

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

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

Incident ID	nAPP2310736718
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Hilcorp Energy Company	OGRID 372171
Contact Name Mitch Killough	Contact Telephone 713-757-5247
Contact email mkillough@hilcorp.com	Incident # nAPP2310736718
Contact mailing address 1111 Travis Street, Houston, Texas 77002	

Location of Release Source

Latitude 36.9686241 _____ Longitude -108.1127167 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Culpepper Martin 100S	Site Type Well
Date Release Discovered: 4/4/2023 @ 10:00 (MT)	API# 30-045-34394

Unit Letter	Section	Township	Range	County
I	20	32N	12W	San Juan

Surface Owner: State Federal Tribal Private (Name: Montoya Land Company)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 54 bbls	Volume Recovered (bbls) 1 bbl
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

On 4/4/2023 at approximately 10:00 AM (MT), Hilcorp Energy Company (Hilcorp) discovered a 54-bbl release of produced water at the Culpepper Martin 100S in San Juan County, NM. Shortly after commencing the unloading of produced water from a Hilcorp-owned storage tank, fluids began spilling from the third-party water hauling truck onto the pad. The spilled fluids migrated across the pad and flowed off location in an easterly direction before terminating approximately 300 ft from the site. Upon inspection and discussions with the third-party, it was determined that during the unloading process, a valve on the truck was not closed properly, which allowed fluids to escape the truck.

Oil Conservation Division

Incident ID	nAPP2310736718
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The spill amount exceeded 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes. Mitch Killough provided a 24-hour notice via email to the NMOCD on 4/5/2023 at 9:00 am (CT).	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why: When the fluids were released from the water hauling truck, this event occurred outside secondary containment and flowed off pad.
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Mitch Killough</u> Title: <u>Environmental Specialist</u>
Signature:  Date: <u>04/17/2023</u>
email: <u>mkillough@hilcorp.com</u> Telephone: <u>713-757-5247</u>
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>04/17/2023</u>

Mitch Killough

From: Mitch Killough
Sent: Wednesday, April 5, 2023 10:00 AM
To: Velez, Nelson, EMNRD
Cc: OCD.Enviro@state.nm.us; Matt Henderson
Subject: RE: Hilcorp Energy Company - 24-Hour Release Notification - Culpepper Martin 100S

Tracking:	Recipient	Delivery	Read
	Velez, Nelson, EMNRD		
	OCD.Enviro@state.nm.us		
	Matt Henderson	Delivered: 4/5/2023 10:00 AM	Read: 4/5/2023 10:01 AM

Hi Nelson.

On 4/4/2023 at approximately 10:00 AM (MT), Hilcorp Energy Company (Hilcorp) discovered a 54-bbl release of produced water at the Culpepper Martin 100S (API: 30-045-34394) in San Juan County, NM (36.968631, -108.112070). Shortly after commencing the unloading of produced water from a Hilcorp-owned storage tank, fluids began spilling from the third-party water hauling truck onto the pad. The spilled fluids migrated across the pad and flowed off location in an easterly direction before terminating approximately 300 ft from the site. Upon inspection and discussions with the third-party, it was determined that during the unloading process, a valve on the truck was not closed properly, which allowed fluids to escape the truck. Only 1 bbl of spilled fluid could be recovered following the release. At this time, Hilcorp is in discussions with the third-party regarding spill cleanup expectations. The site is located on private surface owned by Montoya Cattle Company.

An initial C-141 will be submitted by Hilcorp to the NMOCD no later than 4/19/2023.

Please contact me if you have any questions. Thanks.

Mitch Killough
Environmental Specialist
Hilcorp Energy Company
1111 Travis Street
Houston, TX 77002
713-757-5247 (office)
281-851-2338 (cell)
mkillough@hilcorp.com

SYSTEM IDENTIFICATION

Hilcorp
Culpepper Martin 100S
Well Head

Sample ID#: 0
ID: 2205-05-19

Sample Date: 04-23-2022 at 0000
Report Date: 05-04-2022

WATER CHEMISTRY

CATIONS

Calcium(as Ca)	10.96
Magnesium(as Mg)	6.59
Barium(as Ba)	9.48
Strontium(as Sr)	3.83
Sodium(as Na)	3626
Potassium(as K)	19.25
Lithium(as Li)	0.422
Iron(as Fe)	0.323
Aluminum(as Al)	0.00
Manganese(as Mn)	0.0230
Zinc(as Zn)	0.0220

ANIONS

Chloride(as Cl)	2358
Sulfate(as SO ₄)	10.00
Dissolved CO ₂ (as CO ₂)	180.00
Bicarbonate(as HCO ₃)	5612
Carbonate(as CO ₃)	0.00
Silica(as SiO ₂)	9.33
Phosphate(as P)	0.257
H ₂ S (as H ₂ S)	5.00
Boron(as B)	6.52

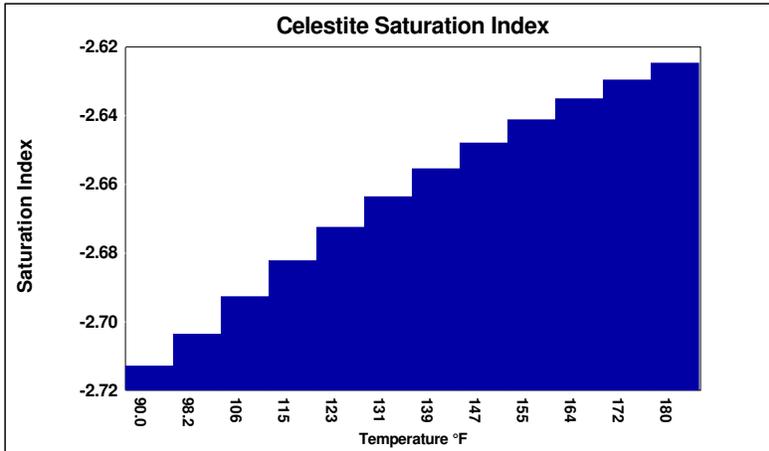
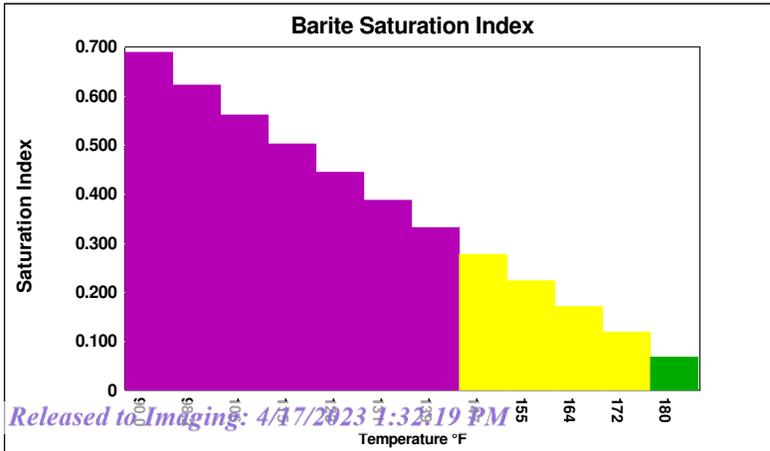
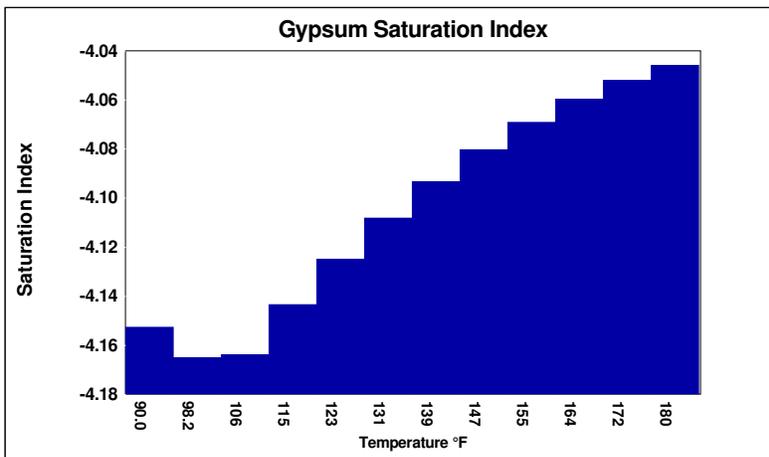
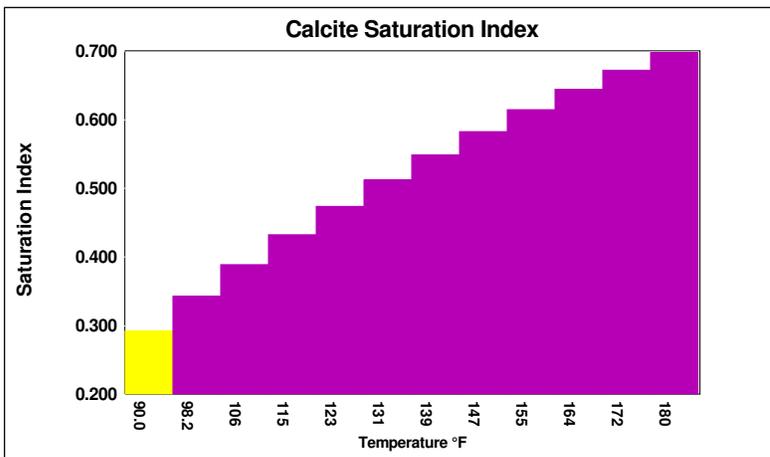
PARAMETERS

Temperature(°F)	70.00	Sample pH	7.50
Conductivity	11497	Sp.Gr.(g/mL)	1.011
Resistivity	86.98	T.D.S.	11857

SCALE AND CORROSION POTENTIAL

Temp. (°F)	Press. (psia)	Calcite CaCO ₃	Anhydrite CaSO ₄	Gypsum CaSO ₄ *2H ₂ O	Barite BaSO ₄	Celestite SrSO ₄	Siderite FeCO ₃	Mackinawite FeS	CO ₂ (mpy)	pCO ₂ (psia)							
90.00	20.00	0.29	2.37	-4.33	-915.56	-4.15	-839.31	0.69	3.54	-2.71	-90.14	2.21	0.231	0.87	0.0524	0.161	2.91
98.18	27.27	0.34	2.70	-4.32	-890.53	-4.17	-840.96	0.62	3.31	-2.70	-88.96	2.29	0.230	0.95	0.0534	0.218	3.96
106.36	34.55	0.39	2.98	-4.30	-860.91	-4.16	-829.70	0.56	3.08	-2.69	-87.62	2.36	0.229	1.01	0.0535	0.266	5.02
114.55	41.82	0.43	3.20	-4.28	-827.54	-4.14	-800.09	0.50	2.84	-2.68	-86.35	2.44	0.228	1.05	0.0532	0.276	6.08
122.73	49.09	0.47	3.38	-4.25	-791.22	-4.12	-772.77	0.44	2.59	-2.67	-85.18	2.50	0.226	1.08	0.0526	0.277	7.14
130.91	56.36	0.51	3.52	-4.22	-752.71	-4.11	-747.54	0.39	2.33	-2.66	-84.11	2.57	0.223	1.10	0.0517	0.268	8.19
139.09	63.64	0.55	3.62	-4.19	-712.72	-4.09	-724.24	0.33	2.05	-2.66	-83.13	2.63	0.220	1.11	0.0506	0.249	9.25
147.27	70.91	0.58	3.68	-4.15	-671.88	-4.08	-702.70	0.28	1.77	-2.65	-82.24	2.69	0.216	1.11	0.0492	0.265	10.31
155.45	78.18	0.61	3.72	-4.11	-630.78	-4.07	-682.77	0.22	1.47	-2.64	-81.44	2.74	0.211	1.11	0.0476	0.287	11.37
163.64	85.45	0.64	3.72	-4.06	-589.91	-4.06	-664.34	0.17	1.15	-2.64	-80.71	2.79	0.205	1.11	0.0458	0.309	12.42
171.82	92.73	0.67	3.71	-4.02	-549.69	-4.05	-647.29	0.12	0.824	-2.63	-80.07	2.83	0.198	1.10	0.0437	0.330	13.48
180.00	100.00	0.70	3.67	-3.97	-510.48	-4.05	-631.53	0.07	0.483	-2.62	-79.50	2.87	0.190	1.08	0.0414	0.290	14.54

Saturation Ratios (xSAT) are the ratio of ion activity to solubility, e.g. {Ca}{CO₃}/K_{sp}. pCO₂ (psia) is the partial pressure of CO₂ in the gas phase. Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.



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 208346

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 208346
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	4/17/2023