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

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

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

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.

_____ Date

_____ Print or Type Name

_____ Phone Number

Cherylene Weston
_____ Signature

_____ 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
__X__ Yes ____No

APPLICATION FOR DOWNHOLE COMMINGLING

Hilcorp Energy Company — Operator
382 Road 3100, Aztec, NM 87410 — Address

San Juan 28-5 Unit — Lease
61E — Well No.
E-18-T28N-R05W — Unit Letter-Section-Township-Range
Rio Arriba — County

OGRID No. 372171 Property Code 318708 API No. 30-039-23837 Lease Type: __X__ Federal ____State ____Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Blanco-Mesaverde (Prorated Gas)	Munoz Canyon Gallup (Gas)	Basin Dakota (Prorated Gas)
Pool Code	72319	96767	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5291' - 6240'	7325' – 7570'	7879' – 8070'
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)	782 psi	2015 psi	1664 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1247 BTU	1420 BTU	1062 BTU
Producing, Shut-In or New Zone	NEW ZONE	NEW ZONE	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: Rates:	Date: 6/1/2023 Rates: 286 Mcf-Gas 0 bbl-Oil 2 bbl-Water	Date: 6/1/2023 Rates: 349 Mcf-Gas 0 bbl-Oil 3 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__X___
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes_____ No__X___

Are all produced fluids from all commingled zones compatible with each other? Yes__X___ No_____

Will commingling decrease the value of production? Yes_____ No__X___

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__X____ No_____

NMOCD Reference Case No. applicable to this well: R-13764

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 Cherylene Weston TITLE Operations/Regulatory Technician DATE 08/31/2023

TYPE OR PRINT NAME Cherylene Weston TELEPHONE NO. (713) 289-2615

E-MAIL ADDRESS cweston@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
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-102
August 1, 2011

Permit 259652

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-039-23837	72319	BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code	**5. Property Name**	**6. Well No.**
318708	SAN JUAN 28 5 UNIT	061E
7. OGRID No.	**8. Operator Name**	**9. Elevation**
372171	HILCORP ENERGY COMPANY	6713

10. Surface Location

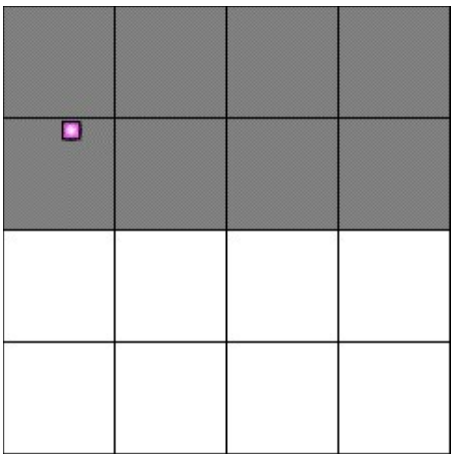
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	18	28N	05W		1450	N	790	W	RIO ARRIBA

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County

12. Dedicated Acres	13. Joint or Infill	14. Consolidation Code	15. Order No.
320.00 N/2			

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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Etta Trujillo
Title: Operations/Regulatory Tech Sr
Date: 11/16/2018

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Surveyed By: William E. Mahnke
Date of Survey: 7/16/1985
Certificate Number: 8466

...241-1980
...NM 88211-0719
...Aztec, NM 87410
...Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Depa...

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

97 DEC -2 PM 1:38
...FARMINGTON, NM

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹API Number	²Pool Code	³Pool Name
30-039-23837	96767/71599	WC:Munoz Canyon Gallup/Basin Dakota

⁴Property Code	⁵Property Name	⁶Well Number
7460	SAN JUAN 28-5 UNIT	61E

⁷OGRID No.	⁸Operator Name	⁹Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	6713'

¹⁰ Surface Location

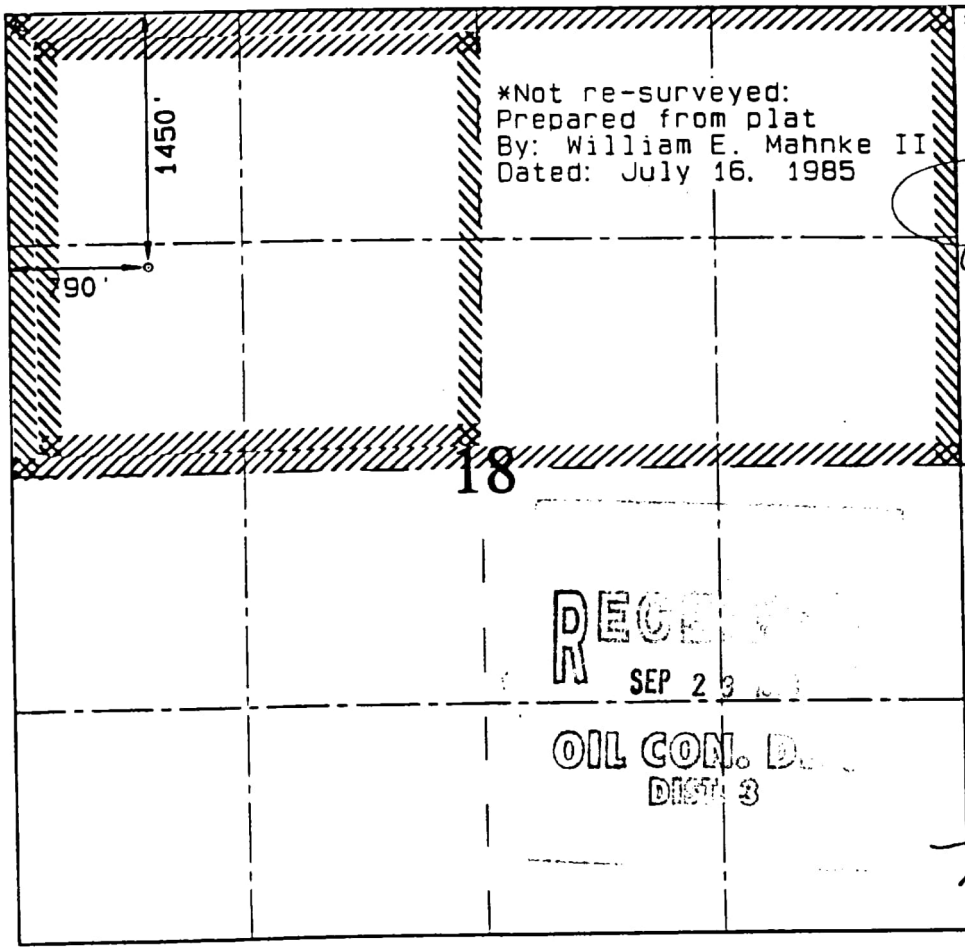
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	18	28N	5W		1450	North	790	West	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

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

¹²Dedicated Acres	¹³Joint or Infill	¹⁴Consolidation Code	¹⁵Order No.
Gal - 160 DK - N/320			

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 Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Administrato...
Title

12-2-97
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.

NOVEMBER 20, 1997
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
REGISTERED PROFESSIONAL SURVEYOR

6857
Certificate Number

San Juan 28-5 Unit 61E Production Allocation

Date	Dakota Mcfd	Mancos Mcfd
Oct-23	11.5	10.2
Nov-23	11.5	10.2
Dec-23	11.4	10.1
Jan-24	11.3	10.1
Feb-24	11.3	10
Mar-24	11.2	10
Apr-24	11.1	9.9
May-24	11.1	9.9
Jun-24	11	9.9
Jul-24	10.9	9.8
Aug-24	10.9	9.8
Sep-24	10.8	9.7
Oct-24	10.7	9.7
Nov-24	10.7	9.7
Dec-24	10.6	9.6
Jan-25	10.5	9.6
Feb-25	10.5	9.5
Mar-25	10.4	9.5
Apr-25	10.3	9.4
May-25	10.3	9.4
Jun-25	10.2	9.4
Jul-25	10.2	9.3
Aug-25	10.1	9.3
Sep-25	10	9.2
Oct-25	10	9.2
Nov-25	9.9	9.2
Dec-25	9.9	9.1
Jan-26	9.8	9.1
Feb-26	9.7	9.1
Mar-26	9.7	9
Apr-26	9.6	9
May-26	9.6	8.9
Jun-26	9.5	8.9
Jul-26	9.5	8.9
Aug-26	9.4	8.8
Sep-26	9.3	8.8
Oct-26	9.3	8.7
Nov-26	9.2	8.7
Dec-26	9.2	8.7
Jan-27	9.1	8.6
Feb-27	9.1	8.6
Mar-27	9	8.6
Apr-27	9	8.5
May-27	8.9	8.5
Jun-27	8.8	8.5
Jul-27	8.8	8.4
Aug-27	8.7	8.4
Sep-27	8.7	8.3
Oct-27	8.6	8.3
Nov-27	8.6	8.3
Dec-27	8.5	8.2
Jan-28	8.5	8.2
Feb-28	8.4	8.2
Mar-28	8.4	8.1
Apr-28	8.3	8.1
May-28	8.3	8.1
Jun-28	8.2	8
Jul-28	8.2	8
Aug-28	8.1	8
Sep-28	8.1	7.9
Oct-28	8	7.9
Nov-28	8	7.9
Dec-28	7.9	7.8
Jan-29	7.9	7.8
Feb-29	7.8	7.8
Mar-29	7.8	7.7
Apr-29	7.7	7.7
May-29	7.7	7.7
Jun-29	7.6	7.6
Jul-29	7.6	7.6
Aug-29	7.6	7.6
Sep-29	7.5	7.5
Oct-29	7.5	7.5
Nov-29	7.4	7.5
Dec-29	7.4	7.4
Jan-30	7.3	7.4
Feb-30	7.3	7.4
Mar-30	7.2	7.3
Apr-30	7.2	7.3
May-30	7.2	7.3
Jun-30	7.1	7.2
Jul-30	7.1	7.2
Aug-30	7	7.2
Sep-30	7	7.2
Oct-30	6.9	7.1

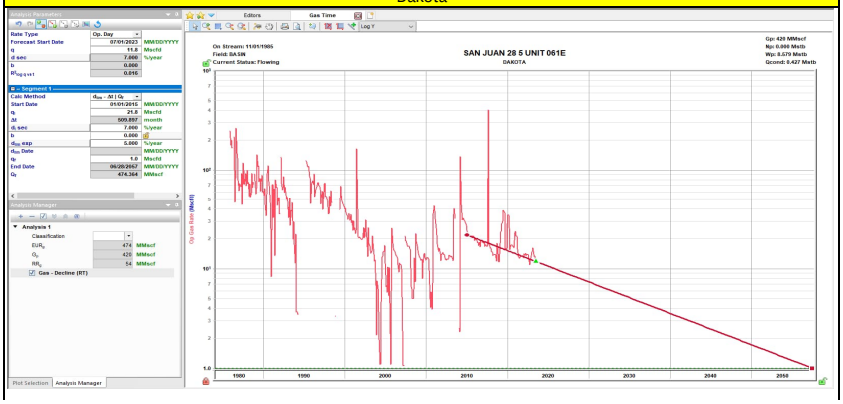
The forecasts for Gallup and Mesaverde production have been generated using type curves of production in the surrounding trend.

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. These models were constructed incorporating reservoir dynamics and physics, historic production, and observed pressure data. Historic commingling operations have proven reservoir fluids are compatible.

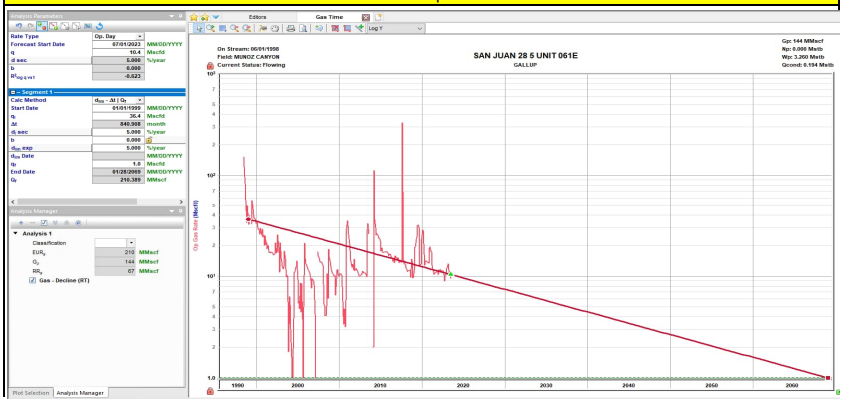
Current Zone 1 Forecast

Dakota



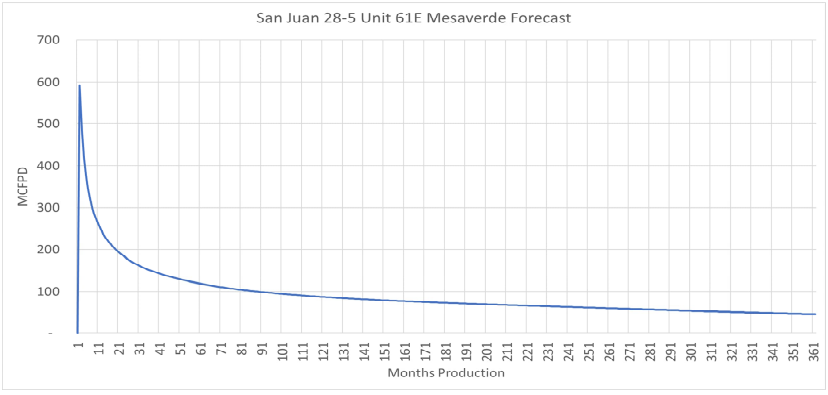
Current Zone 2 Forecast

Gallup



Proposed Zone 1 Forecast

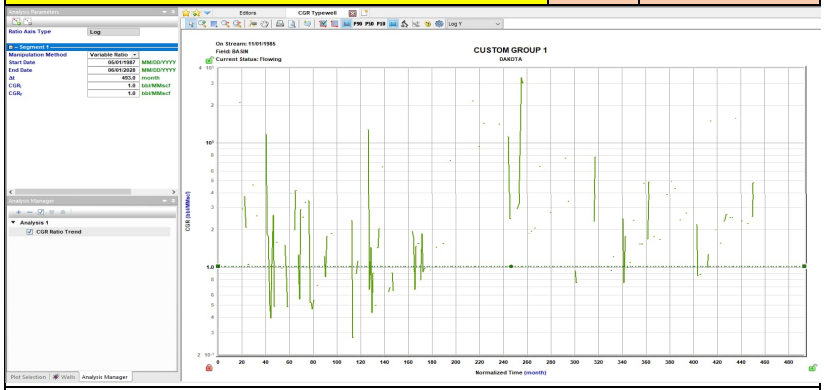
Blanco Mesaverde



Average initial production curve in geologic region.

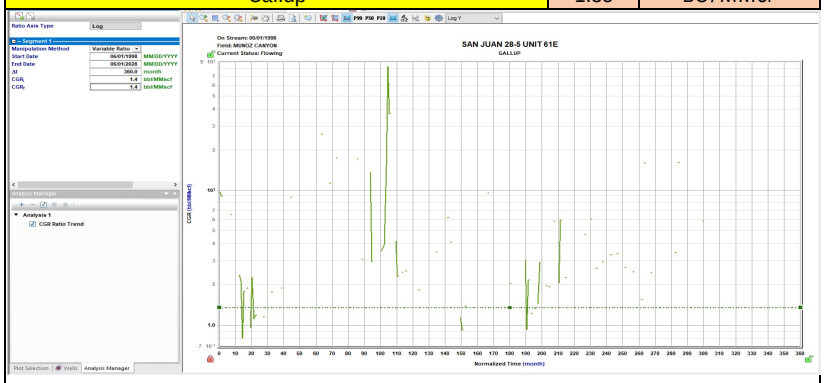
Formation	Yield (bbl/MM)	Remaining Reserves (MMcf)	% Oil Allocation
DK	1.02	54	1%
MC	1.35	67	2%
MV	4.41	1000	97%
			100%

Current Zone 1 Oil Yield Map		
Dakota	1.02	BO/MMCF



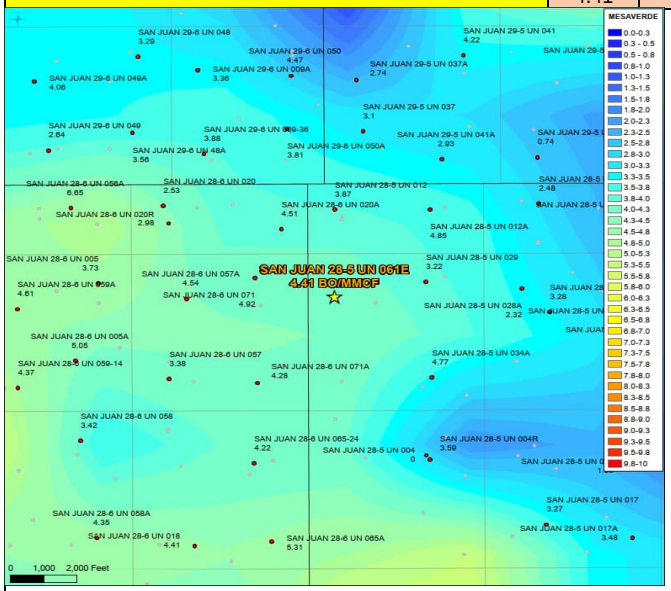
9-Section Area Map of Standalone Oil Yields. Sampled well to this map.

Current Zone 2 Oil Yield Map		
Gallup	1.35	BO/MMCF



Average Oil Yield from Vertical Mancos Type Curve.

Proposed Zone - Mesaverde Oil Yield Map		
	4.41	BO/MMCF



9-Section Area Map of Standalone Oil Yields. Sampled well to this map.

RECEIVED
NOV 15 2018
Farmington Field Office
Bureau of Land Management

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

5. Lease Serial No. **NMSF079250**

6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No. **San Juan 28-5 Unit**

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other

8. Well Name and No. **San Juan 28-5 Unit 61E**

2. Name of Operator **Hilcorp Energy Company**

9. API Well No. **30-039-23837**

3a. Address **382 Road 3100, Aztec, NM 87410**

3b. Phone No. (include area code) **505-599-3400**

10. Field and Pool or Exploratory Area **Blanco MV/WC MZ Cnyn GP/Basin DK**

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
Surface Unit E (SW/NW) 1450'FNL &790' FWL, Sec. 18 T28N, R05W

11. Country or Parish, State **Rio Arriba , New Mexico**

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[X] Recomplete	[ ] Other
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Hilcorp Energy Company plans to recomplete the subject well in the Mesaverde formation and downhole commingle the existing Gallup and Dakota. Attached is the MV C102, recomplete procedure & wellbore schematic. The DHC application will be submitted and approved before the work proceeds. A closed loop system will be utilized. Interim reclamation will be performed after surface disturbing activities.

SUBMIT CBL TO THE AGENCIES FOR REVIEW AND APPROVAL

HOLD C104 FOR DHC
Density exception

**Please note: MV is pending approval of well density hearing*

NMOCD

DEC 20 2018

DISTRICT III

Notify NMOCD 24 hrs prior to beginning operations

BLM'S APPROVAL OF ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
Etta Trujillo Title **Operations/Regulatory Technician - Sr.**

Signature Etta Trujillo Date 11/16/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Jack Savage Title PE Date 12/17/18

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office FFO

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.

(Instruction on page 2)

NMOCD AV

4

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Form C-102
August 1, 2011

Permit 259652

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
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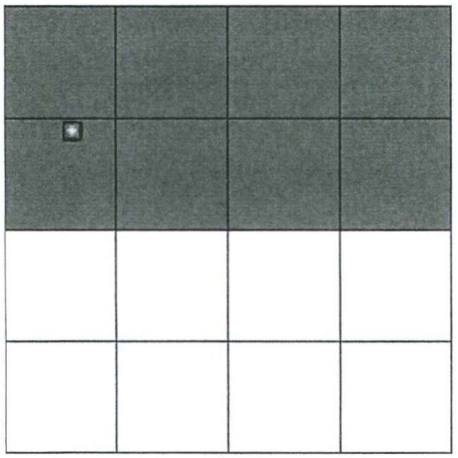

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E-Signed By: *Etta Trujillo*
Title: Operations/Regulatory Tech Sr
Date: 11/16/2018

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Surveyed By: William E. Mahnke
Date of Survey: 7/16/1985
Certificate Number: 8466

Hilcorp

HILCORP ENERGY COMPANY
SAN JUAN 28-5 UNIT 61E
MESA VERDE RECOMPLETION SUNDRY

JOB PROCEDURES

1. MIRU service rig and associated equipment; test BOP.
2. TOOH with **2-3/8"** tubing set at **7,568'**.
3. Set a **4-1/2"** plug at +/- **6,490'** to isolate the **Gallup and Dakota Foramtions.**
4. RU Wireline. Run CBL. Record Top of Cement.
5. Load the hole and pressure test the casing.
6. N/D BOP, N/U frac stack and pressure test frac stack.
7. Perforate and frac the **Mesa Verde** formation (Top Perforation @ **5,291'**; Bottom Perforation @ **6,240'**).
8. Isolate frac stages with a plug.
9. Nipple down frac stack, nipple up BOP and test.
10. TIH with a mill and drill out top isolation plug and **Mesa Verde** frac plugs.
11. Clean out to **Gallup and Dakota** isolation plug.
12. Drill out **Gallup and Dakota** isolation plug and cleanout to PBTD of **7,678'**. TOOH.
13. TIH and land production tubing. Get a commingled **Gallup + Dakota + Mesa Verde** flow rate.

HILCORP ENERGY COMPANY
SAN JUAN 28-5 UNIT 61E
MESA VERDE RECOMPLETION SUNDRY

SAN JUAN 28-5 UNIT 61E - CURRENT WELLBORE SCHEMATIC

Hilcorp Energy Company

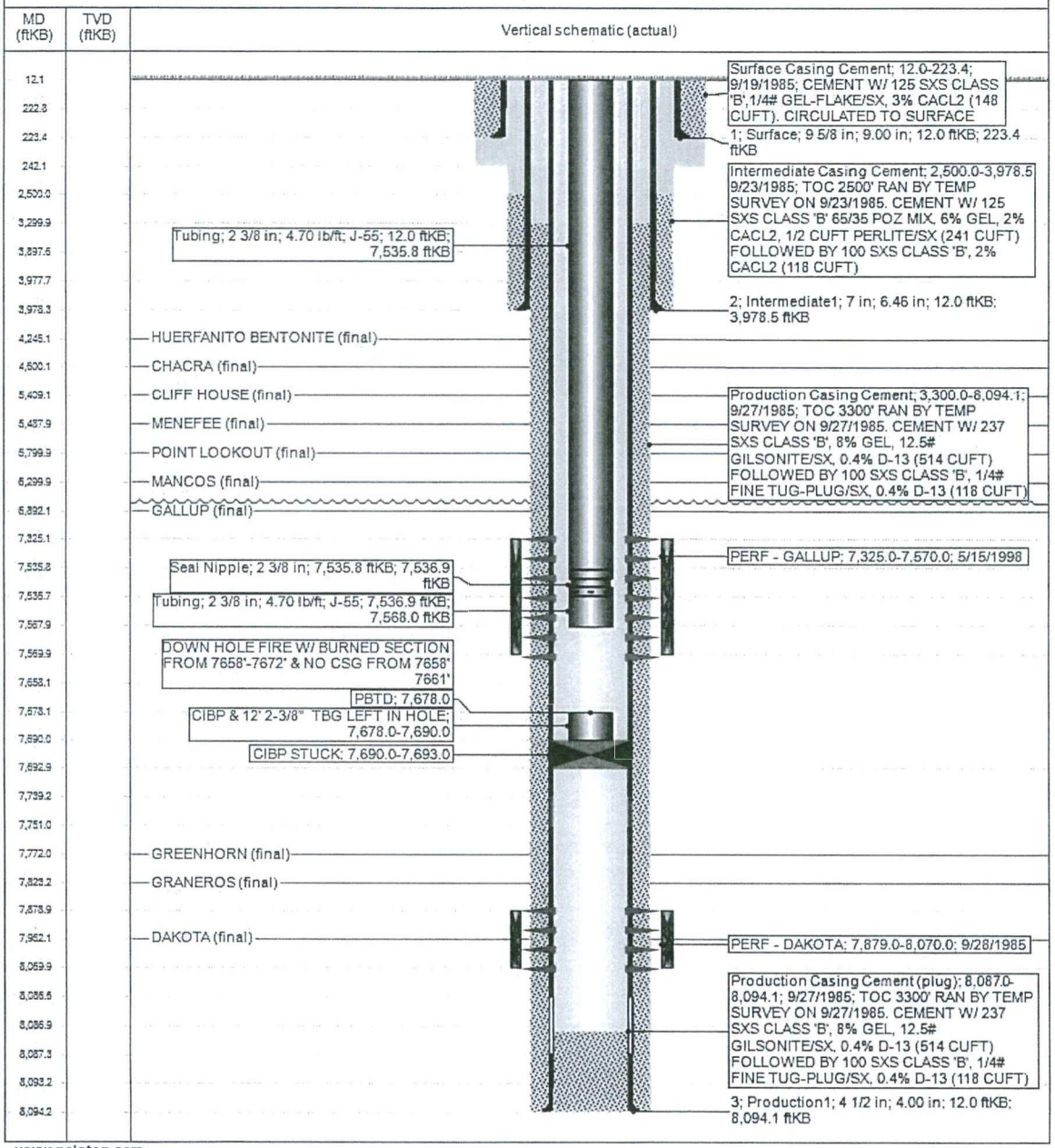
Current Schematic - Version 3

Well Name: SAN JUAN 28-5 UNIT #61E

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3003923837	018-028N-005W-E	BSN DK(PRO GAS) #0068	1304	NEW MEXICO	VERTICAL

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
6,713.00	6,725.00	12.00		

VERTICAL, Original Hole, 11/2/2018 1:38:44 PM



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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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, NM 87505

Submit Original to Appropriate District Office

NMOCD
JAN 03 2019
DISTRICT III

GAS CAPTURE PLAN

Date: 11/16/2018

☒ Original
☐ Amended - Reason for Amendment:

Operator & OGRID No.: **Hilcorp Energy Company 372171**

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
San Juan 28-5 Unit 61E	**3003923837**	**E,18,28N,5W**	**1450' FNL 790' FWL**	**450**	**Vented**	

Gathering System and Pipeline Notification

This is a recompletion of a producing gas well. Gas production, sales and transportation infrastructure is already in place. The gas is dedicated to **Enterprise** and will be connected to their gathering system located in San Juan County, New Mexico. Gas from these wells will be processed at **Chaco** Processing Plant located in Sec. **16**, Twn. **26N**, Rng. **12W**, **San Juan** County, New Mexico.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be routed to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on **Enterprise** system at that time. Based on current information, it is Hilcorp's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

Hilcorp

August 31, 2023

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

Re: C-107A (Downhole Commingle)
San Juan 28-5 Unit 61E
API No. 30-039-23837
Section 18, T28N-R05W
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 Dakota (Pool Code: 71599)***
- ***Munoz Canyon Gallup (Pool Code: 96767)***
- ***Blanco Mesaverde (Pool Code: 72319)***

Order No. R-13764 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

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

From: 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 O
Subject: Approved Administrative Order DHC-5330
Date: Friday, October 20, 2023 5:06:12 PM
Attachments: DHC5330 Order.pdf

NMOCD has issued Administrative Order DHC-5330 which authorizes Hilcorp Energy Company (372171) to downhole commingle production within the following well:

Well Name: **San Juan 28-5 Unit #61E**
Well API: **30-039-23837**

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

From: Cheryl Weston
To: McClure, Dean, EMNRD
Subject: RE: [EXTERNAL] Action ID: 261060; DHC-5330
Date: Friday, October 13, 2023 2:48:34 PM
Attachments: San Juan 28-5 Unit 61E Allocation Backup.pdf

Dean,

Here is the corrected allocation back up documentation. Let me know if you have further questions.

Thanks,
Cheryl

From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Sent: Friday, October 13, 2023 3:29 PM
To: Cheryl Weston <cweston@hilcorp.com>; Mandi Walker <mwalker@hilcorp.com>
Subject: [EXTERNAL] Action ID: 261060; DHC-5330

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

To whom it may concern (c/o Cheryl Weston for Hilcorp Energy Company),

The Division is reviewing the following application:

Action ID	261060
Admin No.	DHC-5330
Applicant	Hilcorp Energy Company (372171)
Title	San Juan 28-5 Unit #61E
Sub. Date	8/31/2023

Please provide the following additional supplemental documents:

-

Please provide additional information regarding the following:

- Please review the proposed allocation of oil. The GOR values on the included table are in disagreement with the included yield maps. Additionally, the table is missing the estimated remaining reserves. Once the allocation is reviewed, please provide a new copy of the table including a column that details the estimated remaining reserves. If it is the included yield maps that are inaccurate, please provide copies of the correct yield maps.

Additional notes:

-

All additional supplemental documents and information may be provided via email and should be done by replying to this email. The produced email chain will be uploaded to the file for this application.

Please note that failure to take steps to address each of the requests made in this email within 10 business days of receipt of this email may result in the Division rejecting the application requiring the submittal of a new application by the applicant once it is prepared to address each of the topics raised.

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

San Juan 28-5 Unit 61E Allocation

The forecasts for Mesaverde production have been generated using type curves of production in the surrounding trend.

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

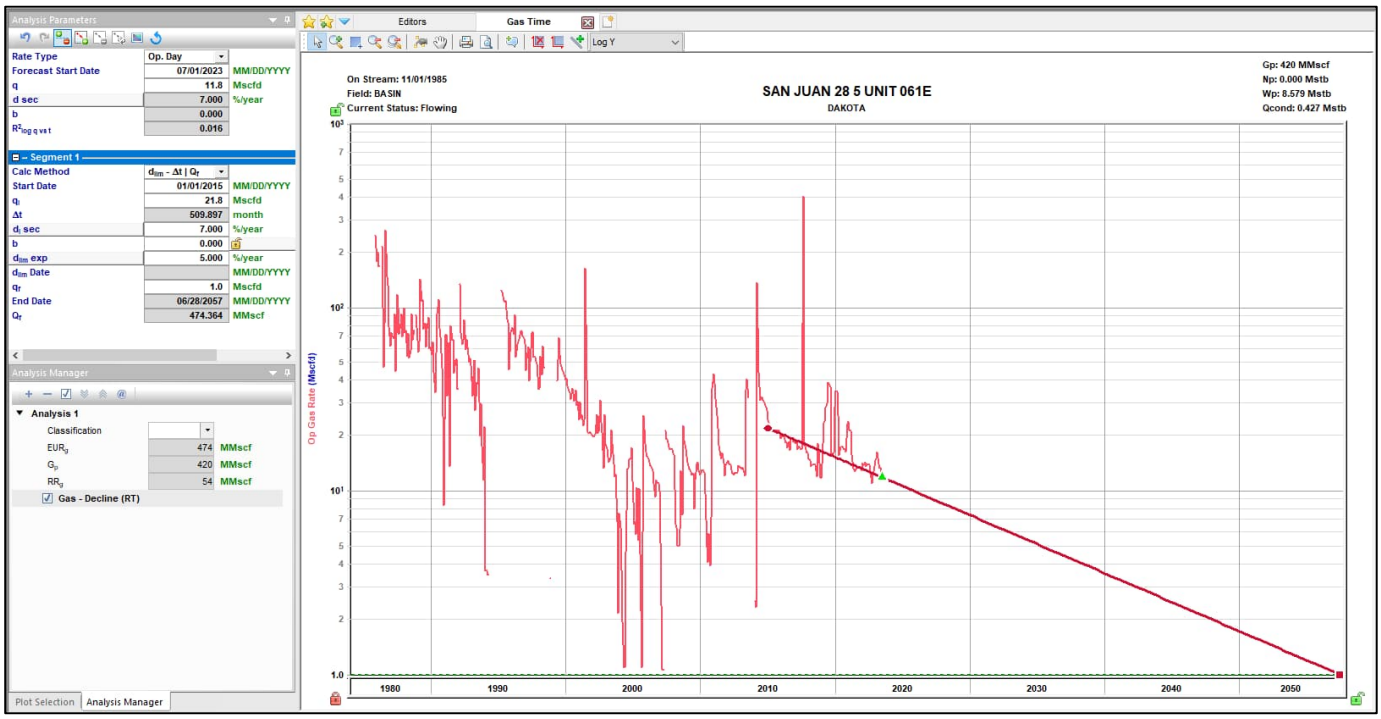
Gas Allocation:

Production for the downhole commingle will be allocated using the subtraction method in agreement with local agencies. The base formations are the Dakota/Gallup and the added formation to be trimmingled is the Mesaverde. The subtraction method applies an average monthly production forecast to the base formations using historic production. All production from this well exceeding the base formation forecasts will be allocated to the new formation.

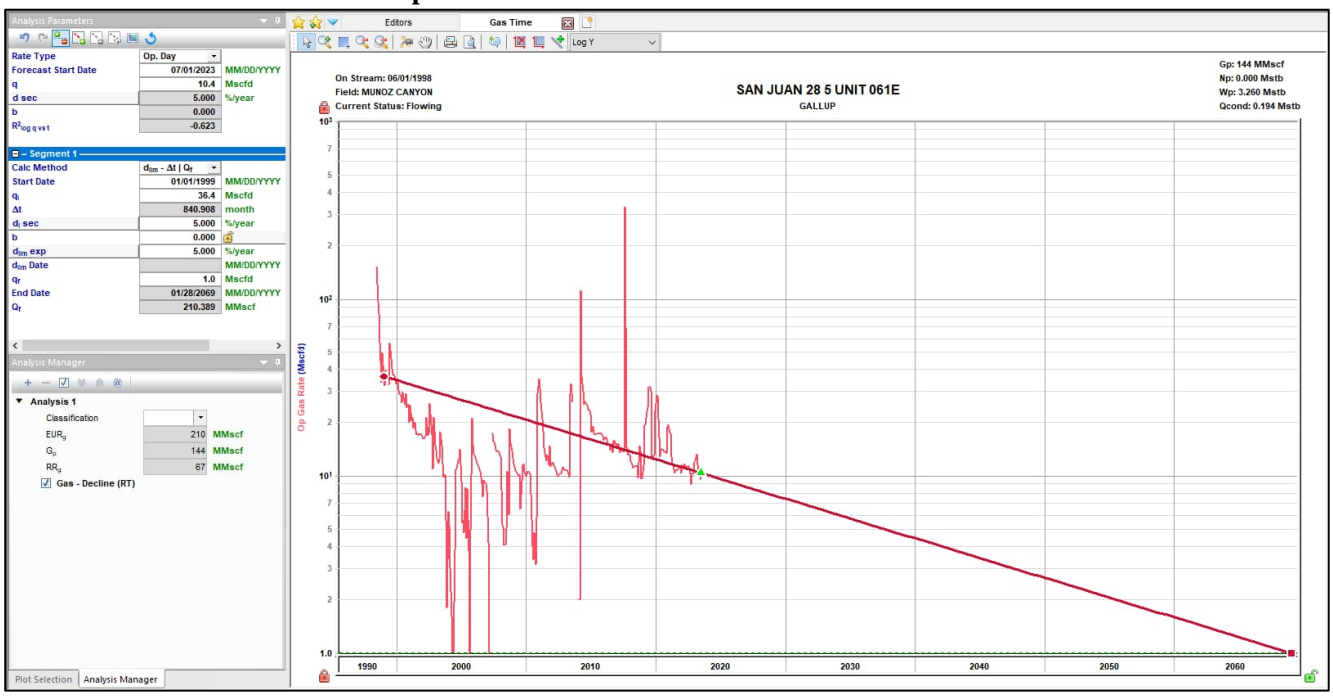
Hilcorp intends to continue to allocate the projected base production on the same fixed percentages to the following pools 55% (DK) 45% (GL) while the subtraction method is being used to determine the allocation to the new zone.

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.

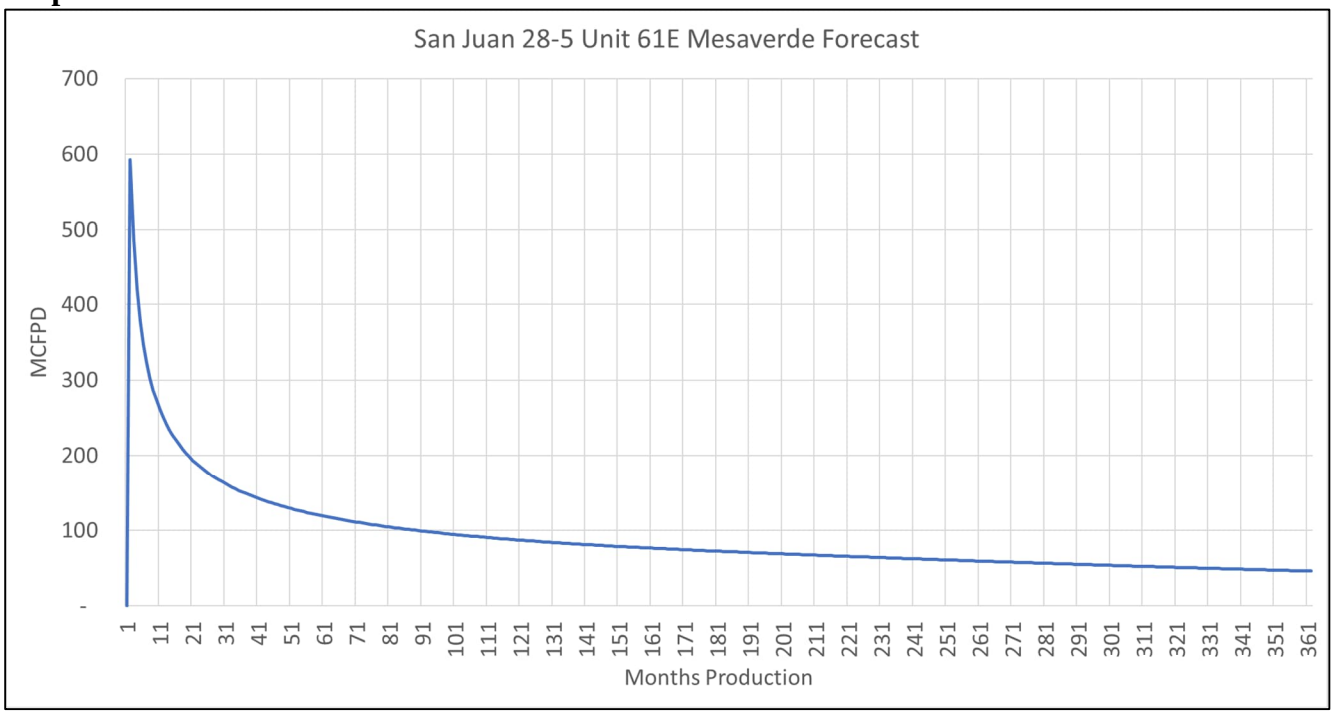
Current Zone 1 Forecast – Dakota



Current Zone 2 Forecast – Gallup



Proposed Zone Forecast - Mesaverde



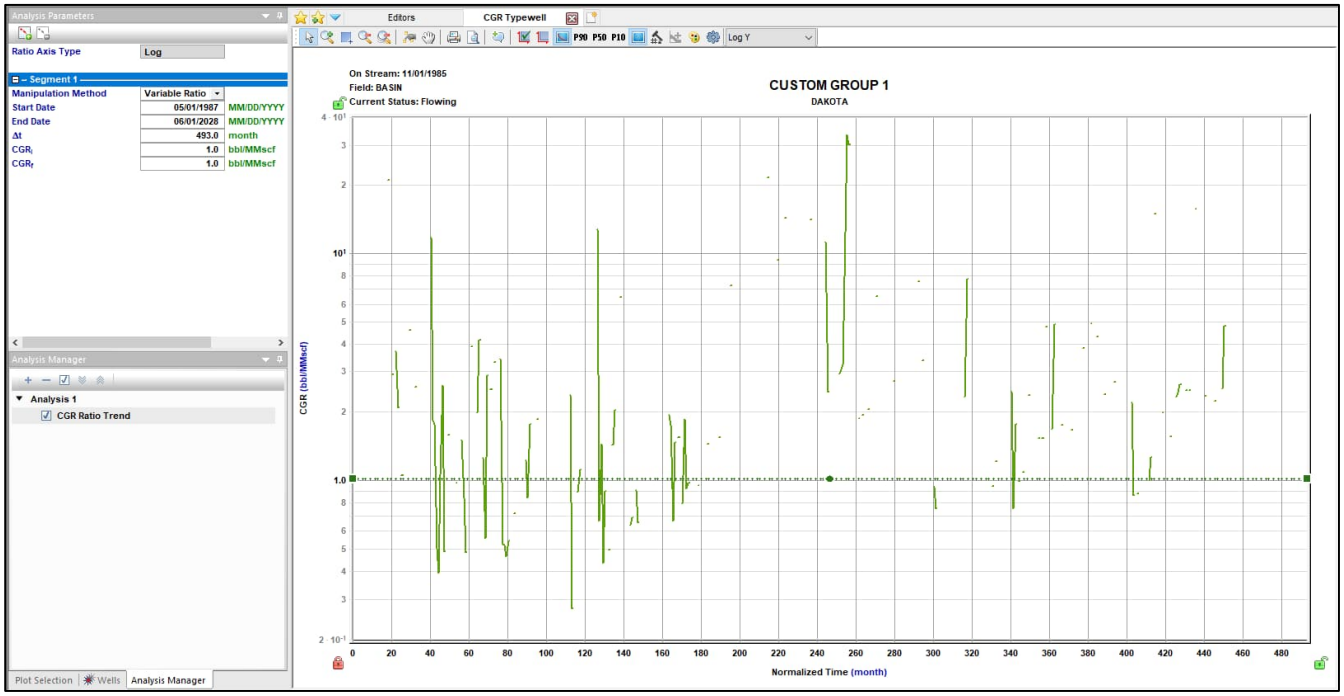
Average initial production curve in geologic region.

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 adjusted as needed based on average formation yields and new fixed gas allocation.

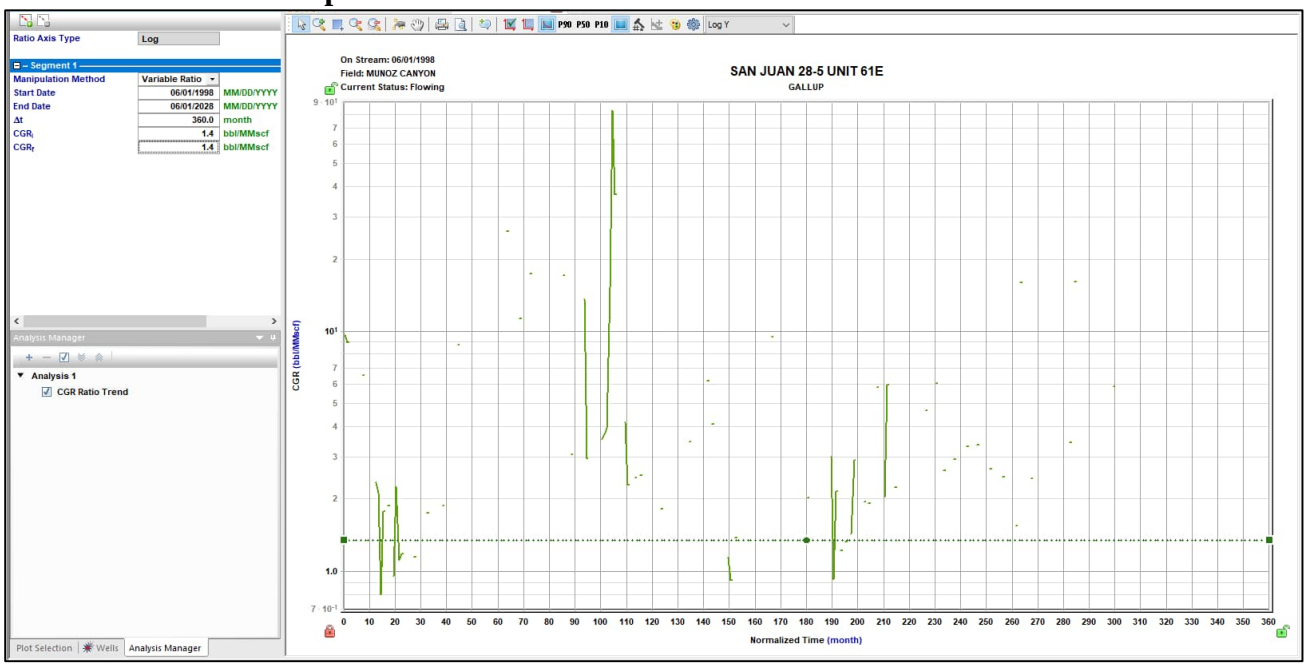
Formation	Yield (bbl/MM)	Remaining Reserves (MMcf)	% Oil Allocation
DK	1.02	54	1%
GL	1.35	67	2%
MV	4.41	1000	97%
			100%

Current Zone 1 – Dakota Oil Yield



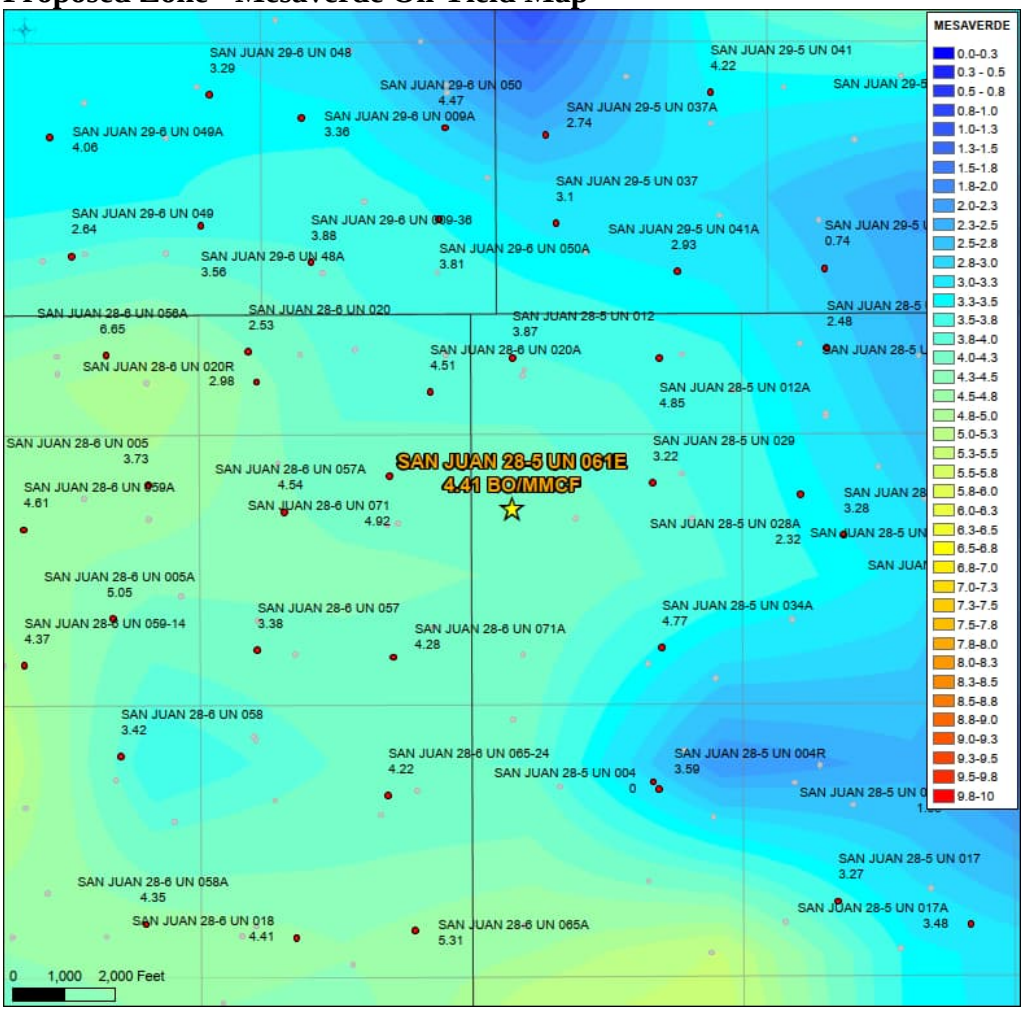
9-Section Area Map of Standalone Oil Yields. Sampled well to this map.

Current Zone 2 – Gallup Oil Yield



Average Oil Yield from Vertical Mancos Type Curve.

Proposed Zone - Mesaverde Oil Yield Map



9-Section Area Map of Standalone Oil Yields. Sampled well to this map.

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-039-23837

5. Indicate Type of Lease STATE ☐ FEE ☐

6. State Oil & Gas Lease No. Federal NMSF079250

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: San Juan 28-5 Unit

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number 61E

2. Name of Operator: Hilcorp Energy Company

9. OGRID Number: 372171

3. Address of Operator: 382 Road 3100, Aztec NM 87410

10. Pool name or Wildcat: Blanco MV/Munoz Canyon GL/Basin DK

4. Well Location
Unit Letter_E_: 1450 feet from the North line and 790 feet from the West line
Section 18 Township 28N Range 05W NMPM Rio Arriba County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*: 6713' GL

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

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

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

It is intended to recomplete the subject well in the Blanco Mesaverde (pool 72319) and downhole commingle the existing Basin Dakota (pool 71599) / Munoz Canyon Gallup (pool 96767) with the Mesaverde. The production will be commingled per Oil Conservation Division Order Number 11363. Allocation and methodology will be provided after the well is completed. Commingling will not reduce the value of the production. The Bureau of Land Management has been notified in writing of this application.

Proposed perforations are: MV: 5291' – 6240'; GL: 7325' – 7570'; DK: 7879' - 8070' **These perforations are in TVD.**

As referenced in Order # **R-13764** interest owners were not re-notified.

Spud Date: | Rig Release Date:

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

SIGNATURE *Cherylene Weston* TITLE Operations/Regulatory Technician Sr. DATE 08/31/2023

Type or print name Cherylene Weston E-mail address: cweston@hilcorp.com PHONE: 713-289-2615

For State Use Only

APPROVED BY:_____ TITLE_____ DATE_____
Conditions of Approval (if any):

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-102
August 1, 2011

Permit 259652

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-039-23837	72319	BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code	**5. Property Name**	**6. Well No.**
318708	SAN JUAN 28 5 UNIT	061E
7. OGRID No.	**8. Operator Name**	**9. Elevation**
372171	HILCORP ENERGY COMPANY	6713

10. Surface Location

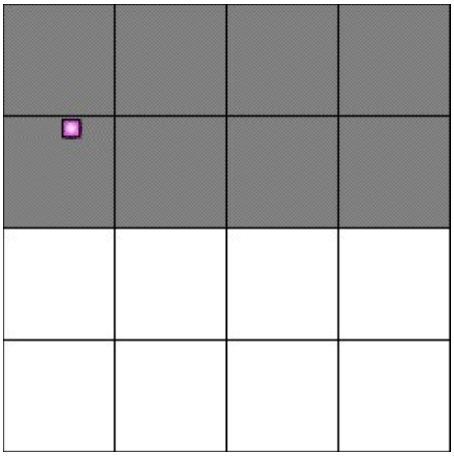
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	18	28N	05W		1450	N	790	W	RIO ARRIBA

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County

12. Dedicated Acres	13. Joint or Infill	14. Consolidation Code	15. Order No.
320.00 N/2			

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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Etta Trujillo
Title: Operations/Regulatory Tech Sr
Date: 11/16/2018

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Surveyed By: William E. Mahnke
Date of Survey: 7/16/1985
Certificate Number: 8466

...241-1980
...NM 88211-0719
...Aztec, NM 87410
...Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Depa...

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

97 DEC -2 PM 1:38
...FARMINGTON, NM

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹API Number	²Pool Code	³Pool Name
30-039-23837	96767/71599	WC:Munoz Canyon Gallup/Basin Dakota

⁴Property Code	⁵Property Name	⁶Well Number
7460	SAN JUAN 28-5 UNIT	61E

⁷OGRID No.	⁸Operator Name	⁹Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	6713'

¹⁰ Surface Location

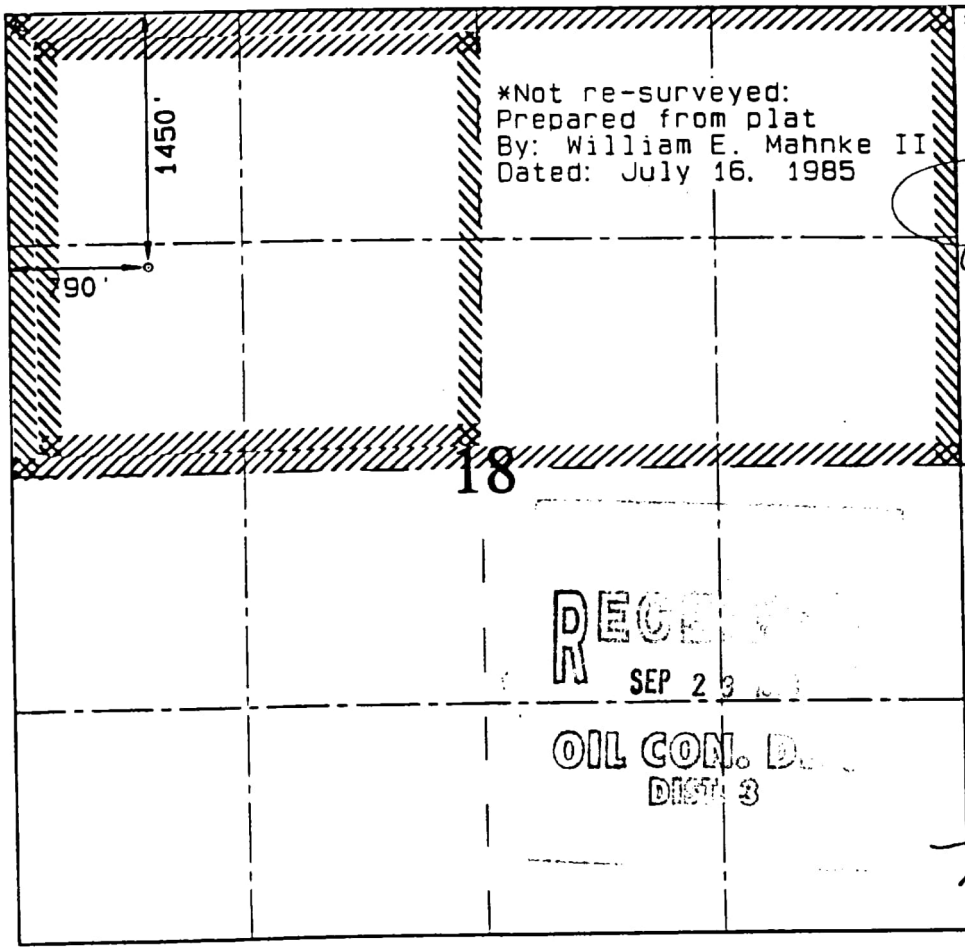
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	18	28N	5W		1450	North	790	West	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

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

¹²Dedicated Acres	¹³Joint or Infill	¹⁴Consolidation Code	¹⁵Order No.
Gal - 160 DK - N/320			

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 Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Administrato...
Title

12-2-97
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.

NOVEMBER 20, 1997
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
REGISTERED PROFESSIONAL SURVEYOR

6857
Certificate Number

San Juan 28-5 Unit 61E Allocation

The forecasts for Mesaverde production have been generated using type curves of production in the surrounding trend.

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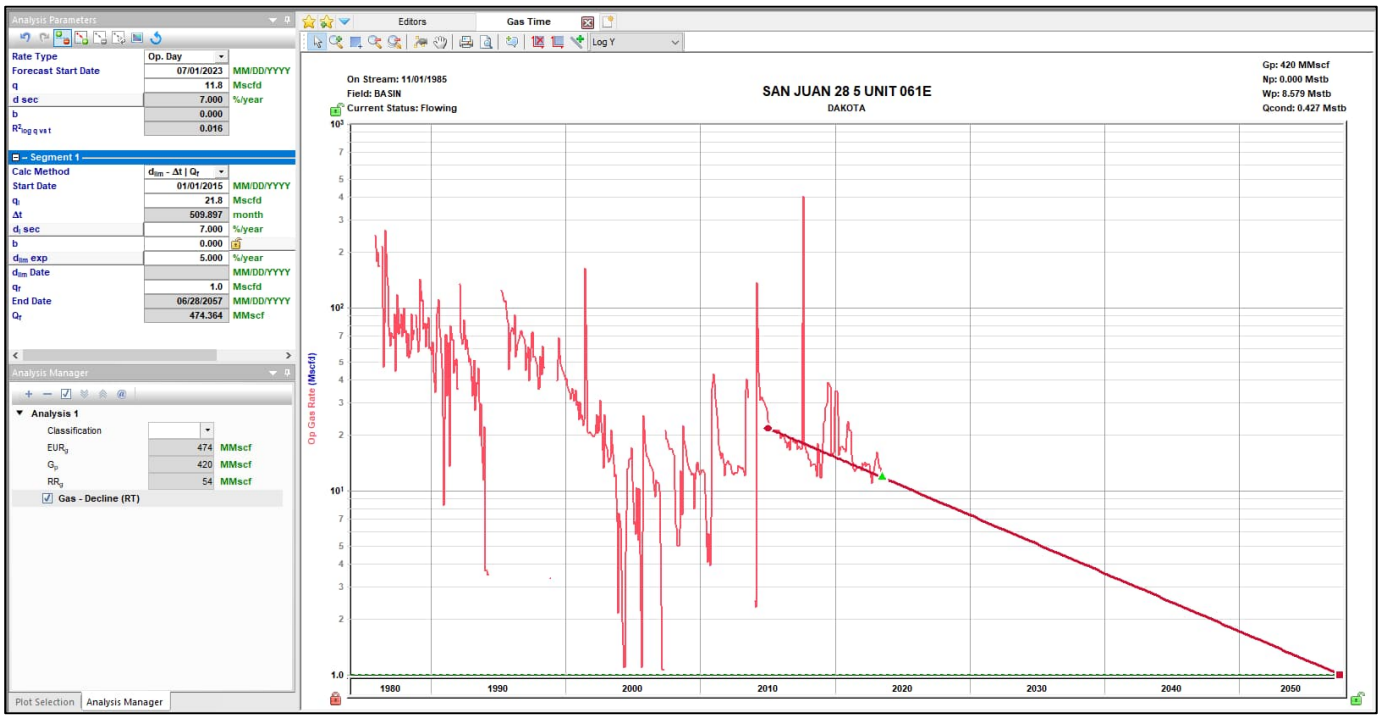
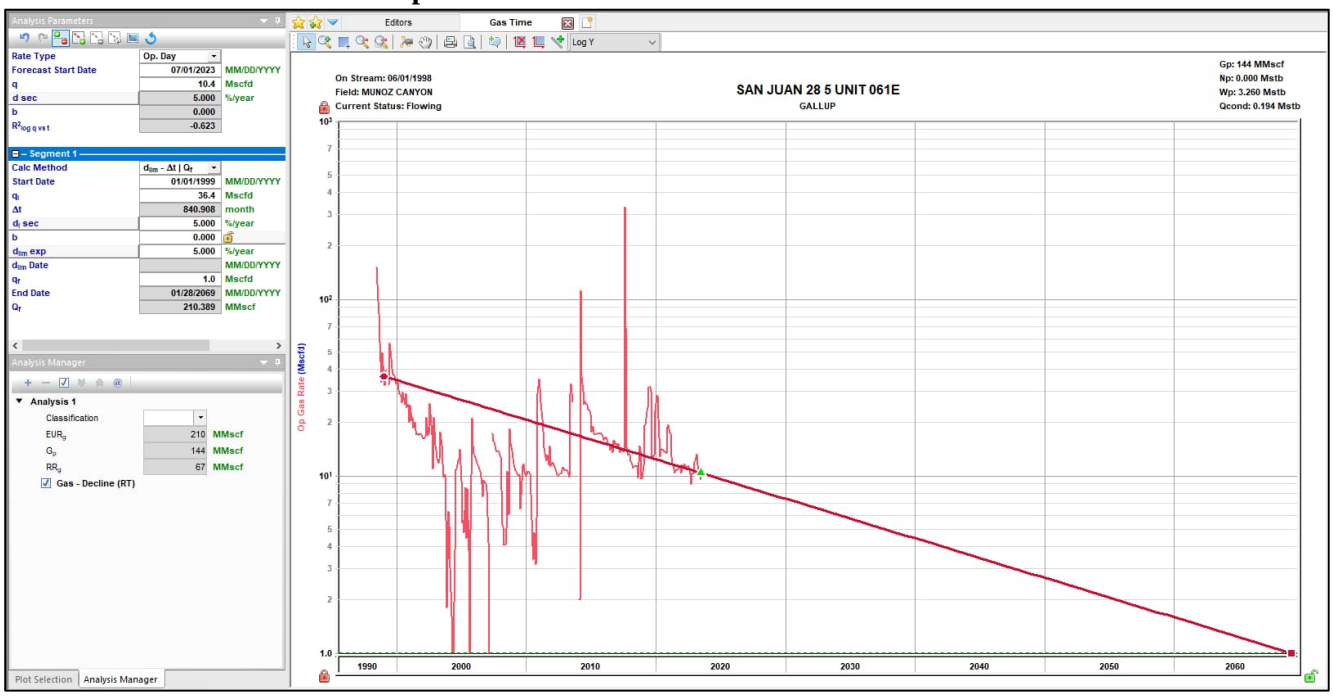
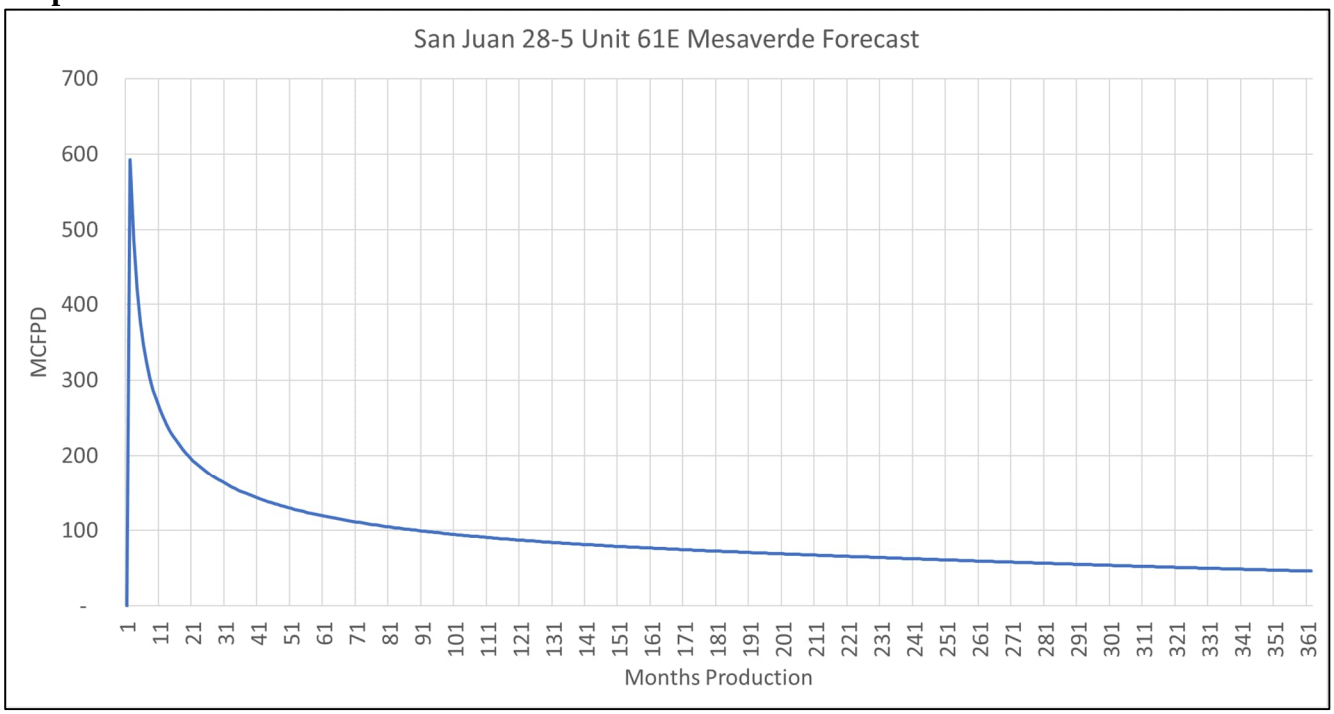


Current Zone 2 Forecast – Gallup



Proposed Zone Forecast - Mesaverde



Average initial production curve in geologic region.

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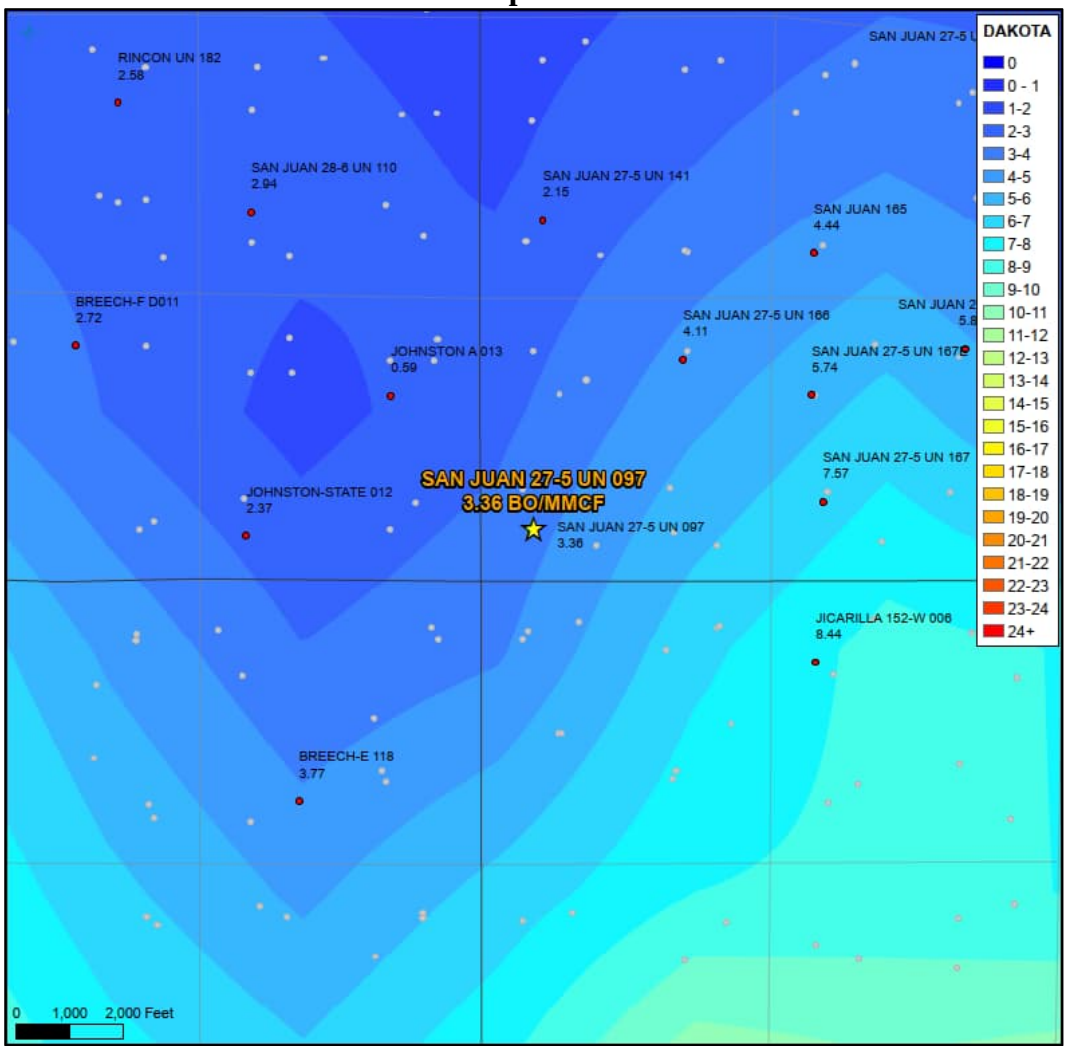
Oil production will be allocated based on average formation yields from offset wells and will be a fixed rate for 4 years. After 4 years oil will be reevaluated and adjusted as needed based on average formation yields and new fixed gas allocation.

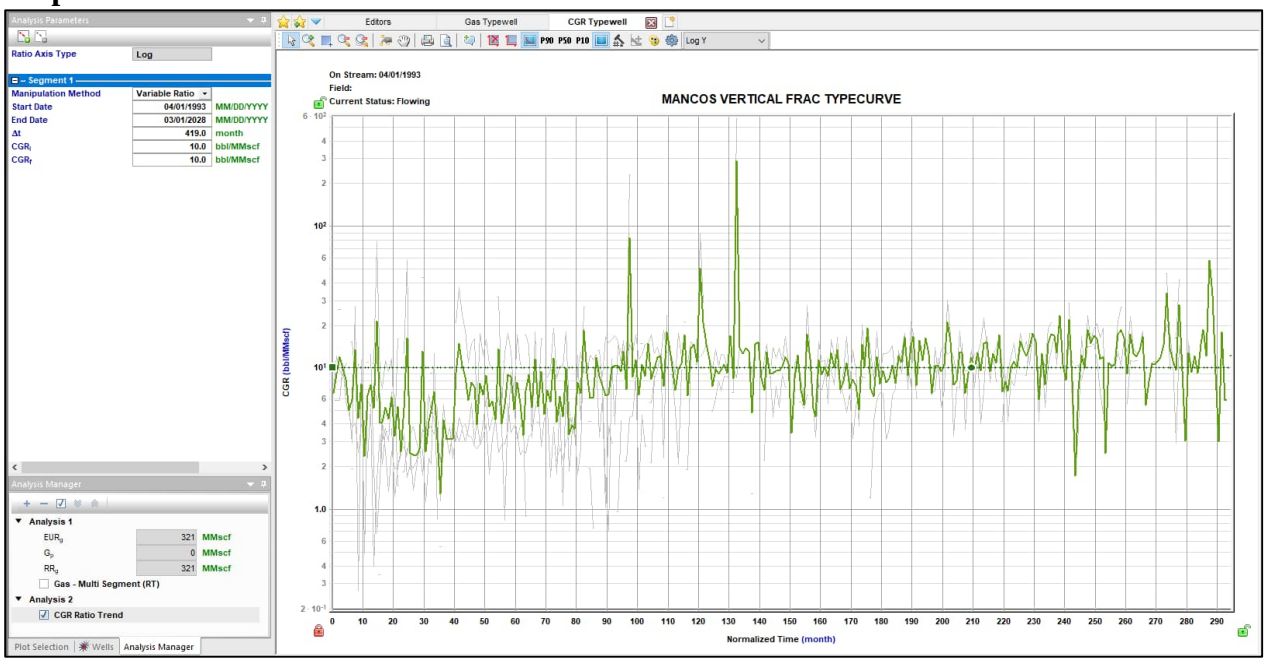
Formation	Yield (bbl/MM)	% Oil Allocation
DK	1.02	1%
MC	1.35	2%
MV	4.41	97%

Current Zone – Dakota Oil Yield Map



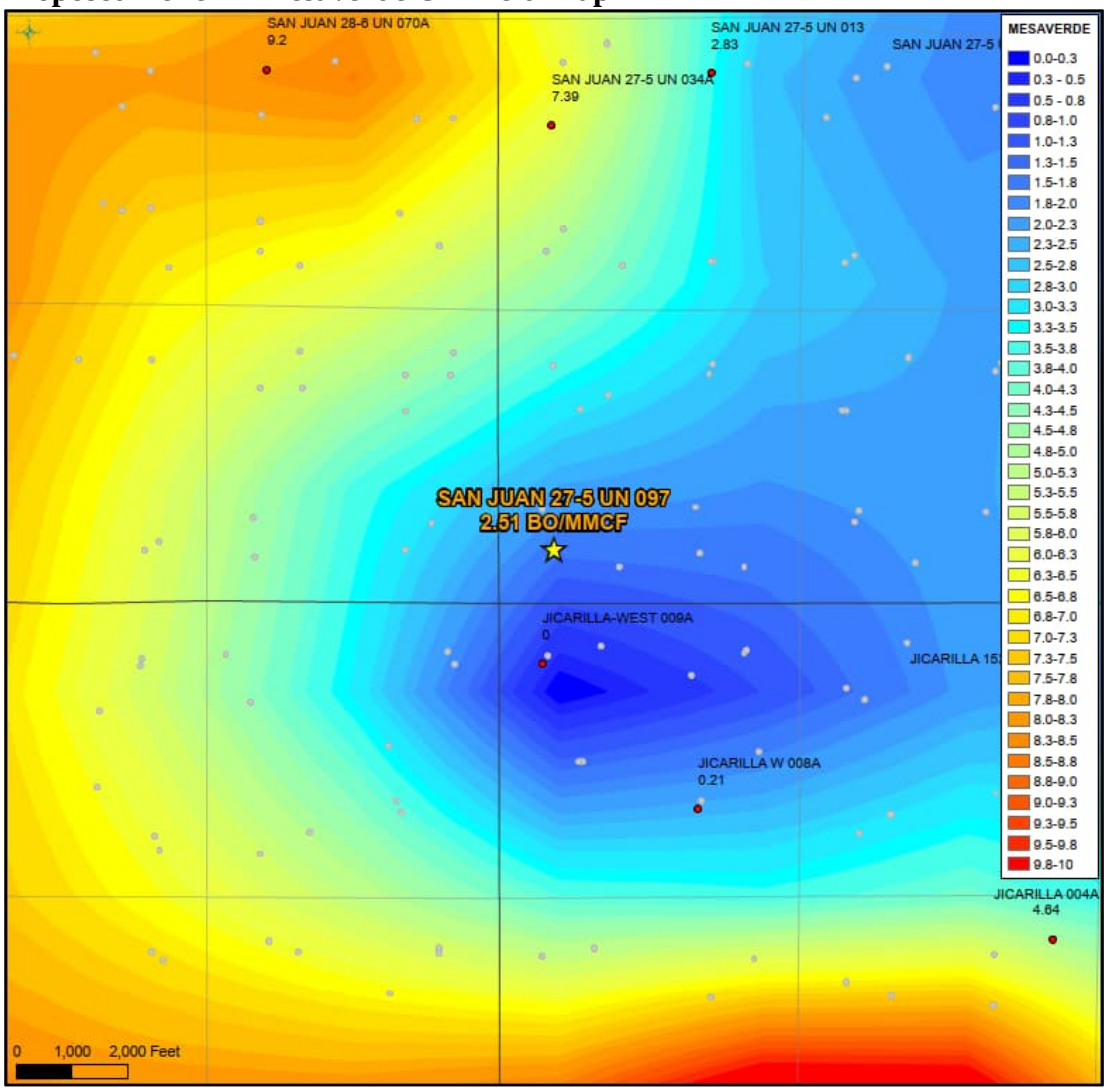
9-Section Area Map of Standalone Oil Yields. Sampled well to this map.

Proposed Zone 1 – Mancos Oil Yield



Average Oil Yield from Vertical Mancos Type Curve.

Proposed Zone 2 - Mesaverde Oil Yield Map



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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-5330**

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. An exception to the notification requirements within 19.15.12.11(C)(1)(b) NMAC was granted by the Division within Order R-13764-A.
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-2116.

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. ninety-seven percent (97%) shall be allocated to the BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319);
   b. two percent (2%) shall be allocated to the MUNOZ CANYON; GALLUP (G) pool (pool ID: 96767); and
   c. one percent (1%) shall be allocated to the BASIN DAKOTA (PRORATED GAS) pool (pool ID: 71599).

   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 BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319).

   The current pool(s) are:
   a. the MUNOZ CANYON; GALLUP (G) pool (pool ID: 96767); and
   b. the BASIN DAKOTA (PRORATED GAS) pool (pool ID: 71599).

   Until a different plan to allocate gas production is approved by OCD, of the projected gas production allocated to the current pools:
   a. fifty-five percent (55%) shall be allocated to the MUNOZ CANYON; GALLUP (G) pool (pool ID: 96767); and
   b. forty-five percent (45%) shall be allocated to the BASIN DAKOTA (PRORATED GAS) pool (pool ID: 71599).

   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

DATE: 10/20/2023

DYLAN M. FUGE
DIRECTOR

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

	Order:	DHC-5330		
	Operator:	Hilcorp Energy Company (372171)		
	Well Name:	San Juan 28-5 Unit #61E		
	Well API:	30-039-23837		
Upper Zone	Pool Name:	BLANCO-MESAVERDE (PRORATED GAS)		
	Pool ID:	72319	Current:	New: X
	Allocation:		Oil: 97%	Gas:
	Interval:	Perforations	Top: 5,291	Bottom: 6,240
Intermediate Zone	Pool Name:	MUNOZ CANYON; GALLUP (G)		
	Pool ID:	96767	Current: X	New:
	Allocation:		Oil: 2%	Gas: 55%
	Interval:	Perforations	Top: 7,325	Bottom: 7,570
	Bottom of Interval within 150% of Upper Zone's Top of Interval:		YES	
Lower Zone	Pool Name:	BASIN DAKOTA (PRORATED GAS)		
	Pool ID:	71599	Current: X	New:
	Allocation:		Oil: 1%	Gas: 45%
	Interval:	Perforations	Top: 7,879	Bottom: 8,070
	Bottom of Interval within 150% of Upper Zone's Top of Interval:		NO	

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

CONDITIONS

Action 261060

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 261060
	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.	10/20/2023