

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-039-29960
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Hilcorp Energy Company		6. State Oil & Gas Lease No. Federal NMSF078885
3. Address of Operator 382 Road 3100, Aztec, NM 87410		7. Lease Name or Unit Agreement Name Canyon Largo Unit
4. Well Location Unit Letter <u>D</u> : <u>1050</u> feet from the <u>North</u> line and <u>860</u> feet from the <u>West</u> line Section <u>11</u> Township <u>25N</u> Range <u>06W</u> NMPM County <u>Rio Arriba</u>		8. Well Number 278E
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6779' GL		9. OGRID Number 372171
		10. Pool name or Wildcat Basin Mancos / Blanco Mesaverde

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input checked="" type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/> RECOMPLETE		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

It is intended to recomplete the subject well in the Basin Mancos (pool 97232) and the Blanco Mesaverde (pool 72319) and downhole commingle the existing Basin Dakota (pool 71599) with the Mancos and Mesaverde. The production will be commingled per Oil Conservation Division Order Number R-12984-B. Allocation and methodology will be provided after the well is completed. Commingling will not reduce the value of the production. The Bureau of Land Management has been notified in writing of this application.

Proposed perforations are: MV 4139' – ' 5605'; MC 5605' – 7036'; DK 7152' - 7366'. **These perforations are in TVD.**

As referred to in Order # R-10786 interest owners were not re-notified.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Cherylene Weston TITLE Operations/Regulatory Technician Sr. DATE 02/18/2024

Type or print name Cherylene Weston E-mail address: cweston@hilcorp.com PHONE: 713-289-2615
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
 Conditions of Approval (if any): _____

District I

1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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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

Form C-102
August 1, 2011

Permit 356169

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-039-29960	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 318470	5. Property Name CANYON LARGO UNIT	6. Well No. 278E
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6779

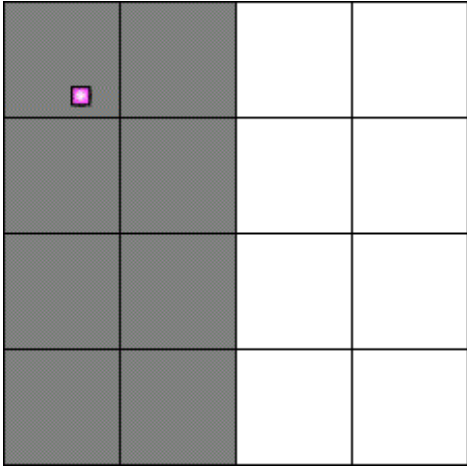
10. Surface Location

UL - Lot D	Section 11	Township 25N	Range 06W	Lot Idn	Feet From 1050	N/S Line N	Feet From 860	E/W Line W	County RIO ARRIBA
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00	13. Joint or Infill			14. Consolidation Code			15. Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p style="text-align: center;">OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>E-Signed By: Cherylene Weston Title: Operations/Regulatory Tech-Sr. Date: 12/19/2023</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Surveyed By: Glen W. Russell Date of Survey: 5/26/2006 Certificate Number: 15703</p>
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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

Form C-102
August 1, 2011

Permit 356169

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-039-29960	2. Pool Code 97232	3. Pool Name BASIN MANCOS
4. Property Code 318470	5. Property Name CANYON LARGO UNIT	6. Well No. 278E
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6779

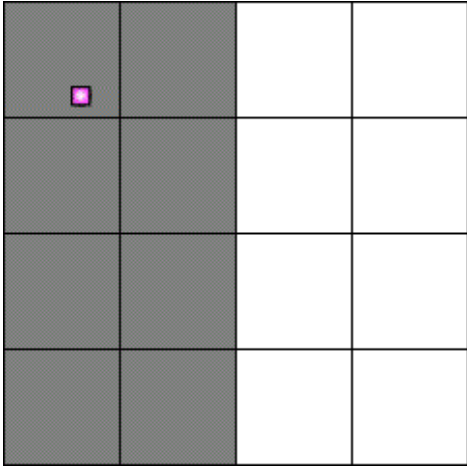
10. Surface Location

UL - Lot D	Section 11	Township 25N	Range 06W	Lot Idn	Feet From 1050	N/S Line N	Feet From 860	E/W Line W	County RIO ARRIBA
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00	13. Joint or Infill			14. Consolidation Code			15. Order No.		

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	<p style="text-align: center;">OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>E-Signed By: Cherylene Weston Title: Operations/Regulatory Tech-Sr. Date: 12/19/2023</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Surveyed By: Glen W. Russell Date of Survey: 5/26/2006 Certificate Number: 15703</p>
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DISTRICT I
1925 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-29960	*Pool Code 71599	*Pool Name Basin Dakota
*Property Code 6886	*Property Name CANYON LARGO UNIT	*Well Number 278E
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	*Elevation 6779'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	11	25-N	6-W		1050'	NORTH	860'	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres W/2 DK			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

		<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Joni Clark</i> Signature Joni Clark Printed Name</p>	
<p>USA SF-078885</p>		<p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>5-26-06 Date of Survey GILAN W. RUSSELL Signature GILAN W. RUSSELL 15703 Certificate Number</p>	

Canyon Largo Unit 278E Allocation

The forecasts for Mancos and Mesaverde production have been generated using type curves of production in the surrounding trend.

These zones are proposed to be commingled because the application of dual completions impedes the ability to produce the shallow zone without artificial lift and the deeper zones with reduced artificial lift efficiency. All horizons will require artificial lift due to low bottomhole pressure (BHP) and permeability.

The BHPs of all zones, producing and non-producing, were estimated based upon basin wide Moving-Domain Material Balance models that have proven to approximate the pressure in the given reservoirs well in this portion of the basin, in conjunction with shut-in pressure build-ups. These models were constructed incorporating reservoir dynamics and physics, historic production, and observed pressure data. Historic commingling operations have proven reservoir fluids are compatible.

Production Allocation Method – Subtraction

Gas Allocation:

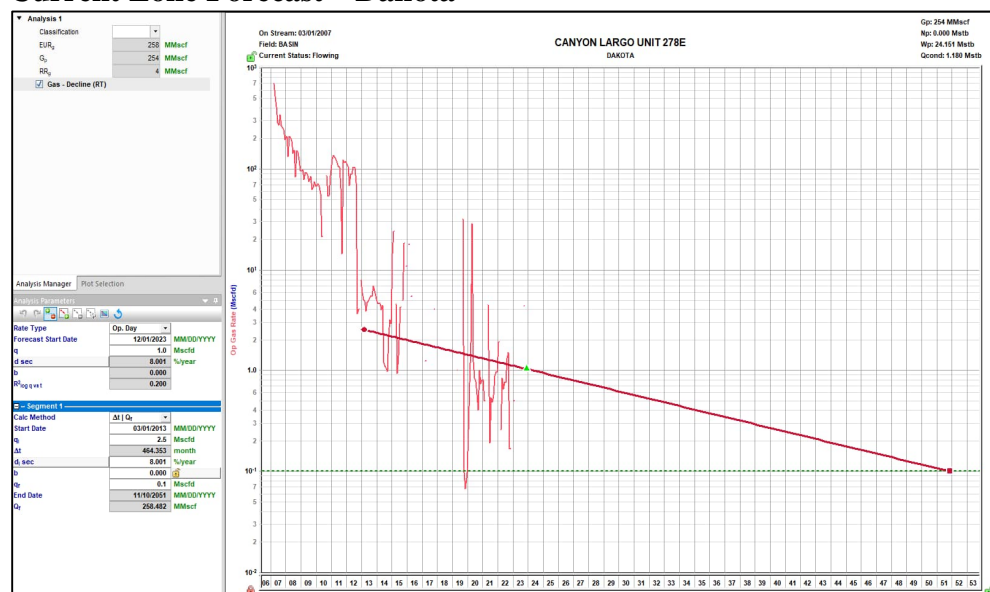
Production for the downhole commingle will be allocated using the subtraction method in agreement with local agencies. The base formation is the Dakota and the added formations to be trimmingle are the Mancos and Mesaverde. The subtraction method applies an average monthly production forecast to the base formation using historic production. All production from this well exceeding the base formation forecasts will be allocated to the new formations.

New zones will be allocated using a fixed allocation. Forecasted rates for MC and MV are based on offsets type curve. The maps show the standalone offsets that were used for type-curves. The split between MC and MV is bason the ratio of forecasted reserves as shown in the table below.

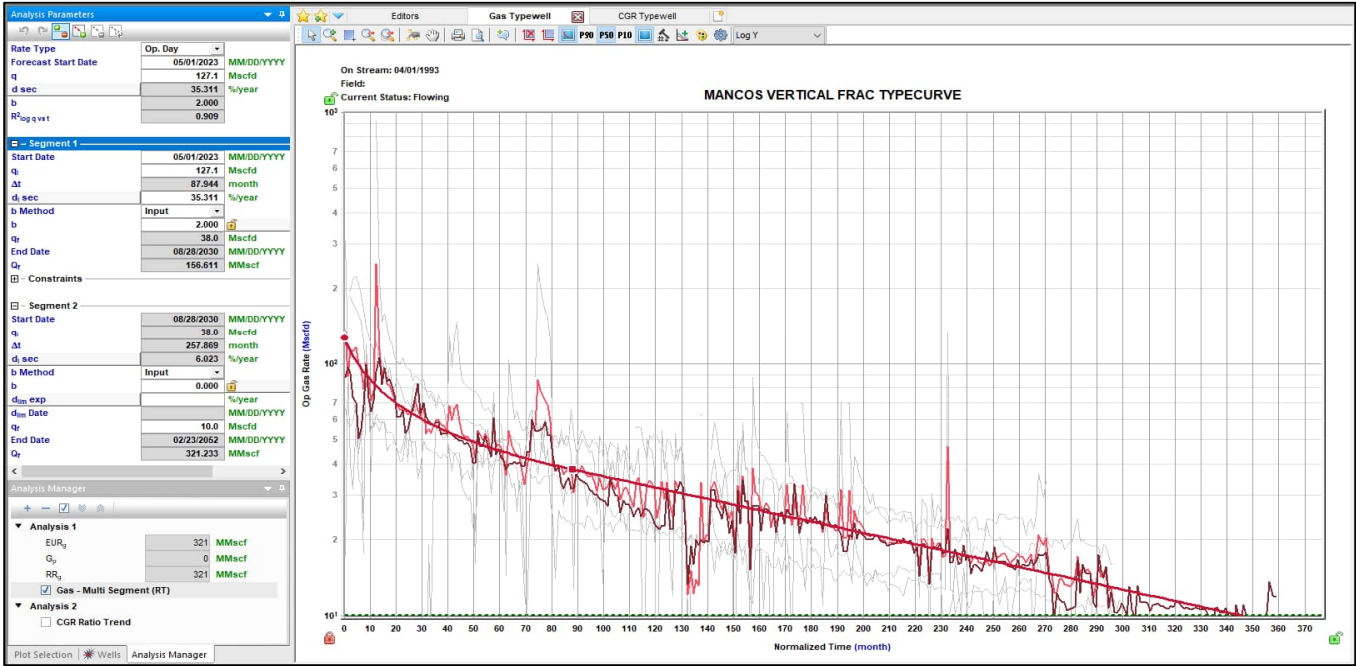
Formation	Remaining Reserves (MMcf)	% Gas Allocation
Mancos	321	40%
Mesaverde	489	60%

After 3 years production will stabilize. A production average will be gathered during the 4th year and will be utilized to create a fixed percentage-based allocation.

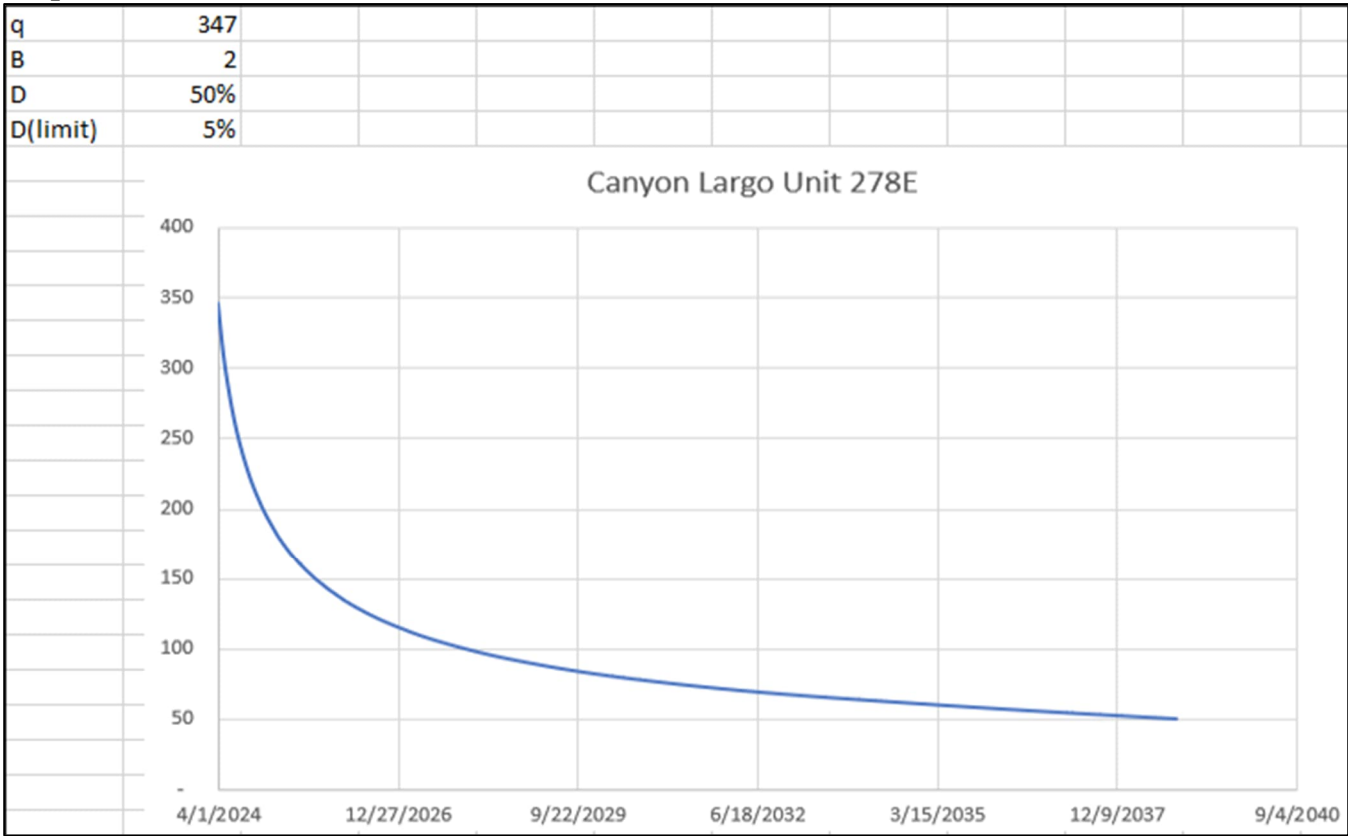
Current Zone Forecast – Dakota



Proposed Zone 1 Forecast - Mancos



Proposed Zone 2 Forecast - Mesaverde



Average initial production curve in geologic region.

Oil Allocation:

Oil production will be allocated based on average formation yields from offset wells and will be a fixed rate for 4 years. After 4 years oil will be reevaluated and adjusted as needed based on average formation yields and new fixed gas allocation.

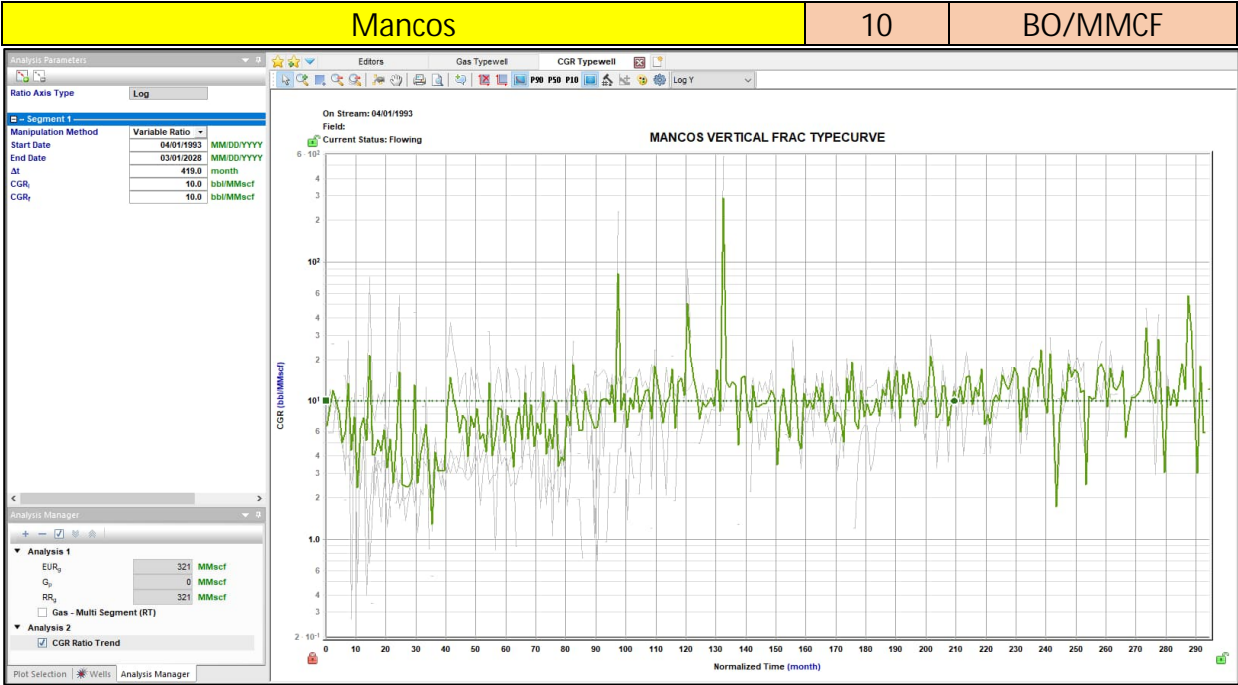
Formation	Yield (bbl/MM)	Remaining Reserves (MMcf)	% Oil Allocation
DK	0.00	4	0%
MC	10.00	321	45%
MV	8.07	489	55%

Current Zone – Dakota Oil Yield Map



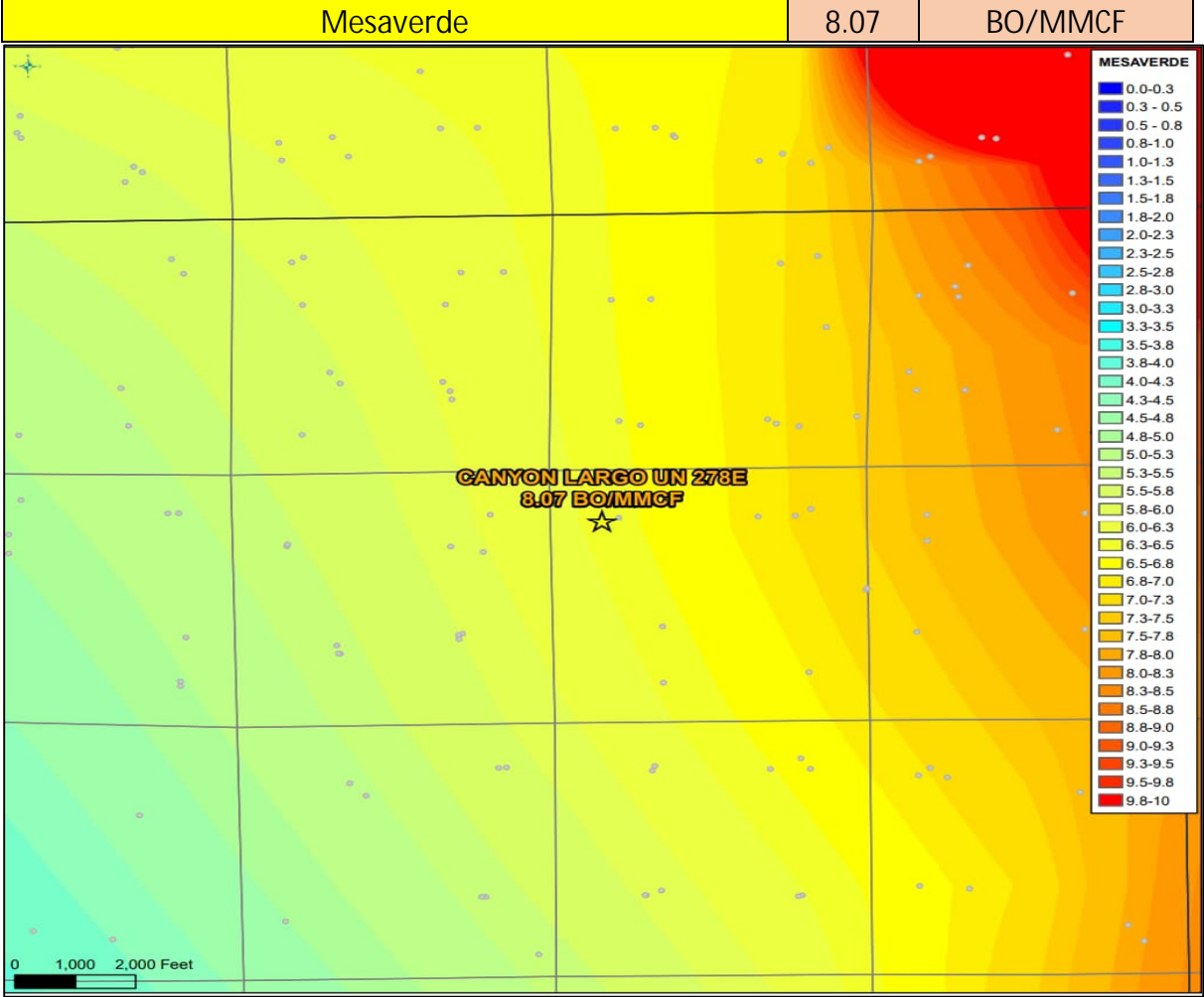
9-Section Area of Standalone Oil Yields. Sampled well to this map.

Proposed Zone 1 – Mancos Oil Yield



Average Oil Yield from Vertical Mancos Type Curve.

Proposed Zone 2 - Mesaverde Oil Yield Map



9-Section Area of Standalone Oil Yields. Sampled well to this map.

From: [McClure, Dean, EMNRD](#) on behalf of [Engineer, OCD, EMNRD](#)
To: [Cheryl Weston](#); [Mandi Walker](#)
Cc: [McClure, Dean, EMNRD](#); [Roberts, Kelly, EMNRD](#); [Rikala, Ward, EMNRD](#); [Wrinkle, Justin, EMNRD](#); [Powell, Brandon, EMNRD](#); [Paradis, Kyle O](#); dmankiew@blm.gov
Subject: Approved Administrative Order DHC-5362
Date: Friday, April 19, 2024 1:56:46 PM
Attachments: [DHC5362 Order.pdf](#)

NMOCD has issued Administrative Order DHC-5362 which authorizes Hilcorp Energy Company (372171) to downhole commingle production within the following well:

Well Name: [Canyon Largo Unit #278E](#)
Well API: [30-039-29960](#)

The administrative order is attached to this email and can also be found online at OCD Imaging.

Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

From: [Cheryl Weston](#)
To: [McClure, Dean, EMNRD](#)
Subject: FW: [EXTERNAL] Application ID: 299510; 30-039-29960 CANYON LARGO UNIT #278E (Approved)
Date: Friday, April 5, 2024 2:20:51 PM

Dean,

The SJS Geologist has confirmed that our proposed perfs are within the Gallup formation.

Please advise if anything else is needed for this DHC.

Thanks,
Cheryl

From: Scott Matthews <scmatthews@hilcorp.com>
Sent: Friday, April 5, 2024 3:14 PM
To: Cheryl Weston <cweston@hilcorp.com>
Subject: RE: [EXTERNAL] Application ID: 299510; 30-039-29960 CANYON LARGO UNIT #278E (Approved)

Cheryl, Thanks for reaching out. Our perfs will be within the Gallup formation for the CLU 278E.

Best Regards,

Scott Matthews
San Juan South Geologist
Hilcorp Energy Company
O: 713-289-2632
C: 303-524-2219
scmatthews@hilcorp.com

From: Cheryl Weston <cweston@hilcorp.com>
Sent: Friday, April 5, 2024 3:08 PM
To: Scott Matthews <scmatthews@hilcorp.com>
Subject: FW: [EXTERNAL] Application ID: 299510; 30-039-29960 CANYON LARGO UNIT #278E (Approved)

Scott,

Dean called me and requested a technical statement confirming that the proposed Mancos perfs (5605' – 7036') are within the Gallup formation.

Hearing Order R-10786 exempts interest owner notice for Gallup/Mancos, Mesaverde and Dakota.

Thanks,
Cheryl

From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Sent: Friday, March 8, 2024 5:36 PM
To: Cheryl Weston <cweston@hilcorp.com>
Cc: Mandi Walker <mwalker@hilcorp.com>
Subject: RE: [EXTERNAL] Application ID: 299510; 30-039-29960 CANYON LARGO UNIT #278E (Approved)

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

Hello Cheryl,

My initial take is that I believe most of those hearing orders reference formations more so than pools. As such and prior to an in-depth review, I wouldn't immediately conclude that the Basic Mancos in its entirety is excluded since it also includes the Gallup. However, it seems possible that parts of the vertical extent of the Basin Mancos is excluded; I will need to investigate this further.

Not to guarantee that it is still valid, but is Hilcorp aware of any guidance that the Division may have offered in the past regarding this topic?

My understanding is that Hilcorp will need to go to nomenclature hearing in order to extend the boundaries of a Gallup pool within the area covered by the Basin Mancos. If a well extends across the boundary of two pools, then it should have a completion listed for each pool it encounters, and it wouldn't cause the boundary which otherwise would not move to be redrawn by merit of the lateral crossing the boundary. Having said that, I will look into the area next week.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

From: Cheryl Weston <cweston@hilcorp.com>
Sent: Thursday, March 7, 2024 3:11 PM
To: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>

Cc: Mandi Walker <mwalker@hilcorp.com>

Subject: [EXTERNAL] Application ID: 299510; 30-039-29960 CANYON LARGO UNIT #278E (Approved)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dean,

For the DHC, it appears the Basin Mancos would not be covered under Order R-10786? It does however cover the Devils Fork Gallup (pool 17610). Would it be in our best interest to change our pool to Devils Fork Gallup? The Canyon Largo Unit 2506-11 2H (API# 30-039-31239) has its BHL in the same qtr/qtr as our well and it is designated Devils Fork Gallup. Or, would the Mancos be covered in R-10786?

We are scheduled to being wellbore prep on Monday, 3/11/24 and the frac is scheduled for April.

Thanks,
Cheryl

From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>

Sent: Wednesday, February 21, 2024 4:59 PM

To: Cheryl Weston <cweston@hilcorp.com>

Cc: Mandi Walker <mwalker@hilcorp.com>

Subject: RE: [EXTERNAL] Application ID: 299510; 30-039-29960 CANYON LARGO UNIT #278E

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

Thank you.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

From: Cheryl Weston <cweston@hilcorp.com>

Sent: Wednesday, February 21, 2024 3:36 PM

To: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>

Cc: Mandi Walker <mwalker@hilcorp.com>

Subject: RE: [EXTERNAL] Application ID: 299510; 30-039-29960 CANYON LARGO UNIT #278E

Dean,

Here is the corrected C-102 for the MV and MC.

Thanks,
Cheryl

From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Sent: Wednesday, February 21, 2024 3:46 PM
To: Cheryl Weston <cweston@hilcorp.com>
Cc: Mandi Walker <mwalker@hilcorp.com>
Subject: [EXTERNAL] Application ID: 299510; 30-039-29960 CANYON LARGO UNIT #278E

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

Cheryl,

I am reviewing the sundry referenced in the subject line of this email regarding the recompletion of the 30-039-29960 CANYON LARGO UNIT #278E.

Please provide amended C-102s for the proposed new pools with corrected sections and surface locations included.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

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From: [McClure, Dean, EMNRD](#)
To: [Cheryl Weston](#); [Mandi Walker](#)
Subject: Application ID: 323402; 30-039-29960 CANYON LARGO UNIT #278E
Date: Friday, April 5, 2024 3:16:00 PM

Hilcorp is granted verbal approval to proceed with its proposed downhole commingle of pools within the well bore of the 30-039-29960 CANYON LARGO UNIT #278E as submitted to the Division in the application packet designated as Application ID: 323402.

The following COAs shall be followed provided that once an order is issued by the Division, the COAs included therein shall supersede those included here.

If an alteration is made to the Well or a condition within the Well changes which may cause the allocation of production to the Pools as approved within this Permit to become inaccurate, then no later than sixty (60) days after that event, the Operator shall submit Form C-103 to the OCD Engineering Bureau describing the event and include a revised allocation plan. If OCD denies the revised allocation plan, this Permit shall terminate on the date of such action.

If the downhole commingling of the Pools reduces the value of the oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred the Operator shall submit a new downhole commingling application to OCD to amend this Permit to remove the pool that caused the decrease in value. If the Operator fails to submit a new application, this Permit shall terminate on the following day, and if OCD denies the application, this Permit shall terminate on the date of such action.

If a completed interval of the Well is altered from what is submitted within this application, then no later than sixty (60) days after the alteration, the Operator shall submit Form C-103 to the OCD Engineering Bureau detailing the alteration and completed interval.

The Operator shall calculate the oil and gas production average during the fourth year after the commencement of commingling, which shall be used to establish a fixed percentage of the total oil and gas production that shall be allocated to each of the Pools ("fixed percentage allocation plan"). No later than ninety (90) days after the fourth year, the Operator shall submit a Form C-103 to the OCD Engineering Bureau that includes the fixed percentage allocation plan and all data used to determine it. If the Operator fails to do so, this Permit shall terminate on the following day. If OCD denies the fixed percentage allocation plan, this Permit shall terminate on the date of such action. If OCD approves the percentage allocation plan with or without modifications, then the approved percentage allocation plan shall be used to determine oil and gas allocation starting on the date of such action until the Well is plugged and abandoned.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

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

**APPLICATION FOR DOWNHOLE COMMINGLING
SUBMITTED BY HILCORP ENERGY COMPANY**

ORDER NO. DHC-5362

ORDER

The Director of the New Mexico Oil Conservation Division ("OCD"), having considered the application and the recommendation of the Engineering Bureau, issues the following Order.

FINDINGS OF FACT

1. Hilcorp Energy Company ("Applicant") submitted a complete application ("Application") to downhole commingle the pools described in Exhibit A ("the Pools") within the well bore of the well identified in Exhibit A ("the Well").
2. Applicant proposed a method to allocate the oil and gas production from the Well to each of the Pools that is satisfactory to the OCD and protective of correlative rights.
3. Applicant has certified that the proposed commingling of the Pools shall not result in shut-in or flowing well bore pressure in excess of the commingled pool's fracture parting pressure.
4. Applicant has certified that all produced fluids from all the Pools are compatible with each other.
5. Applicant has certified that downhole commingling the Pools will not decrease the value of the oil and gas production.
6. An exception to the notification requirements within 19.15.12.11(C)(1)(b) NMAC was granted by the Division within Order R-10786.
7. Applicant provided notice of the Application to the Bureau of Land Management ("BLM") or New Mexico State Land Office ("NMSLO"), as applicable.

CONCLUSIONS OF LAW

8. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, Sections 70-2-6, 70-2-11, 70-2-12, 70-2-16, 70-2-17, and 19.15.12 NMAC.
9. The downhole commingling of the Pools is common, or Applicant has provided evidence that the fluids are compatible and will not damage the Pools in accordance with 19.15.12.11(A)(1) NMAC.
10. The bottom perforation of the lower zone is within one hundred fifty percent (150%) of the depth of the top perforation in the upper zone or Applicant has provided evidence that the proposed commingling of the Pools shall not result in shut-in or flowing well bore pressure

in excess of the commingled pool's fracture parting pressure in accordance with 19.15.12.11(A)(3) NMAC.

11. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.11(A)(8) NMAC.
12. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

ORDER

1. Applicant is authorized to downhole commingle the Pools described in Exhibit A within the well bore of the well identified in Exhibit A.
2. Applicant shall allocate a fixed percentage of the oil production from the Well to each of the Pools until a different plan to allocate oil production is approved by OCD. Of the oil production from the Well:
 - a. fifty-five percent (55%) shall be allocated to the BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319);
 - b. forty-five percent (45%) shall be allocated to the BASIN MANCOS pool (pool ID: 97232); and
 - c. zero percent (0%) shall be allocated to the BASIN DAKOTA (PRORATED GAS) pool (pool ID: 71599).

Applicant shall allocate gas production to the new pool(s) equal to the total gas production from the Well minus the projected gas production from the current pool(s) until a different plan to allocate gas production is approved by OCD. The new pool(s) are:

- a. the BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319); and
- b. the BASIN MANCOS pool (pool ID: 97232).

The current pool(s) are:

- a. the BASIN DAKOTA (PRORATED GAS) pool (pool ID: 71599).

Until a different plan to allocate gas production is approved by OCD, of the gas production allocated to the new pools:

- a. sixty percent (60%) shall be allocated to the BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319); and
- b. forty percent (40%) shall be allocated to the BASIN MANCOS pool (pool ID: 97232).

Applicant shall calculate the oil and gas production average during the fourth year after the commencement of commingling, which shall be used to establish a fixed percentage of the total oil and gas production that shall be allocated to each of the Pools ("fixed percentage allocation plan"). No later than ninety (90) days after the fourth year, Applicant shall submit a Form C-103 to the OCD Engineering Bureau that includes the fixed percentage allocation plan and all data used to determine it. If Applicant fails to do so, this Order shall terminate on the following day. If OCD denies the fixed percentage allocation plan, this Order shall terminate on the date of such action. If OCD approves the percentage allocation plan with

or without modifications, then the approved percentage allocation plan shall be used to determine oil and gas allocation starting on the date of such action until the Well is plugged and abandoned.

3. If an alteration is made to the Well or a condition within the Well changes which may cause the allocation of production to the Pools as approved within this Order to become inaccurate, then no later than sixty (60) days after that event, Applicant shall submit Form C-103 to the OCD Engineering Bureau describing the event and include a revised allocation plan. If OCD denies the revised allocation plan, this Order shall terminate on the date of such action.
4. If any of the pools being commingled is prorated, or the Well's production has been restricted by an OCD order in any manner, the allocated production from each producing pool in the commingled well bore shall not exceed the top oil or gas allowable rate for a well in that pool or rate restriction applicable to the well.
5. If the Well is deepened, then no later than forty-five (45) days after the Well is deepened, Applicant shall conduct and provide logs to OCD that are sufficient for OCD to determine which pool(s) each new completed interval of the Well will produce from.
6. If the downhole commingling of the Pools reduces the value of the oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new downhole commingling application to OCD to amend this Order to remove the pool that caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
7. If a completed interval of the Well is altered from what is submitted within the Application as identified in Exhibit A, then no later than sixty (60) days after the alteration, Applicant shall submit Form C-103 to the OCD Engineering Bureau detailing the alteration and completed interval.
8. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).
9. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

**STATE OF NEW MEXICO
OIL CONSERVATION DIVISION**



**DYLAN M. FUGE
DIRECTOR (ACTING)**

DATE: 4/19/24

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: DHC-5362			
Operator: Hilcorp Energy Company (372171)			
Well Name: Canyon Largo Unit #278E			
Well API: 30-039-29960			
Upper Zone	Pool Name: BLANCO-MESAVERDE (PRORATED GAS)		
	Pool ID: 72319	Current:	New: X
	Allocation:	Oil: 55.0%	Gas: 60.0%
		Top: 4,139	Bottom: 5,605
Intermediate Zone	Pool Name: BASIN MANCOS		
	Pool ID: 97232	Current:	New: X
	Allocation:	Oil: 45.0%	Gas: 40.0%
		Top: 5,605	Bottom: 7,036
Bottom of Interval within 150% of Upper Zone's Top of Interval: NO			
Lower Zone	Pool Name: BASIN DAKOTA (PRORATED GAS)		
	Pool ID: 71599	Current: X	New:
	Allocation:	Oil: 0.0%	Gas: subt
		Top: 7,152	Bottom: 7,366
Bottom of Interval within 150% of Upper Zone's Top of Interval: NO			

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1625 N. French Dr., Hobbs, NM 88240
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District III
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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 323402

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 323402
	Action Type: [C-107] Down Hole Commingle (C-107A)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.	4/19/2024