

Submit 1 Copy To Appropriate District 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

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

DHC-5396

Form C-103
Revised July 18, 2013

WELL API NO. 30-045-25503
5. Indicate Type of Lease STATE [] FEE [] FEDERAL NMSF080724A
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Zachry
8. Well Number 29
9. OGRID Number 372171
10. Pool name or Wildcat Basin Fruitland Coal
4. Well Location Unit Letter C: 937 feet from the North line and 1785 feet from the West line
Section 33 Township 29N Range 10W NMPM County San Juan
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5620' GR

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

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [] PLUG AND ABANDON []
TEMPORARILY ABANDON [] CHANGE PLANS []
PULL OR ALTER CASING [] MULTIPLE COMPL []
DOWNHOLE COMMINGLE [x]
CLOSED-LOOP SYSTEM []
OTHER: []
SUBSEQUENT REPORT OF:
REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A []
CASING/CEMENT JOB []
OTHER: []

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 Fruitland Coal (pool 71629) and downhole commingle the existing Aztec Pictured Cliffs (pool 71280). The production will be commingled per Oil Conservation Division Order Number 11363. See the attached allocation methodology. 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: FC - 1700' - 1867'; PC - 1870' - 1930' These perforations are in TVD.

Interest is common, no notification is necessary.

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 [Signature] TITLE Operations/Regulatory Technician Sr. DATE 6/26/2024

Type or print name Amanda Walker E-mail address: mwalker@hilcorp.com PHONE: 346-237-2177

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 06/26/2024

Conditions of Approval (if any):

CONDITIONS OF APPROVAL

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.

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Form C-102

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-25503	Pool Name AZTEC PICTURED CLIFFS (GAS)	Pool Code 71280
Property Code 7654	Property Name ZACHRY	Well No. 029
OGRID No. 14538	Operator Name Burlington Resources Oil and Gas Company	Elevation 5620

Surface And Bottom Hole Location

UL or Lot C	Section 33	Township 29N	Range 10W	Lot Idn	Feet From 937	N/S Line N	Feet From 1785	E/W Line W	County San Juan
Dedicated Acres 160		Joint or Infill		Consolidation Code		Order No.			

	□		

OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
Signed By: *Regina Cole*
Title: Regulatory Supervisor
Date: 7/9/2003

SURVEYOR CERTIFICATION
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.
Signed By: James P. Leese
Date of Survey: 12/4/1995
Certificate Number: 8857



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WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-045-25503	2. Pool Code 71629	3. Pool Name BASIN FRUITLAND COAL (GAS)
4. Property Code 318769	5. Property Name ZACHRY	6. Well No. 029
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 5620

10. Surface Location

UL - Lot C	Section 33	Township 29N	Range 10W	Lot Idn	Feet From 937	N/S Line N	Feet From 1785	E/W Line W	County SAN JUAN
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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 319.20	13. Joint or Infill		14. Consolidation Code			15. Order No.			

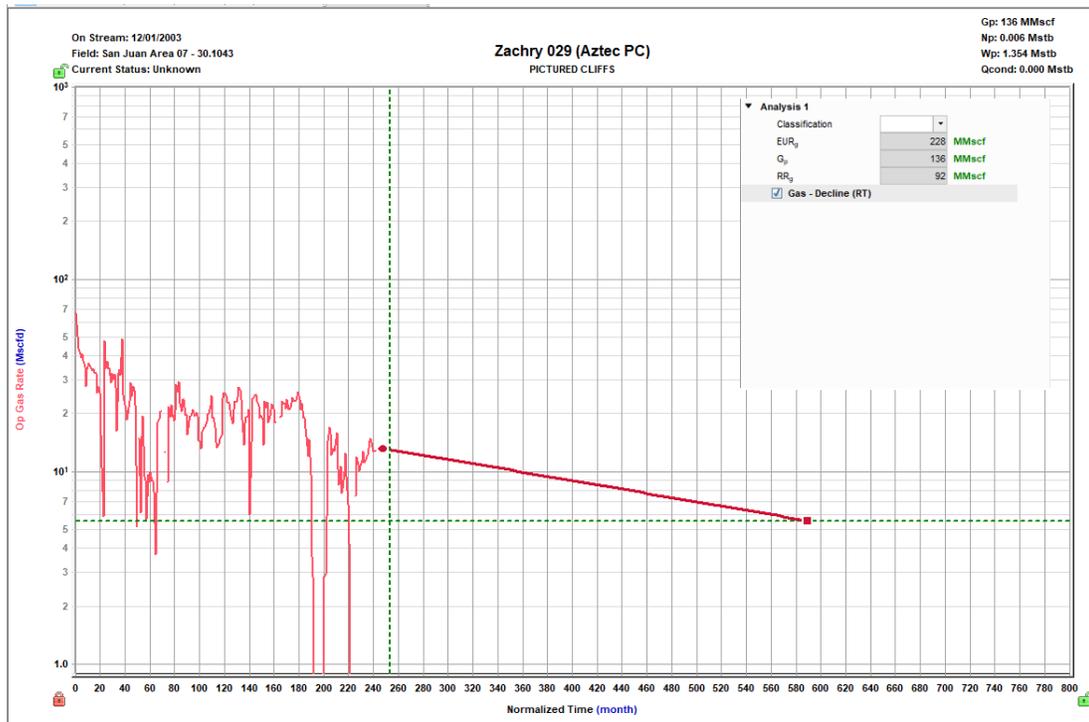
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION	
	<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: </p> <p>Title: Operations Regulatory Tech Sr. Date: 6/13/2024</p>	
	SURVEYOR CERTIFICATION	
<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: James Leese Date of Survey: 7/30/1982 Certificate Number: 1463</p>		

ZACHRY 29 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 Pictured Cliffs and the added formation to be commingled is the Fruitland Coal. The subtraction method applies an average monthly production forecast to the base formation using historic production. All production from this well exceeding the forecast will be allocated to the new formation. 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.



Oil Allocation:

Pictured Cliffs formation has never produced condensate therefore 100% condensate will be allocated to the Fruitland Coal, although it is not expected for the coal to bare condensate.

Formation	Yield (bbl/MM)	Remaining Reserves (MMcf)	% Oil Allocation
PC	0.000	92	0%
FRC	0.000	1135	100%



June 18, 2024

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

**Re: C-103 (Downhole Commingle)
Zachry 29
API No. 30-045-25503
C-33, T29N-R10W
San Juan County, NM**

Gentlemen:

Concerning Hilcorp Energy Company's C-103 application to downhole commingle production in the subject well, this letter serves to confirm the following:

All working, royalty and overriding royalty interests are identical between the Aztec Pictured Cliffs (Pool Code: 71280) and Basin Fruitland Coal (Pool Code: 71629) in the spacing units dedicated to these formations. Therefore, no notice to interest owners is required.

The spacing units attributable to these formations are comprised of a Federal Lease. Therefore, pursuant to Subsection C.(1) of 19.15.12.11 NMAC, written notice has been sent to the Bureau of Land Management as of the date of this letter.

If you have any questions or concerns, please contact the undersigned using the information provided below.

Sincerely,

By: HILCORP ENERGY COMPANY,
Its General Partner

A handwritten signature in blue ink, appearing to read 'Carson Parker Rice'.

Carson Parker Rice
Landman – San Juan Basin
Hilcorp Energy Company
1111 Travis Street
Houston, Texas 77002
713-757-7108 Direct
Email: carice@hilcorp.com

From: [Mandi Walker](#)
To: [McClure, Dean, EMNRD](#)
Subject: RE: [EXTERNAL] Application ID: 355296; 30-045-25503 ZACHRY #029
Date: Wednesday, June 26, 2024 10:28:45 AM
Attachments: [Zachry 29_DHC Revised Packet.pdf](#)

Good morning Dean, I have refiled the revised NOI, the new action id is 357742.

I am also attaching the revised DHC packet to show the updated perf range, can you please replace the entire packet with the attached? The action id for the DHC is 356513.

Please let me know if you need anything from me.

Thank you,

Mandi Walker

SJE/SJN (1,2,7) Regulatory Technician Sr.

Office: 346.237.2177

mwalker@hilcorp.com

From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Sent: Tuesday, June 25, 2024 10:42 AM
To: Mandi Walker <mwalker@hilcorp.com>; Cheryl Weston <cweston@hilcorp.com>
Subject: [EXTERNAL] Application ID: 355296; 30-045-25503 ZACHRY #029

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

Mandi,

I am reviewing the C-103E referenced in the subject line of this email. Please review Hilcorp's proposed top perforation for the FLC pool. Hilcorp is proposing a top of 1670', but based upon the logs for this well, it appears that the top of the pool may occur at 1685'. Please provide additional information regarding why Hilcorp made its current pick.

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

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CONDITIONS
 Action 356513

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 356513
	Action Type: [C-107] Down Hole Commingle (C-107A)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	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.	6/26/2024
dmcclure	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.	6/26/2024
dmcclure	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.	6/26/2024
dmcclure	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.	6/26/2024