

Revised March 23, 2017

|           |           |       |         |
|-----------|-----------|-------|---------|
| RECEIVED: | REVIEWER: | TYPE: | APP NO: |
|-----------|-----------|-------|---------|

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**

- ☐ Notice Complete  
☐ 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

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

District III  
1000 Rio Brazos Road, Aztec, NM 87410

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

Form C-107A  
Revised August 1, 2011

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

APPLICATION FOR DOWNHOLE COMMINGLING

Hilcorp Energy Company

382 ROAD 3100, Aztec NM 87410

Operator

Address

Howell C

2A

UL J – Sec. 3, T29N, R8W

San Juan

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 372171 Property Code 318563 API No. 30-045-21635 Lease Type: ☒ Federal ☐ State ☐ Fee

| DATA ELEMENT   | UPPER ZONE                        | INTERMEDIATE ZONE  | LOWER ZONE   |
|--|-----------------------------------|--|--|
| Pool Name  | BASIN FRUITLAND COAL (GAS)        | BLANCO PICTURED CLIFFS (GAS)   | BLANCO MESAVERDE (PRORATED GAS)  |
| Pool Code  | 71629                             | 72359  | 72319  |
| Top and Bottom of Pay Section (Perforated or Open-Hole Interval)   | 2715’ – 3000’ - Estimated         | 3023’- 3082’   | 4642’-5468’  |
| 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)    | 275 psi                           | 300 psi  | 650 psi  |
| Oil Gravity or Gas BTU (Degree API or Gas BTU)   | BTU 1100                          | BTU 1140   | BTU 1240   |
| 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<br><br>Rates:           | Date: 1/1/2023<br><br>Rates: 408 MCF – GAS<br>1 BBL – Oil<br>7 BBL - Water | Date: 1/1/2023<br><br>Rates: 4128 MCF – GAS<br>2 BBL – Oil<br>68 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<br>Please see attachments | Oil Gas<br>Please see attachments  | Oil Gas<br>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:

- 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 3/15/2023

TYPE OR PRINT NAME Kandis Roland

TELEPHONE NO. ( 713 ) 757-5246

E-MAIL ADDRESS kroland@hilcorp.com

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLATPage 3 of 48  
Form C-128  
Supersedes C-128  
Effective 1-1-55

All distances must be from the outer boundaries of the Section.

|  |               |                  |                                |                     |                |
|--|---------------|------------------|--------------------------------|---------------------|----------------|
| Operator:<br>El Paso Natural Gas Company |               |                  | Lease:<br>Howell C (SF-078596) |                     | Well No.<br>2A |
| Unit Letter:<br>J                        | Section:<br>3 | Township:<br>29N | Range:<br>8W                   | County:<br>San Juan |                |

Actual Location of Well:  
 1535 feet from the South line and 1550 feet from the East line  
 Ground Level Elev. 6276 Producing Formation Pic. Cliffs Pool Blanco Pic. Cliffs EXA Dedicated Acreage: 160.08  
 Mesa Verde Blanco Mesa Verde 323.20 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?  
☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_  
 If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_  
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Note: Plat  
reissued to show  
addition of PC  
Formation.  
4-11-85

Section 3

SF-078596

1550'

1535'

## CERTIFICATION

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

Name  
Drilling Clerk  
Position  
El Paso Natural Gas Co  
Company  
April 12, 1985  
Date

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 knowledge and belief.

Date Surveyed  
December 17, 1974

Registered Professional Land Surveyor  
and/or Land Surveyor

David B. Foss, Jr.  
Surveyor

3050

**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) 476-3462Form C-102  
August 1, 2011

Permit 334084

**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<br>30-045-21635 | 2. Pool Code<br>71629                      | 3. Pool Name<br>BASIN FRUITLAND COAL (GAS) |
| 4. Property Code<br>318563    | 5. Property Name<br>HOWELL C               | 6. Well No.<br>002A                        |
| 7. OGRID No.<br>372171        | 8. Operator Name<br>HILCORP ENERGY COMPANY | 9. Elevation<br>6276                       |

**10. Surface Location**

|               |              |                 |              |         |                   |               |                   |               |                    |
|---------------|--------------|-----------------|--------------|---------|-------------------|---------------|-------------------|---------------|--------------------|
| UL - Lot<br>J | Section<br>3 | Township<br>29N | Range<br>08W | Lot Idn | Feet From<br>1535 | N/S Line<br>S | Feet From<br>1550 | E/W Line<br>E | County<br>SAN JUAN |
|---------------|--------------|-----------------|--------------|---------|-------------------|---------------|-------------------|---------------|--------------------|

**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<br>323.20 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**

|  |  |
|--|--|
|  | <p align="center"><b>OPERATOR CERTIFICATION</b></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: Kandis Roland<br/> Title: Regulatory Tech<br/> Date: 2/9/2023</p> |
|  | <p align="center"><b>SURVEYOR CERTIFICATION</b></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.<br/> Date of Survey: 12/17/1974<br/> Certificate Number: 3950</p>   |

## Howell C 2A

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

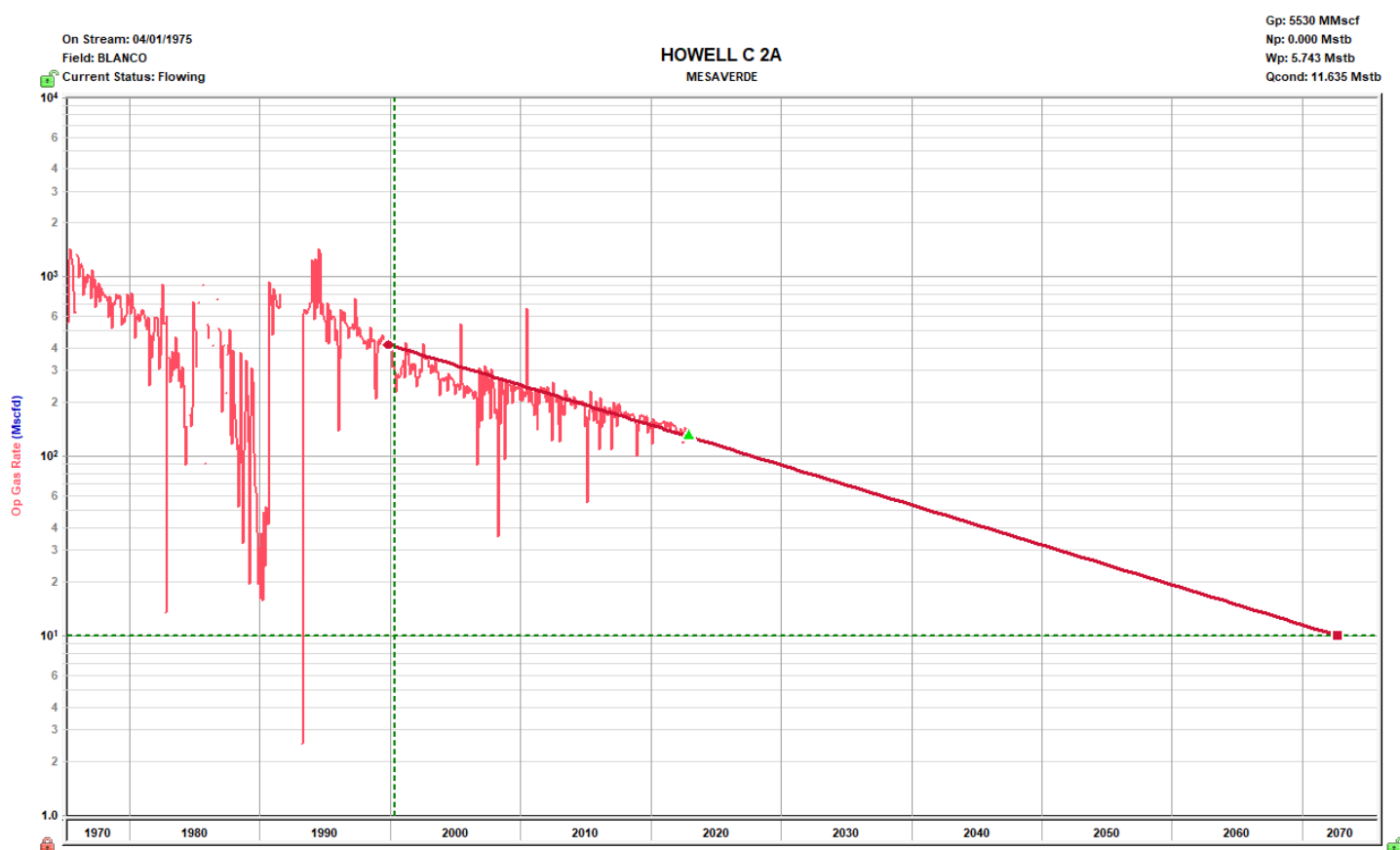
The BHPs of all zones, producing and non-producing, were estimated based upon basin wide Moving-Domain Material Balance models that have proven to approximate the pressure in the given reservoirs well in this portion of the basin, in conjunction with shut-in pressure build-ups. These models were constructed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

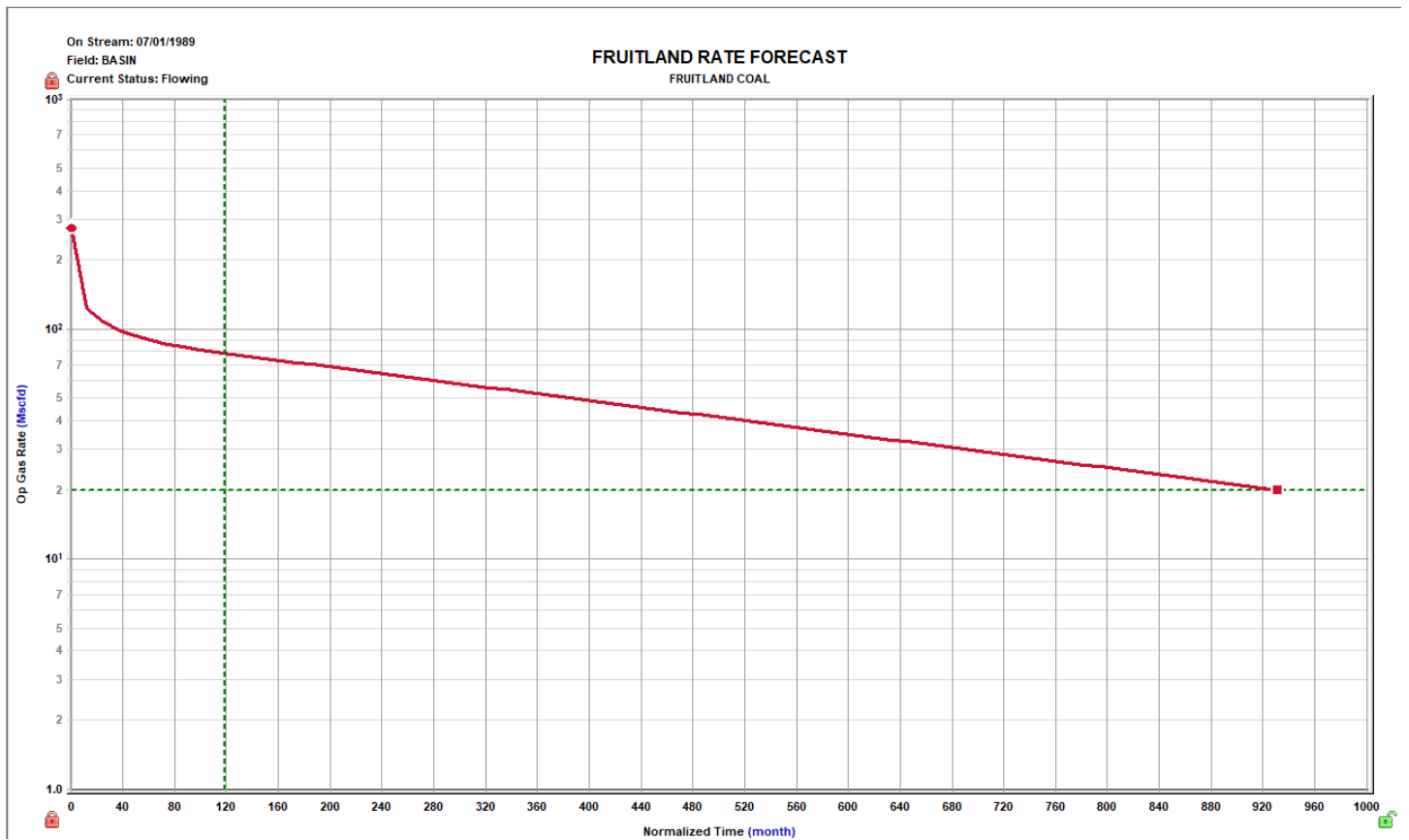
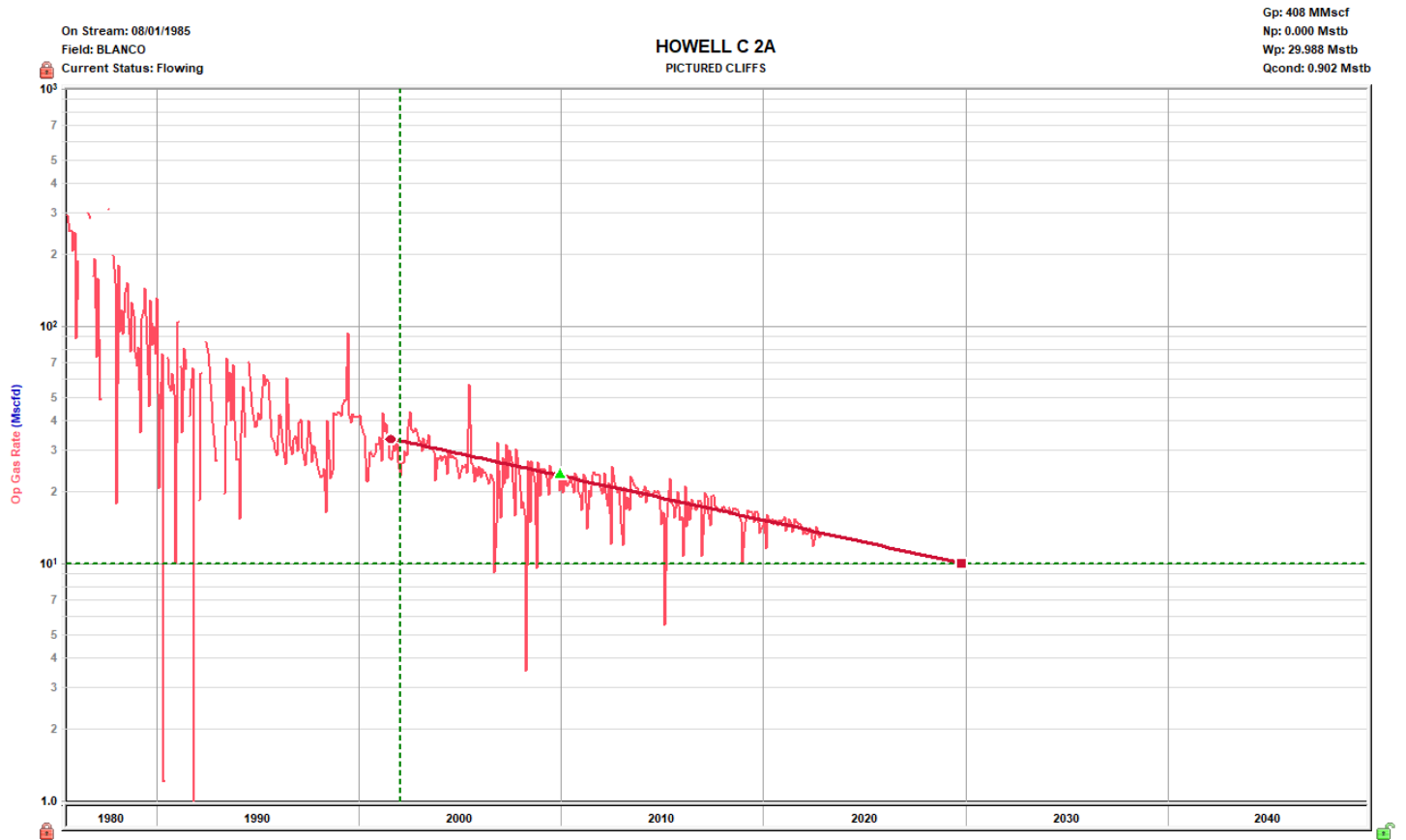
### Production Allocation Method – Subtraction

#### Gas Allocation:

Production for the downhole commingle will be allocated using the subtraction method in agreement with local agencies. The base formation is the Pictured Cliffs & Mesaverde and the added formation to be commingled is the Fruitland Coal. The subtraction method applies an average monthly production forecast to the base formation using historic production. All production from this well exceeding the base formation forecasts will be allocated to the new formation. Base Formations will continue to use a fixed rate MV 90.63%, PC 9.37% that was previously approved. Please see attached approved allocation.

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





**Oil Allocation:**

Fruitland Coal is not expected to produce condensate therefore the base formations will continue to use a fixed rate MV 50%, PC 50% that was previously approved. Please see attached approved allocation.

| Formation       | % Oil Allocation |
|-----------------|------------------|
| Mesaverde       | 50%              |
| Pictured Cliffs | 50%              |
| Fruitland Coal  | 0%               |

# BURLINGTON RESOURCES

June 10, 2000

New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Re: Howell C #2A  
J Section 3, T-29-N, R-8-W  
30-045-21635


Gentlemen:

Attached is a copy of the allocation for the commingling of the subject well. DHC-2598 was issued for this well.

|      |                 |        |
|------|-----------------|--------|
| Gas: | Mesa Verde      | 90.63% |
|      | Pictured Cliffs | 9.37%  |
| Oil: | Mesa Verde      | 50%    |
|      | Pictured Cliffs | 50%    |

These allocations are based on historical production from the Mesa Verde and Pictured Cliffs. Please let me know if you have any questions.

Sincerely,



Peggy Cole  
Regulatory Supervisor

Xc: NMOCD – Santa Fe  
Bureau of Land Management – Farmington

3401 East 30<sup>th</sup>, Post Office Box 4289, Farmington, NM 87499 505-326-9727 Fax: 505-599-4046



**HOWELL C #2A**  
**Sec. 03, T29N R08W**  
**San Juan County, New Mexico**

**Production Allocation Based On Cumulative Production Through 11/1/99**

|                 | Cumulative Production |         |  | % Allocation |       |
|-----------------|-----------------------|---------|--|--------------|-------|
|                 | MCF                   | Bbl Oil |  | % Gas        | % Oil |
| Pictured Cliffs | 43                    | 0       |  | 9.37%        | 0.00% |
| Mesaverde       | 416                   | 0       |  | 90.63%       | 0.00% |
| Total           | 459                   | 0       |  | 100.00%      | 0.00% |

**Gas Allocation:**

**Pictured Cliffs** (Total Pictured Cliffs Production) 43 MCF  
 -----  
 (Total Combined Production) 459 MCF = **9.37%**

**Mesaverde** (Total Mesaverde Production) 416 MCF  
 -----  
 (Total Combined Production) 459 MCF = **90.63%**

**Oil Allocation:**

**Pictured Cliffs** (Total Pictured Cliffs Production) 0 Bbl Oil  
 -----  
 (Total Combined Production) 0 Bbl Oil = **0.00%**

**Mesaverde** (Total Mesaverde Production) 0 Bbl Oil  
 -----  
 (Total Combined Production) 0 Bbl Oil = **0.00%**



February 16, 2023

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

**Re: C-107A (Downhole Commingle)  
Howell C 2A  
API No. 30-045-21635  
J-03, T29N-R8W  
San Juan County, NM**

Gentlemen:

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

All working, royalty and overriding royalty interests are identical between the Blanco Mesaverde (Pool Code: 72319) and Basin Fruitland Coal (Pool Code: 71629) in the spacing units dedicated to these formations. Therefore, no notice to interest owners is required.

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

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

Sincerely,

By: HILCORP ENERGY COMPANY,  
Its General Partner

A handwritten signature in blue ink, appearing to read 'Carson Parker Rice', is written over a horizontal line.

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: HOWELL C        | Well Location: T29N / R8W / SEC 3 / NWSE / 36.750992 / -107.658707 | County or Parish/State: SAN JUAN / NM |
| Well Number: 2A            | Type of Well: CONVENTIONAL GAS WELL                                | Allottee or Tribe Name:               |
| Lease Number: NMSF078596   | Unit or CA Name:   | Unit or CA Number:                    |
| US Well Number: 3004521635 | Well Status: Producing Gas Well                                    | Operator: HILCORP ENERGY COMPANY      |

Notice of Intent

Sundry ID: 2720127

|  |                              |
|--|------------------------------|
| Type of Submission: Notice of Intent           | Type of Action: Recompletion |
| Date Sundry Submitted: 03/10/2023              | Time Sundry Submitted: 06:18 |
| Date proposed operation will begin: 03/24/2023 |                              |

**Procedure Description:** Hilcorp Energy Company requests permission to recompleate the subject well in the Fruitland Coal and downhole commingle with the existing Mesaverde and 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 3/7/2023 with Roger Herrera/BLM. The reclamation plan is attached.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Howell\_C\_2A\_UPE\_Coal\_NOI\_Procedure\_20230310061752.pdf

|                            |  |                                       |
|----------------------------|--|---------------------------------------|
| Well Name: HOWELL C        | Well Location: T29N / R8W / SEC 3 / NWSE / 36.750992 / -107.658707 | County or Parish/State: SAN JUAN / NM |
| Well Number: 2A            | Type of Well: CONVENTIONAL GAS WELL                                | Allottee or Tribe Name:               |
| Lease Number: NMSF078596   | Unit or CA Name:   | Unit or CA Number:                    |
| US Well Number: 3004521635 | 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: MAR 10, 2023 06:17 AM  
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: 03/10/2023  
Signature: Kenneth Rennick

## Howell C 2A

J – 3 – 29N – 08W 1535 FSL 1550 FEL

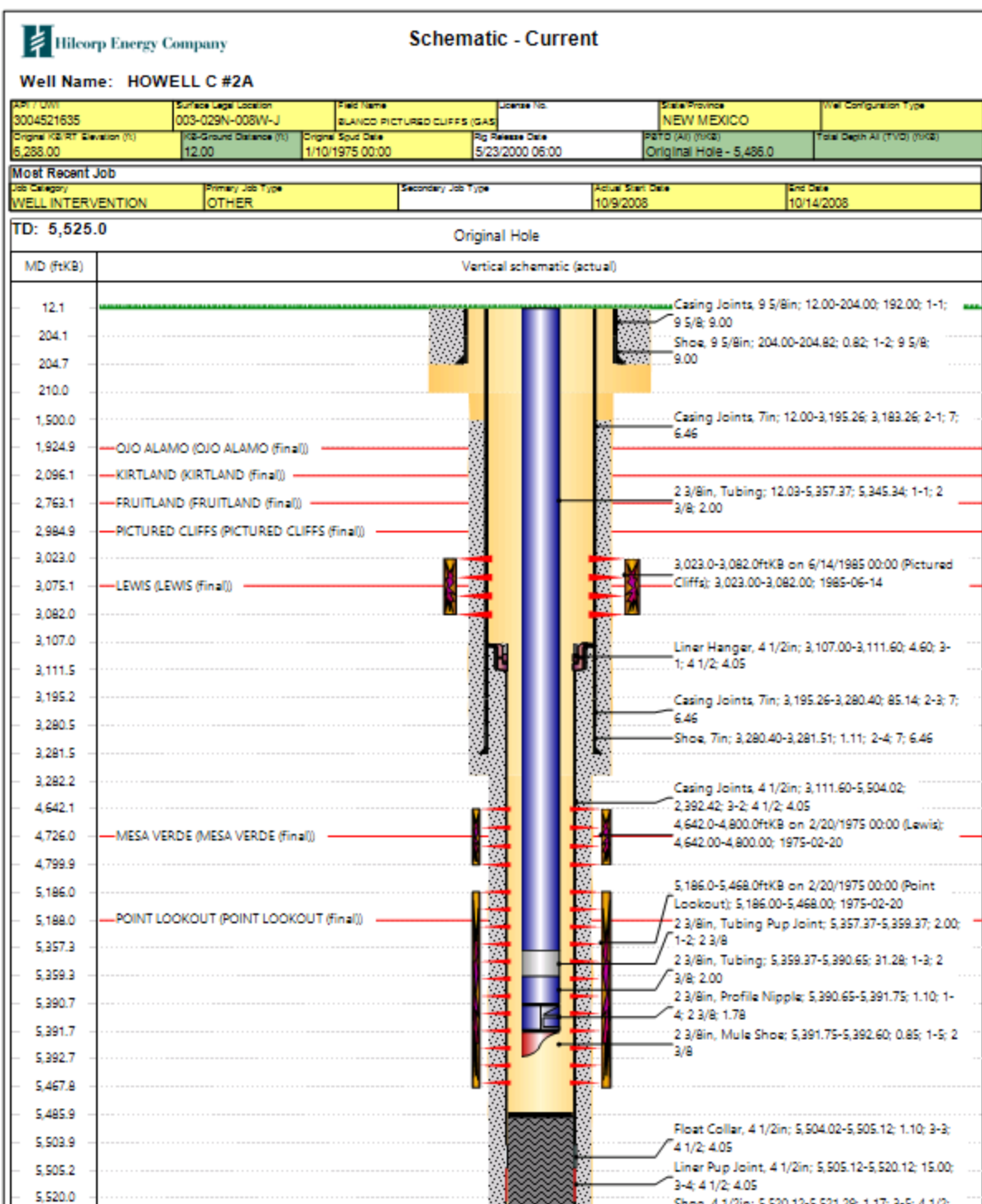
API#: 3004521635

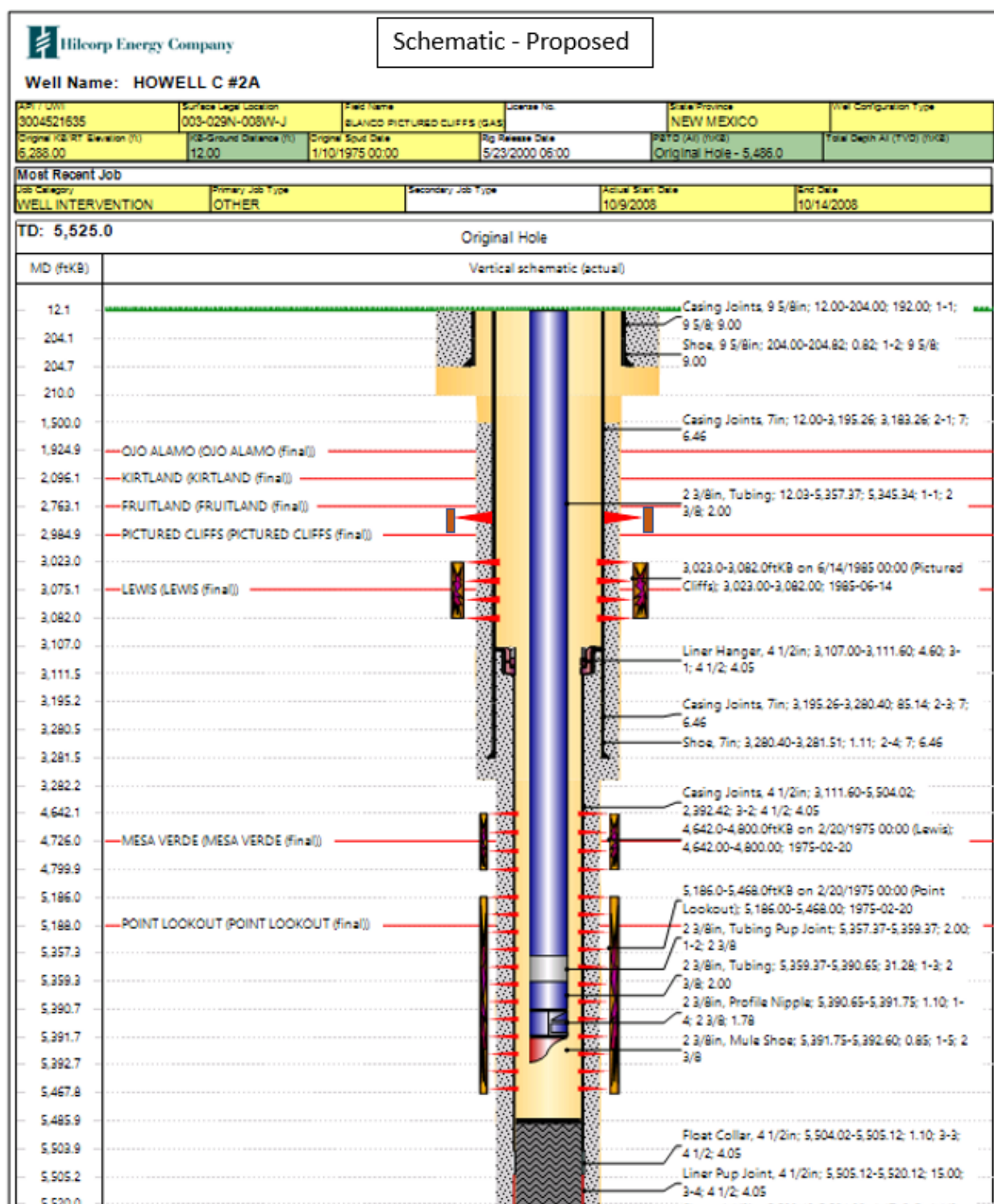
### Fruitland Coal Recompletion Procedure

01/26/2023

#### Procedure:

1. MIRU PU and associated equipment. Kill well and NDWH.
2. NUBOP and unseat tubing, tag for fill and scan out with production tubing
3. Set 4.5" CIBP at 4600' to isolate existing Mesaverde completion. Load and roll hole.
4. Set 7" CBP at +/-3010' to isolate PC
5. RU wellcheck and MIT wellbore to 500 PSI
  - a. CBL on file for well
6. PU 7" frac packer and frac string, RIH and set packer at 2700'
7. Pressure test frac string to 5000 PSI
8. MIRU frac spread.
9. Perforate and frac the Fruitland Coal from 2715' to 3000'.
10. MI flow back and flow well to relieve pressure if needed.
11. MIRU service rig.
12. Test BOP's.
13. POOH with frac string and packer.
14. Make up 7" mill and clean out.
15. When water and sand rates are acceptable, flow test the intervals.
16. Make up 3-7/8" mill and clean out to CIBP, mill plug and commingle.
17. TIH and land production tubing.
18. ND BOP's, NU production tree.
19. RDMO service rig & turn well over to production.





**District I**1625 N. French Dr., Hobbs, NM 88240  
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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) 476-3462Form C-102  
August 1, 2011

Permit 334084

**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<br>30-045-21635 | 2. Pool Code<br>71629                      | 3. Pool Name<br>BASIN FRUITLAND COAL (GAS) |
| 4. Property Code<br>318563    | 5. Property Name<br>HOWELL C               | 6. Well No.<br>002A                        |
| 7. OGRID No.<br>372171        | 8. Operator Name<br>HILCORP ENERGY COMPANY | 9. Elevation<br>6276                       |

**10. Surface Location**

|               |              |                 |              |         |                   |               |                   |               |                    |
|---------------|--------------|-----------------|--------------|---------|-------------------|---------------|-------------------|---------------|--------------------|
| UL - Lot<br>J | Section<br>3 | Township<br>29N | Range<br>08W | Lot Idn | Feet From<br>1535 | N/S Line<br>S | Feet From<br>1550 | E/W Line<br>E | County<br>SAN JUAN |
|---------------|--------------|-----------------|--------------|---------|-------------------|---------------|-------------------|---------------|--------------------|

**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<br>323.20 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**

|  |  |
|--|--|
|  | <p align="center"><b>OPERATOR CERTIFICATION</b></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: Kandis Roland<br/> Title: Regulatory Tech<br/> Date: 2/9/2023</p> |
|  | <p align="center"><b>SURVEYOR CERTIFICATION</b></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.<br/> Date of Survey: 12/17/1974<br/> Certificate Number: 3950</p>   |



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

Submit Electronically  
Via E-permitting

## 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:** 2/9/2023

**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              | Anticipat<br>ed Oil<br>BBL/D | Anticipated<br>Gas<br>MCF/D | Anticipated<br>Produced<br>Water BBL/D |
|-------------|------------|------------|-----------------------|------------------------------|-----------------------------|--|
| Howell C 2A | 3004521635 | J-3-29N-8W | 1535' FSL & 1550' FEL | 0                            | 200                         | 4                                      |
|             |            |            |                       |                              |                             |  |

**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<br>Date | TD Reached<br>Date | Completion<br>Commencement<br>Date | Initial Flow<br>Back Date | First Production Date    |
|--------------------|-------------------|--------------|--------------------|------------------------------------|---------------------------|--------------------------|
| <u>Howell C 2A</u> | <u>3004521635</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: 2/9/2023   |
| Phone: 713-757-5246  |
| <b>OIL CONSERVATION DIVISION</b><br><b>(Only applicable when submitted as a standalone form)</b> |
| 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 recompleting project. HEC will utilize flowback separation equipment and production separation equipment designed and built to industry specifications after the recompleting 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 recompleting 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 recompleting
  - 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  
**HOWELL C 2A**  
API: 30-045-21635  
T29N-R8W-Sec.03-J  
LAT: 36.75099 LONG: -107.65871 NAD 27  
Footage: 1535' FSL & 1550' FEL  
San Juan 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 March 7, 2023.

**2. LOCATION RECLAMATION PROCEDURE**

1. Reclamation work will begin in the spring.
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. Blade roads into location.
6. Fix damage to roads, TUA surfaces that are disturbed, and fix drainage issues.
7. Put in water diversion bars where they may be needed.
8. Reclaim all disturbed area being used for recompletion activities.
9. Reestablish diversion ditches on West and East sides of location.
10. Reclaim areas damaged by moving crews in.

**3. SEEDING PROCEDURE**

1. A PINON/ 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 195807

CONDITIONS

|  |   |
|--|---|
| Operator:<br>HILCORP ENERGY COMPANY<br>1111 Travis Street<br>Houston, TX 77002 | OGRID:<br>372171                                  |
|  | Action Number:<br>195807                          |
|  | Action Type:<br>[C-103] NOI Recompletion (C-103E) |

CONDITIONS

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| kpickford  | DHC required  | 3/14/2023      |
| kpickford  | Notify NMOCD 24 Hours Prior to beginning operations | 3/14/2023      |



## Supplemental Information for Fruitland Coal Recompletes in 29N 8W

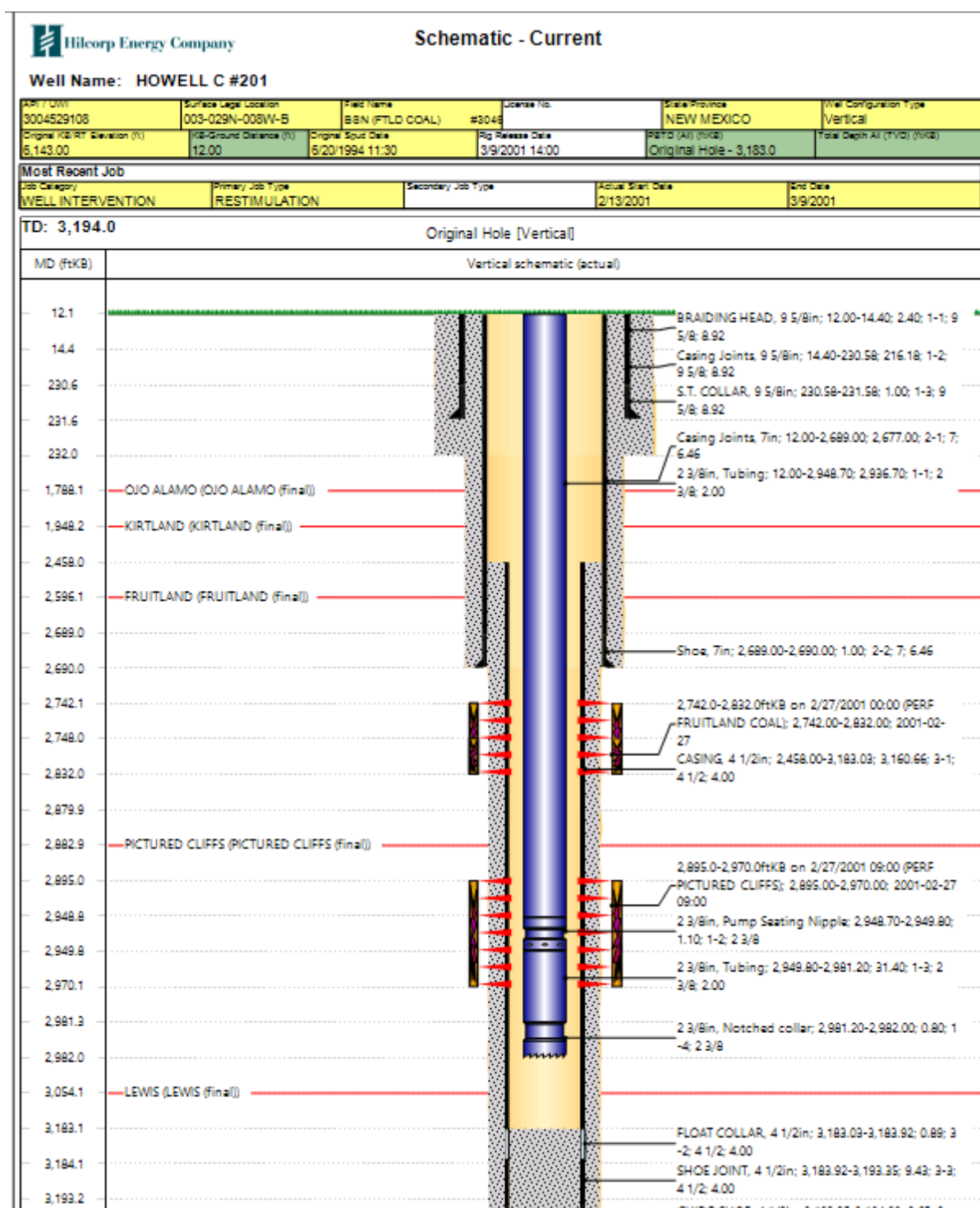
|                            | Mesaverde     | Pictured Cliffs | Fruitland Coal |
|----------------------------|---------------|-----------------|----------------|
| Measured and Estimated BHP | 500 – 800 PSI | 200 – 400 PSI   | 150 – 400 PSI  |
| Gas BTU                    | 1240          | 1140            | 1100           |
| CO2                        | 1.4%          | 0.6%            | 0.9%           |
| H2S %                      | < 0.01%       | <0.01%          | <0.01%         |
| N2 %                       | 0.1%          | 0.1%            | 0.1%           |

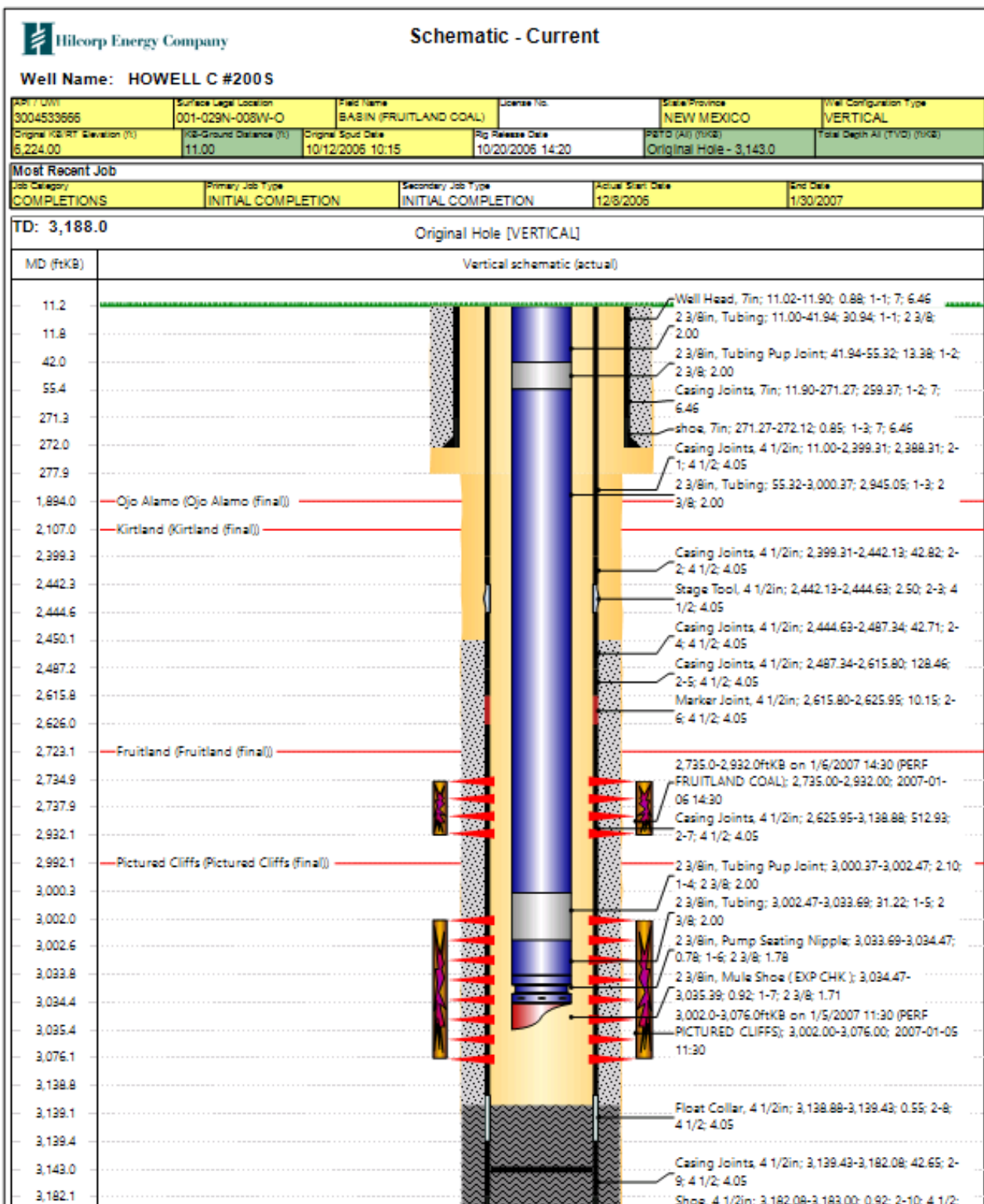
\*Please note that during wellbore preparation and fracture stimulating, measurements will be recorded to measure BHP indirectly and directly on these intervals i.e., fluid levels, initial shut-in pressures post frac, flowing pressures during cleanout, shut in pressures during cleanout, etc. This information will be included as part of the routine C-103 subsequent submittal.

## Adjacent Wellbores in 29N 8W commingled in similar manners

| Well Name       | API Number | Commingled Intervals                       | Operator    |
|-----------------|------------|--|-------------|
| Pritchard 3A    | 3004522345 | Fruitland Coal, Pictured Cliffs, Mesaverde | Ikav-Simcoe |
| Florance T 123M | 3004525564 | Fruitland Coal, Mesaverde, Dakota          | Ikav-Simcoe |
| Vandewart B3    | 3004526148 | Fruitland Coal, Pictured Cliffs            | Ikav-Simcoe |
| Howell C 201    | 3004529108 | Fruitland Coal, Pictured Cliffs            | Hilcorp     |
| Howell C 200S   | 3004533666 | Fruitland Coal, Pictured Cliffs            | Hilcorp     |

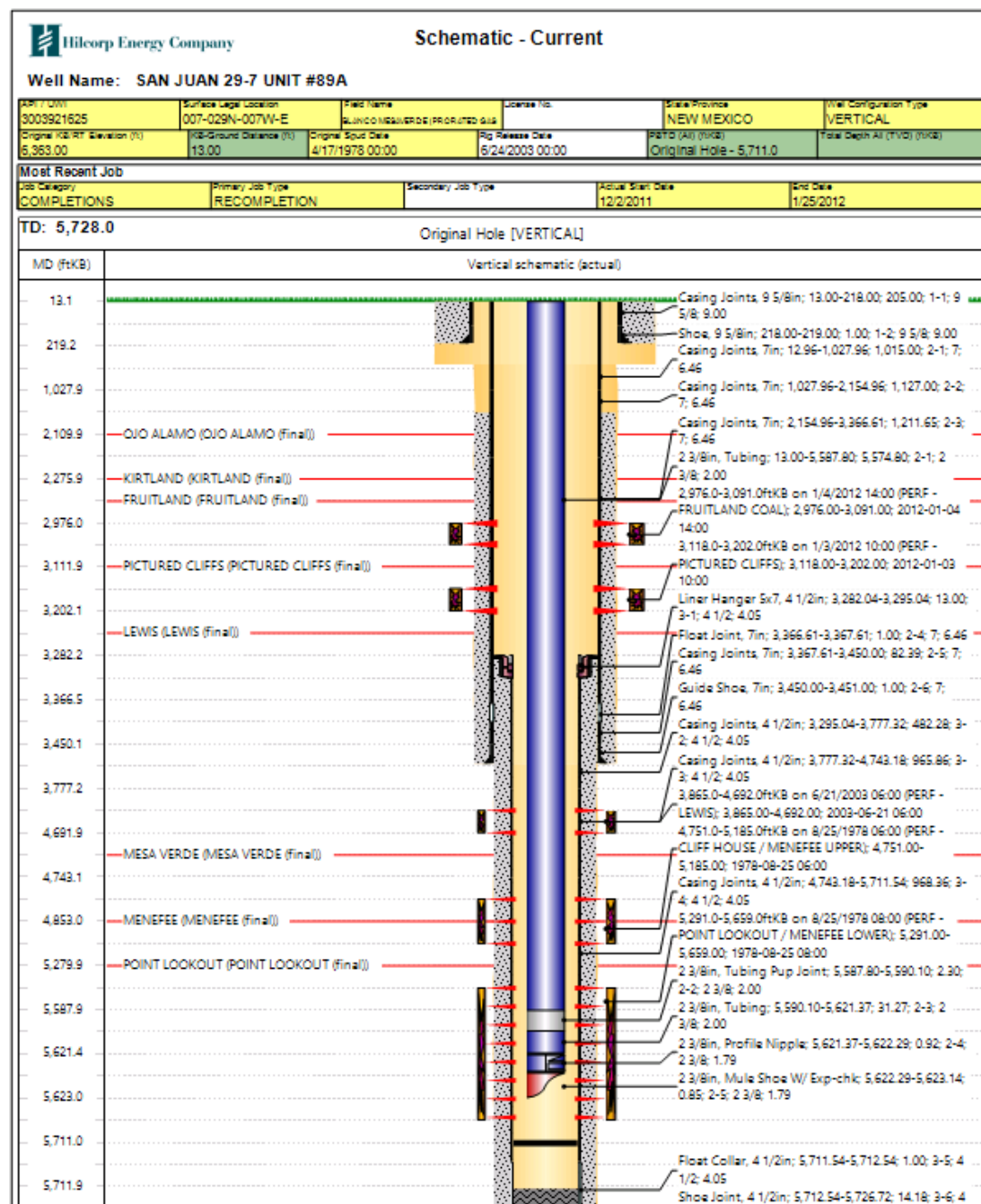
## Wellbore Diagrams for Hilcorp Operated Commingles

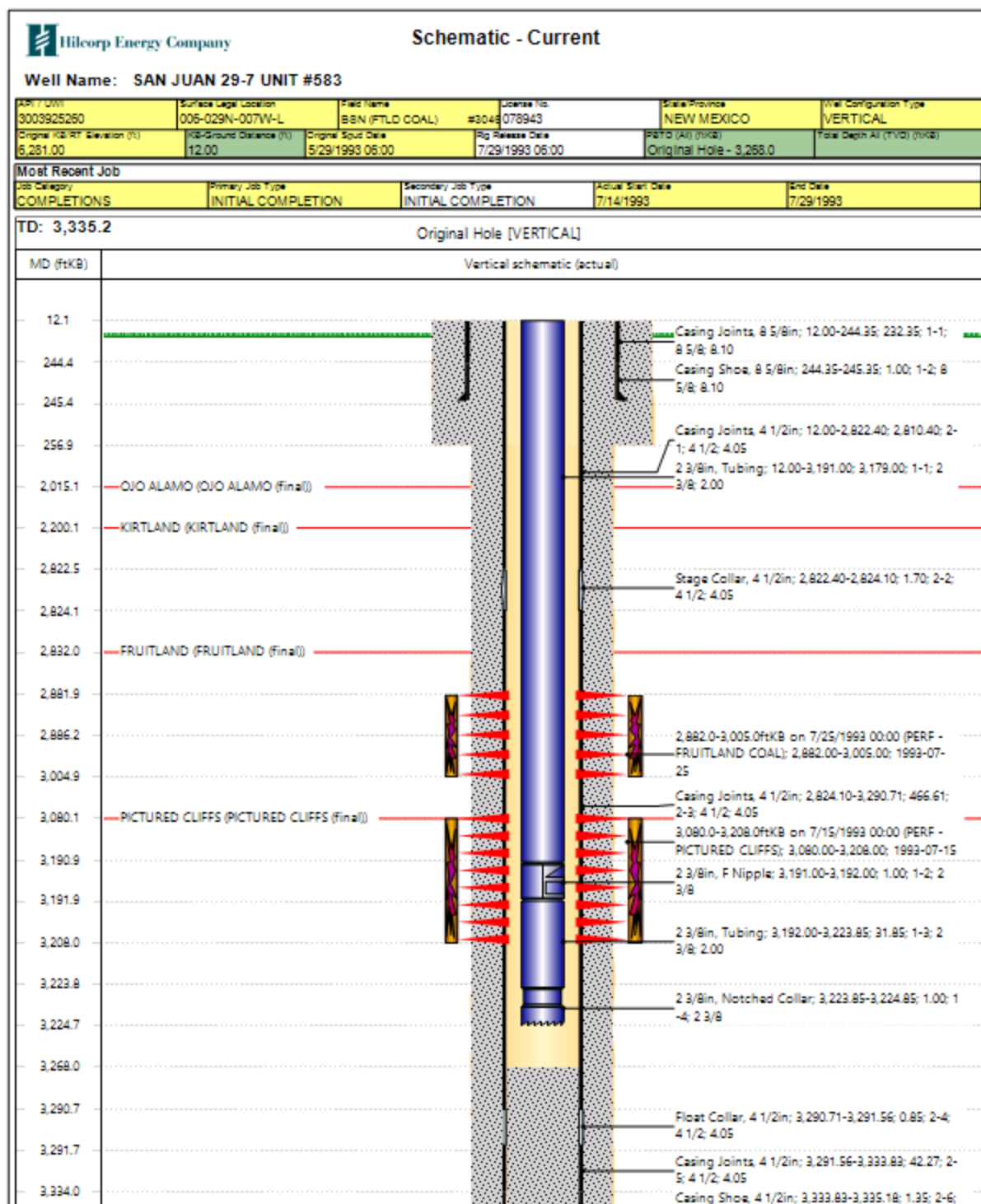




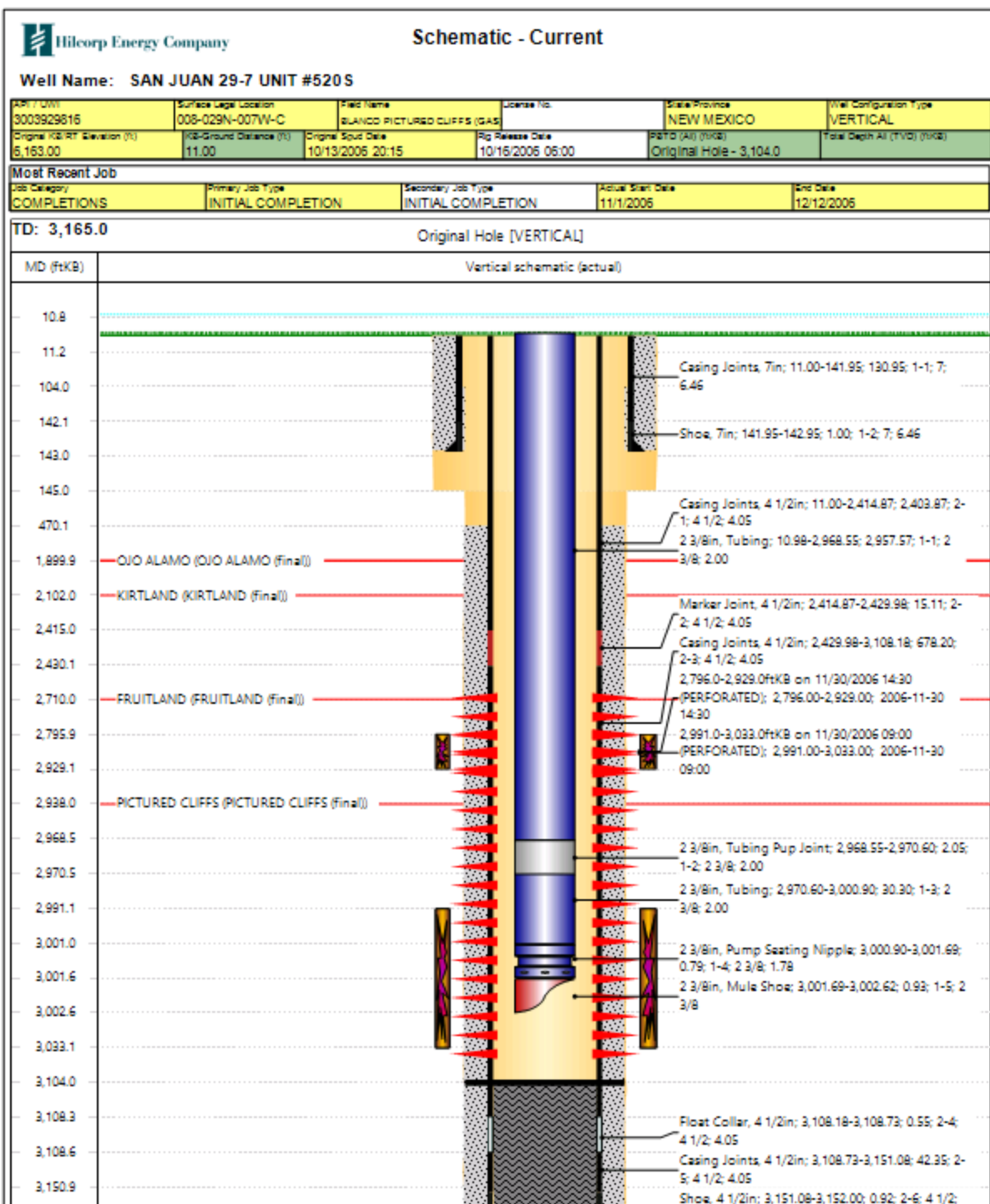
## Hilcorp-Operated Adjacent Wellbores in 29N 7W

| Well Name               | API Number | Commingle Intervals                        | Operator |
|-------------------------|------------|--|----------|
| San Juan 29-7 Unit 89A  | 3003921625 | Fruitland Coal, Pictured Cliffs, Mesaverde | Hilcorp  |
| San Juan 29-7 Unit 583  | 3003925260 | Fruitland Coal, Pictured Cliffs            | Hilcorp  |
| San Juan 29-7 Unit 170  | 3003926745 | Fruitland Coal, Pictured Cliffs            | Hilcorp  |
| San Juan 29-7 Unit 520S | 3003929816 | Fruitland Coal, Pictured Cliffs            | Hilcorp  |
| San Juan 29-7 Unit 519  | 3003925268 | Fruitland Coal, Pictured Cliffs            | Hilcorp  |













## Schematic - Current

Well Name: SAN JUAN 29-7 UNIT #519

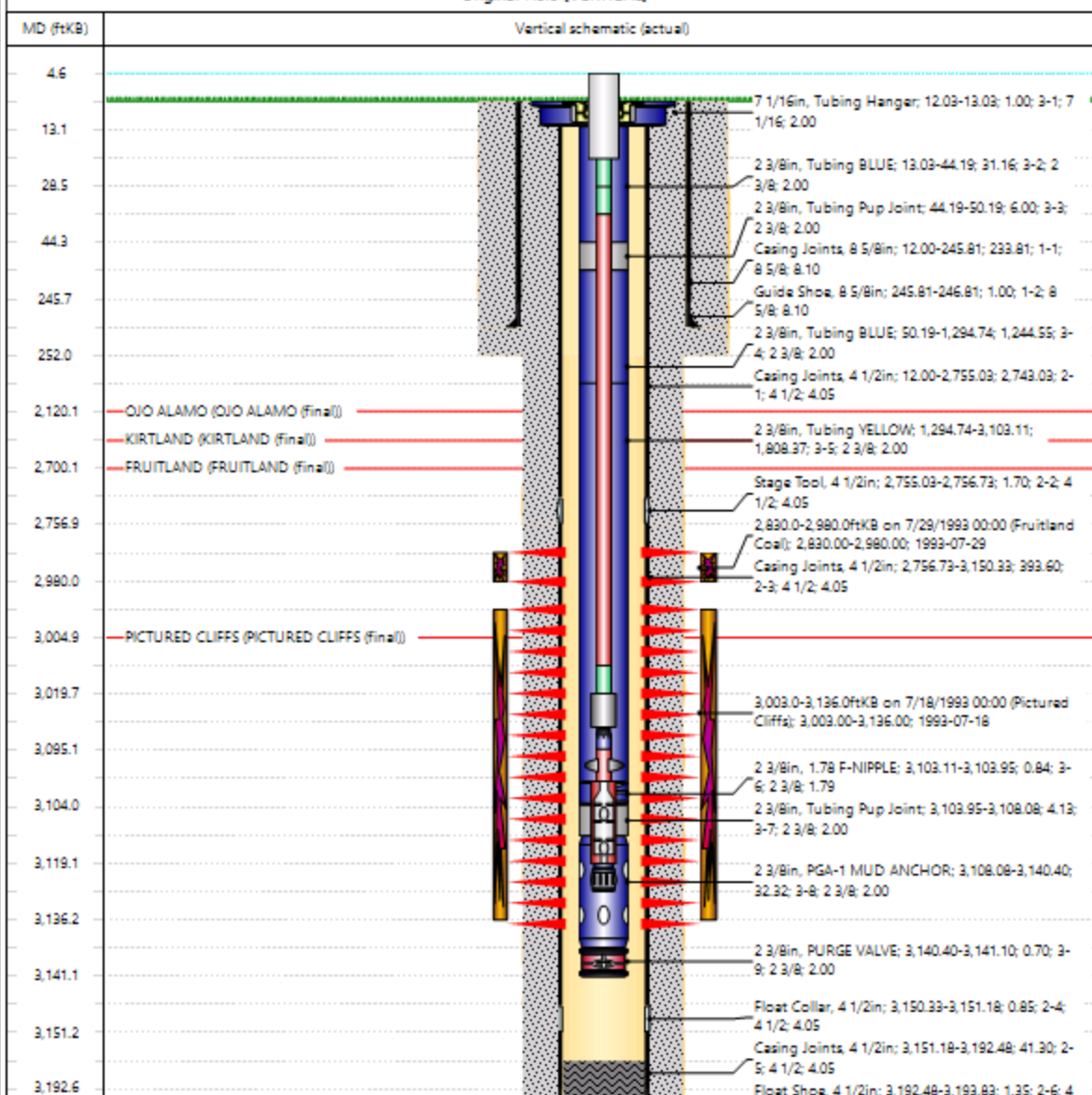
|                                      |  |                                   |                                   |                           |                                  |
|--------------------------------------|--|-----------------------------------|-----------------------------------|---------------------------|----------------------------------|
| API# 0003925268                      | Surface Legal Location 008-029N-007W-B | Field Name BSN (FTLD COAL)        | License No. #3048 078423          | State/Province NEW MEXICO | Well Configuration Type VERTICAL |
| Original R/W Elevation (ft) 6,231.00 | R/W Ground Distance (ft) 12.00         | Original Spud Date 6/9/1993 08:00 | R/W Release Date 10/25/2005 09:30 | PDH (ft) (ft) 3,155.0     | Total Depth At (ft) (ft) 3,194.8 |

## Most Recent Job

|                                |                                    |                    |                             |                    |
|--------------------------------|------------------------------------|--------------------|-----------------------------|--------------------|
| Job Category WELL INTERVENTION | Primary Job Type ROD & PUMP REPAIR | Secondary Job Type | Actual Start Date 5/13/2014 | End Date 5/15/2014 |
|--------------------------------|------------------------------------|--------------------|-----------------------------|--------------------|

TD: 3,195.0

Original Hole [VERTICAL]





**From:** [McClure, Dean, EMNRD](#) on behalf of [Engineer, OCD, EMNRD](#)  
**To:** [Cheryl Weston](#); [Mandi Walker](#)  
**Cc:** [McClure, Dean, EMNRD](#); [Rikala, Ward, EMNRD](#); [Wrinkle, Justin, EMNRD](#); [Powell, Brandon, EMNRD](#); [Paradis, Kyle Q](#)  
**Subject:** Approved Administrative Order DHC-5315  
**Date:** Friday, August 18, 2023 8:29:05 AM  
**Attachments:** [DHC5315 Order.pdf](#)

---

NMOCD has issued Administrative Order DHC-5315 which authorizes Hilcorp Energy Company (372171) to downhole commingle production within the following well:

**Well Name:** [Howell C #2A](#)  
**Well API:** [30-045-21635](#)

---

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

## Howell C 2A

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

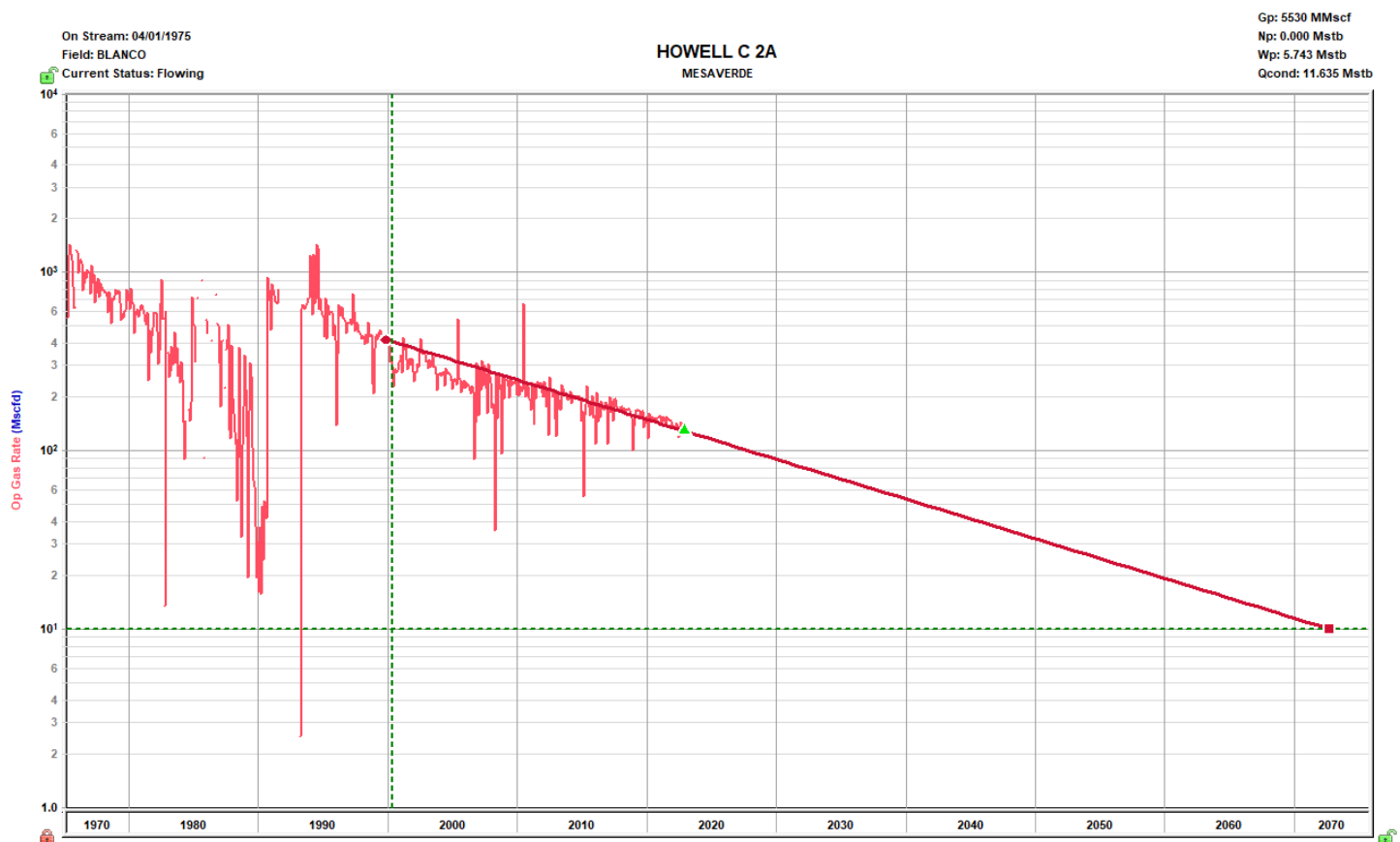
The BHPs of all zones, producing and non-producing, were estimated based upon basin wide Moving-Domain Material Balance models that have proven to approximate the pressure in the given reservoirs well in this portion of the basin, in conjunction with shut-in pressure build-ups. These models were constructed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

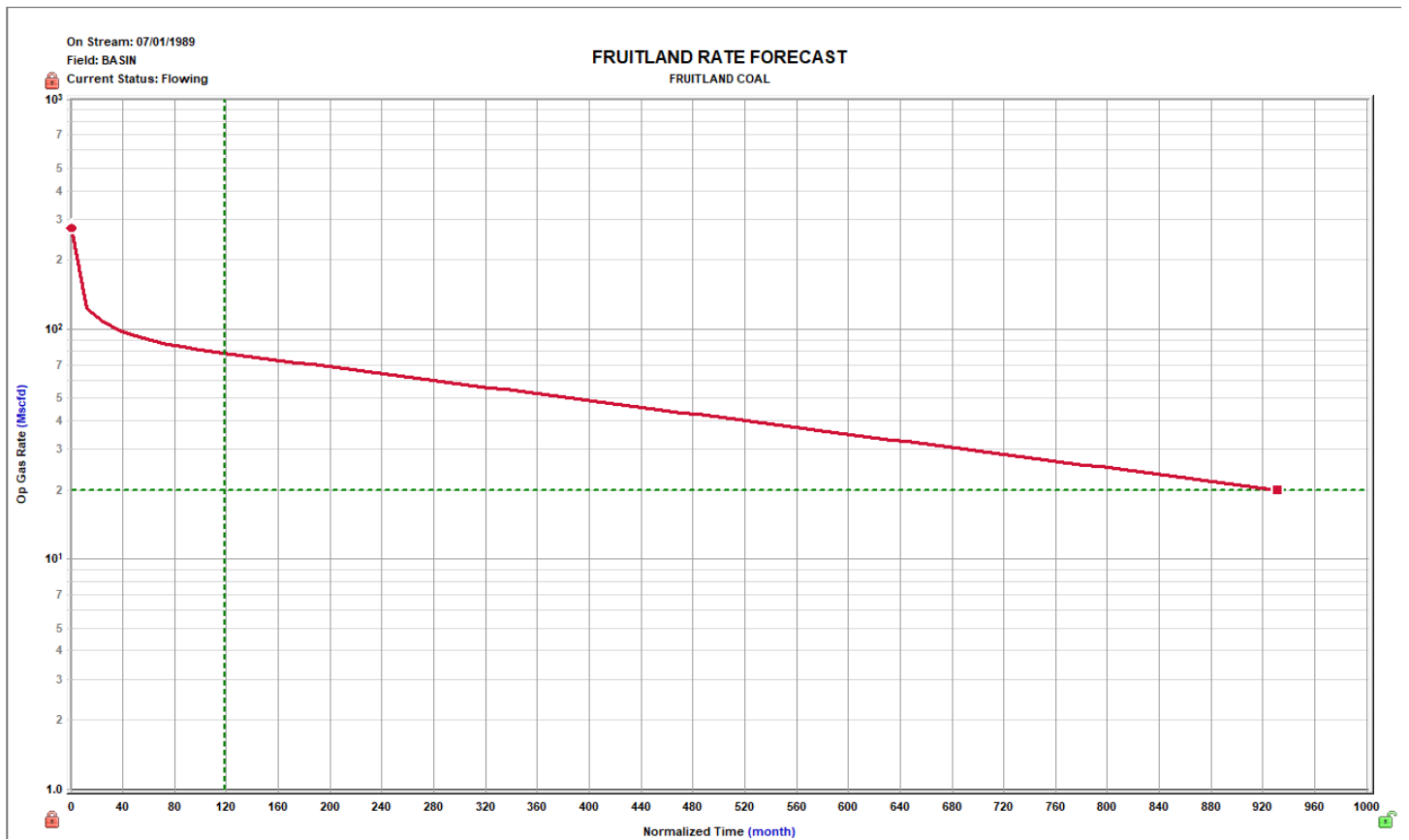
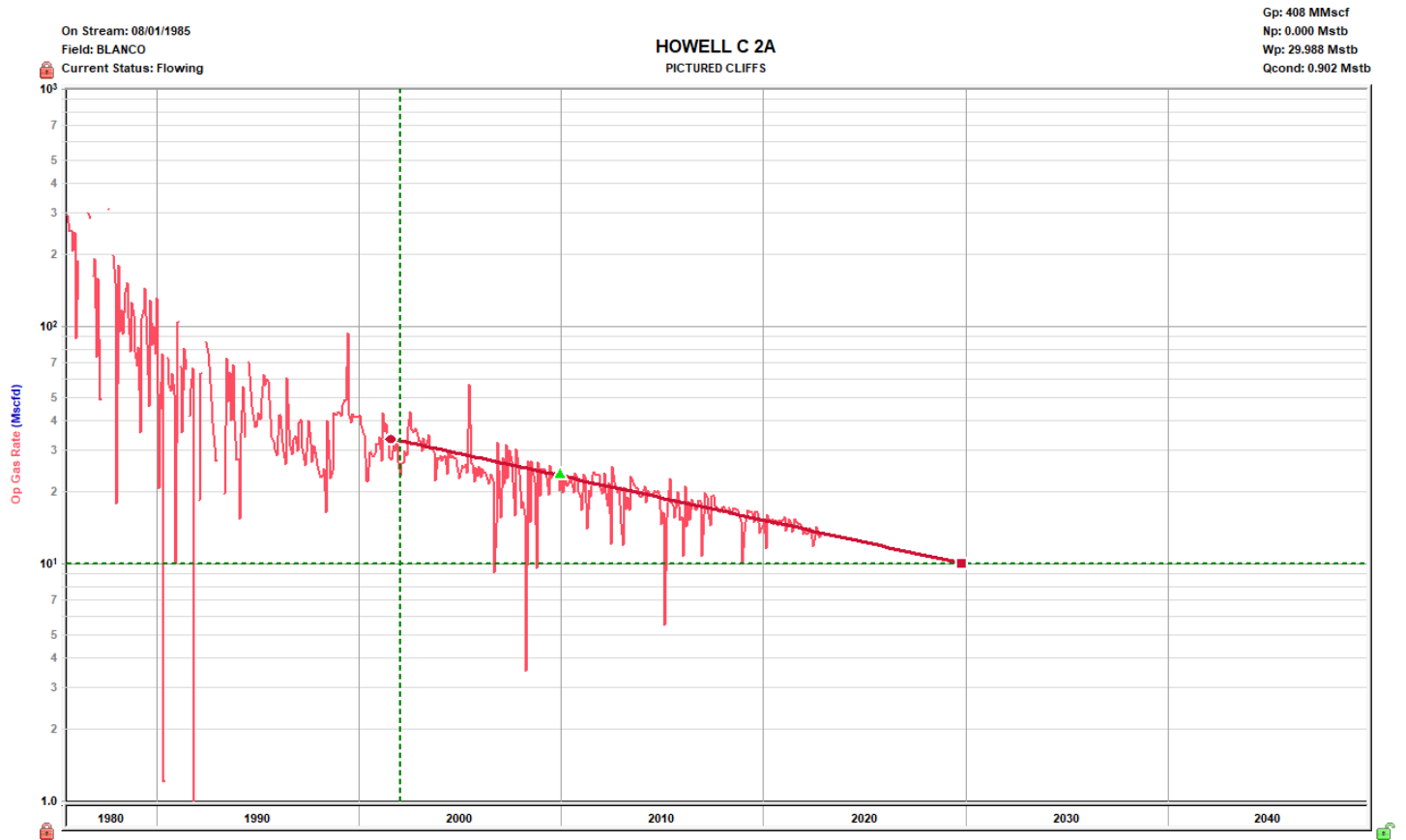
### Production Allocation Method – Subtraction

#### Gas Allocation:

Production for the downhole commingle will be allocated using the subtraction method in agreement with local agencies. The base formation is the Pictured Cliffs & Mesaverde and the added formation to be commingled is the Fruitland Coal. The subtraction method applies an average monthly production forecast to the base formation using historic production. All production from this well exceeding the base formation forecasts will be allocated to the new formation. Base Formations will continue to use a fixed rate MV 90.63%, PC 9.37% that was previously approved. Please see attached approved allocation.

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



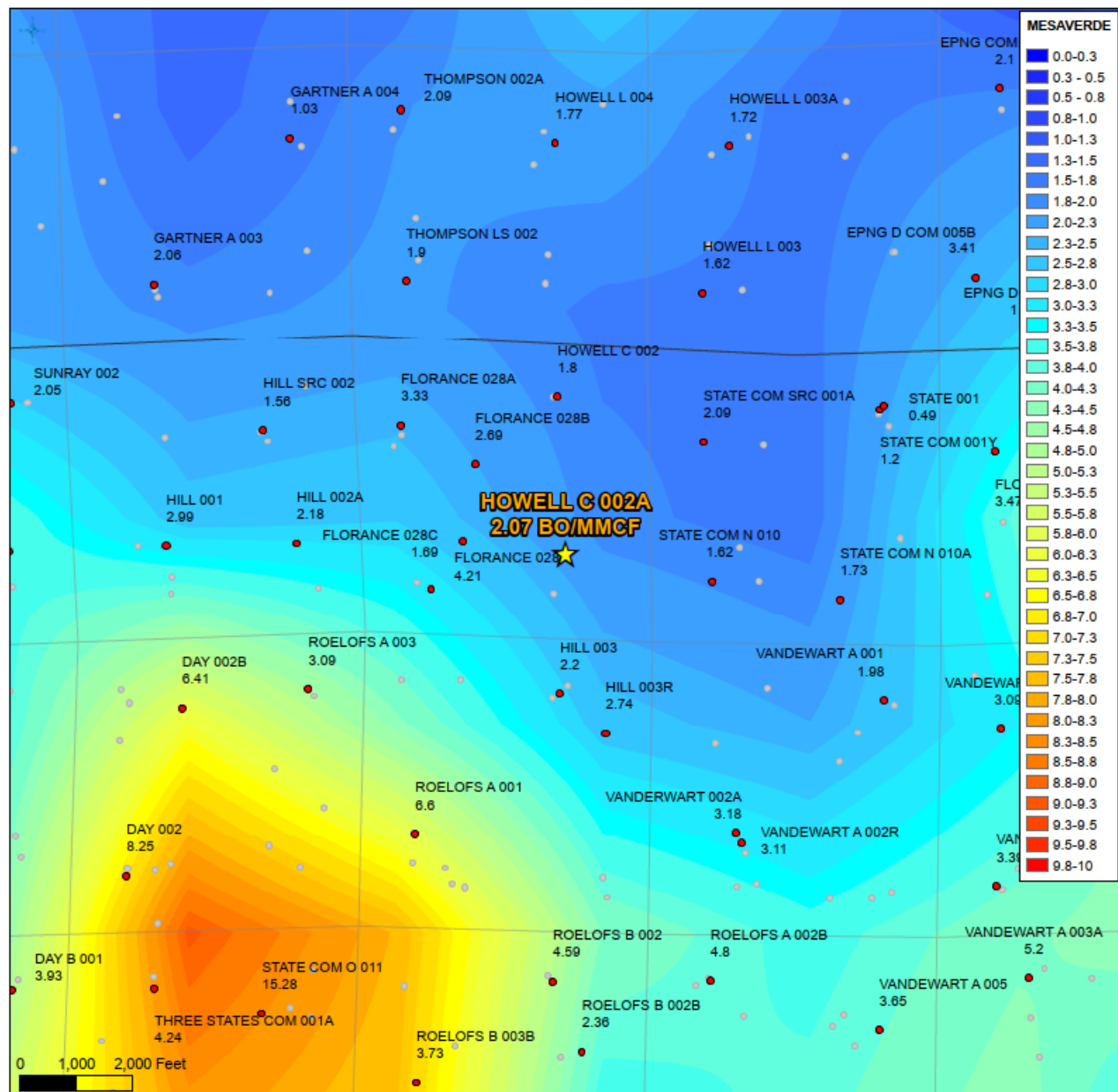


**Oil Allocation:**

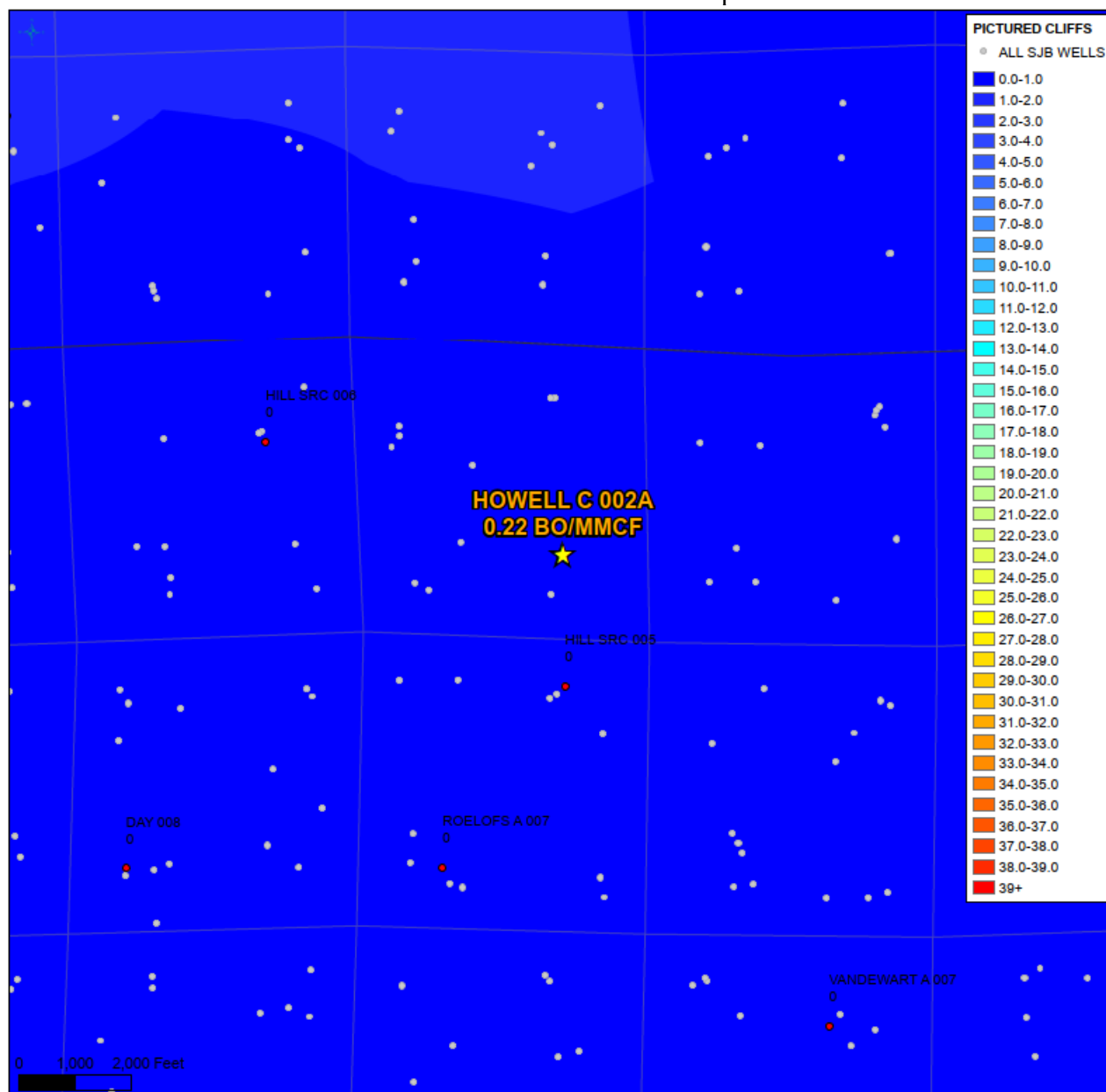
Fruitland Coal is not expected to produce condensate therefore oil allocation will continue to use the previously stated fixed allocation.

| Formation       | Yield (bbl/MM) | Remaining Reserves (MMcf) | % Oil Allocation |
|-----------------|----------------|---------------------------|------------------|
| Mesaverde       | 2.07           | 844                       | 50%              |
| Pictured Cliffs | 0.22           | 114                       | 50%              |
| Fruitland Coal  | 0              | 1,400                     | 0%               |

Mesaverde Oil Yield Map



# Pictured Cliffs Oil Yield Map



## **Supplemental Information for C 107A**

Please submit the values below and amend the C107A. BHP's were calculated in each of the analog wells in the zones being commingled following the process below.

I believe each of the reservoirs to be continuous and in a similar state of depletion based on at the **Howell C 2 A** and each of the wells from which pressures are being derived.

**I believe that commingling the below zones in the target wellbore will not have a negative production impact on neither the existing nor the proposed recompletion pools.**

### **Bottomhole Pressure Derivation**

#### **Beaver Lodge Com 1 A – Standalone MV**

1. 24 hour SI
2. BHP calculated based on SN depth and 24 hr SI casing pressure

#### **Hill SRC 5 – Standalone PC**

1. 24 hour SI
2. BHP calculated based on fluid level echometer shot and 24 hr SI casing pressure

#### **Day B 17– Standalone FC**

1. 24 hour SI
2. BHP calculated based on SN depth and 24 hr SI casing pressure

\*Please note this well is on wellhead compression\*

| <b>Well Name</b>     | <b>API</b> | <b>Formation</b> | <b>BHP</b> |
|----------------------|------------|------------------|------------|
| Beaver Lodge Com 1 A | 3004529427 | MV               | 68 psi     |
| Hill SRC 5           | 3004523308 | PC               | 123 psi    |
| Day B 17             | 3004534024 | FC               | 25 psi     |

**Gas Analyses**

Hilcorp believes the below gas analyses for standalone wells are representative of the proposed commingle pools.

|                 |                     |
|-----------------|---------------------|
| AssetCode       | 3004529427          |
| AssetName       | BEAVER LODGE COM 1A |
| Formation       | MV Standalone       |
| BTUDry          | 1308                |
| SpecificGravity | 0.7685              |
| CO2             | 0.014328            |
| N2              | 0.00179             |
| C1              | 0.778652            |
| C2              | 0.098777            |
| C3              | 0.054425            |
| ISOC4           | 0.011126            |
| NC4             | 0.017441            |
| ISOC5           | 0.006826            |
| NC5             | 0.005163            |
| NEOC5           |                     |
| C6              |                     |
| C6_PLUS         | 0.011472            |

|                 |               |
|-----------------|---------------|
| AssetCode       | 3004523308    |
| AssetName       | HILL SRC 5    |
| Formation       | PC Standalone |
| BTUDry          | 1151.142365   |
| SpecificGravity | 0.665449      |
| CO2             | 0.01284       |
| N2              | 0.00218       |
| C1              | 0.86924       |
| C2              | 0.06073       |
| C3              | 0.03651       |
| ISOC4           | 0.0062        |
| NC4             | 0.00634       |
| ISOC5           | 0.0019        |
| NC5             | 0.00122       |
| NEOC5           |               |
| C6              | 0.002842      |
| C6_PLUS         |               |

|                 |               |
|-----------------|---------------|
| AssetCode       | 3004534024    |
| AssetName       | DAY B 17      |
| Formation       | FC Standalone |
| BTUDry          | 1135          |
| SpecificGravity | 0.6572        |
| CO2             | 0.014335      |
| N2              | 0.001693      |
| C1              | 0.86766       |
| C2              | 0.070399      |
| C3              | 0.033709      |
| ISOC4           | 0.005777      |
| NC4             | 0.003595      |
| ISOC5           | 0.001097      |
| NC5             | 0.000479      |
| NEOC5           |               |
| C6              |               |
| C6_PLUS         | 0.001256      |

**Water Analyses**

Hilcorp believes the below water analyses for standalone wells are representative of the proposed commingle pools.

|                  |                        |
|------------------|------------------------|
| <b>AssetCode</b> | 3003924280             |
| <b>AssetName</b> | SAN JUAN 28-7 Unit 264 |
| <b>Formation</b> | PC Standalone          |

**SJ 28-7 264****2307265-02 (Water)****Sampled Date: 07/26/23 10:45**

| Analyte  | Result | RL     | MDL    | Units        | Dilution | Analyzed       | Method        | Notes | Analyst |
|--|--------|--------|--------|--------------|----------|----------------|---------------|-------|---------|
| <b>General Chemistry</b>                       |        |        |        |              |          |                |               |       |         |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 36.0   | 10.0   | 6.06   | mg/L         | 1        | 08/03/23 15:00 | 2320 B        |       | JDA     |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 6.06   | mg/L         | 1        | 08/03/23 15:00 | 2320 B        |       | JDA     |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 6.06   | mg/L         | 1        | 08/03/23 15:00 | 2320 B        |       | JDA     |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 36.0   | 10.0   | 6.06   | mg/L         | 1        | 08/03/23 15:00 | 2320 B        |       | JDA     |
| Chloride*                                      | 31.6   | 1.00   | 0.0555 | mg/L         | 1        | 08/09/23 02:55 | EPA300.0      |       | AWG     |
| Conductivity*                                  | 190    | 1.00   |        | umho/cm@25 C | 1        | 07/28/23 09:03 | 2510 B        |       | AES     |
| pH*  | 6.43   |        |        | pH Units     | 1        | 07/28/23 09:03 | EPA150.1      |       | AES     |
| pH Temperature, degrees C                      | 19.8   |        |        | pH Units     | 1        | 07/28/23 09:03 | EPA150.1      |       | AES     |
| Resistivity                                    | 5260   |        |        | ohm/cm       | 1        | 08/08/23 14:36 | 2510 B        |       | JDA     |
| Specific Gravity                               | 0.9980 | 0.8000 |        | No Unit      | 1        | 08/09/23 15:13 | ASTM D1429-03 |       | CAI     |
| Sulfate*                                       | <0.620 | 5.00   | 0.620  | mg/L         | 5        | 08/11/23 20:22 | EPA300.0      |       | AWG     |
| Total Dissolved Solids*                        | 125    | 10.0   |        | mg/L         | 1        | 07/31/23 15:37 | EPA160.1      |       | CAI     |
| <b>Potentially Dissolved Metals by ICP</b>     |        |        |        |              |          |                |               |       |         |
| Barium*  | <0.400 | 0.400  | 0.156  | mg/L         | 20       | 08/08/23 16:25 | EPA200.7      |       | AES     |
| Calcium*                                       | <2.00  | 2.00   | 1.24   | mg/L         | 20       | 08/08/23 16:25 | EPA200.7      |       | AES     |
| Hardness, as CaCO <sub>3</sub>                 | <13.2  | 13.2   | 5.98   | mg/L         | 20       | 08/08/23 16:25 | 2340 B        |       | AES     |
| Iron*  | 8.11   | 1.00   | 0.302  | mg/L         | 20       | 08/08/23 16:25 | EPA200.7      |       | AES     |
| Lead*  | <2.00  | 2.00   | 0.214  | mg/L         | 20       | 08/08/23 16:25 | EPA200.7      |       | AES     |
| Magnesium*                                     | <2.00  | 2.00   | 0.702  | mg/L         | 20       | 08/08/23 16:25 | EPA200.7      |       | AES     |
| Manganese*                                     | 0.510  | 0.400  | 0.127  | mg/L         | 20       | 08/08/23 16:25 | EPA200.7      |       | AES     |
| Potassium*                                     | <20.0  | 20.0   | 2.08   | mg/L         | 20       | 08/08/23 16:25 | EPA200.7      |       | AES     |
| Silica (SiO <sub>2</sub> )                     | <3.26  | 21.4   | 3.26   | mg/L         | 20       | 08/08/23 16:25 | Calculation   |       | AES     |
| Silicon  | <10.0  | 10.0   | 1.52   | mg/L         | 20       | 08/08/23 16:25 | EPA200.7      |       | AES     |
| Sodium*  | 28.1   | 20.0   | 8.18   | mg/L         | 20       | 08/08/23 16:25 | EPA200.7      |       | AES     |
| Strontium*                                     | <2.00  | 2.00   | 0.341  | mg/L         | 20       | 08/08/23 16:25 | EPA200.7      |       | AES     |
| Zinc*  | <2.00  | 2.00   | 0.155  | mg/L         | 20       | 08/08/23 16:25 | EPA200.7      |       | AES     |



|           |                           |
|-----------|---------------------------|
| AssetCode | 3003924789                |
| AssetName | SAN JUAN 28-6 NP Unit 408 |
| Formation | FC Standalone             |

**SJ 28-6 NP 408****2307265-03 (Water)****Sampled Date: 07/26/23 11:30**

| Analyte   | Result | RL     | MDL    | Units        | Dilution | Analyzed       | Method        | Notes | Analyst |
|---|--------|--------|--------|--------------|----------|----------------|---------------|-------|---------|
| <b>General Chemistry</b>                                  |        |        |        |              |          |                |               |       |         |
| Alkalinity, Total as CaCO <sub>3</sub> <sup>+</sup>       | 67.0   | 10.0   | 6.06   | mg/L         | 1        | 08/03/23 15:00 | 2320 B        |       | JDA     |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> <sup>+</sup>   | <10.0  | 10.0   | 6.06   | mg/L         | 1        | 08/03/23 15:00 | 2320 B        |       | JDA     |
| Alkalinity, Carbonate as CaCO <sub>3</sub> <sup>+</sup>   | <10.0  | 10.0   | 6.06   | mg/L         | 1        | 08/03/23 15:00 | 2320 B        |       | JDA     |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> <sup>+</sup> | 67.0   | 10.0   | 6.06   | mg/L         | 1        | 08/03/23 15:00 | 2320 B        |       | JDA     |
| Chloride <sup>+</sup>                                     | 0.321  | 1.00   | 0.0555 | mg/L         | 1        | 08/09/23 03:16 | EPA300.0      |       | AWG     |
| Conductivity <sup>+</sup>                                 | 147    | 1.00   |        | umho/cm@25 C | 1        | 07/28/23 09:03 | 2510 B        |       | AES     |
| pH <sup>+</sup>   | 6.37   |        |        | pH Units     | 1        | 07/28/23 09:03 | EPA150.1      |       | AES     |
| pH Temperature, degrees C                                 | 19.4   |        |        | pH Units     | 1        | 07/28/23 09:03 | EPA150.1      |       | AES     |
| Resistivity   | 6800   |        |        | ohm/cm       | 1        | 08/08/23 14:36 | 2510 B        |       | JDA     |
| Specific Gravity  | 1.001  | 0.8000 |        | No Unit      | 1        | 08/09/23 15:13 | ASTM D1429-03 |       | CAI     |
| Sulfate <sup>+</sup>                                      | <0.620 | 5.00   | 0.620  | mg/L         | 5        | 08/11/23 20:42 | EPA300.0      |       | AWG     |
| Total Dissolved Solids <sup>+</sup>                       | <10.0  | 10.0   |        | mg/L         | 1        | 07/31/23 15:39 | EPA160.1      |       | CAI     |
| <b>Potentially Dissolved Metals by ICP</b>                |        |        |        |              |          |                |               |       |         |
| Barium <sup>+</sup>                                       | <0.400 | 0.400  | 0.156  | mg/L         | 20       | 08/08/23 16:28 | EPA200.7      |       | AES     |
| Calcium <sup>+</sup>                                      | <2.00  | 2.00   | 1.24   | mg/L         | 20       | 08/08/23 16:27 | EPA200.7      |       | AES     |
| Hardness, as CaCO <sub>3</sub>                            | <13.2  | 13.2   | 5.98   | mg/L         | 20       | 08/08/23 16:27 | 2340 B        |       | AES     |
| Iron <sup>+</sup>   | 46.8   | 1.00   | 0.302  | mg/L         | 20       | 08/08/23 16:27 | EPA200.7      |       | AES     |
| Lead <sup>+</sup>   | <2.00  | 2.00   | 0.214  | mg/L         | 20       | 08/08/23 16:28 | EPA200.7      |       | AES     |
| Magnesium <sup>+</sup>                                    | <2.00  | 2.00   | 0.702  | mg/L         | 20       | 08/08/23 16:27 | EPA200.7      |       | AES     |
| Manganese <sup>+</sup>                                    | 0.323  | 0.400  | 0.127  | mg/L         | 20       | 08/08/23 16:27 | EPA200.7      | J     | AES     |
| Potassium <sup>+</sup>                                    | <20.0  | 20.0   | 2.08   | mg/L         | 20       | 08/08/23 16:27 | EPA200.7      |       | AES     |
| Silica (SiO <sub>2</sub> )                                | <3.26  | 21.4   | 3.26   | mg/L         | 20       | 08/08/23 16:27 | Calculation   |       | AES     |
| Silicon   | <10.0  | 10.0   | 1.52   | mg/L         | 20       | 08/08/23 16:27 | EPA200.7      |       | AES     |
| Sodium <sup>+</sup>                                       | <20.0  | 20.0   | 8.18   | mg/L         | 20       | 08/08/23 16:27 | EPA200.7      |       | AES     |
| Strontium <sup>+</sup>                                    | <2.00  | 2.00   | 0.341  | mg/L         | 20       | 08/08/23 16:27 | EPA200.7      |       | AES     |
| Zinc <sup>+</sup>   | <2.00  | 2.00   | 0.155  | mg/L         | 20       | 08/08/23 16:28 | EPA200.7      |       | AES     |

|           |                        |
|-----------|------------------------|
| AssetCode | 3003921913             |
| AssetName | SAN JUAN 28-7 UNIT 56A |
| Formation | MV Standalone          |

## SJ 28-7 56A

2307265-01 (Water)

Sampled Date: 07/26/23 10:45

| Analyte  | Result | RL     | MDL    | Units        | Dilution | Analyzed       | Method        | Notes | Analyst |
|--|--------|--------|--------|--------------|----------|----------------|---------------|-------|---------|
| <b>General Chemistry</b>                       |        |        |        |              |          |                |               |       |         |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 28.0   | 10.0   | 6.06   | mg/L         | 1        | 08/03/23 15:00 | 2320 B        |       | JDA     |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 6.06   | mg/L         | 1        | 08/03/23 15:00 | 2320 B        |       | JDA     |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 6.06   | mg/L         | 1        | 08/03/23 15:00 | 2320 B        |       | JDA     |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 28.0   | 10.0   | 6.06   | mg/L         | 1        | 08/03/23 15:00 | 2320 B        |       | JDA     |
| Chloride*                                      | 0.422  | 1.00   | 0.0555 | mg/L         | 1        | 08/09/23 01:11 | EPA300.0      |       | AWG     |
| Conductivity*                                  | 59.6   | 1.00   |        | umho/cm@25 C | 1        | 07/28/23 09:03 | 2510 B        |       | AES     |
| pH*  | 5.67   |        |        | pH Units     | 1        | 07/28/23 09:03 | EPA150.1      |       | AES     |
| pH Temperature, degrees C                      | 18.1   |        |        | pH Units     | 1        | 07/28/23 09:03 | EPA150.1      |       | AES     |
| Resistivity                                    | 16800  |        |        | ohm/cm       | 1        | 08/08/23 14:36 | 2510 B        |       | JDA     |
| Specific Gravity                               | 0.9920 | 0.8000 |        | No Unit      | 1        | 08/09/23 15:13 | ASTM D1429-03 |       | CAI     |
| Sulfate*                                       | <0.620 | 5.00   | 0.620  | mg/L         | 5        | 08/11/23 20:02 | EPA300.0      |       | AWG     |
| Total Dissolved Solids*                        | 110    | 10.0   |        | mg/L         | 1        | 07/31/23 15:35 | EPA160.1      |       | CAI     |
| <b>Potentially Dissolved Metals by ICP</b>     |        |        |        |              |          |                |               |       |         |
| Barium*  | <0.400 | 0.400  | 0.156  | mg/L         | 20       | 08/08/23 16:18 | EPA200.7      |       | AES     |
| Calcium*                                       | <2.00  | 2.00   | 1.24   | mg/L         | 20       | 08/08/23 16:18 | EPA200.7      | M5    | AES     |
| Hardness, as CaCO <sub>3</sub>                 | <13.2  | 13.2   | 5.98   | mg/L         | 20       | 08/08/23 16:18 | 2340 B        |       | AES     |
| Iron*  | 26.0   | 1.00   | 0.302  | mg/L         | 20       | 08/08/23 16:18 | EPA200.7      |       | AES     |
| Lead*  | <2.00  | 2.00   | 0.214  | mg/L         | 20       | 08/08/23 16:18 | EPA200.7      | M5    | AES     |
| Magnesium*                                     | <2.00  | 2.00   | 0.702  | mg/L         | 20       | 08/08/23 16:18 | EPA200.7      |       | AES     |
| Manganese*                                     | 0.286  | 0.400  | 0.127  | mg/L         | 20       | 08/08/23 16:18 | EPA200.7      | J     | AES     |
| Potassium*                                     | <20.0  | 20.0   | 2.08   | mg/L         | 20       | 08/08/23 16:17 | EPA200.7      | M5    | AES     |
| Silica (SiO <sub>2</sub> )                     | <3.26  | 21.4   | 3.26   | mg/L         | 20       | 08/08/23 16:18 | Calculation   |       | AES     |
| Silicon  | <10.0  | 10.0   | 1.52   | mg/L         | 20       | 08/08/23 16:18 | EPA200.7      | M5    | AES     |
| Sodium*  | <20.0  | 20.0   | 8.18   | mg/L         | 20       | 08/08/23 16:18 | EPA200.7      | M5    | AES     |
| Strontium*                                     | <2.00  | 2.00   | 0.341  | mg/L         | 20       | 08/08/23 16:18 | EPA200.7      |       | AES     |
| Zinc*  | <2.00  | 2.00   | 0.155  | mg/L         | 20       | 08/08/23 16:18 | EPA200.7      |       | AES     |

**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-5315**

**ORDER**

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

**FINDINGS OF FACT**

1. Hilcorp Energy Company ("Applicant") submitted a complete application ("Application") to downhole commingle the pools described in Exhibit A ("the Pools") within the well bore of the well identified in Exhibit A ("the Well").
2. Applicant proposed a method to allocate the oil and gas production from the Well to each of the Pools that is satisfactory to the OCD and protective of correlative rights.
3. Applicant has certified that the proposed commingling of the Pools shall not result in shut-in or flowing well bore pressure in excess of the commingled pool's fracture parting pressure.
4. Applicant has certified that all produced fluids from all the Pools are compatible with each other.
5. Applicant has certified that downhole commingling the Pools will not decrease the value of the oil and gas production.
6. To the extent that ownership is identical, Applicant submitted a certification by a licensed attorney or qualified petroleum landman that ownership in the Pools is identical as defined by 19.15.12.7(B) NMAC.
7. Applicant provided notice of the Application to the Bureau of Land Management ("BLM") or New Mexico State Land Office ("NMSLO"), as applicable.

**CONCLUSIONS OF LAW**

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

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

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

### **ORDER**

1. Applicant is authorized to downhole commingle the Pools described in Exhibit A within the well bore of the well identified in Exhibit A.
2. This Order supersedes Order DHC-2598.
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. zero percent (0%) shall be allocated to the BASIN FRUITLAND COAL (GAS) pool (pool ID: 71629);
  - b. fifty percent (50%) shall be allocated to the BLANCO PICTURED CLIFFS (GAS) pool (pool ID: 72359); and
  - c. fifty percent (50%) 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 BLANCO PICTURED CLIFFS (GAS) pool (pool ID: 72359); 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. nine and thirty-seven hundredths percent (9.37%) shall be allocated to the BLANCO PICTURED CLIFFS (GAS) pool (pool ID: 72359); and
- b. ninety and sixty-three hundredths percent (90.63%) 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**



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**DYLAN M. FUGE  
DIRECTOR**

**DATE:** 8/17/2023

State of New Mexico  
Energy, Minerals and Natural Resources Department

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## Exhibit A

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Order: **DHC-5315**

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

Well Name: **Howell C #2A**

Well API: **30-045-21635**

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Pool Name: **BASIN FRUITLAND COAL (GAS)**

Upper Zone

Pool ID: **71629**

Current:

New: **X**

Allocation:

Oil:

Gas:

Interval: **Perforations**

Top: **2,715**

Bottom: **3,000**

---

Pool Name: **BLANCO PICTURED CLIFFS (GAS)**

Intermediate Zone

Pool ID: **72359**

Current: **X**

New:

Allocation:

Oil: **50%**

Gas:

Interval: **Perforations**

Top: **3,023**

Bottom: **3,082**

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

---

Pool Name: **BLANCO-MESAVERDE (PRORATED GAS)**

Lower Zone

Pool ID: **72319**

Current: **X**

New:

Allocation:

Oil: **50%**

Gas:

Interval: **Perforations**

Top: **4,642**

Bottom: **5,468**

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  
**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 197206

CONDITIONS

|  |  |
|--|--|
| Operator:<br>HILCORP ENERGY COMPANY<br>1111 Travis Street<br>Houston, TX 77002 | OGRID:<br>372171                                     |
|  | Action Number:<br>197206                             |
|  | Action Type:<br>[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. | 8/18/2023      |