

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: _____ **OGRID Number:** _____
Well Name: _____ **API:** _____
Pool: _____ **Pool Code:** _____

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
 A. Location – Spacing Unit – Simultaneous Dedication
 NSL NSP (PROJECT AREA) NSP (PRORATION UNIT) SD
- B. Check one only for [I] or [II]
 [I] Commingling – Storage – Measurement
 DHC CTB PLC PC OLS OLM
 [II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.
 A. Offset operators or lease holders
 B. Royalty, overriding royalty owners, revenue owners
 C. Application requires published notice
 D. Notification and/or concurrent approval by SLO
 E. Notification and/or concurrent approval by BLM
 F. Surface owner
 G. For all of the above, proof of notification or publication is attached, and/or,
 H. No notice required

FOR OCD ONLY
<input type="checkbox"/> Notice Complete
<input type="checkbox"/> Application Content Complete

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

 Print or Type Name

Date

 Signature

Phone Number

e-mail Address

District I
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised August 1, 2011

District II
811 S. First St., Artesia, NM 88210

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

APPLICATION TYPE
 Single Well
 Establish Pre-Approved Pools
EXISTING WELLBORE
 Yes No

District III
1000 Rio Brazos Road, Aztec, NM 87410

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

APPLICATION FOR DOWNHOLE COMMINGLING

Hilcorp Energy Company 382 ROAD 3100, Aztec NM 87410
Operator Address
San Juan 29-7 Unit 83A UL P – Sec. 3, T29N, R7W Rio Arriba
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 372171 Property Code 318713 API No. 30-039-25516 Lease Type: Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	BASIN FRUITLAND COAL (GAS)	LA JARA PICTURED CLIFFS	BLANCO MESAVERDE (PRORATED GAS)
Pool Code	71629	96199	72319
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3100' – 3374' - Estimated	3425'-3501'	4225'- 5913'
Method of Production (Flowing or Artificial Lift)	NEW ZONE	Artificial Lift	Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	200 psi	200 psi	1200 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1100	BTU 1150	BTU 1250
Producing, Shut-In or New Zone	NEW ZONE	PRODUCING	PRODUCING
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: N/A Rates:	Date: 9/1/2022 Rates: 845 MCF – GAS 0 BBL – Oil 0 BBL - Water	Date: 9/1/2022 Rates: 1879 MCF – GAS 0 BBL – Oil 0 BBL - Water
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas Please see attachments	Oil Gas Please see attachments	Oil Gas Please see attachments

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes No
 If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No
 Are all produced fluids from all commingled zones compatible with each other? Yes No
 Will commingling decrease the value of production? Yes No
 If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes No
 NMOCD Reference Case No. applicable to this well: R-110697

Attachments:
 C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
 Production curve for each zone for at least one year. (If not available, attach explanation.)
 For zones with no production history, estimated production rates and supporting data.
 Data to support allocation method or formula.
 Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
 Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools
 List of all operators within the proposed Pre-Approved Pools
 Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
 Bottomhole pressure data.

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

SIGNATURE Kandis Roland TITLE Operation/Regulatory Tech DATE 12/16/2022
 TYPE OR PRINT NAME Kandis Roland TELEPHONE NO. (713) 757-5246
 E-MAIL ADDRESS kroland@hilcorp.com

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

Form C-102
August 1, 2011

Permit 320872

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-039-25516	2. Pool Code 71629	3. Pool Name BASIN FRUITLAND COAL (GAS)
4. Property Code 318713	5. Property Name SAN JUAN 29 7 UNIT	6. Well No. 083A
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6520

10. Surface Location

UL - Lot P	Section 3	Township 29N	Range 07W	Lot Idn	Feet From 950	N/S Line S	Feet From 595	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 318.05 E/2	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: Kandis Roland Title: Regulatory Tech Date: 7/8/2022</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: Neale Edwards Date of Survey: 3/13/1995 Certificate Number: 6857</p>		

District I
PO Box 1548, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION RECEIVED
PO Box 2088
Santa Fe, NM 87504-2088

95 APR 25 AM 7:44 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION

' AFI Number 30-039-25516		' Pool Code 36199/72319		' Pool Name LA JARA Blanco Pictured Cliffs/Blanco Mesaverde			
' Property Code 7465		' Property Name San Juan 29-7 Unit				' Well Number 83A	
' OGRID No. 14538		' Operator Name Meridian Oil Inc.				' Elevation 6520'	

10 Surface Location

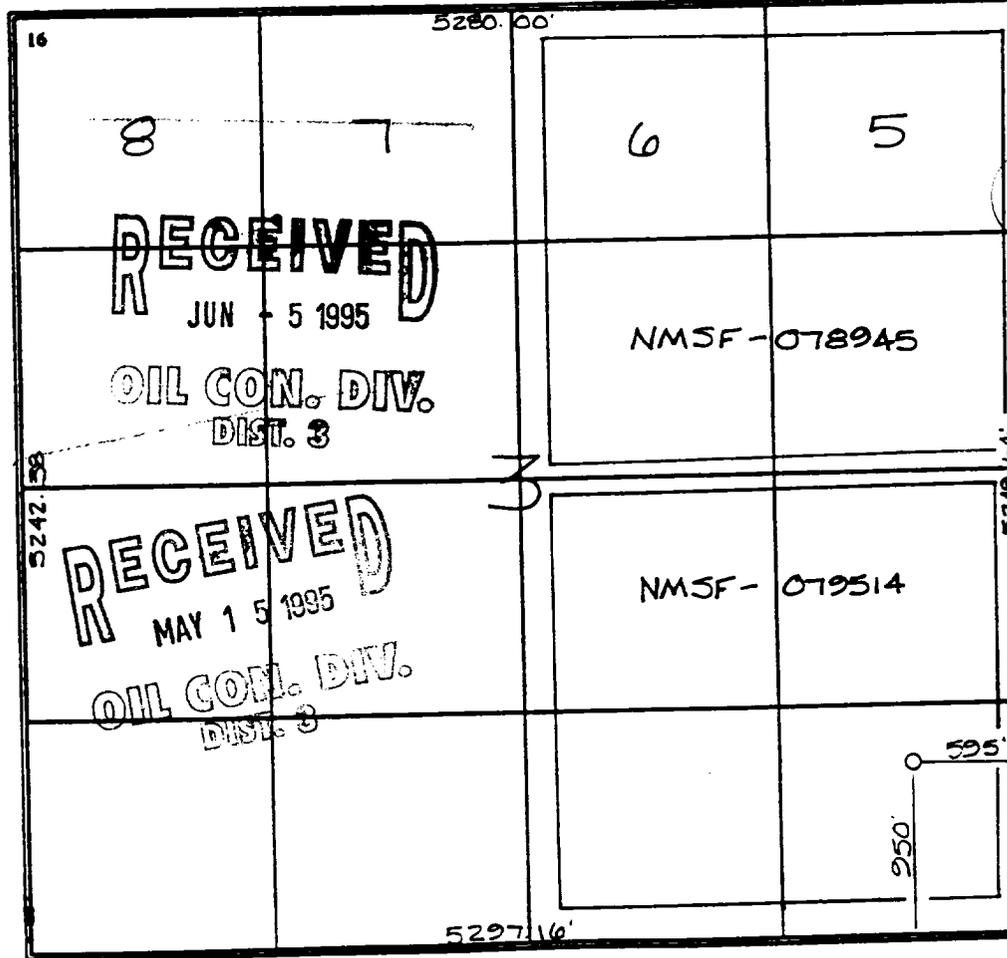
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	3	29 N	7 W		950	South	595	East	R.A.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

' Dedicated Acres E/318.05-160	' Joint or Infill	' Consolidation Code	' Order No.
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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



17 OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Peggy Bradford
Signature
Peggy Bradford
Printed Name
Regulatory Affairs
Title
4-19-95
Date

18 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.

3-13-95
Date of Survey
Signature and Title
HERB C. EDWARDS
REGISTERED SURVEYOR
8837
6837
Certificate Number

San Juan 29-7 Unit 83A

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 basinwide 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

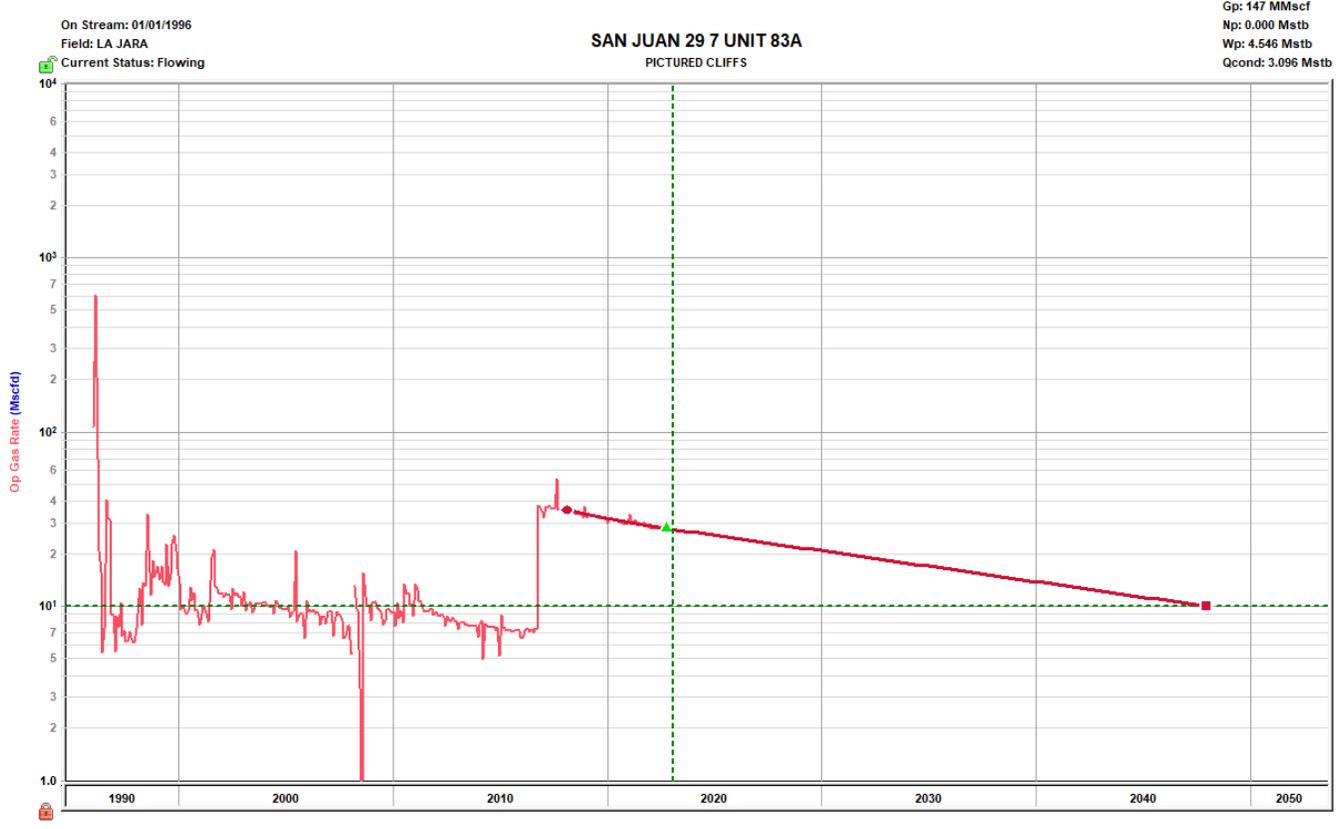
Gas Allocation:

Production for the downhole commingle will be allocated using the subtraction method in agreement with local agencies. The base formation is the Pictured Cliffs and Mesaverde and the added formations 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 base formation forecast will be allocated to the new formation.

Base Formations will continue to use a fixed rate MV 69%, PC 31% that was previously approved. Please see attached approved allocation.

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.





FC forecasted rate

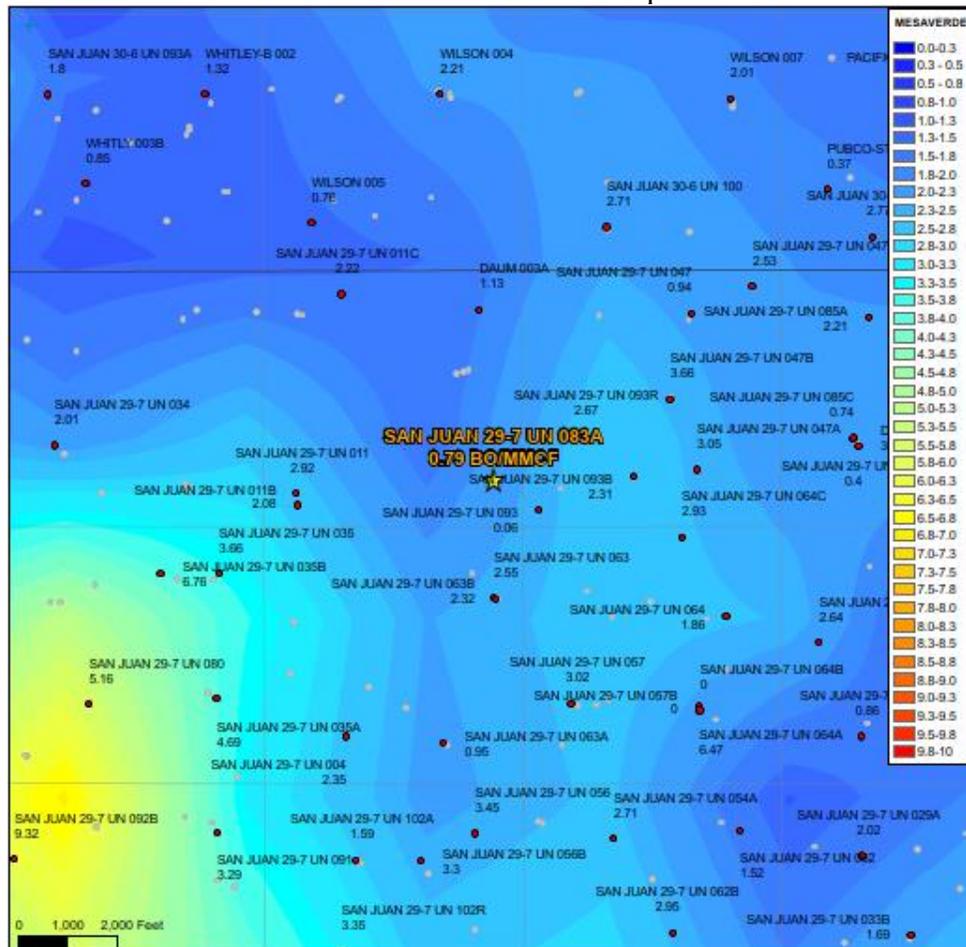


Oil Allocation:

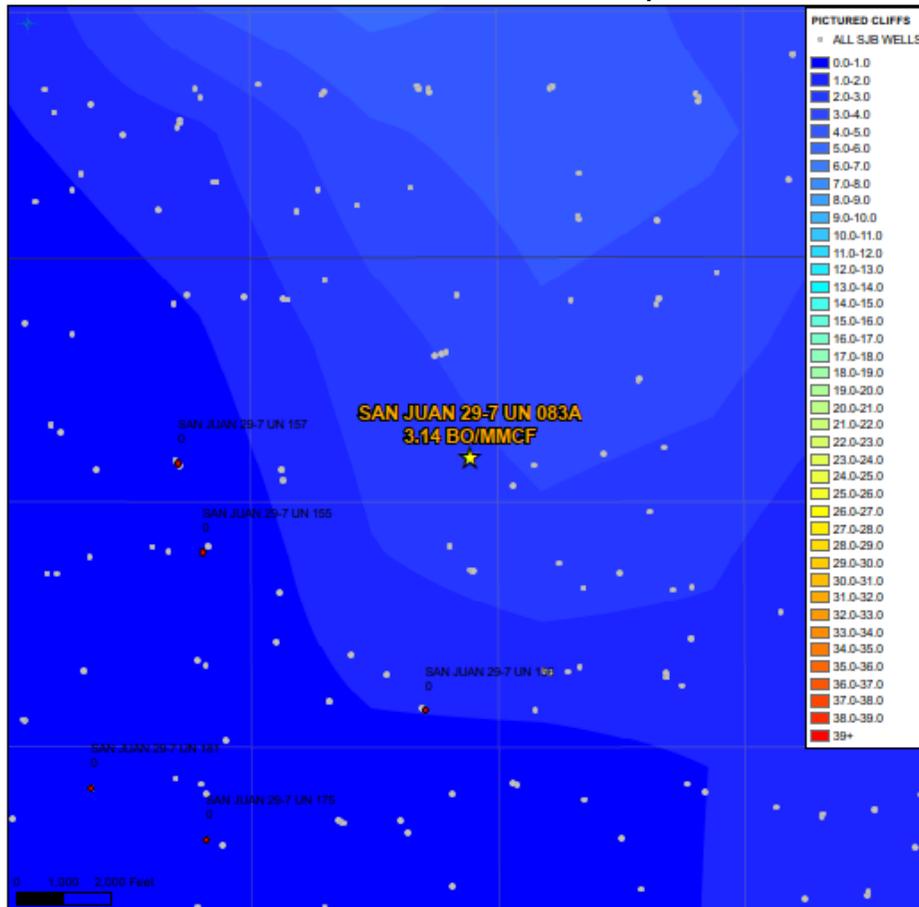
Oil production will be allocated based on average formation yields from offset wells and will be a fixed rate for 4 years. After 4 years oil will be reevaluated and adjust as needed based on average formation yields and new fixed gas allocation.

Formation	Yield (bbl/MM)	Remaining or Forecasted Reserves (MMcf)	% Oil Allocation
Mesaverde	0.79	300	26.6%
Pictured Cliffs	3.14	160	56.5%
Fruitland Coal	0.15	1000	16.9%

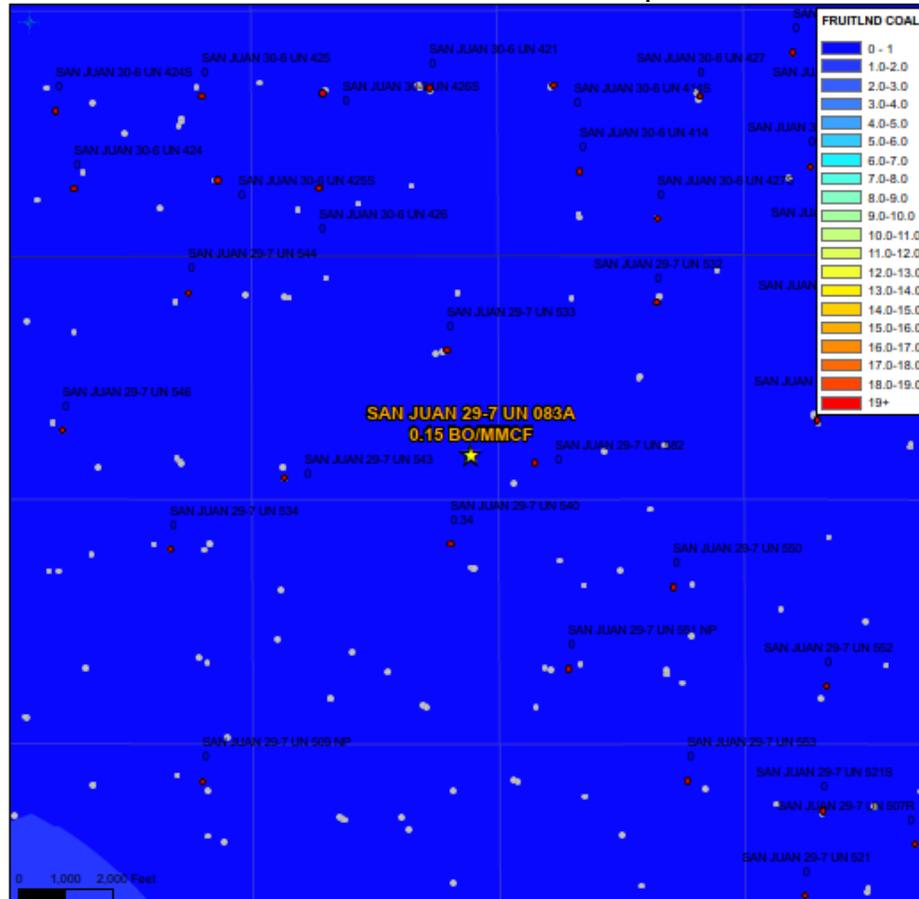
Mesaverde Oil Yield Map



Pictured Cliffs Oil Yield Map



Fruitland Coal Oil Yield Map



BURLINGTON RESOURCES

PRODUCTION ALLOCATION FORM

OIL CONS. DIV DIST. 3
DEC 15 2016

Distribution:
BLM 4 Copies
Regulatory
Accounting
Well File
Revised: March 9, 2006

Status: PRELIMINARY <input type="checkbox"/> FINAL <input checked="" type="checkbox"/> REVISED <input checked="" type="checkbox"/>																									
Commingle Type Surface <input type="checkbox"/> Downhole <input checked="" type="checkbox"/>			Date: 10/1/2016																						
Type of Completion NEW DRILL <input type="checkbox"/> RECOMPLETION <input type="checkbox"/> PAYADD <input type="checkbox"/> COMMINGLED <input checked="" type="checkbox"/>																									
API No. 30-039-25516			DHC No. DHC-2919																						
Well Name SAN JUAN 29-7 UNIT			Well No. #83A																						
Unit Letter P	Section 03	Township 029N	Range 007W	Footage 950 FSL & 595 FEL	County State Rio Arriba County, New Mexico																				
Completion Date		Test Method Historical <input checked="" type="checkbox"/> Field Test <input type="checkbox"/> Projected <input type="checkbox"/> Other <input type="checkbox"/>																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Formation</th> <th>Gas</th> <th>Percent</th> <th>Condensate</th> <th>Percent</th> </tr> </thead> <tbody> <tr> <td>PICTURED CLIFFS</td> <td></td> <td>31%</td> <td>0 BBL/MMCF</td> <td>0%</td> </tr> <tr> <td>MESAVERDE</td> <td></td> <td>69%</td> <td>3.1 BBL/MMCF</td> <td>100%</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Formation	Gas	Percent	Condensate	Percent	PICTURED CLIFFS		31%	0 BBL/MMCF	0%	MESAVERDE		69%	3.1 BBL/MMCF	100%					
Formation	Gas	Percent	Condensate	Percent																					
PICTURED CLIFFS		31%	0 BBL/MMCF	0%																					
MESAVERDE		69%	3.1 BBL/MMCF	100%																					
Justification of Allocation: Current allocation factors are not documented. This allocation serves to confirm and document production allocation factors from the original subtraction allocation. *Corrected DHC order																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Approved By</th> <th>Date</th> <th>Title</th> <th>Phone</th> </tr> </thead> <tbody> <tr> <td>X <i>Ephraim Schofield</i></td> <td>11-18-16</td> <td>Engineer ConocoPhillips</td> <td>505-326-9826</td> </tr> <tr> <td>X <i>Joe Hewitt</i></td> <td>12-8-16</td> <td>Geo</td> <td>564-7748</td> </tr> </tbody> </table>						Approved By	Date	Title	Phone	X <i>Ephraim Schofield</i>	11-18-16	Engineer ConocoPhillips	505-326-9826	X <i>Joe Hewitt</i>	12-8-16	Geo	564-7748								
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X <i>Joe Hewitt</i>	12-8-16	Geo	564-7748																						

NMOCD



December 16, 2022

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

**Re: C-107A (Downhole Commingle)
San Juan 29-7 Unit 83A
API No. 30-039-25516
Section 3, T29N-R07W
Rio Arriba County, NM**

Concerning Hilcorp Energy Company's C-107A application to downhole commingle production in the subject well, this letter serves to confirm the following:

Interest is not common between the formations listed below:

- *Basin Fruitland Coal (Pool Code: 71629)*
- *La Jara Pictured Cliffs (Pool Code: 96199)*
- *Blanco Mesaverde (Pool Code: 72319)*

Order No. R-10697 waives the notice requirement and thus no notices will be sent.

The subject well is located within the bounds of a Federal Unit. 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

Well Name: SAN JUAN 29-7 UNIT	Well Location: T29N / R7W / SEC 3 / SESE / 36.75055 / -107.55098	County or Parish/State: RIO ARRIBA / NM
Well Number: 83A	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF079514	Unit or CA Name: SAN JUAN 29-7 UNIT--MV, SJ 29-7	Unit or CA Number: NMNM78417A, NMNM95710
US Well Number: 3003925516	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2680985

Type of Submission: Notice of Intent

Type of Action: Recompletion

Date Sundry Submitted: 07/08/2022

Time Sundry Submitted: 12:47

Date proposed operation will begin: 07/29/2022

Procedure Description: Hilcorp Energy Company requests permission to recomplate the subject well in the Fruitland Coal and downhole commingle with the existing Mesaverde/Pictured Cliffs. 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 6/30/22 with Roger Herrera/BLM. The reclamation plan is attached.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

SJ_29_7_Unit_83A_NOI_20220708124624.pdf

NGMP_SJ_29_7_Unit_83A_20220708124547.pdf

San_Juan_29_7_83A_Reclamation_Plan_20220708124546.pdf

SJ_29_7_Unit_83A_FC_Plat_20220708124546.pdf

Well Name: SAN JUAN 29-7 UNIT

Well Location: T29N / R7W / SEC 3 / SESE / 36.75055 / -107.55098

County or Parish/State: RIO ARRIBA / NM

Well Number: 83A

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF079514

Unit or CA Name: SAN JUAN 29-7 UNIT--MV, SJ 29-7

Unit or CA Number: NMNM78417A, NMNM95710

US Well Number: 3003925516

Well Status: Producing Gas Well

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: KANDIS ROLAND

Signed on: JUL 08, 2022 12:46 PM

Name: HILCORP ENERGY COMPANY

Title: Operation Regulatory Tech

Street Address: 382 Road 3100

City: Farmington

State: NM

Phone: (505) 599-3400

Email address: kroland@hilcorp.com

Field

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: 07/11/2022

Signature: Kenneth Rennick

San Juan 29-7 Unit #83A

P – 03 – 29N – 07W 0950 FSL 0595 FEL

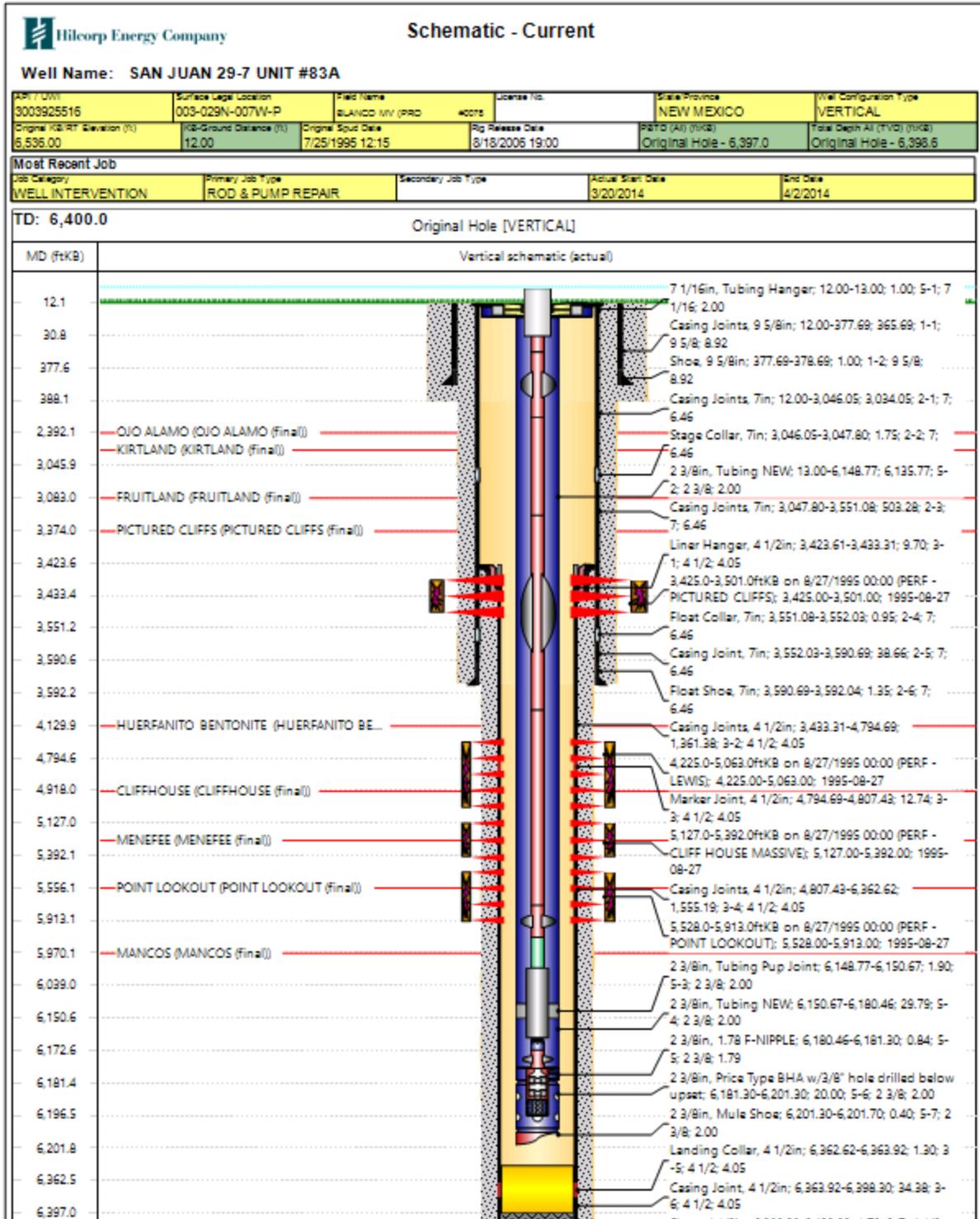
API#: 3003925516

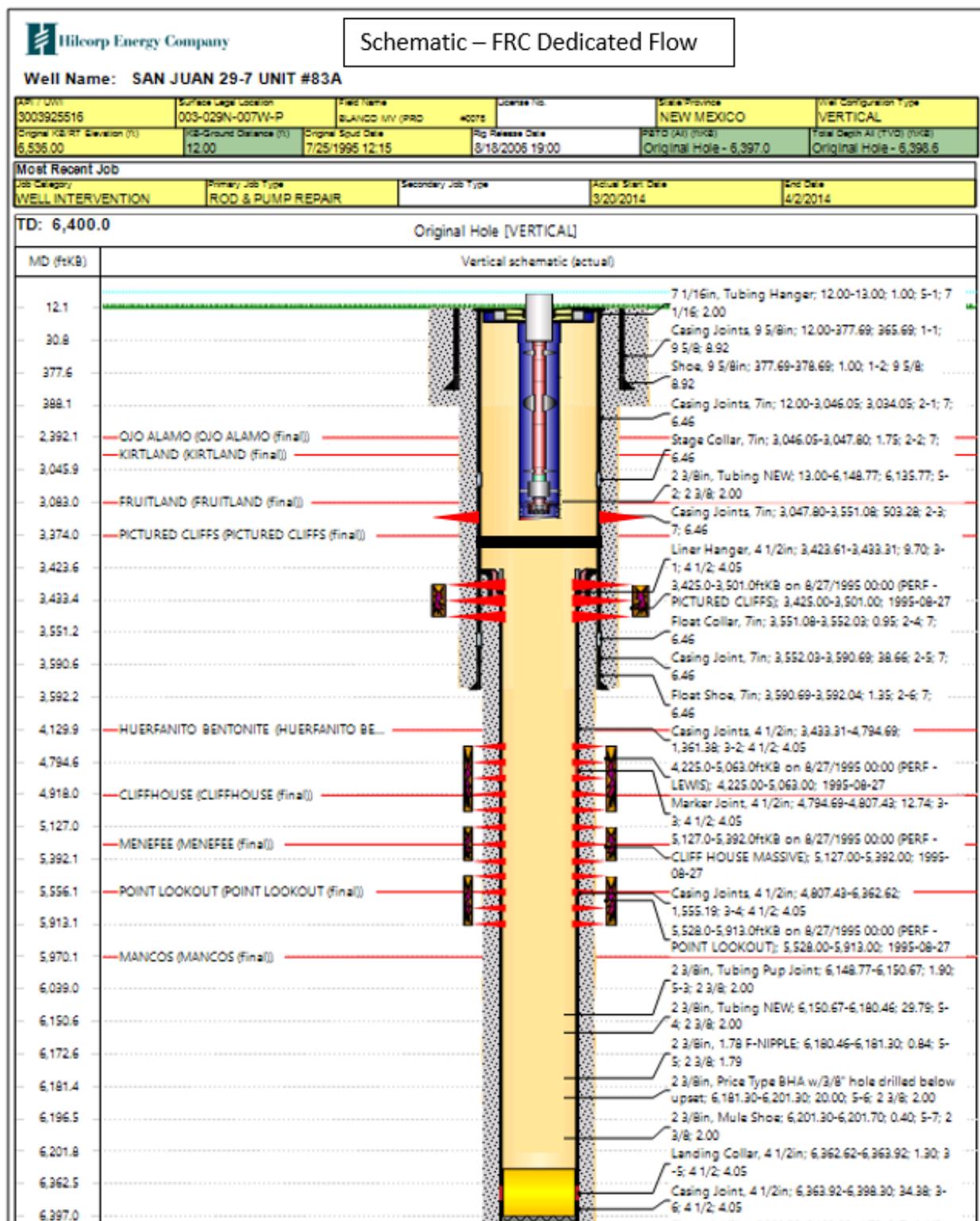
Fruitland Coal Recompletion Procedure

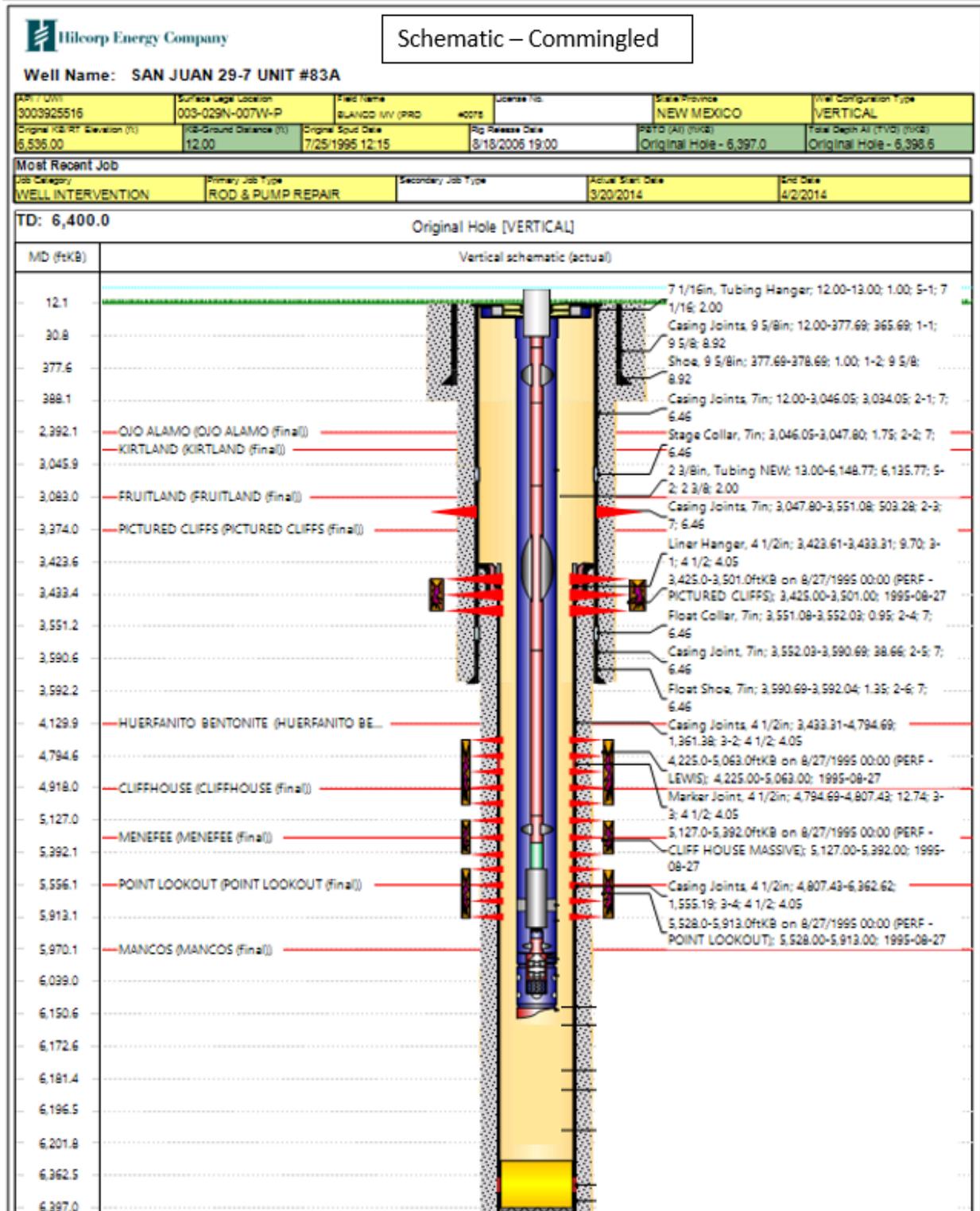
06/27/2022

Procedure:

1. MIRU service rig and associated equipment.
2. NDWH, NUBOP, TOO H with pump and rods. Scan out tubing.
3. RIH with 7" mill and scraper, tag liner top, POOH.
4. RIH with 7" CIBP, set at +/-3400' to isolate all open intervals.
 - a. CBL dated 08-14-1995 shows good cement across Fruitland coal.
5. Load the hole and conduct 500 PSI witnessed MIT.
6. Pressure test casing to maximum fracture pressure.
7. ND BOP's. NU frac stack and test same to maximum fracture pressure.
8. RDMO service rig.
9. MIRU frac spread.
10. Perforate and frac the Fruitland Coal from 3,100' to 3,374'. RDMO frac spread.
11. MIRU service rig.
12. Test BOP's.
13. PU mill and RIH to clean out sand to top of plug
14. Round trip production BHA and install sucker rod pump to dewater coal with EOT at +/- 3380'
15. Flow well as Fruitland coal only for period not to exceed six months. Surface restrictions apply to this location and rig work cannot be conducted October 1 through January 1.
16. Rig down and flow well.
17. MIRU service rig and POOH with pump equipment.
18. PU mill and RIH to clean out.
19. Drill out isolation plug and TOO H.
20. RIH mill for 4-1/2" casing and verify no plug debris. Roundtrip for production landing tubing at +/-6000'
21. RIH pump and rods and hang on horse's head.
22. ND BOP's, NU production tree.
23. RDMO service rig & turn well over to production.







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:** 7/8/2022

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
San Juan 29-7 Unit 83A	3003925516	P-3-29N-7W	950' FSL & 595' FEL	0.1	490	10

IV. Central Delivery Point Name: Chaco-Blanco 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 29-7 Unit 83A</u>	<u>3003925516</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>Not Yet Scheduled</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>Kandis Roland</i>
Printed Name: Kandis Roland
Title: Operations/Regulatory Tech Sr.
E-mail Address: kroland@hilcorp.com
Date: 7/8/22
Phone: 713-757-5246

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 recompleteness project. HEC will utilize flowback separation equipment and production separation equipment designed and built to industry specifications after the recompleteness 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 recompleteness 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 recompleteness
 - 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 29-7 83A
API: 30-039-25516
T29N-R7W-Sec.3-P
LAT: 36.75002 LONG: -107.55073
Footage: 950' FSL & 595' FEL
Rio Arriba County, NM

1. PRE- RECLAMATION SITE INSPECTION

A pre-reclamation site inspection was completed with Roger Herrera from the BLM and Eufracio Trujillo, Hilcorp Energy SJ South Construction Foreman, on June 30, 2022.

2. LOCATION RECLAMATION PROCEDURE

1. Reclamation work will begin in the fall.
2. All trash and debris will be removed within a 25' buffer outside of the location disturbance during reclamation.
3. Brush hog location and fence off area for disturbance.
4. Level off pad to accommodate for equipment.
5. Fix .2 mile stretch of road from BLM cattleguard to location.
6. Raise cattleguard and clean out culverts.
7. Put in water diversion bars where they are now.
8. Reclaim all disturbed area being used for recompletion activities.
9. Reestablish teardrop on location.
10. Reclaim areas damaged by moving crews in.

3. SEEDING PROCEDURE

1. A Pinion/Juniper seed mix will be used for all reclaimed and disturbed areas of the well pad(s) 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
 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 124179

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171 Action Number: 124179 Action Type: [C-103] NOI Recompletion (C-103E)
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CONDITIONS

Created By	Condition	Condition Date
kpickford	DHC required	7/14/2022
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	7/14/2022

San Juan 29-7 Unit #83A

P – 3 – 29N – 07W 950 FSL 595 FEL

API#: 3003925516

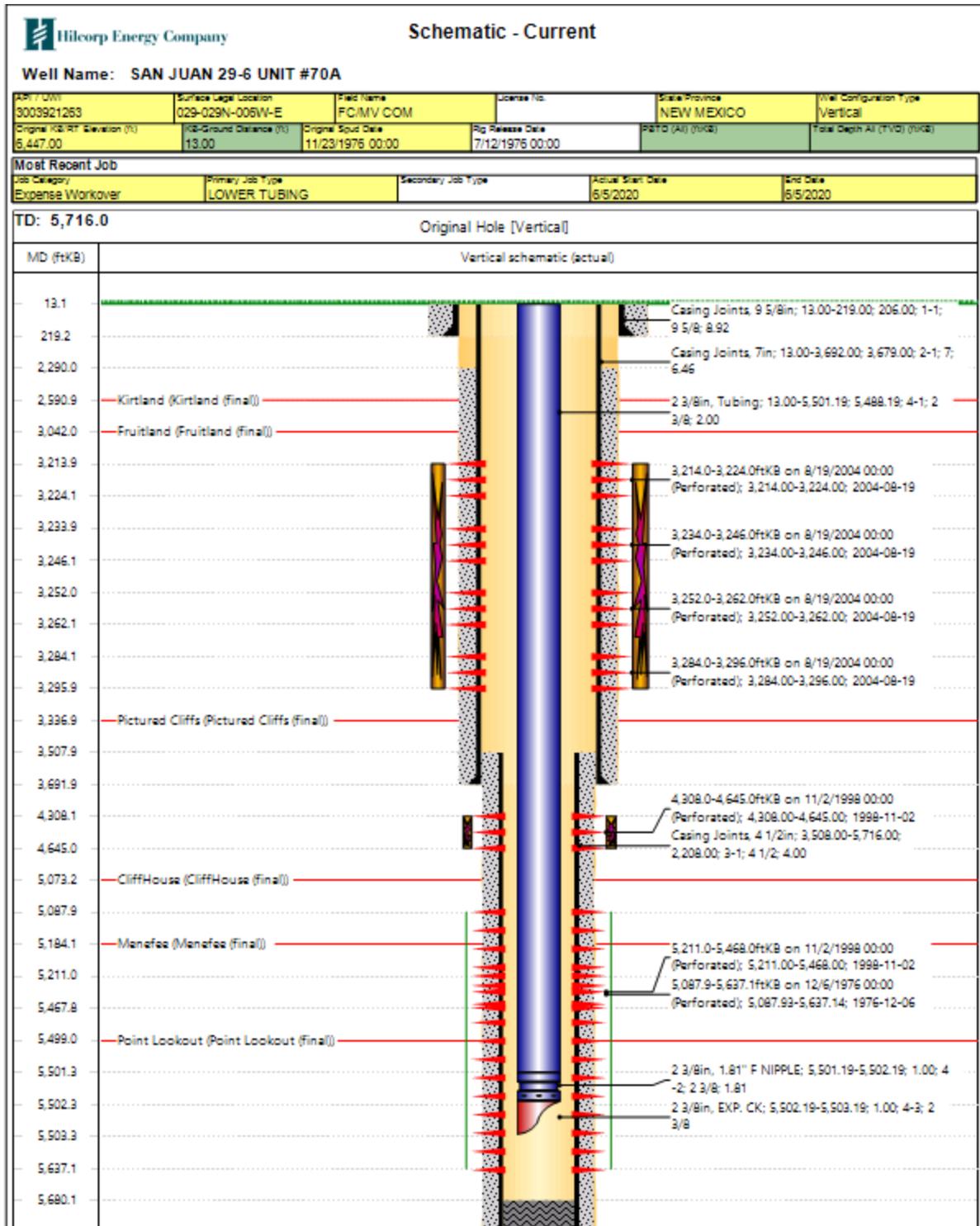
FRC Recomplete and DHC

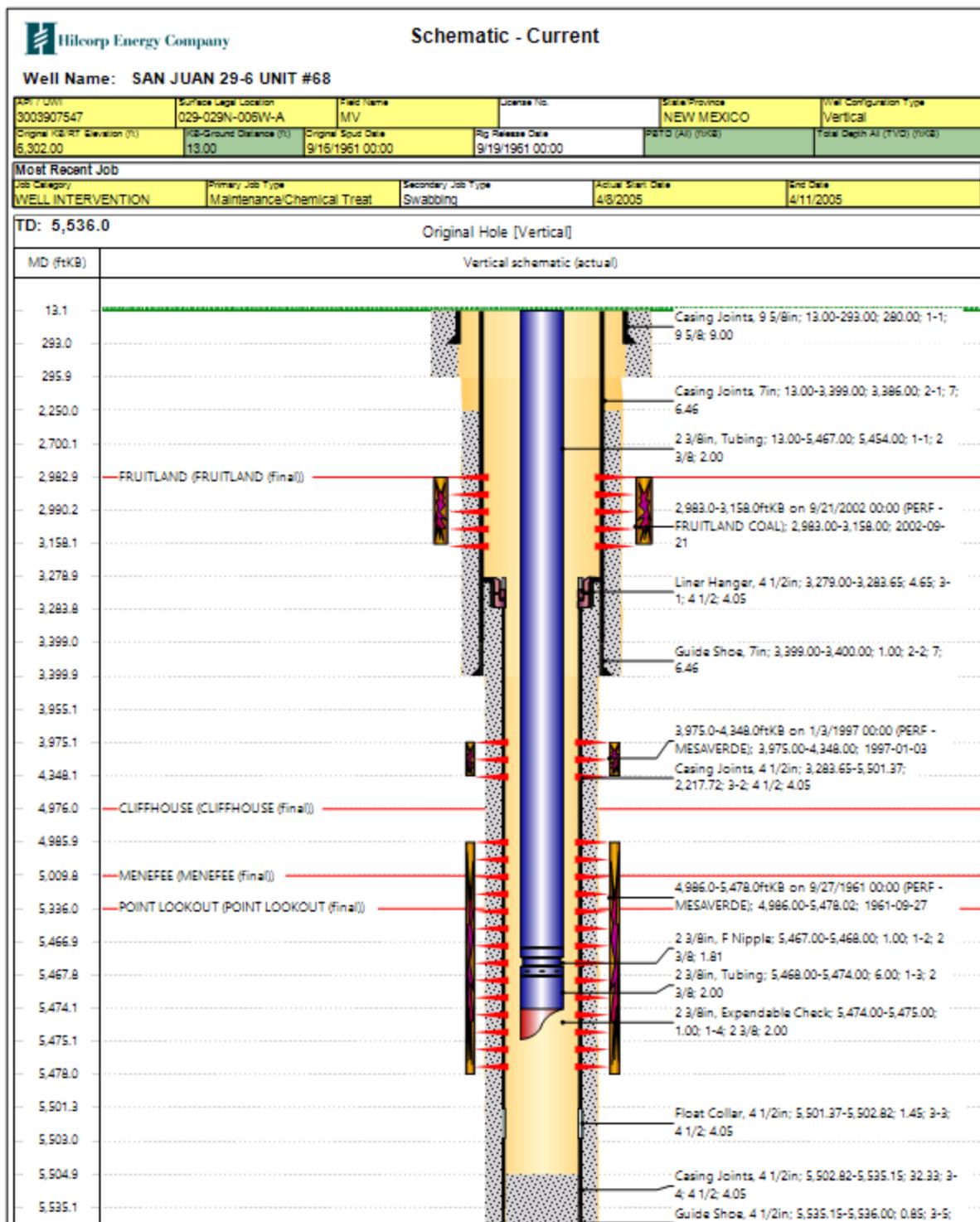
12/16/2022

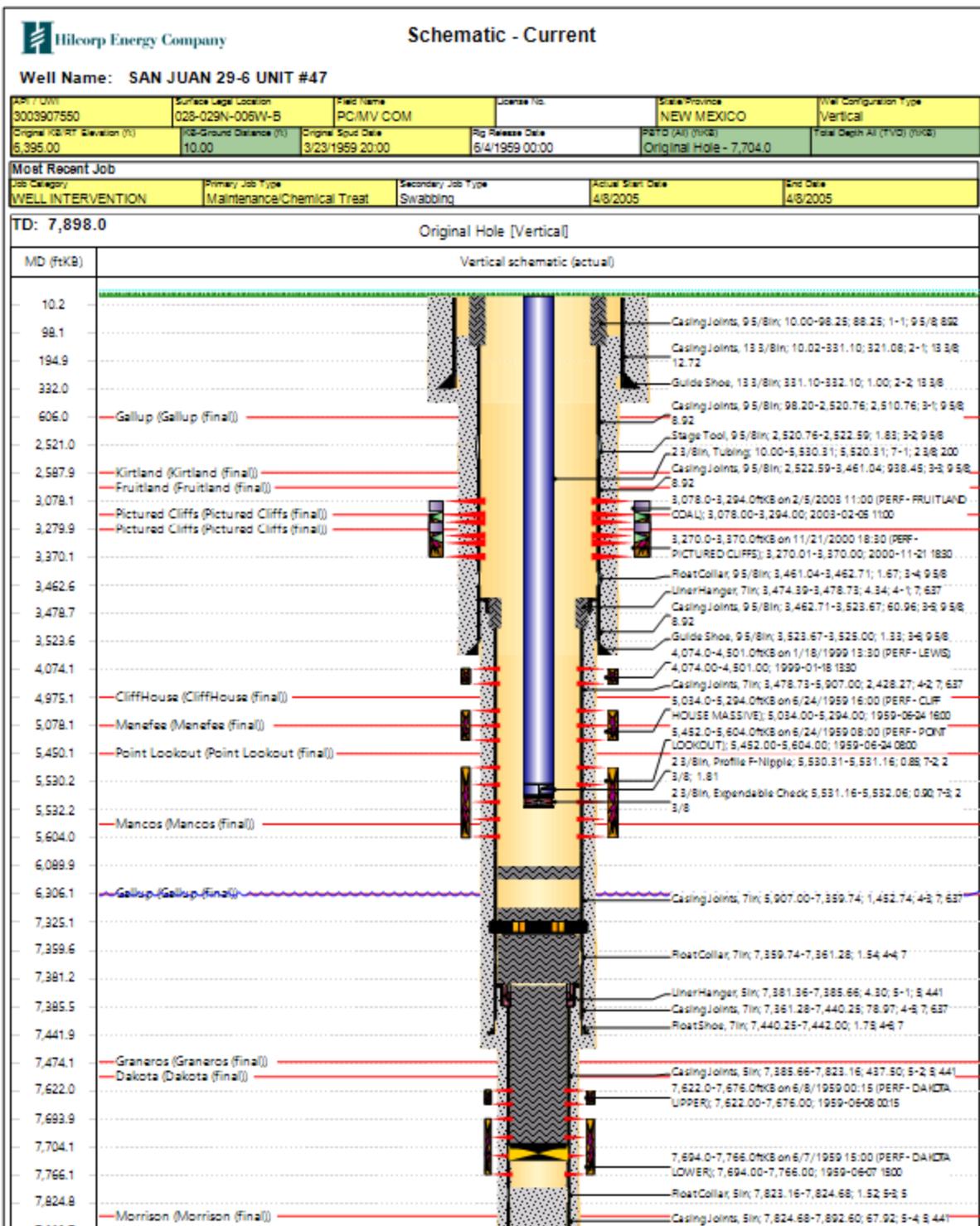
Wellbores in the immediate vicinity of the subject well commingled in the manner prescribed by NOI:

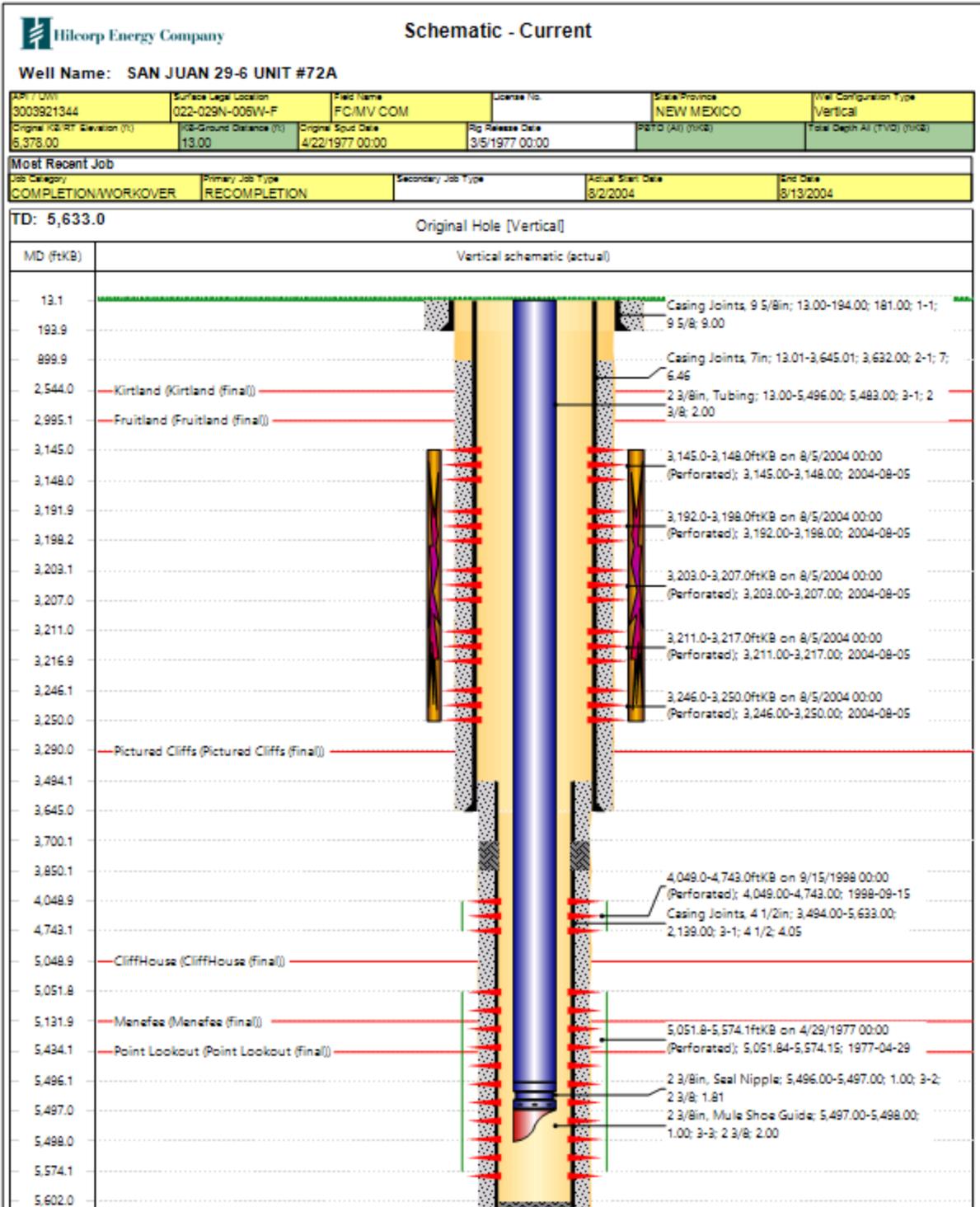
API	Well Name	Casing Pressure (PSIG)	Fruitland Coal Calculated FBHP (PSIG)	Lewis/ Chacra/Pictured Cliffs Calculated FBHP (PSIG)	Mesaverde Calculated FBHP (PSIG)
3003921263	San Juan 29-6 Unit 70A	68	88	93	100
3003907547	San Juan 29-6 Unit 68	68	88	93	100
3003907550	San Juan 29-6 Unit 47	80	102	107	110
3003921344	San Juan 29-6 Unit 72A	75	96	101	108
3003921262	San Juan 29-6 Unit 58A	15	34	40	48
3003925516	San Juan 29-7 Unit 83A	52	82	86	103
3003925516	San Juan 29-7 Unit 83A Post Compressor Set	5	35	39	56

		29N 6W	
19	20	21	22 SAN JUAN 29-6 UN 072A 300,182 300392134400 *
30	29 SAN JUAN 29-6 UN 070A 120,450 300392126300 *	28 SAN JUAN 29-6 UN 058A 782,494 300392126200 *	27 SAN JUAN 29-6 UN 047 1,413,179 300390755000 *











Well Name: SAN JUAN 29-6 UNIT #58A

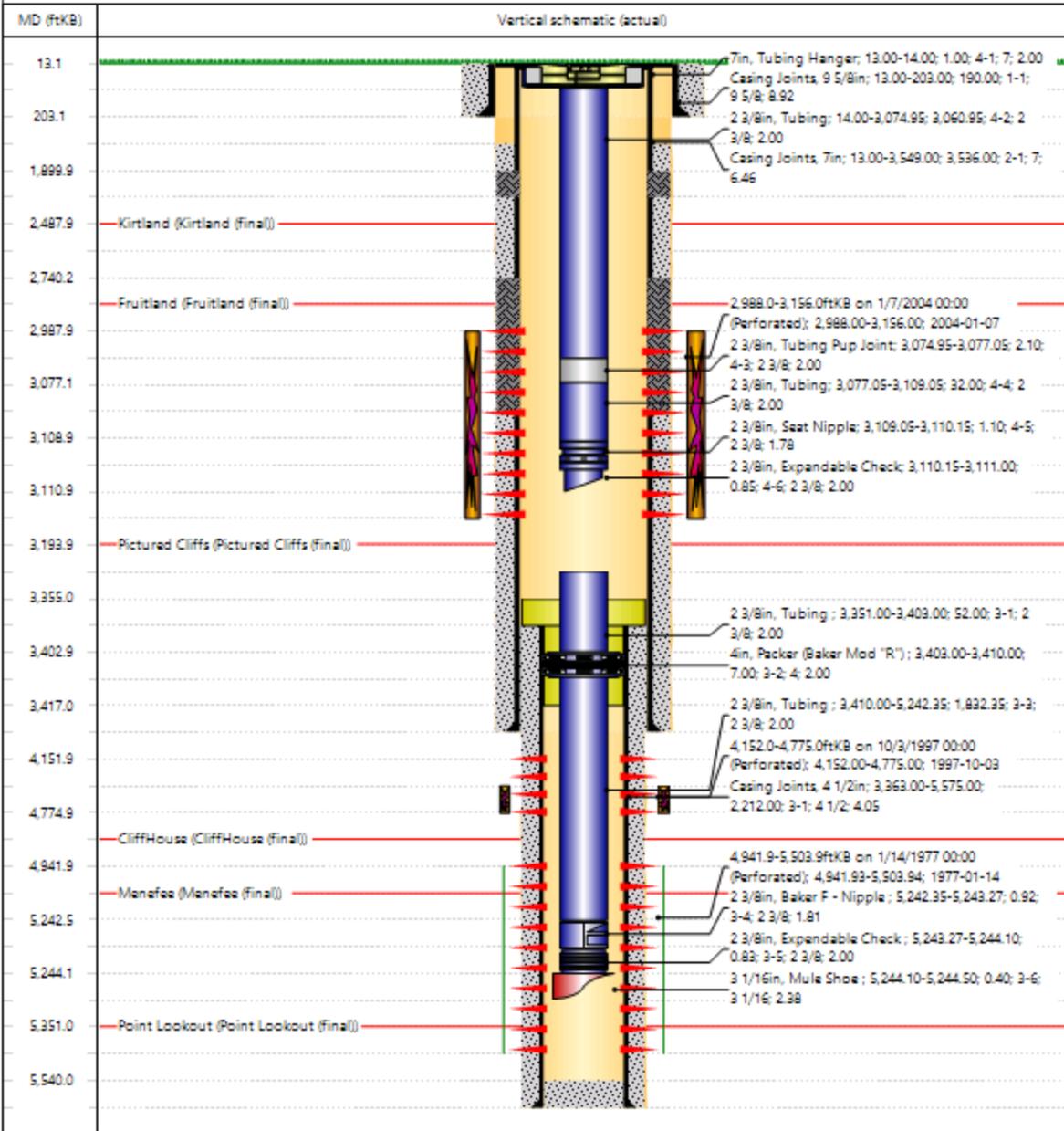
API Well No. 3003921262	Surface Lease Location 028-029N-006W-D	Field Name FC/MV DUAL	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical
Original KB RT Elevation (ft) 5,293.00	KB-Ground Distance (ft) 13.00	Original Spud Date 12/21/1976 00:00	Rig Release Date 4/1/1977 00:00	P&ID (All) (ft/KB)	Total Depth All (TVD) (ft/KB)

Most Recent Job

Job Category Capital Workover	Primary Job Type COMMINGLE	Secondary Job Type	Actual Start Date 8/19/2022	End Date
----------------------------------	-------------------------------	--------------------	--------------------------------	----------

TD: 5,575.0

Original Hole [Vertical]



From: [McClure, Dean, EMNRD](#) on behalf of [Engineer, OCD, EMNRD](#)
To: [Kandis Roland](#); [Mandi Walker](#)
Cc: [McClure, Dean, EMNRD](#); [Wrinkle, Justin, EMNRD](#); [Powell, Brandon, EMNRD](#); [Paradis, Kyle O](#)
Subject: Approved Administrative Order DHC-5273
Date: Monday, February 20, 2023 8:07:31 AM
Attachments: [DHC5273 Order.pdf](#)

NMOCD has issued Administrative Order DHC-5273 which authorizes Hilcorp Energy Company (372171) to downhole commingle production within the following well:

Well Name: **San Juan 29 7 Unit #83A**
Well API: **30-039-25516**

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

**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-5273

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 all produced fluids from all the Pools are compatible with each other.
4. Applicant has certified that downhole commingling the Pools will not decrease the value of the oil and gas production.
5. An exception to the notification requirements within 19.15.12.11(C)(1)(b) NMAC was granted by the Division within Order R-10697.
6. 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

7. 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.
8. 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.
9. 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.

10. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.11(A)(8) NMAC.
11. 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. This Order supersedes Order DHC-2919.
3. 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. sixteen and nine tenths percent (16.9%) shall be allocated to the BASIN FRUITLAND COAL (GAS) pool (pool ID: 71629);
 - b. fifty-six and five tenths percent (56.5%) shall be allocated to the LA JARA-PICTURED CLIFFS POOL pool (pool ID: 96199); and
 - c. twenty-six and six tenths percent (26.6%) shall be allocated to the BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319).

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 BASIN FRUITLAND COAL (GAS) pool (pool ID: 71629).

The current pool(s) are:

- a. the LA JARA-PICTURED CLIFFS POOL pool (pool ID: 96199); and
- b. the BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319).

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

- a. thirty-one percent (31%) shall be allocated to the LA JARA-PICTURED CLIFFS POOL pool (pool ID: 96199); and
- b. sixty-nine percent (69%) shall be allocated to the BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319).

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.

4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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).
10. 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: 2/19/2023

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: **DHC-5273**

Operator: **Hilcorp Energy Company (372171)**

Well Name: **San Juan 29 7 Unit #83A**

Well API: **30-039-25516**

Upper Zone	Pool Name: BASIN FRUITLAND COAL (GAS)	Current:	New: X
	Pool ID: 71629	Oil: 16.9%	Gas: subtract
	Allocation:	Top: 3,100	Bottom: 3,374
	Interval: Perforations		

Intermediate Zone	Pool Name: LA JARA-PICTURED CLIFFS POOL	Current: X	New:
	Pool ID: 96199	Oil: 56.5%	Gas: 31%
	Allocation:	Top: 3,421	Bottom: 3,501
	Interval: Perforations		

Bottom of Interval within 150% of Upper Zone's Top of Interval: **YES**

Lower Zone	Pool Name: BLANCO-MESAVERDE (PRORATED GAS)	Current: X	New:
	Pool ID: 72319	Oil: 26.6%	Gas: 69%
	Allocation:	Top: 4,225	Bottom: 5,913
	Interval: Perforations		

Bottom of Interval within 150% of Upper Zone's Top of Interval: **NO**

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

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 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 167862

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 167862
	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.	2/20/2023