

OVERFLOW ENERGY LLC
P.O. BOX 354
BOOKER, TX 79005

March 14, 2021

NMOCD
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

RE: C-147 RECYCLING FACILITY ONLY PERMIT APPLICATION FOR RITA RECLAMATION FACILITY, EDDY COUNTY, NEW MEXICO

To Ms. Susan A. Lucas Kamat

Atkins Engineering Associates, Inc. (AEA) is pleased to provide this summary letter of the C-147 permit application compiled on behalf of Overflow, LLC OGRID # 292641

Location Setbacks

- 1) Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **No, the location is in rural Eddy county the nearest municipality is Carlsbad, NM 3.5 miles to the Northwest see (Figure 1)**
- 2) Within the area overlying a subsurface mine. **No, the location is not above a subsurface mine according to meta-data provided by EMNRD Registered Mines Map the nearest underground mine is Nash Draw Mine 15.2 miles East (see Active Mines attachment)**
- 3) Within an unstable area. **No, BLM meta-data Karst Potential is low (see figure 2)**
- 4) Within a 100-year floodplain. **No, see FEMA map Figure 1**
- 5) Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). **No, see figure 1 sourced from BLM and USGS meta-data**
- 6) Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. **No, see figure 2**
- 7) Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. **No, the only well with in 500ft is C04043/C04027 commercial usage for oil and gas operations source NMOSE iwaters.**
- 8) Within 500 feet of a wetland. **No, registered wetlands within 500ft source USACE and BLM meta-data**
- 9) Depth to groundwater. **see NMOSE Log with static water level of nearby well**

Recycling Facility Design

The proposed design is a series of aboveground 500bbl tanks within a HDEP lined secondary containment with 150% of the facility volume. Total volume proposed is (10 tanks) X (500bbl) =5000bbl) (see site Layout attached)

C-147
Summary Letter

Attachments

Figure 1: Hydrology Setbacks

Figure 2: Karst and PODs

Figure 3: Site Layout, Parcel Data, Owner info

Attachment 1: Well Logs

Appendix A: Geo Photo log

C-147
Summary Letter

FIGURES

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-147
Revised April 3, 2017

Recycling Facility Only

Type of action: Permit Registration Modification Closure Other (explain) _____

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Overflow Energy LLC (For multiple operators attach page with information) OGRID #: 292641
Address: P.O. Box 354 Booker, TX 79005 Facility or well name (include API# if associated with a well): _____
Rita Reclamation Facility
OCD Permit Number: _____ (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr E Section 27 Township 22S Range 27E County: Eddy
Surface Owner: Federal State Private Tribal Trust or Indian Allotment

2.
 Recycling Facility:
Location of recycling facility (if applicable): Latitude 32.3656795 Longitude -104.1833337 NAD83
Proposed Use: Drilling* Completion* Production* Plugging *
**The re-use of produced water may NOT be used until fresh water zones are cased and cemented*
 Other, requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.
 Fluid Storage
 Above ground tanks Activity permitted under 19.15.17 NMAC explain type _____
 Activity permitted under 19.15.36 NMAC explain type: _____ Other explain _____
 Closure Report (required within 60 days of closure completion): Recycling Facility Closure Completion Date: _____

3.
Variances:
Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.
Check the below box only if a variance is requested:
 Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.
If a Variance is requested, it must be approved prior to implementation.

4.
Operator Application Certification:
I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.
Name (Print): LORI HEARON Title: VICE PRESIDENT
Signature: [Signature] Date: 3-19-21
e-mail address: lhearon@ocswd.com Telephone: 800-458-7832

5.
OCD Representative Signature: _____ Approval/Registration Date: _____
Title: _____ OCD Permit Number: _____
 OCD Conditions _____
 Additional OCD Conditions on Attachment _____

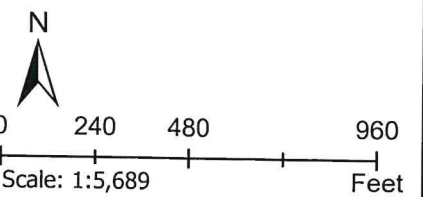


**FIGURE 1-
Hydrology Setbacks
Rita Recycling Facility**



LEGEND

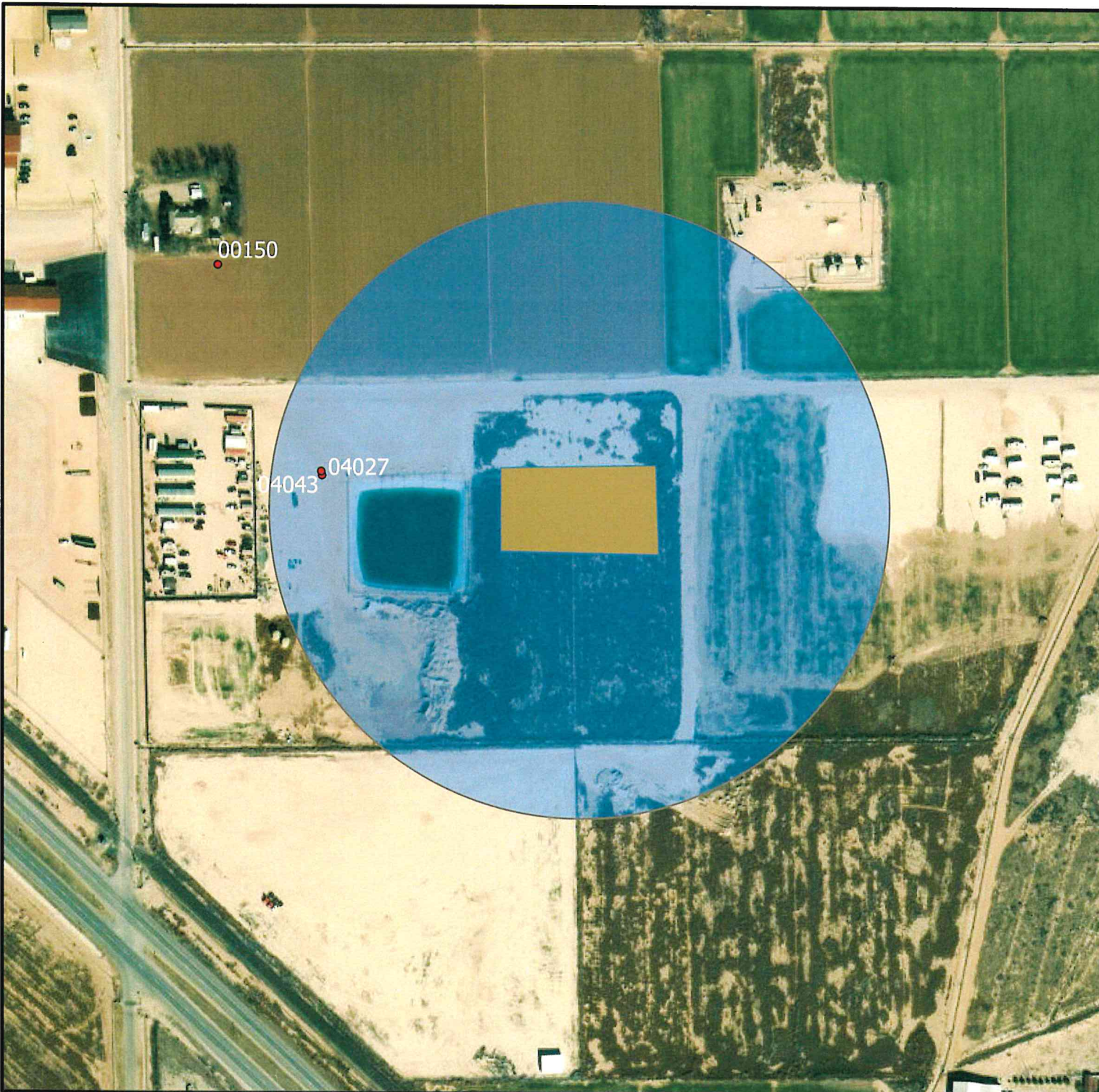
- Lakes_Plays
- Springs_Seeps
- Streams_Canals
- Flowlines_SENM
- FEMA_Flood_Zones_2011
- TankFarm
- TankFarm_500Buffer



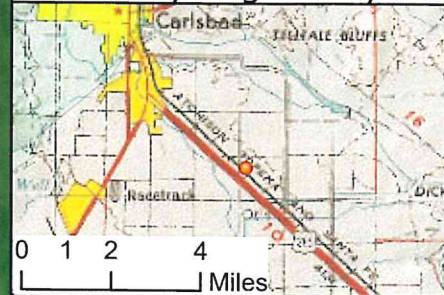
32.3656795,-104.1833337

JOB No. ritarose_env_20
 DATE FIELD: 2/07/2020 DRAWN LCM
 DATE DRAWN: 3/4/2021 REVIEW JAW





**FIGURE 2-
Karst and NMOSE PODs
Rita Recycling Facility**

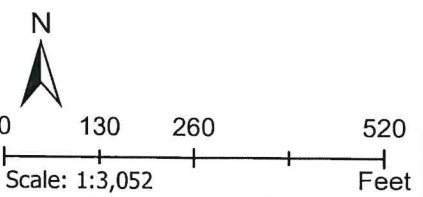


LEGEND

- TankFarm
- TankFarm_500Buffer
- OSE_Points_of_Diversion

BLM Karst Potential

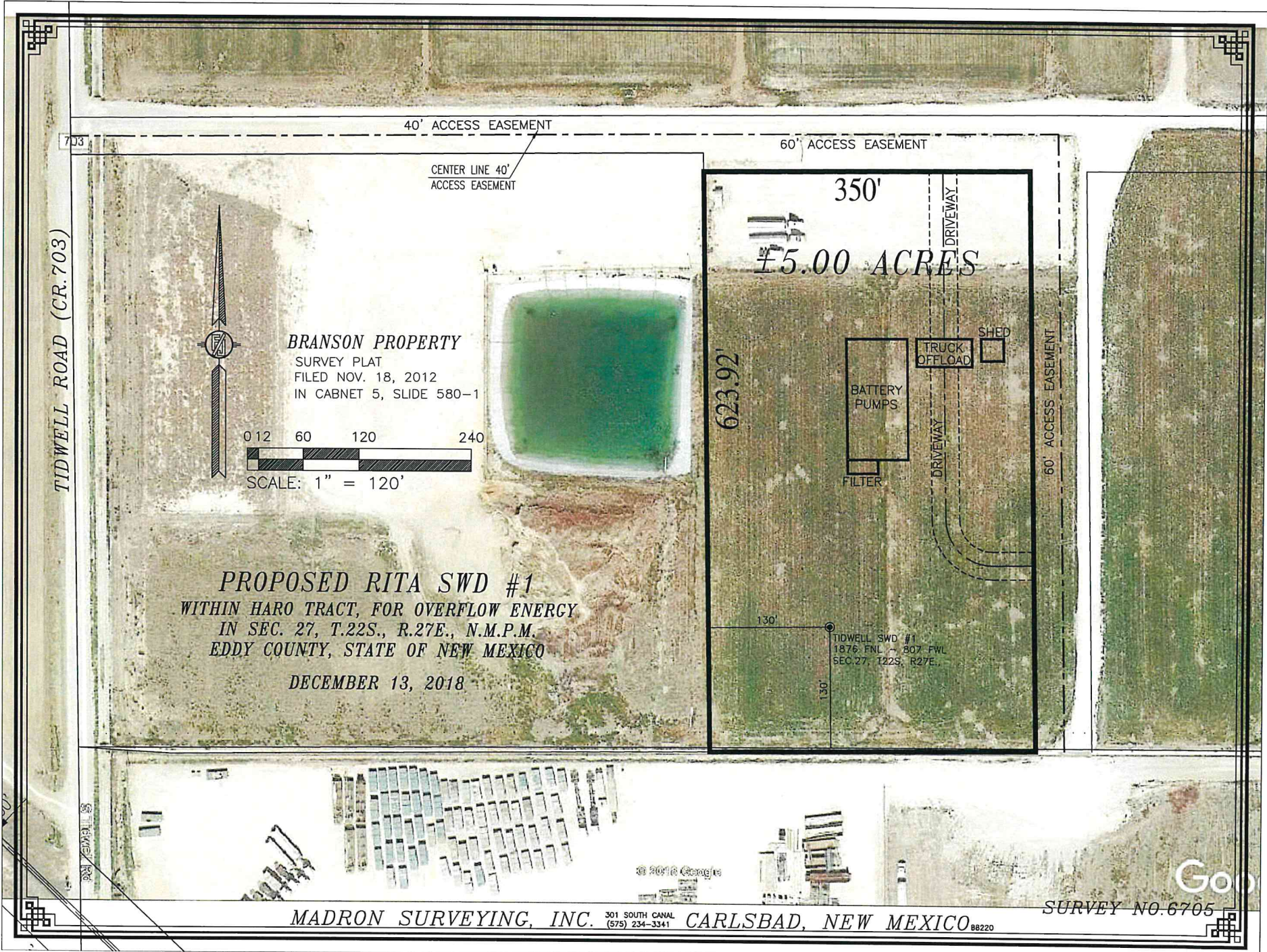
- High
- Low
- Medium



32.3656795,-104.1833337

JOB No. ritarose>env.21
 DATE FIELD: 2/07/2020 DRAWN LCM
 DATE DRAWN: 3/4/2021 REVIEW JAW





TIDWELL ROAD (CR. 703)

40' ACCESS EASEMENT

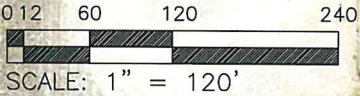
60' ACCESS EASEMENT

CENTER LINE 40' ACCESS EASEMENT

350'

5.00 ACRES

BRANSON PROPERTY
 SURVEY PLAT
 FILED NOV. 18, 2012
 IN CABNET 5, SLIDE 580-1



PROPOSED RITA SWD #1
 WITHIN HARO TRACT, FOR OVERFLOW ENERGY
 IN SEC. 27, T.22S., R.27E., N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 DECEMBER 13, 2018

623.92'

BATTERY PUMPS

TRUCK OFFLOAD

SHED

FILTER

60' ACCESS EASEMENT

TIDWELL SWD #1
 1876 FNL ~ 807 FWL
 SEC. 27, T22S, R27E.

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO 88220
 (575) 234-3341

SURVEY NO. 6705



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2017 DEC -6 PM 4:37

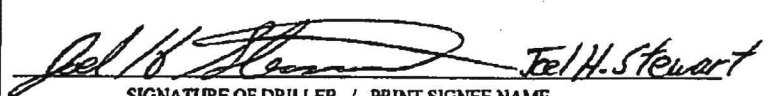
1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) POD1				OSE FILE NUMBER(S) C-4027									
	WELL OWNER NAME(S) Scott and Valerie Branson				PHONE (OPTIONAL) 575-706-5659									
	WELL OWNER MAILING ADDRESS 910 W Pierce Street #138				CITY Carlsbad		STATE NM		ZIP 88220					
	WELL LOCATION (FROM GPS)		DEGREES LATITUDE 32		MINUTES 22		SECONDS 0.228° E		N					
			LONGITUDE 104		11		4.88° S		W					
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW/4 SW/4 NW/4 Section 27 T 22S R 27E														
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD-331		NAME OF LICENSED DRILLER Joel H. Stewart				NAME OF WELL DRILLING COMPANY Stewart Brothers Drilling Co.							
	DRILLING STARTED 4/22/17		DRILLING ENDED 4/23/17		DEPTH OF COMPLETED WELL (FT) 140		BORE HOLE DEPTH (FT) 140		DEPTH WATER FIRST ENCOUNTERED (FT) 55					
	COMPLETED WELL IS: <input type="radio"/> ARTESIAN <input type="radio"/> DRY HOLE <input checked="" type="radio"/> SHALLOW (UNCONFINED)								STATIC WATER LEVEL IN COMPLETED WELL (FT)					
	DRILLING FLUID: <input checked="" type="radio"/> AIR <input type="radio"/> MUD ADDITIVES - SPECIFY:													
	DRILLING METHOD: <input checked="" type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY:													
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)		CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)		CASING CONNECTION TYPE		CASING INSIDE DIAM. (inches)		CASING WALL THICKNESS (inches)		SLOT SIZE (inches)	
	FROM		TO											
	0		30		12.25"		8.625" certa-lok		Integral bell joint		8.625"		.500	
	30		140		12.25"		8.625" certa-lok		Integral bell joint		8.625"		.500	
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)		LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL				AMOUNT (cubic feet)		METHOD OF PLACEMENT			
	FROM		TO											
	0		15		12.25"		portland cement				6.2		from surface	
	15		20		12.25"		bentonite chips				2.06		from surface	
	20		140		12.25"		3/8" pea gravel				49.53		from surface	

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 06/08/2012)							
FILE NUMBER		C-4027		POD NUMBER		1		TRN NUMBER		604422	
LOCATION						22S. 27E. 27. 131			EXPL.		
											PAGE 1 OF 2

STATE ENGINEER OFFICE
 ROSWELL, NEW MEXICO

DEPTH (feet bgl)	THICKNESS (feet)		COLOR AND TYPE OF MATERIAL ENCOUNTERED INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			
0	55	55	tan sand and clay	<input type="radio"/> Y <input checked="" type="radio"/> N	
55	140	85	dark brown gravel, clay and sands	<input checked="" type="radio"/> Y <input type="radio"/> N	
				<input type="radio"/> Y <input checked="" type="radio"/> N	
				<input type="radio"/> Y <input type="radio"/> N	
				<input type="radio"/> Y <input type="radio"/> N	
				<input type="radio"/> Y <input type="radio"/> N	
				<input type="radio"/> Y <input type="radio"/> N	
				<input type="radio"/> Y <input type="radio"/> N	
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				<input type="radio"/> Y <input type="radio"/> N	
				<input type="radio"/> Y <input type="radio"/> N	
				<input type="radio"/> Y <input type="radio"/> N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="radio"/> PUMP				TOTAL ESTIMATED WELL YIELD (gpm): unknown	
<input type="radio"/> AIR LIFT <input type="radio"/> BAILER <input type="radio"/> OTHER - SPECIFY:					

5. TEST, RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Minimal air-lift development was performed after well installation was complete. Owner is taking care of pump testing and equipping.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Don Ward	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	5-10-17 DATE

FOR USE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/08/2012)	
FILE NUMBER	C-4027	POD NUMBER	1
LOCATION	22S.27E.27.131	TRN NUMBER	EXPL
			PAGE 2 OF 2

Chamberlin, Guy, OSE

From: Mike Stapleton [mikeale2@gmail.com]
Sent: Wednesday, December 06, 2017 3:08 PM
To: Chamberlin, Guy, OSE
Subject: Fwd: well logs
Attachments: Well Logs.pdf

Hi guy,
I plotted their GPS numbers and it still shows at the corner of the water pond. C-4027 is the second well log ,
Thanks,

Mike

--
Mstapleton, LLC
Water Resource Specialist
1805 Mountain Shadow Dr.
Carlsbad, NM 88220

CONFIDENTIALITY NOTE:

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2017 DEC -6 PM 4: 37

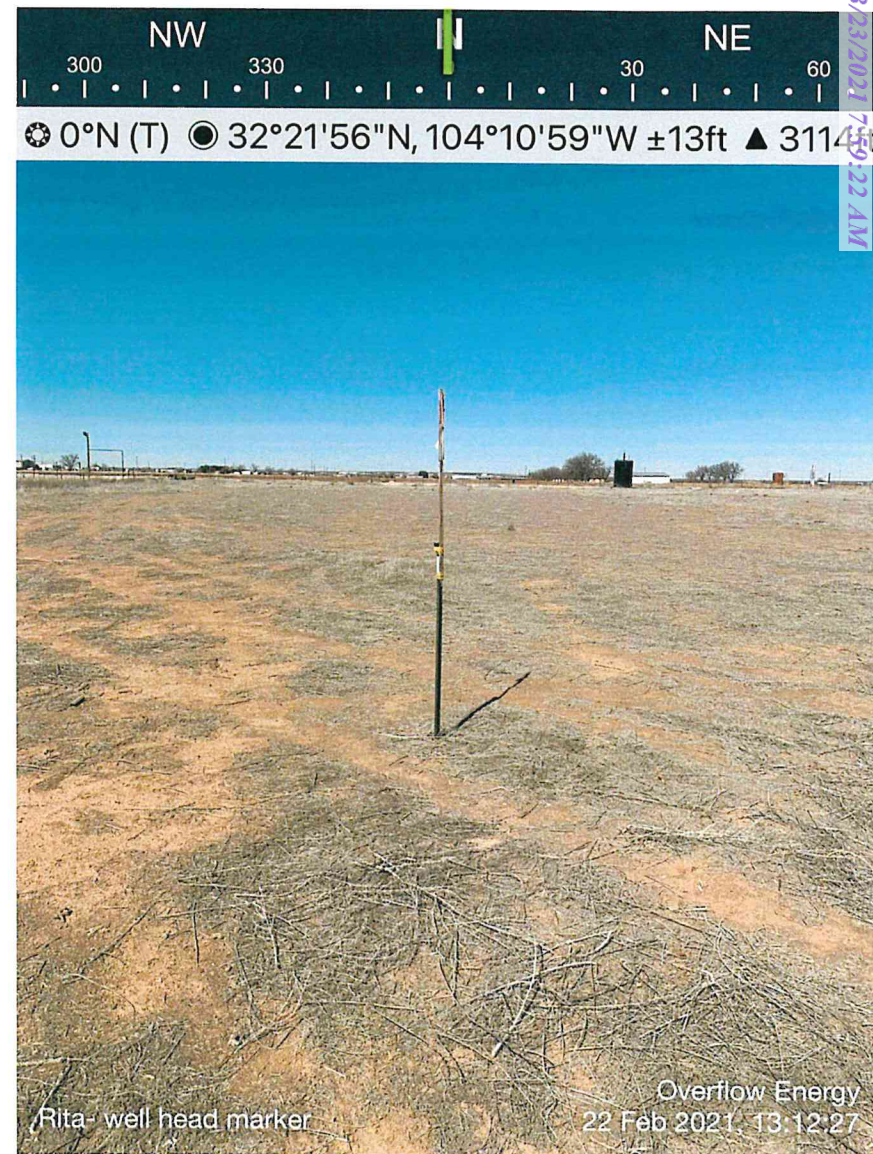


C-147 RECYCLING FACILITY FACILITY APPLACATION FOR RITA EDDY COUNTY, NEW MEXICO (Photos)



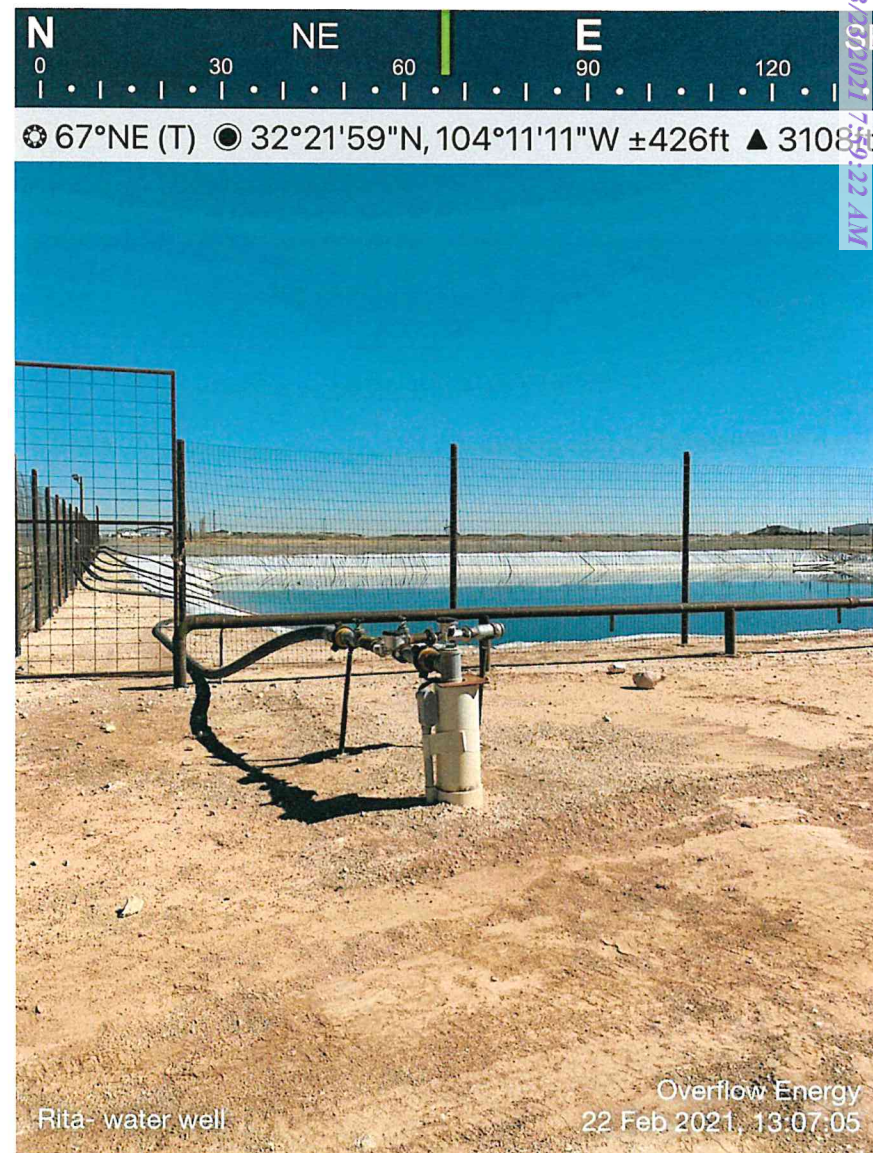
Rita Recycling Facility Application

Rita well head survey marker



Rita Recycling Facility Application

Near by water well C04027/C04043



Rita Recycling Facility Application

Near by drainage outside the 500ft



District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 21622

CONDITIONS OF APPROVAL

Operator:	OVERFLOW ENERGY, LLC	P.O. Box 354	Booker, TX79005	OGRID:	292641	Action Number:	21622	Action Type:	C-147S
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OCD Reviewer	Condition
vvenegas	2RF-160 - Rita Reclamation Facility registration is approved with the following conditions of approval: • The 2RF-160 - Rita Reclamation Facility registration expires on March 23, 2026. • OVERFLOW ENERGY, LLC [292641] will continue to operate, maintain, and close the 2RF-160 - Rita Reclamation Facility in compliance with 19.15.34 NMAC, to include but not limited detailed inspection records, removal of trash/oil from containment, and monthly C-148 reporting (even if there is zero activity).