

Well Name: SAN JUAN 28-6 UNIT	Well Location: T28N / R6W / SEC 16 / NWSE / 36.658234 / -107.468842	County or Parish/State: RIO ARRIBA / NM
Well Number: 48A	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF079192	Unit or CA Name: SAN JUAN 28-6 UNIT--MV	Unit or CA Number: NMNM78412A
US Well Number: 3003921872	Operator: HILCORP ENERGY COMPANY	

Notice of Intent

Sundry ID: 2795608

Type of Submission: Notice of Intent

Type of Action: Recompletion

Date Sundry Submitted: 06/17/2024

Time Sundry Submitted: 09:58

Date proposed operation will begin: 06/20/2024

Procedure Description: Revised NOI: Hilcorp Energy Company requests permission to recomplete the subject well in the Fruitland Coal formation and downhole commingle with the existing Mesaverde formation. Please see the attached procedure, current and proposed wellbore diagram, plat and natural gas management plan. A closed loop system will be used. Hilcorp will contact the FFO Surface group within 90 days after the well has been recompleted, before any interim reclamation work, to conduct the onsite. A reclamation plan will be submitted after the onsite. **Revised perf range: 3,174' - 3,413'.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

San_Juan_28_6_Unit_48A_FRC_NOI_20240617095659.pdf

Well Name: SAN JUAN 28-6 UNIT

Well Location: T28N / R6W / SEC 16 /
NWSE / 36.658234 / -107.468842

County or Parish/State: RIO
ARRIBA / NM

Well Number: 48A

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMSF079192

Unit or CA Name: SAN JUAN 28-6
UNIT--MV

Unit or CA Number:
NMNM78412A

US Well Number: 3003921872

Operator: HILCORP ENERGY
COMPANY

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: CHERYLENE WESTON

Signed on: JUN 17, 2024 09:57 AM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Tech - Sr

Street Address: 1111 TRAVIS STREET

City: HOUSTON

State: TX

Phone: (713) 289-2615

Email address: CWESTON@HILCORP.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

Disposition: Approved

Disposition Date: 06/17/2024

Signature: Matthew Kade



HILCORP ENERGY COMPANY
San Juan 28-6 Unit 48A
RECOMPLETION SUNDRY

Prepared by:	Bennett Vaughn
Preparation Date:	February 14, 2024

WELL INFORMATION			
Well Name:	San Juan 28-6 Unit 48A	State:	NM
API #:	3003921872	County:	Rio Arriba
Area:	13	Location:	
Route:	1303	Latitude:	36.65823
Spud Date:	May 12, 1979	Longitude:	-107.46884

PROJECT DESCRIPTION
Perforate, fracture, and commingle the Fruitland Coal with the existing Mesa Verde Zone

CONTACTS			
Title	Name	Office Phone #	Cell Phone #
Engineer	Bennett Vaughn	#N/A	281-409-5066
Area Foreman	Jeremy Brooks	#N/A	505-947-3867
Lead	#N/A	#N/A	#N/A
Artificial Lift Tech	#N/A	#N/A	#N/A
Operator		NONE	



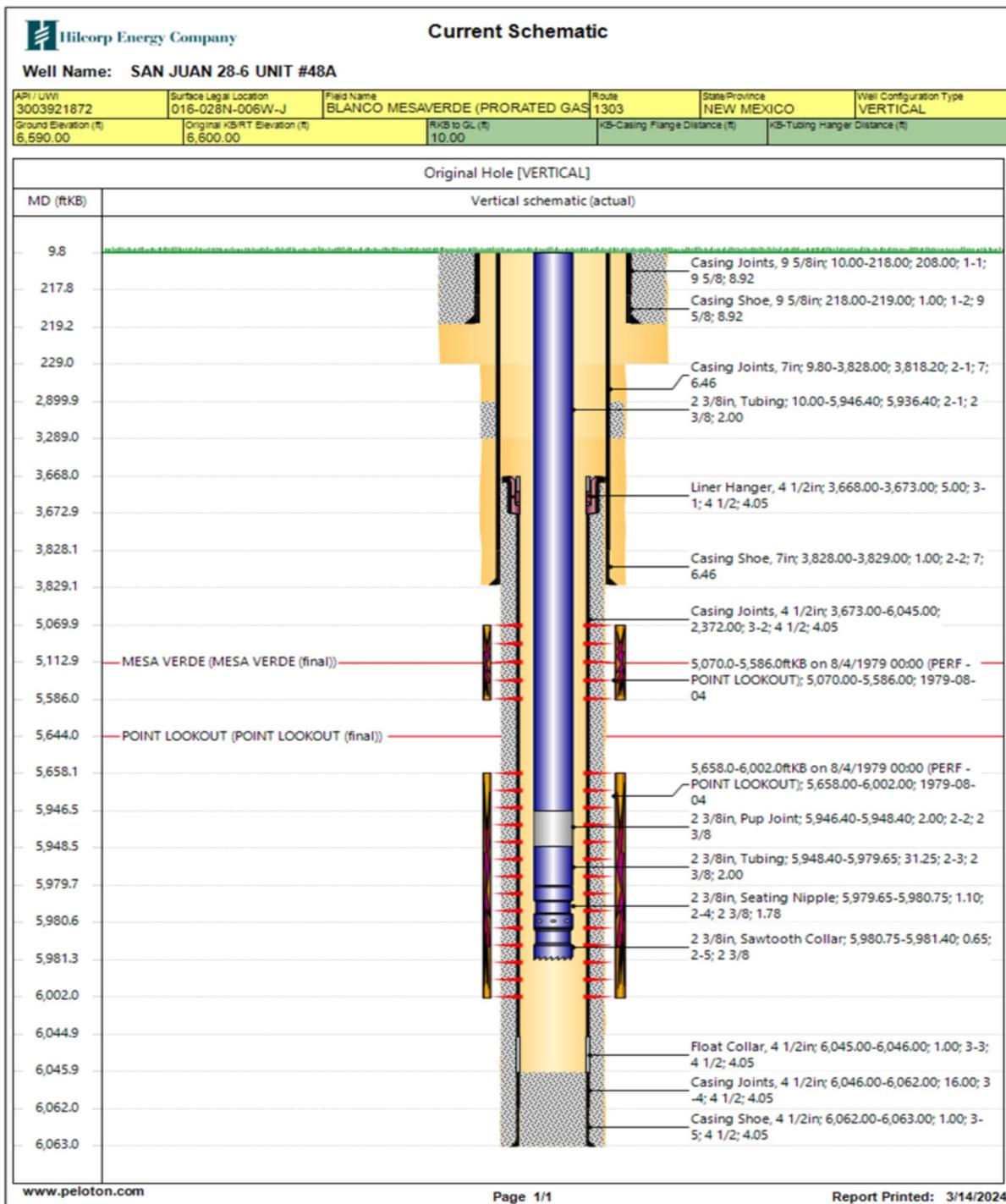
HILCORP ENERGY COMPANY
San Juan 28-6 Unit 48A
RECOMPLETION SUNDRY

JOB PROCEDURES
<ol style="list-style-type: none"> 1. MIRU service rig and associated equipment; test BOP. 2. TOOH with 2-3/8" tubing set at 5,981'. 3. Set a 4-1/2" plug at +/- 5,039' to isolate the Mesa Verde. 4. RU Wireline. Run CBL. Record Top of Cement. 5. Load the hole and pressure test the casing. 6. N/D BOP, N/U frac stack and pressure test frac stack. 7. Perforate and frac the Fruitland Coal formations (Top Perforation @ 3,174', Bottom Perforation @ 3,413'). 8. Nipple down frac stack, nipple up BOP and test. 9. TIH with a mill and drill out top isolation plug and Fruitland Coal frac plug. 10. Clean out to Mesa Verde isolation plug. 11. Drill out Mesa Verde isolation plug and cleanout to PBSD of 6,049'. TOOH. 12. TIH and land production tubing. Get a commingled Fruitland Coal/Mesa Verde flow rate.



HILCORP ENERGY COMPANY
San Juan 28-6 Unit 48A
RECOMPLETION SUNDRY

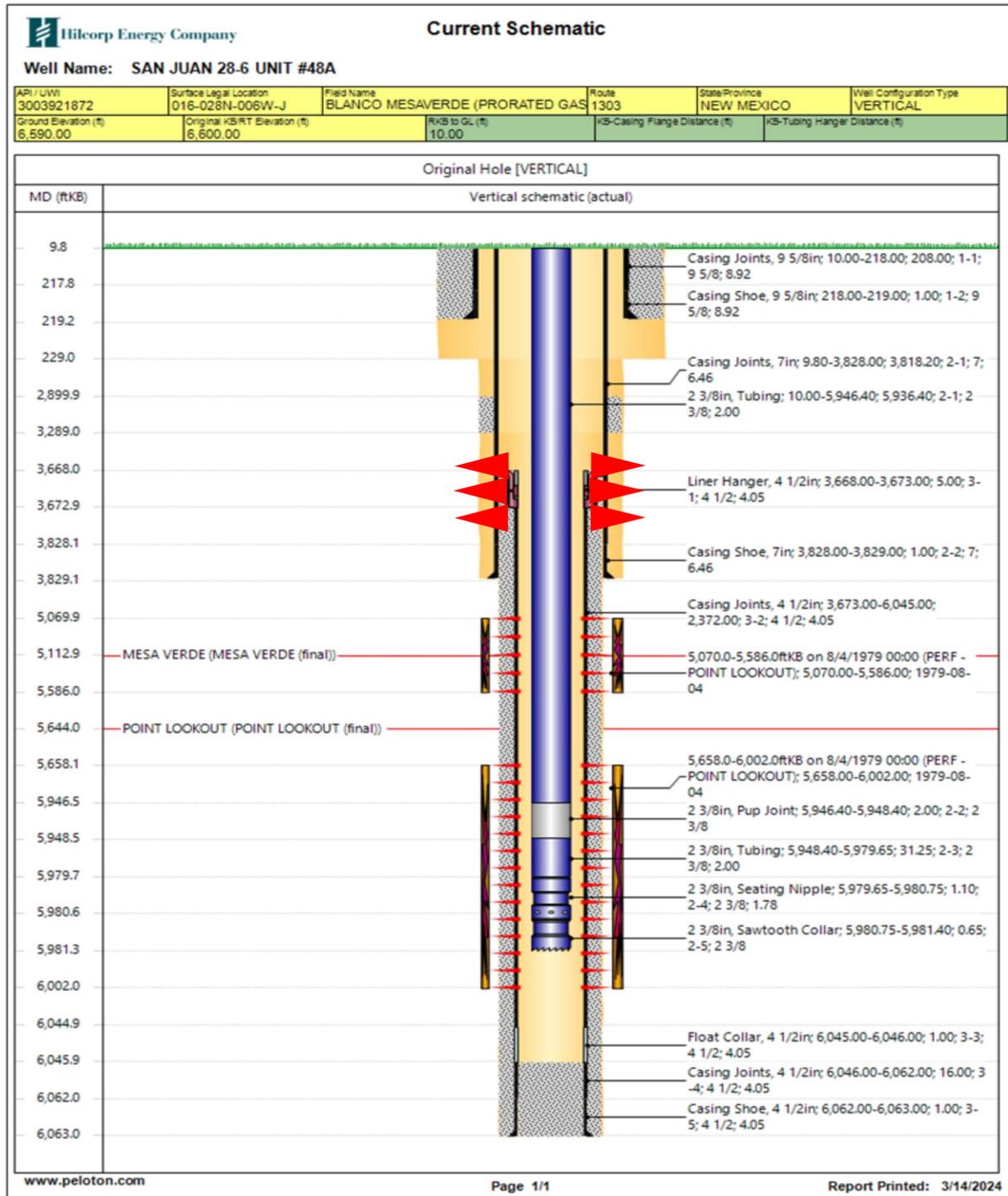
San Juan 28-6 Unit 48A - CURRENT WELLBORE SCHEMATIC





HILCORP ENERGY COMPANY San Juan 28-6 Unit 48A RECOMPLETION SUNDRY

San Juan 28-6 Unit 48A - Proposed Schematic



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

Form C-102
August 1, 2011
Permit 360089

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-039-21872	2. Pool Code 71629	3. Pool Name BASIN FRUITLAND COAL (GAS)
4. Property Code 318710	5. Property Name SAN JUAN 28 6 UNIT	6. Well No. 048A
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6590

10. Surface Location

UL - Lot J	Section 16	Township 28N	Range 06W	Lot Idn	Feet From 1560	N/S Line S	Feet From 1740	E/W Line E	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: <i>Cherylene Weston</i> Title: Operations/Regulatory Tech-Sr. Date: 2/16/2024</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: Fred B. Kerr, Jr. Date of Survey: 7/23/1978 Certificate Number: 3950</p>
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State of New Mexico
 Energy, Minerals and Natural Resources Department

Submit Electronically
 Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

I. Operator: Hilcorp Energy Company **OGRID:** 372171 **Date:** 02 / 19 / 2024

II. Type: Original Amendment due to 19.15.27.9.D(6)(a) NMAC 19.15.27.9.D(6)(b) NMAC Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
San Juan 28-6 Unit 48A	3003921872	J-16-28N-06W	1560 FSL & 1740 FEL	0 bbl/d	350 mcf/d	1 bbl/d

IV. Central Delivery Point Name: Ignacio Processing Plant [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
<u>San Juan 28-6 Unit 48A</u>	<u>3003921872</u>					<u>2024</u>

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: Attach a complete description of Operator’s best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system will will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator does does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

Attach Operator’s plan to manage production in response to the increased line pressure.

XIV. Confidentiality: Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	<i>Cherylene Weston</i>
Printed Name:	Cherylene Weston
Title:	Operations/Regulatory Tech-Sr.
E-mail Address:	cweston@hilcorp.com
Date:	2/19/2024
Phone:	713-289-2615

OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)

Approved By:
Title:
Approval Date:
Conditions of Approval:

VI. Separation Equipment:

Hilcorp Energy Company (HEC or Operator) production facilities include separation equipment designed to efficiently separate gas from liquid phases to optimize gas capture based on projected and estimated volumes from the targeted pool of our recomplete project. HEC will utilize flowback separation equipment and production separation equipment designed and built to industry specifications after the recomplete to optimize gas capture and send gas to sales or flare based on analytical composition. HEC operates facilities that are typically one-well facilities. Production separation equipment is upgraded prior to well being completed, if determined to be undersized or inadequate. This equipment is already on-site and tied into our sales gas lines prior to the recomplete operations.

VII. Operational Practices:

1. Subsection (A) Venting and Flaring of Natural Gas
 - HEC understands the requirements of NMAC 19.15.27.8 which outlines that the venting and flaring of natural gas during drilling, completion or production operations that constitutes waste as defined in 19.15.2 are prohibited.
2. Subsection (B) Venting and Flaring during drilling operations
 - This gas capture plan isn't for a well being drilled.
3. Subsection (C) Venting and flaring during completion or recompletion
 - Flowlines will be routed for flowback fluids into a completion or storage tank and if feasible under well conditions, flare rather than vent and commence operation of a separator as soon as it is technically feasible for a separator to function.
 - At any point in the well life (completion, production, inactive) an audio, visual and olfactory inspection be performed at prescribed intervals (weekly or monthly) pursuant to Subsection D of 19.15.27.8 NMAC, to confirm that all production equipment is operating properly and there are no leaks or releases.
4. Subsection (D) Venting and flaring during production operations
 - At any point in the well life (completion, production, inactive) an audio, visual and olfactory inspection be performed at prescribed intervals (weekly or monthly) pursuant to Subsection D of 19.15.27.8 NMAC, to confirm that all production equipment is operating properly and there are no leaks or releases.
 - Monitor manual liquid unloading for wells on-site or in close proximity (<30 minutes' drive time), take reasonable actions to achieve a stabilized rate and pressure at the earliest practical time, and take reasonable actions to minimize venting to the maximum extent practicable.
 - HEC will not vent or flare except during the approved activities listed in NMAC 19.15.27.8 (D) 1-4.
5. Subsection (E) Performance standards
 - All tanks and separation equipment are designed for maximum throughput and pressure to minimize waste.
 - If a flare is utilized during production operations it will have a continuous pilot and is located more than 100 feet from any known well or storage tanks.
 - At any point in the well life (completion, production, inactive) an audio, visual and olfactory inspection be performed at prescribed intervals (weekly or monthly) pursuant to Subsection D of 19.15.27.8 NMAC, to confirm that all production equipment is operating properly and there are no leaks or releases.

6. Subsection (F) Measurement or estimation of vented and flared natural gas
 - o Measurement equipment is installed to measure the volume of natural gas flared from process piping.
 - o When measurement isn't practicable, estimation of vented and flared natural gas will be completed as noted in 19.15.27.8 (F) 5-6.

VIII. Best Management Practices:

1. Operator has adequate storage and takeaway capacity for wells it chooses to recomplete as the flowlines at the sites are already in place and tied into a gathering system.
2. Operator will flare rather than vent vessel blowdown gas when technically feasible during active and/or planned maintenance to equipment on-site.
3. Operator combusts natural gas that would otherwise be vented or flared, when technically feasible.
4. Operator will shut in wells in the event of a takeaway disruption, emergency situation, or other operations where venting or flaring may occur due to equipment failures.

From: [Cheryl Weston](#)
To: [McClure, Dean, EMNRD](#); [Lowe, Leonard, EMNRD](#); [Wrinkle, Justin, EMNRD](#)
Subject: RE: [EXTERNAL] Application ID: 323441; 30-039-21872 SAN JUAN 28 6 UNIT #048A
Date: Thursday, June 27, 2024 9:53:51 AM
Attachments: [San Juan 28-6 Unit 48A DHC C-107A.pdf](#)

Dean,

Hilcorp would like the revised NOI (Action ID 355161) approved, as well the DHC. Please replace the original DHC submitted (Action ID 341636) with the attached copy. It was updated to reflect the revised FRC perf range (3174' – 3413').

Thanks,
Cheryl

From: Cheryl Weston
Sent: Friday, June 21, 2024 4:23 PM
To: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>; Lowe, Leonard, EMNRD <Leonard.Lowe@emnrd.nm.gov>; Wrinkle, Justin, EMNRD <justin.wrinkle@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Application ID: 323441; 30-039-21872 SAN JUAN 28 6 UNIT #048A

Dean,

This well was added to the July Frac schedule and the DHC was added to the expedited commingle workbook as well.

Would you please review this for approval? Let me know if you have any questions or need additional information.

Thanks,
Cheryl

From: Cheryl Weston <cweston@hilcorp.com>
Sent: Monday, June 17, 2024 3:35 PM
To: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>; Lowe, Leonard, EMNRD <Leonard.Lowe@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Application ID: 323441; 30-039-21872 SAN JUAN 28 6 UNIT #048A

Dean,

The Recomplete NOI was re-submitted on **Action ID 355161**. The FRC perms were revised to 3174' - 3413'.

Thanks,

Cheryl

From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Sent: Monday, April 15, 2024 6:56 PM
To: Cheryl Weston <cweston@hilcorp.com>; Mandi Walker <mwalker@hilcorp.com>
Subject: [EXTERNAL] Application ID: 323441; 30-039-21872 SAN JUAN 28 6 UNIT #048A

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

Cheryl,

I am reviewing the C-103E referenced in the subject line of this email.

Hilcorp is proposing a perforation range of 3126' to 3445' for the 30-039-21872 SAN JUAN 28 6 UNIT #048A. However, the 30-039-25041 SAN JUAN 28 6 UNIT #441 has the FLC pool picked from 3325' to 3564' which if no Dip is assumed would translate to ~3174' to 3413' within the 30-039-21872 SAN JUAN 28 6 UNIT #048A. Please provide additional information regarding Hilcorp's picks for the FLC and PC.

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

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 1625 N. French Dr., Hobbs, NM 88240
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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 355161

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 355161
	Action Type: [C-103] NOI Recompletion (C-103E)

CONDITIONS

Created By	Condition	Condition Date
dmcclosure	Notify NMOCD 24 Hours Prior to beginning operations.	7/1/2024
dmcclosure	DHC required	7/1/2024
dmcclosure	All conducted logs shall be submitted to the Division as a [UF-WL] EP Well Log Submission (WellLog).	7/1/2024
dmcclosure	The appropriate compliance officer supervisor shall be consulted and remedial action conducted as directed if the cement sheath around the casing is not adequate to protect the casing and isolate strata from: (a) the uppermost perforation in each added pool to at least 150 feet above that perforation; and (b) the lowermost perforation in each added pool to at least 100 feet below that perforation.	7/1/2024