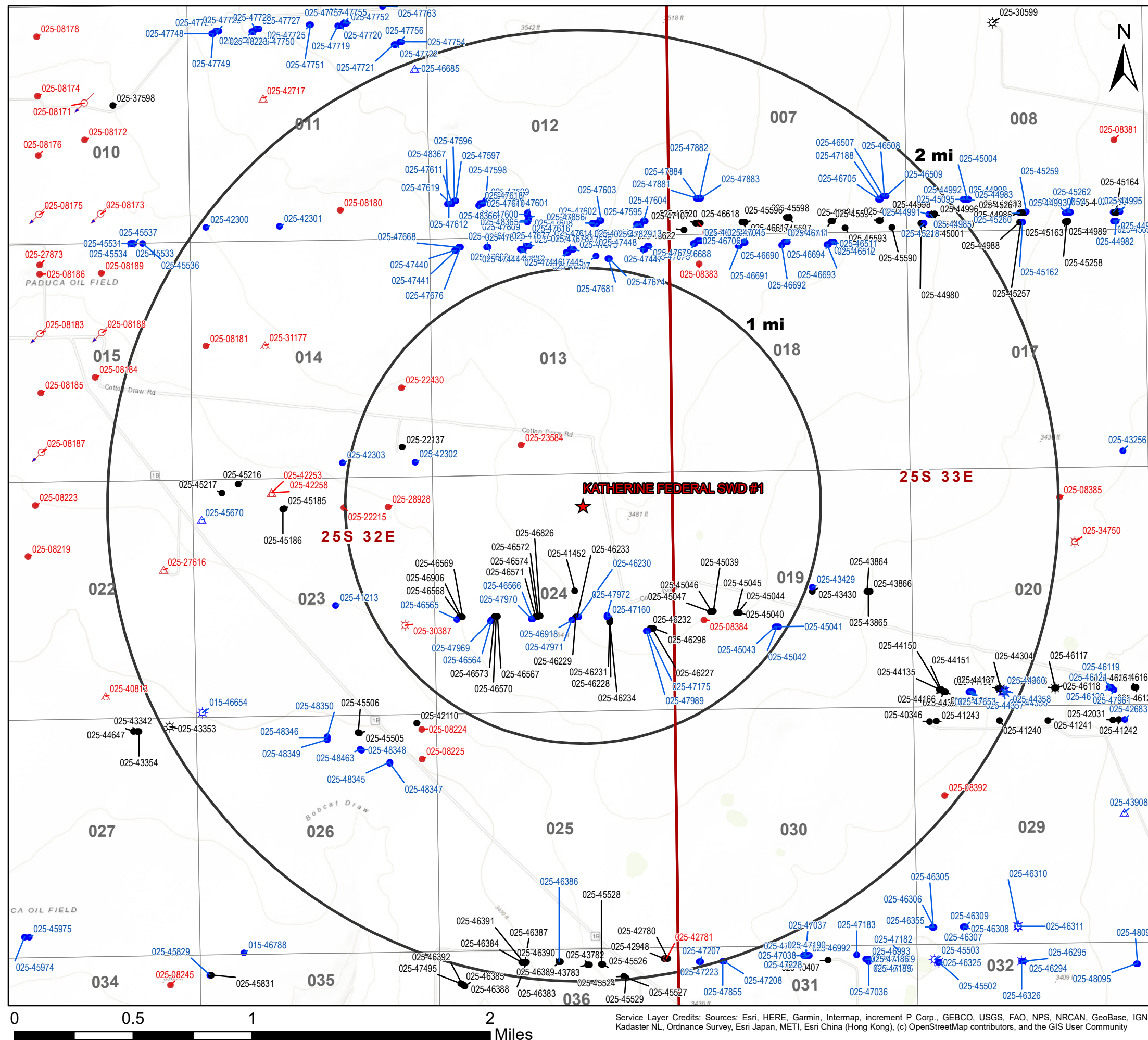
If you have any questions, or if I may clarify any specific points, please feel free to call me at (918) 382-7581 or e-mail me at nalleman@all-llc.com.

Sincerely,
ALL Consulting



Nate Alleman
Sr. Regulatory Specialist

Attachment



Legend

- ★ Proposed SWD
- ☀ Gas, Active
- ☀ Gas, New
- ☀ Gas, Plugged
- 🔍 Injection, Plugged
- Oil, Active
- Oil, New
- Oil, Plugged
- △ Salt Water Injection, New
- △ Salt Water Injection, Plugged

Source Info: NMOCD O&G Wells updated 3/8/2021
(<http://www.emnrd.state.nm.us/OCD/ocdgis.html>)

O&G Wells Area of Review

KATHERINE FEDERAL SWD #1
Lea County, New Mexico

Proj Mgr:
Dan Arthur

March 17, 2021

Mapped by:
Ben Bockelmann

Prepared for:

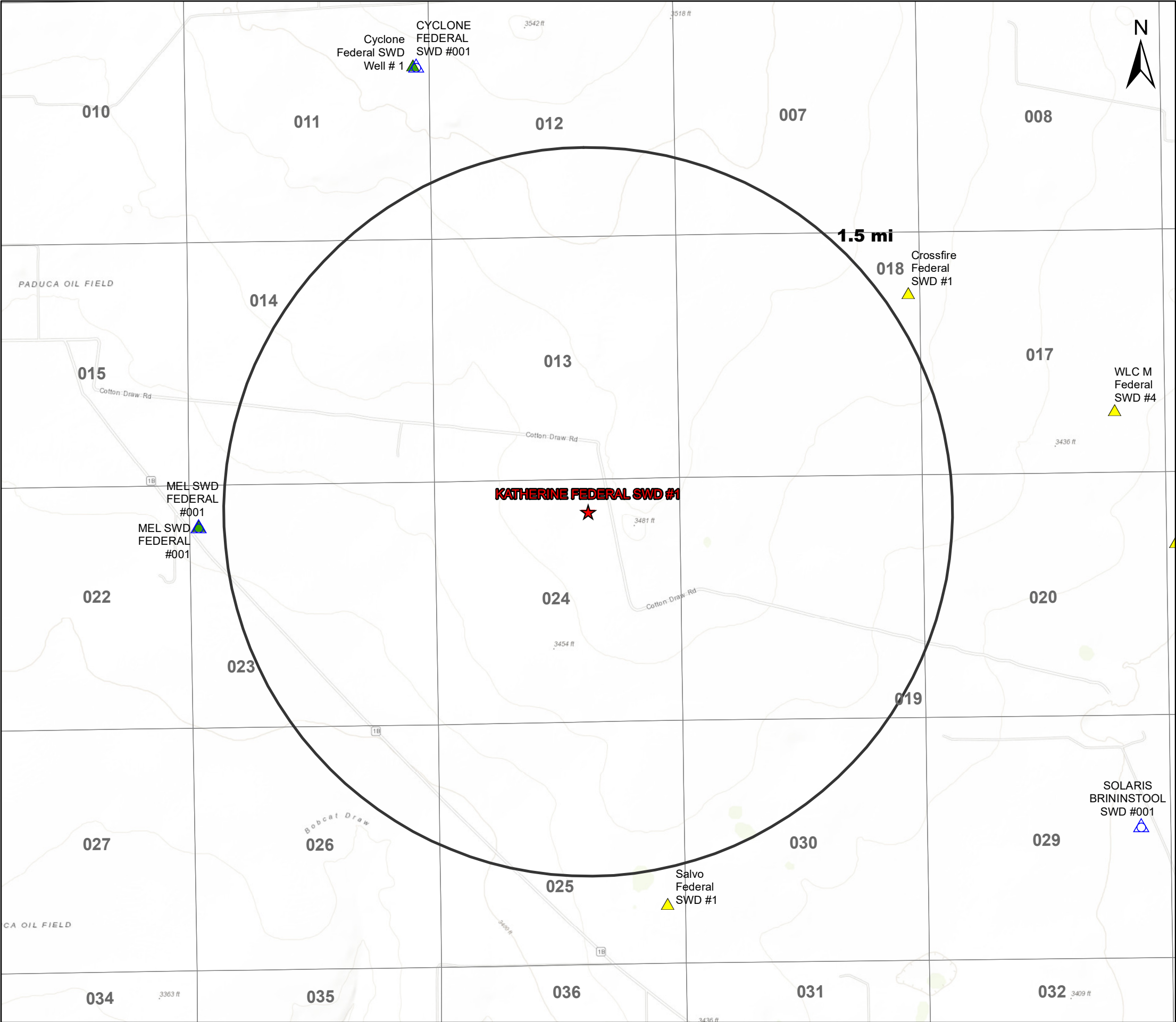
 **VISTA**
DISPOSAL SOLUTIONS, LLC

Prepared by:

ALLCONSULTING



Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

AOR Tabulation for Katherine Federal SWD #1 (Top of Injection Interval: 17,720')							
Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth	Penetrate Inj. Zone?
VALIANT 24 FEDERAL COM #504H	30-025-46918	Oil	EOG RESOURCES INC	Not Drilled	J-24-25S-32E	Proposed (10869)	No
VALIANT 24 FEDERAL COM #741H	30-025-46906	Gas	EOG RESOURCES INC	2/28/2020	L-24-25S-32E	12712	No
PADUCA AIG FED. #001	30-025-30387	Plugged	DEVON ENERGY PRODUCTION COMPANY, LP	5/26/1988	I-23-25S-32E	16131	No
PRE-ONGARD WELL #002	30-025-22430	Plugged	PRE-ONGARD WELL OPERATOR (Joseph I O'Neill, Jr.)	2/13/1968	I-14-25S-32E	4896	No
FUGGLES 14 FEDERAL COM #001H	30-025-42302	Oil	CIMAREX ENERGY CO.	Not Drilled	P-14-25S-32E	Proposed (9457)	No
PADUCA UNIT #002	30-025-28928	Plugged	EOG Y RESOURCES, INC.	11/19/1984	A-23-25S-32E	Plugged (5000)	No
FEDERAL O #001	30-025-22137	Oil	JKM ENERGY, LLC	5/24/1967	P-14-25S-32E	4904	No
PRE-ONGARD WELL #001	30-025-23584	Plugged	PRE-ONGARD WELL OPERATOR (Patoil Corporation)	9/9/1970	N-13-25S-32E	Plugged (4957)	No
RESOLUTE BTO FEDERAL COM #002H	30-025-41452	Oil	EOG RESOURCES INC	10/18/2015	G-24-25S-32E	9209	No
PRE-ONGARD WELL #001	30-025-08384	Plugged	PRE-ONGARD WELL OPERATOR (Robert B. Holt & Texas Crude Oil Co.)	3/13/1961	L-19-25S-33E	Plugged (5023)	No
AUDACIOUS 19 FEDERAL #709H	30-025-45045	Oil	EOG RESOURCES INC	9/6/2018	K-19-25S-33E	12311	No
AUDACIOUS 19 FEDERAL #710H	30-025-45046	Oil	EOG RESOURCES INC	8/27/2018	L-19-25S-33E	12333	No
AUDACIOUS 19 FEDERAL #708H	30-025-45044	Oil	EOG RESOURCES INC	9/1/2018	K-19-25S-33E	12327	No
AUDACIOUS 19 FEDERAL #721H	30-025-45039	Oil	EOG RESOURCES INC	8/26/2018	L-19-25S-33E	12654	No
AUDACIOUS 19 FEDERAL #722H	30-025-45040	Oil	EOG RESOURCES INC	9/7/2018	K-19-25S-33E	12640	No
AUDACIOUS 19 FEDERAL #706H	30-025-45042	Oil	EOG RESOURCES INC	Not Drilled	K-19-25S-33E	Proposed (12317)	No
AUDACIOUS 19 FEDERAL #707H	30-025-45043	Oil	EOG RESOURCES INC	Not Drilled	K-19-25S-33E	Proposed (12312)	No
AUDACIOUS 19 FEDERAL #603H	30-025-45041	Oil	EOG RESOURCES INC	Not Drilled	K-19-25S-33E	Proposed (12145)	No
VALIANT 24 FEDERAL COM #709H	30-025-46232	Oil	EOG RESOURCES INC	8/29/2019	I-24-25S-32E	12308	No
VALIANT 24 FEDERAL COM #728H	30-025-46231	Oil	EOG RESOURCES INC	8/31/2019	J-24-25S-32E	12553	No
VALIANT 24 FEDERAL COM #744H	30-025-46234	Oil	EOG RESOURCES INC	8/26/2019	J-24-25S-32E	12811	No
VALIANT 24 FEDERAL COM #704H	30-025-46571	Oil	EOG RESOURCES INC	2/8/2020	K-24-25S-32E	12286	No
VALIANT 24 FEDERAL COM #710H	30-025-46296	Oil	EOG RESOURCES INC	9/4/2019	I-24-25S-32E	12313	No
VALIANT 24 FEDERAL COM #714H	30-025-46228	Oil	EOG RESOURCES INC	8/31/2019	J-24-25S-32E	12302	No
VALIANT 24 FEDERAL COM #706H	30-025-46229	Oil	EOG RESOURCES INC	9/4/2019	J-24-25S-32E	12311	No
VALIANT 24 FEDERAL COM #725H	30-025-46227	Oil	EOG RESOURCES INC	9/1/2019	I-24-25S-32E	12567	No
VALIANT 24 FEDERAL COM #723H	30-025-46233	Oil	EOG RESOURCES INC	9/4/2019	J-24-25S-32E	12555	No
VALIANT 24 FEDERAL COM #701H	30-025-46568	Oil	EOG RESOURCES INC	2/28/2020	L-24-25S-32E	12199	No
VALIANT 24 FEDERAL COM #742H	30-025-46567	Oil	EOG RESOURCES INC	2/16/2020	K-24-25S-32E	12748	No
VALIANT 24 FEDERAL COM #707H	30-025-46230	Oil	EOG RESOURCES INC	Not Drilled	J-24-25S-32E	Proposed (12273)	No
AUDACIOUS 19 FEDERAL #711H	30-025-45047	Oil	EOG RESOURCES INC	8/28/2018	L-19-25S-33E	12296	No
VALIANT 24 FEDERAL COM #713H	30-025-46570	Oil	EOG RESOURCES INC	2/16/2020	K-24-25S-32E	12535	No
VALIANT 24 FEDERAL COM #502H	30-025-46564	Oil	EOG RESOURCES INC	Not Drilled	L-24-25S-32E	Proposed (10815)	No
VALIANT 24 FEDERAL COM #711H	30-025-46573	Oil	EOG RESOURCES INC	2/16/2020	K-24-25S-32E	12261	No
VALIANT 24 FEDERAL COM #501H	30-025-46565	Oil	EOG RESOURCES INC	Not Drilled	L-24-25S-32E	Proposed (10784)	No
VALIANT 24 FEDERAL COM #743H	30-025-46826	Oil	EOG RESOURCES INC	2/8/2020	K-24-25S-32E	12752	No
VALIANT 24 FEDERAL COM #705H	30-025-46572	Oil	EOG RESOURCES INC	2/8/2020	K-24-25S-32E	12253	No
VALIANT 24 FEDERAL COM #503H	30-025-46566	Oil	EOG RESOURCES INC	Not Drilled	K-24-25S-32E	Proposed (10845)	No
VALIANT 24 FEDERAL COM #712H	30-025-46569	Oil	EOG RESOURCES INC	2/28/2020	L-24-25S-32E	12194	No
VALIANT 24 FEDERAL COM #722H	30-025-46574	Oil	EOG RESOURCES INC	2/8/2020	K-24-25S-32E	12511	No
VALIANT 24 FEDERAL COM #505H	30-025-47160	Oil	EOG RESOURCES INC	Not Drilled	J-24-25S-32E	Proposed (10888)	No
VALIANT 24 FEDERAL COM #506H	30-025-47175	Oil	EOG RESOURCES INC	Not Drilled	I-24-25S-32E	Proposed (10905)	No
VALIANT 24 FEDERAL COM #507H	30-025-47969	Oil	EOG RESOURCES INC	Not Drilled	L-24-25S-32E	Proposed (10940)	No
VALIANT 24 FEDERAL COM #508H	30-025-47970	Oil	EOG RESOURCES INC	Not Drilled	K-24-25S-32E	Proposed (10940)	No
VALIANT 24 FEDERAL COM #509H	30-025-47971	Oil	EOG RESOURCES INC	Not Drilled	J-24-25S-32E	Proposed (11015)	No
VALIANT 24 FEDERAL COM #510H	30-025-47972	Oil	EOG RESOURCES INC	Not Drilled	J-24-25S-32E	Proposed (11015)	No
VALIANT 24 FEDERAL COM #511H	30-025-47989	Oil	EOG RESOURCES INC	Not Drilled	I-24-25S-32E	Proposed (11015)	No



- Legend**
- ★ Proposed SWD
 - △ Deep Salt Water Injection, New
 - ▲ Approved Deep SWDs
 - ▲ Pending Deep SWDs

Source Info: NMOCD O&G Wells updated 3/8/2021
(<http://www.emnrd.state.nm.us/OCD/ocdgis.html>)
Pending & Approved Deep SWDs updated on 2/2/2021
from data provided by NMOCD

Deep SWD Area of Review		
KATHERINE FEDERAL SWD #1 Lea County, New Mexico		
Proj Mgr: Dan Arthur	March 17, 2021	Mapped by: Ben Bockelmann
Prepared for: 		Prepared by: 

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING CALLED BY
THE OIL CONSERVATION DIVISION FOR THE
PURPOSE OF CONSIDERING:**

**CASE NO. 20805
ORDER NO. R-21307**

**APPLICATION OF VISTA DISPOSAL SOLUTIONS LLC FOR APPROVAL OF A
SALTWATER DISPOSAL WELL, LEA COUNTY, NEW MEXICO.**

ORDER OF THE DIVISION

BY THE DIVISION:

This case came on for hearing at 8:15 a.m. on October 31, 2019, at Santa Fe, New Mexico, before Examiners Phillip Goetze and Dylan Rose-Coss.

NOW, on this 7th day of May 2020, the Division Director, having considered the testimony, the record and the recommendations of the Examiners,

FINDS THAT:

(1) Due public notice has been given, and the Oil Conservation Division (“OCD”) has jurisdiction of this case and of the subject matter.

(2) In Case No. 20805, Vista Disposal Solutions, LLC (the “Applicant” or “Vista”) seeks an order granting authority to utilize its **Katherine Federal SWD Well No. 1** (API No. 30-025-Pending; the “Subject Well”) with a surface location 707 feet from the north line and 1992 feet from the east line (Unit B) in Section 24, Township 25 South, Range 32 East, NMPM, Lea County, as an Underground Injection Control (UIC) Class II well for commercial disposal of produced water into the Devonian and Silurian formations through an open-hole interval from approximately 17,720 feet to approximately 19,000 feet below surface.

(3) Vista originally filed the Katherine Federal SWD No. 1 C-108 administrative application on August 13, 2019.

(4) The C-108 administrative application was protested by NGL Water Solutions on August 14, 2019.

(5) Vista filed multiple applications (Cases 20801, 20803, 20804 and 20805) for hearing on October 3, 2019, for the approval of authority to inject into four disposal wells, including the Subject Well. Vista also appeared at hearing on October 31, 2019 to clarify the well bore diagram and fault slip potential analysis modeling.

(6) Applicant appeared at the hearing through counsel and presented geologic and engineering evidence to the effect that:

- (a) The Applicant seeks to drill the Subject Well to an approximate total depth of 19,000 feet below ground surface. The injection will occur through an open borehole (6.5-inch diameter) from approximately 17,720 feet to approximately 19,000 feet below surface.
- (b) The Subject Well will be constructed with the following four casing strings and liner system: 20-inch surface casing set at 865 feet; 13³/₈-inch intermediate casing set at 4,910 feet; 9⁵/₈-inch intermediate casing set at 14,500 feet; and a 7⁵/₈-inch liner (with a weight of 39 pounds per foot) set from 14,300 feet to a total depth of 17,770 feet. (Exhibit 1-A submitted October 31, 2019)
- (c) All casings will have cement circulated to the surface while the liner will have cement circulated to the top of the liner.
- (d) The Subject Well will inject fluids through a fiberglass lined, 4¹/₂-inch outside diameter (OD) tubing within the liner with a packer set no shallower than 100 feet above the top of the open-hole interval.
- (e) The primary sources of produced water will be wells with production from the Bone Spring and the Wolfcamp formations.
- (f) The analyses of produced water samples provided by Vista showed the compatibility of the injection fluids with formation fluids in the proposed disposal interval.
- (g) The Applicant proposes a closed operation with an average injection rate of 15,000 barrels of water per day (BWPD) and a maximum injection rate of 30,000 BWPD using a maximum surface injection pressure of 3,544 pounds per square inch (psi).
- (h) There are no production or disposal wells that penetrate the Devonian formation within the one-mile Area of Review (AOR) of the surface location and the bottom-hole location for the Subject Well.

- (i) The Applicant states that approximately 200 to 400 feet of Woodford Shale provides an upper confining layer for the proposed disposal interval while there is approximately 350 feet of Ordovician formations (excluding the Ellenburger formation) to provide a lower confining layer.
- (j) Based on the records of the New Mexico Office of the State Engineer, there are no freshwater wells within one mile of the surface location of the Subject Well. Therefore, no fresh water sample analysis was provided.
- (k) Based on the application of a risk assessment model (the *Fault Slip Potential* software tool; Stanford Center for Induced and Trigger Seismicity; 2017) with publicly-available data, there was an extremely low probability of any induced-seismic event occurring during the operational lifespan of injection activity for the Subject Well.
- (l) Vista provided evidence of notification of this application to all “*affected persons*” within a one-mile radius of the surface location of the Subject Well and with publication in a newspaper of general circulation in the county.

(7) NGL Water Solutions Permian, LLC appeared through counsel at hearing for this case. No other party appeared at the hearing, or otherwise opposed the granting of this application.

The OCD concludes as follows:

(8) The application has been duly filed under the provisions of Rule 19.15.26.8 NMAC.

(9) Applicant has presented satisfactory evidence that all requirements prescribed in Rule 19.15.26.8 NMAC have been met.

(10) The proposed well construction provided in the application was protective of the underground sources of drinking water (“USDW”) at the location of the Subject Well.

(11) There are no wells that penetrate the proposed injection interval within the one-mile AOR for the Subject Well.

(12) OCD records indicate Vista Disposal Solutions, LLC (OGRID 329051) as of the date of this order is in compliance with Rule 19.15.5.9 NMAC.

(13) The OCD is responsible for the orderly development and production of hydrocarbon resources including the authority to regulate the disposition of produced water as

described in NMSA 1978, Section 70-2-12(B)(15). It is obligated to prevent waste, to protect correlative rights, and to protect human health and the environment.

(14) The OCD supports the use of Devonian and Silurian formations as suitable disposal intervals to lessen the potential impact upon production of hydrocarbon resources and associated correlative rights that occur in shallower Permian formations. The OCD recognizes the necessity to increase the efficiency of these deeper disposal wells with their increased cost associated with the deeper disposal interval.

(15) OCD records identified no pending C-108 application for the same injection interval within a 1.5-mile radius of the surface location of the Subject Well. Additionally, there are no approved UIC permits for other disposal wells with the same proposed injection interval with a surface location within a 1.5 mi radius of the surface location of the subject well.

(16) Under Order No. R-14392 (Case No. 15654), the OCD determined that the increase in tubing size and the corresponding increase in injection rates necessitated additional information not previously incorporated into an administrative application for disposal wells with injection capacities greater than 20,000 BWPD. This included, but was not limited to, the following specific subjects:

- (a) the potential cumulative impacts to a common injection interval utilized by multiple disposal wells in close proximity;
- (b) the consideration that the area of review for penetrating wells based on a one-mile radius from the disposal well's surface location was adequate;
- (c) the consideration that the notification of affected persons based on a one-half mile radius from the disposal well's surface location was protective of correlative rights; and
- (d) addressing the induced-seismicity issue, especially with regards to the potential impacts of increased injection volumes into reservoirs with faulting and the determination of a lower confining layer to ensure injection fluids do not migrate out the permitted disposal interval.

(17) The Applicant offered evidence and testimony to sufficiently respond to the items of concerns brought forth by the OCD in the findings of Order No. R-14392 as listed previously and later addressed in Commission Order No. R-14392-A (*de novo*).

(18) To avoid the drilling of additional disposal wells, protect correlative rights, and prevent waste while affording the Applicant the opportunity to fully utilize the disposal potential of the Subject Well in a manner that safeguards the public health and the environment, this application should be approved.

IT IS THEREFORE ORDERED THAT:

(1) Vista Disposal Solutions, LLC (the “Operator”) is hereby authorized to utilize its Katherine Federal SWD No. 1 (API No. 30-025-Pending; the “Subject Well”) with a surface location 707 feet from the north line and 1992 feet from the east line (Unit B) in Section 24, Township 25 South, Range 32 East, NMPM, Lea County, New Mexico as a disposal well for UIC Class II fluids.

(2) Disposal shall be through open hole in the Devonian and Silurian formations (below the lower contact of the Woodford Shale) from approximately 17,700 feet to approximately 19,000 feet below surface (the “permitted disposal interval”). Injection is to be through a plastic-lined tubing and a packer placed within 100 feet above the top of the permitted disposal interval.

(3) The Operator shall take all steps necessary to ensure that the disposed water enters only the permitted disposal interval and is not allowed to escape to other formations or onto the surface. This order does not authorize disposal into formations below the Silurian formations including the Montoya formation and the Ellenburger formation (lower Ordovician) or lost circulation intervals directly on top and obviously connected to these formations.

(4) The Operator shall complete a mudlog over the permitted disposal interval sufficient to demonstrate the hydrocarbon potential. The Operator shall notify the OCD’s District office and the Santa Fe engineering bureau office of significant hydrocarbon shows that are observed during drilling of the permitted disposal interval. Prior to commencing disposal, the Operator shall submit the mudlog and geophysical logs information to the OCD’s District geologist and Santa Fe engineering bureau office, showing evidence agreeable that only the permitted formation is open for disposal including a summary of depths (picks) for contacts of the formations which the OCD shall use to amend this order for a final description of the depth for the injection interval and any corresponding change in the wellhead injection pressure.

(5) The Operator shall conduct and document the casing testing requirements for the Subject Well in accordance with Rule 19.15.16 NMAC.

(6) If cement does not circulate to surface on any casing string, the operator shall run a cement bond log (“CBL”) or other log to determine top of cement and shall notify the District with the top of cement on the emergency phone number prior to continuing with any further cement activity with the proposed well. *If cement did not tie back into the next higher casing shoe, the operator shall perform remedial cement job to bring cement, at a minimum, 200 feet above the next higher casing shoe.*

(7) The Operator shall run CBL for the following portions of the well:

- (a) The 9⁵/₈-inch production casing from the shoe to at least 200 feet above the shoe of the 13³/₈-inch intermediate casing; and

- (b) The 7 $\frac{7}{8}$ -inch liner from at least 500 feet above the liner to the bottom of the liner to demonstrate placement cement across the length of the liner and the cement bond with the tie-in with the 9 $\frac{5}{8}$ -inch casing.

If the cement of the casings is successful and does require any remedial action as described in Copies of the CBL(s) shall be provided to the OCD's District office prior to the commencement of injection.

(8) Prior to commencing disposal, the Operator shall obtain a **bottom-hole pressure measurement** representative of the injection interval and submit this data with the information required in Ordering Paragraph (16).

(9) After installation of tubing, the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge or an approved leak detection device in order to determine leakage in the casing, tubing, or packer. The casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

(10) The wellhead injection pressure shall be limited to **no more than 3544 psi (calculated using the gradient of 0.2 psi per foot to the top of open hole)**. In addition, the Subject Well shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressure to the maximum allowable pressure for this well.

(11) The Director may authorize an increase in tubing pressure upon a proper showing by the Operator of said well that such higher pressure will not result in migration of the disposed fluid from the approved injection interval. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate Test.

(12) Further, the Subject Well shall be limited to a maximum injection rate of **no more than 30,000 barrels of water per day**.

(13) The Director of the OCD may authorize an increase in the injection rate upon a proper showing by the Operator of said well that such increase in injection rate will not result in migration of the disposed fluid from the approved injection interval. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an amended assessment of induced-seismicity risks and calculation of a radius of influence representative of the proposed injection rate.

(14) The Subject Well shall pass an initial mechanical integrity test ("MIT") prior to commencing disposal and prior to resuming disposal each time the well has significant equipment changes including, but not limited to, the packer being unseated, tubing being pulled, or when casing repairs have occurred. The Operator shall notify the OCD's District office a minimum of 48 hours in advance of the proposed date and time of the modification of disposal equipment and of any MIT test so that the same may be inspected and witnessed. All MIT procedures and schedules shall follow the requirements in Rule 19.15.26.11(A) NMAC.

(15) The Operator shall provide copies of Notice of Intents and Subsequent Reports (either Form C-103 or a copy of the federal Form 3160-5) with the OCD's District office for any testing of the well or for any activities that shall modify the well construction or operation.

(16) The Operator shall provide written notice of the date of commencement of disposal to the OCD's District office. The Operator shall submit monthly reports of the disposal operations on OCD Form C-115, in accordance with Rules 19.15.26.13 NMAC and 19.15.7.24 NMAC.

(17) If the Subject Well fails a MIT or if there is evidence that the mechanical integrity of said well is impacting correlative rights, the public health, any USDWs, or the environment, the Division Director shall require the Subject Well to be shut-in within 24 hours of discovery and the Operator shall redirect all disposal waters to another facility. The Operator shall take the necessary actions to address the impacts resulting from the mechanical integrity issues in accordance with Rule 19.15.26.10 NMAC, and the Subject Well shall be tested pursuant to Rule 19.15.26.11 NMAC prior to returning to injection.

(18) Without limitation on the duties of the Operator as provided in Rules 19.15.29 NMAC and 19.15.30 NMAC, or otherwise, the Operator shall immediately notify the OCD's District office of any failure of the tubing, casing or packer in the Subject Well, or of any leakage or release of water, oil or gas from around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

(19) The OCD further stipulates the following "best management practices" shall be included as conditions of the approved application:

- (a) The Subject Well shall be included in a Supervisory Control and Data Acquisition (SCADA) system for operation as an injection well.
- (b) The Operator shall first contact the OCD's District supervisor for approval of proposed remedial actions prior to initiating any recovery attempts should a failure of tubing occur with a loss of a tubing section within the Subject Well.

(20) The injection authority granted under this order is not transferable except upon OCD approval. The OCD may require the Operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.

(21) The OCD may revoke this injection permit after notice and hearing if the Operator is in violation of Rule 19.15.5.9 NMAC.

(22) The disposal authority granted herein shall terminate one year after the effective date of this order if the Operator has not commenced injection operations into the proposed well,

provided however, the OCD, upon written request, mailed by the Operator prior to the termination date, may grant an extension thereof for good cause.

(23) One year after disposal into the Subject Well has ceased, said well will be considered abandoned and the authority to dispose will terminate *ipso facto*.

(24) Compliance with this order does not relieve the Operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety, and the environment.

(25) Jurisdiction is retained by the OCD for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the Operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order, whereupon the OCD may, after notice and hearing, or prior to notice and hearing in event of an emergency, terminate the disposal authority granted herein.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

A handwritten signature in black ink, appearing to read 'AS', is positioned above the printed name of the Director.

ADRIENNE SANDOVAL
Director

AS/KAM