U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

02/03/2022

Well Name: SAN JUAN 31-6 UNIT

Well Location: T30N / R6W / SEC 5 / SENE / 36.843933 / -107.479675

County or Parish/State: RIO ARRIBA / NM

Well Number: 49

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM03404

Unit or CA Name: SAN JUAN 31-6 UNIT--DK

Unit or CA Number: NMNM78421B

US Well Number: 3003923158

Well Status: Producing Gas Well

Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2655513

Type of Submission: Notice of Intent

Type of Action: Recompletion

Date Sundry Submitted: 02/03/2022

Time Sundry Submitted: 09:59

Date proposed operation will begin: 04/01/2022

Procedure Description: Hilcorp Energy Company requests permission to recomplete the subject well in the Mesaverde formation and downhole commingle with the existing Dakota formation. Please see the attached procedure, current and proposed wellbore diagram, plat and natural gas management plan. A closed loop system will be used. A pre-reclamation site visit was held on 05/25/2021 with Bob Switzer/BLM. The reclamation plan is attached.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

SJ_31_6_Unit_49_Recomplete_NOI_20220203095932.pdf

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Operator: HILCORP ENERGY COMPANY

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: AMANDA WALKER

Signed on: FEB 03, 2022 09:59 AM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Technician

Street Address: 1111 TRAVIS ST.

City: HOUSTON **State:** TX

Phone: (346) 237-2177

Email address: mwalker@hilcorp.com

Field Representative

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 02/03/2022

Signature: Kenneth Rennick

HILCORP ENERGY COMPANY
San Juan 31-6 unit 49
MESA VERDE RECOMPLETION SUNDRY

JOB PROCEDURES

1. MIRU service rig and associated equipment; NU and test BOP.
2. TOOH with **2-3/8"** tubing set at 7889**'**.
3. Set a **4-1/2"** plug at +/- **7820'** to isolate the **Dakota**. (Note: TOC at 4846**'** by **WBD**)
4. Load the hole and perform MIT (Pressure test to **560 psi**). Notifiy NMOCD and BLM +/-24hr prior to testing (and in the event of a failed test).
5. RU wireline. Run CBL. Record top of cement. Send to Houston for evaluation.
6. (If needed) Perforate holes in 4-1/2" based on CBL results and squeeze MV to set cement behind casing at MV completion location. Drill out cement and evaluate placement.
7. Set a **4-1/2"** plug at approximately +/- **6140'** (or 50' below bottom MV perf. Setting depth based on CBL and squeeze results).
8. Load the hole and pressure test the casing. Utilize frac string if indications are present that casing should not be exposed to completion pressures.
9. N/D BOP, N/U frac stack and pressure test frac stack.
10. Perforate and frac the **Mesaverde** formation (Top Perforation @ **5056'**; Bottom Perforation @ **6090'**).
11. If needed, isolate frac stages with a plug.
12. Flowback welll/set plug above MV for rig drillout. Nipple down frac stack, nipple up BOP and test.
13. TIH with a mill and drill out any plugs above the **Dakota** isolation plug & flow test the Mesa Verde if sustained flow is possible.
14. Clean out to **Dakota** isolation plug.
15. Drill out **Dakota** isolation plug and cleanout to PBTD of **7,930'**. TOOH.
16. TIH and land production tubing. Get a commingled **Dakota/Mesaverde** flow rate.

Hilcorp Energy Company

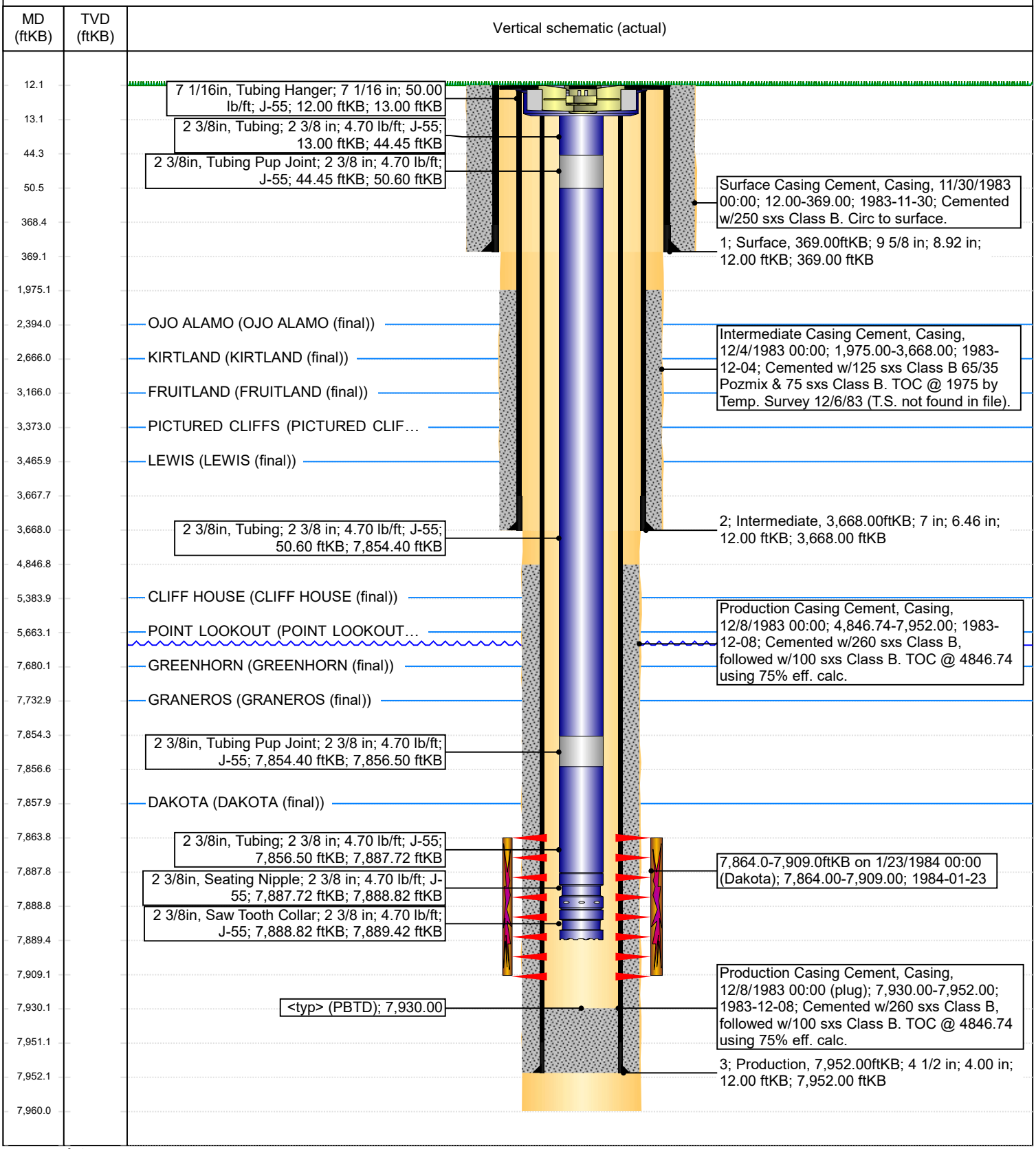
Current Schematic

Well Name: SAN JUAN 31-6 UNIT #49

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3003923158	005-030N-006W-H	DK	1104	NEW MEXICO	Vertical

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
6,461.00	6,473.00	12.00		

Original Hole [Vertical]



Hilcorp Energy Company

WBD Proposed

Well Name: SAN JUAN 31-6 UNIT #49

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3003923158	005-030N-006W-H	DK		NEW MEXICO	Vertical
Ground Elevation (ft)	**Casing Flange Elevation (ft)**	**KB-Ground Distance (ft)**	**KB-Casing Flange Distance (ft)**	**Original Spud Date**	**Rig Release Date**
6,461.00		12.00		11/30/1983 00:00	12/9/1983 00:00

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Actual Start Date	End Date
Expense Workover	TUBING REPAIR		1/24/2020	1/28/2020

Original Hole [Vertical]

MD (ftKB)	TVD (ftKB)	Vertical schematic (proposed)
12.1		
13.1		
44.3		
50.5		
368.4		
369.1		
1,975.1		
2,394.0		
2,666.0		
3,166.0		
3,373.0		
3,465.9		
3,667.7		
3,668.0		
4,846.8		
5,056.1		
5,383.9		
5,663.1		
6,089.9		
7,680.1		
7,732.9		
7,854.3		
7,856.6		
7,857.9		
7,863.8		
7,887.8		
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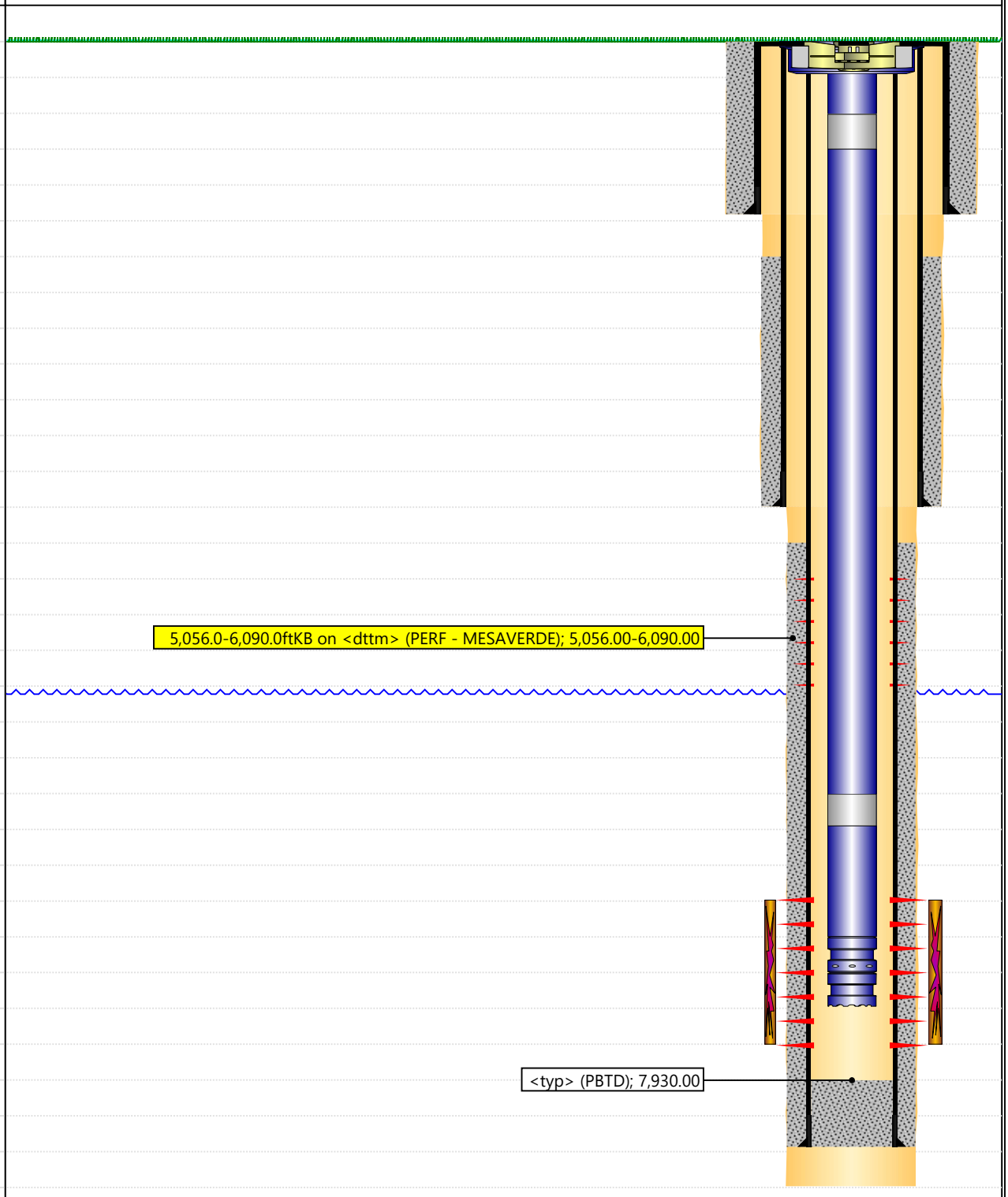
7,930.1		
7,951.1		
7,952.1		
7,960.0		



District I
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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 296437

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-039-23158	72319	BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code	**5. Property Name**	**6. Well No.**
318839	SAN JUAN 31 6 UNIT	049
7. OGRID No.	**8. Operator Name**	**9. Elevation**
372171	HILCORP ENERGY COMPANY	6461

10. Surface Location

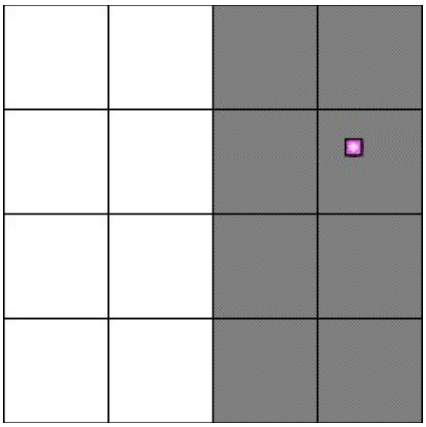
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	5	30N	06W		1780	N	880	E	RIO ARRIBA

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	13. Joint or Infill	14. Consolidation Code	15. Order No.
319.67 E/2			

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

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.

E-Signed By: Kandis Roland
Title: Regulatory Tech
Date: 5/20/2021

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.

Surveyed By: Fred B Kerr Jr.
Date of Survey: 10/15/1982
Certificate Number: 3950

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:** 02/03/2022

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
SJ 31-6 Unit 49	3003923158	H, 05, 30N, 06W	1780 FNL & 880 FEL	0.2	600	5

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
SJ 31-6 Unit 49	**3003923158**	**N/A**	**N/A**	**N/A**	**N/A**	**2022**

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 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: 
Printed Name: Amanda Walker
Title: Operations/Regulatory Tech Sr.
E-mail Address: mwalker@hilcorp.com
Date: 02/03/2022
Phone: 346.237.2177

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
   - Measurement equipment is installed to measure the volume of natural gas flared from process piping.
   - 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.

Hilcorp Energy
Recomplete Reclamation Plan
SAN JUAN 31-6 UNIT 49
API: 30-039-23158
T30N-R6W-Sec.05-H
LAT: 36.84388 LONG: -107.48023 (NAD 27)
Footage: 1780' FNL & 880' FEL
Rio Arriba County, NM

1. **PRE- RECLAMATION SITE INSPECTION**

   A pre-reclamation site inspection was completed with Bob Switzer from the BLM and Travis Munkres Hilcorp Energy SJ East Construction Foreman on May 25, 2021.

2. **LOCATION RECLAMATION PROCEDURE**

   1. Reclamation work will begin in fall/ early winter time period.
   2. All trash and debris will be removed within a 25’ buffer outside of the location disturbance during reclamation.
   3. Reclaim/ reseed all disturbed areas being used for recompletion activities.
   4. Move excess gravel to the roadway and spread.

3. **SEEDING PROCEDURE**

   1. A BLM Special seed mix will be used for all reclaimed and disturbed areas of the well pad and lease road.
   2. Drill seed will be done where applicable and all other disturbed areas will be broadcast seeded and harrowed. Broadcast seeding will be applied at a double the rate of seed.
   3. Timing of the seeding will be when the ground is not frozen or saturated.

4. **WEED MANAGEMENT**

   1. No action is required at this time for weed management, no noxious weeds were identified during this onsite.

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

CONDITIONS

Action 78252

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 78252
	Action Type: [C-103] NOI Recompletion (C-103E)

CONDITIONS

Created By	Condition	Condition Date
kpickford	DHC required	2/11/2022
kpickford	Notify NMOCD 24 hours before commencing operations	2/14/2022