ID NO. 4	128659		DHC - 5479		Revised March 23, 2017
RECEIVED:	02/05/25	REVIEWER:	TYPE:	APP NO:	pLEL2509049692
	1:	- Geolog	above this table for ocd div CO OIL CONSERVA gical & Engineering Francis Drive, Santa	ATION DIVISIO Bureau –	
		IS MANDATORY FOR	TRATIVE APPLICATION ALL ADMINISTRATIVE APPLICA REQUIRE PROCESSING AT THE I	TIONS FOR EXCEPTION	IS TO DIVISION RULES AND
Well Nam	t: Hilcorp Energy e: SAN JUAN 23 IN FRUITLAND 0	8-7 UNIT 164F		API	RID Number: 372171 : 3003927031 3003927031 I Code: 71629
SUBMIT	ACCURATE AN	D COMPLETE I	NFORMATION REQUIE INDICATED BELO		s the type of application
A. L. B. C [ocation – Spac NSL Check one only I] Comminglir DHC	y for [1] or [1] Storage - 1 CTB Disposal - Pres	Measurement	n P _(PRORATION UNIT) [LS OLM Inced Oil Reco	
2) NOTIF A B C D E F G H	 Offset opera Royalty, ove Application Notification Notification Surface owr For all of the 	tors or lease he rriding royalty requires publis and/or concu and/or concu and/or concu her above, proof	owners, revenue ow	ners D M	FOR OCD ONLY Notice Complete
admir under	nistrative appro Stand that no a	oval is accurate		ne best of my k	

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

DAWN NASH-DEAL

Print or Type Name

02/05/2025

Date

505-324-5132

Phone Number

DNASH@HILCORP.COM e-mail Address

Dawnnach Deao

Signature

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

State of New Mexico Energy, Minerals and Natural Resources Department

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

Revised August 1, 2011 APPLICATION TYPE

Form C-107A

Page 2 of 29

APPLICATION FOR DOWNHOLE COMMINGLING

Single Well Establish Pre-Approved Pools EXISTING WELLBORE _Yes ___No

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

Г

AL.	LICAL	IONTOI	MOLL (GLL

	382 Road 3100, Aztec, NM 87410	
	Address	
164F	P,13,028N,07W	RIO ARRIBA
Well No.	Unit Letter-Section-Township-Range	County
		Address 164F P,13,028N,07W

OGRID No. 372171 Property Code 318432 API No. 3003927031 ____Lease Type: <u>X</u> Federal <u>State</u> Fee

Т

DATA ELEMENT	UPPER ZONE		INTERMEDIATE ZONE		ONE	LOWER ZONE		
Pool Name	BASIN FRUITLAND CO.	AL	BLA	NCO-MESAVERE	ЭE	BAS	IN DAKOTA	
Pool Code	71629			72319			71599	
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	EST 3123'-3400'			5054'-5214'		76	556'-7856'	
Method of Production (Flowing or Artificial Lift)	ARTIFICIAL LIFT		Al	RTIFICIAL LIFT		ARTI	FICIAL 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)	187 PSI			592 PSI			735 PSI	
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1097 BTU			1262 BTU		1	130 BTU	
Producing, Shut-In or New Zone	NEW ZONE			PRODUCING		PR	ODUCING	
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: Oil: Gas: Water:		Date: Rates: Oil: 3BBI Gas: 1092 Water: 0E	2MCF		Date: Rates: Oil: 2BBL Gas: 728M0 Water: 0BB		
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 %	%	Oil	Gas %	%	Oil	Gas %	%

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	Yes_X Yes <u>N/A</u>	No No
Are all produced fluids from all commingled zones compatible with each other?	Yes_X	No
Will commingling decrease the value of production?	Yes	NoX
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?	YesX	No
NMOCD Reference Case No. applicable to this well: PER R-13681 ORDER, HILCORP IS EXEMPTED FROM PROVIDING	<u>F NOTICE TO</u>	OWNERS

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.

Dawnhach Deao SIGNATURE

TYPE OR PRINT NAME DAWN NASH-DEAL

TELEPHONE NO. (505)324-5132

E-MAIL ADDRESS <u>DNASH@HILCORP.com</u>

District I PO Box 1980, Hoobs. NM 88241-1980

District II PO Drawer DD, Artesia. NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District 1V PO Box 2008, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

State of New Mexico

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

Energy, Minerals & Natural Resources Department

						Maal Mama			
30-037-	27031 7		ol Code / 71599			'Pool Name SAVERDE / E	BASIN	_	
Property Code				Property					11 Number
016608			SA	N JUAN 2	8-7 UNIT		164F		
OGRID NO				*Operator					levation
005073				CONOCO,	INC.			6	5635
			10	Surface					
Ut on lot no Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the		est line	RIO
P 13	28N	7W		475	SOUTH	850	EA	ST	ARRIBA
L I	¹¹ Bot	 ttom	Hole Lo	cation I	f Different	From Surf	асе		· · · · · · · · · · · · · · · · · · ·
UL on lot no. Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County
¹² Deducated Acres 320	.0 Acres			Joint or Infill	¹⁴ Consolidation Code	¹⁵ Orden No.	J		
NO ALLOWABLE W	ILL BE AS	SIGNE[NON-ST) TO THIS ANDARD U	S COMPLETI NIT HAS BE	ON UNTIL ALL EN APPROVED	INTERESTS H BY THE DIVI	HAVE BI	EEN COM	SOL IDATED
16 ΟΟ ΟΟ ΟΟ ΟΟ ΟΟ ΟΟ ΟΟ ΟΟ ΟΟ ΟΟ ΟΟ ΟΟ			281.32 13- 13- 275.04	x SF-0	19290	I hereby contain to the Signatur Vick Printed Sr. T Title Date ¹⁰ SURV I hereby shown on notes of my super and corr Date O Signatur	y certify ed nerein best of m re i R. W Name Title /EYOR certify f this plai actual, an ect to the of Surv e and Sea	that the is true ar y knowledg estby Analyst Analyst CERTI that the we true splott true splott true splott C. EDW MEXICO 15269 OFESSION	FICATION all location ted from field by me or under same is true my belief. CH 13, 2002 ssional Surveyor Manno

Page 3 of 29

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

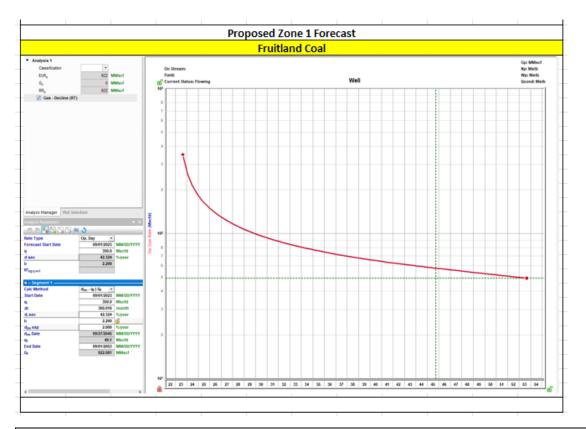
AMENDED REPORT

The near wellbore shut-in bottom hole pressures of the above reservoirs are much lower than the calculated far-field stabilized reservoir pressured due to the low permeability of the reservoirs. Based on pressure transient analysis performed in the San Juan Basin, it would take 7-25 years for shut-in bottom hole pressures to build up to the calculated far-field reservoir pressure. Our observation is that even for areas of high static reservoir pressures, the low permeability of the reservoir rock results in rapid depletion of the near-fracture region, quickly enough that the wells are unable to produce without the aid of a plunger. Given low permeabilities and low wellbore flowing pressures in the above reservoirs, loss of reserves due to cross-flow is not an issue during producing or shut-in periods. Given low shut-in bottom hole pressures in excess of any commingled pool's fracture parting pressure. The pressures provided in the C-107A are based on shut-in bottom hole pressures of offset standalone wells which match expected near-wellbore shut-in bottom hole pressures of this proposed commingled completion.

	culated for operated offset standalor gled in the well in question via the fo	
	1) Wells were shut in for 24 hours Echometer was used to obtain a fluid as calculated for the proposed comm	
		Destest
LIST OF	wells used to calculate BHPs for the	Project:
	SAN JUAN 28-7 Unit 218E	DK
3003926781		
3003926781 3003921913	SAN JUAN 28-7 UNIT 56A	MV
	SAN JUAN 28-7 UNIT 56A SAN JUAN 28-6 Unit 408	MV FRC

<u>Note:</u> BTU Data taken from standalone completions in the zone of interest within a 2 mile radius of the well.

A farther radius is used if there is not enough data for a proper statistical analysis.



HEC Comments

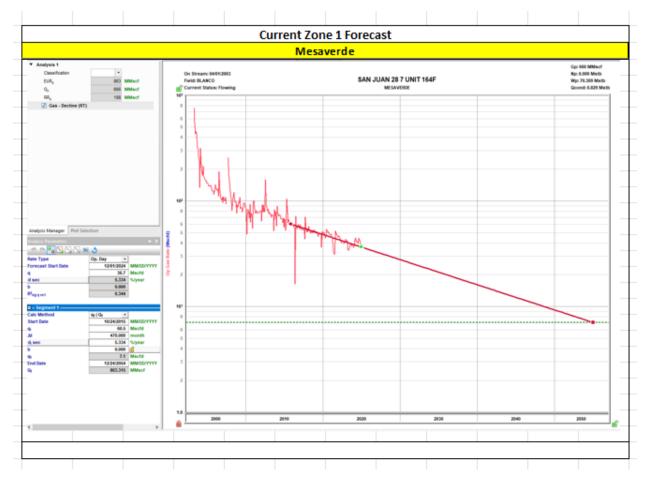
The production forecasts have been generated using type curves of production in the surrounding trend.

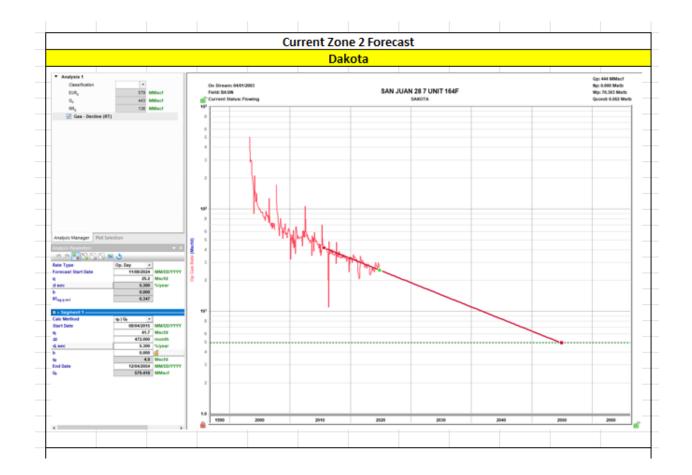
These zones are proposed to be commingled because the application of dual completions impedes the ability to produce the shallow zone without artificial lift and the deeper zones with reduced artificial lift efficiency. All horizons will require artificial lift due to low bottomhole pressure (BHP) and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





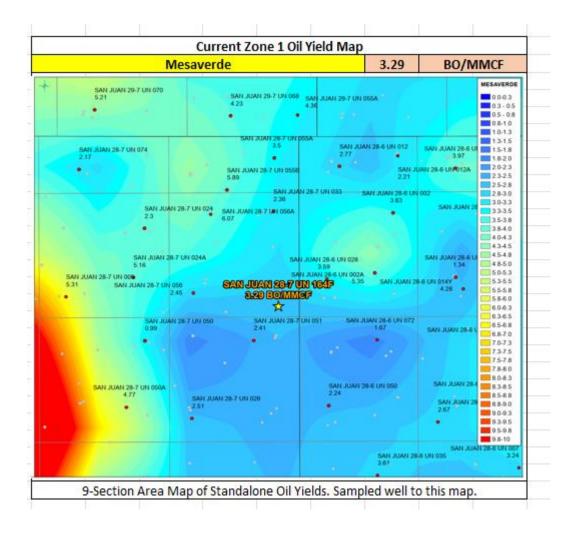
Oil Allocation:

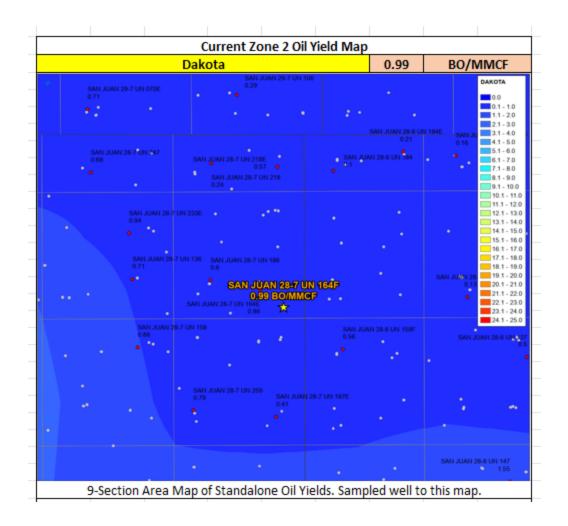
Oil production will be allocated based on average formation yields from offset wells and will be a fixed rate for 4 years.

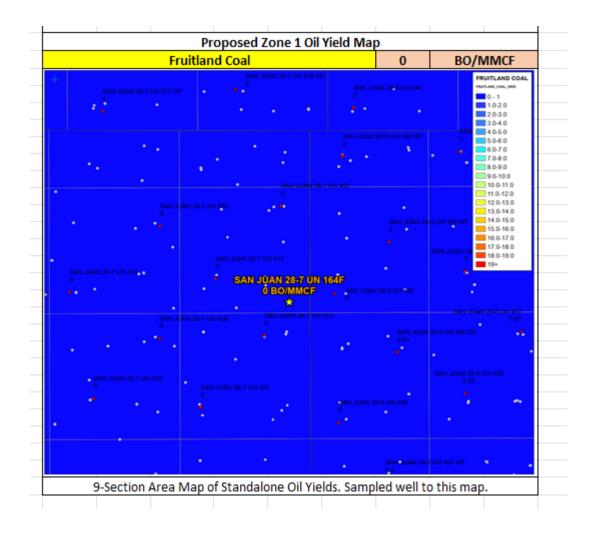
After 4 years oil will be reevaluated and adjust as needed based on average formation yields and new fixed gas allocation.

Formation	Yield (bbl/MM)	Remaining Reserves (MMcf)	% Oil Allocation
MV	3.29	198	83%
FRC	0.00	922	0%
DK	0.99	136	17%
			100%

All documentation will be submitted to NMOCD.







Water Compatibility in the San Juan Basin

- The San Juan basin has productive siliciclastic reservoirs (Pictured Cliffs, Blanco Mesaverde, Basin Mancos, Basin Dakota, etc.) and a productive coalbed methane reservoir (Basin Fruitland Coal).

- These siliciclastic and coalbed methane reservoirs are commingled extensively throughout the basin in many different combinations with no observed damage from clay swelling due to differing formation waters.

- The samples below all show fresh water with low TDS.

- Data taken from standalone completions in the zone of interest within a 2-mile radius of the well. A farther radius is used if there is not enough data for a proper statistical analysis.

Well Name	API
SAN JUAN 28-7 UNIT 164F	3003927031

FRC Offset (1.18 Miles)		MV Offse	et (4.00 Miles)	DK Offset (4.37 Miles)		
API	3003925112	API	3003922063	API	3003927006	
Property	SAN JUAN 28-7 UNIT 403	Property	SAN JUAN 28-7 UNIT 44A	Property	SAN JUAN 28-7 UNIT 241F	
CationBarium		CationBarium		CationBarium	0.00	
CationBoron		CationBoron		CationBoron		
CationCalcium	2.20	CationCalcium	36.80	CationCalcium	10.10	
CationIron		CationIron		CationIron	12.30	
CationMagnesium		CationMagnesium		CationMagnesium	6.50	
CationManganese	0.10	-		CationManganese	0.10	
CationPhosphorus	0.10	CationPhosphorus	0.10	CationPhosphorus		
CationPotassium		CationPotassium		CationPotassium	-	
CationStrontium	0.00	CationStrontium	0.00	CationStrontium	0.00	
CationSodium	1164.20			CationSodium	581.20	
CationSilica	1104.20	CationSilica	1510.00	CationSilica	501.20	
CationZinc		CationZinc		CationZinc		
CationAluminum		CationAluminum		CationAluminum		
CationCopper						
CationLead		CationCopper		CationCopper		
		CationLead		CationLead		
CationLithium		CationLithium		CationLithium		
CationNickel		CationNickel		CationNickel		
CationCobalt		CationCobalt		CationCobalt		
CationChromium		CationChromium		CationChromium		
CationSilicon		CationSilicon		CationSilicon		
CationMolybdenum	1700.00	CationMolybdenum		CationMolybdenum		
AnionChloride		AnionChloride		AnionChloride	800.00	
AnionCarbonate		AnionCarbonate		AnionCarbonate	0.00	
AnionBicarbonate	183.00	AnionBicarbonate	195.20		244.00	
AnionBromide		AnionBromide		AnionBromide	-	
AnionFluoride		AnionFluoride		AnionFluoride		
AnionHydroxyl		AnionHydroxyl		AnionHydroxyl		
AnionNitrate		AnionNitrate		AnionNitrate		
AnionPhosphate		AnionPhosphate		AnionPhosphate	24.20	
AnionSulfate	10.00	AnionSulfate	10.00	AnionSulfate	10.00	
phField	6.73	phField	6.91	phField		
phCalculated	7.01	phCalculated	7.43	phCalculated	6.35	
TempField		TempField		TempField		
TempLab		TempLab		TempLab		
OtherFieldAlkalinity	7991.88	OtherFieldAlkalinity	305.50	OtherFieldAlkalinity		
OtherSpecificGravity	1.00	OtherSpecificGravity	1.01	OtherSpecificGravity	1.00	
OtherTDS	2962.00	OtherTDS	3959.00	OtherTDS	1519.00	
OtherCaCO3	12113.31	OtherCaCO3	6907.59	OtherCaCO3	3110.42	
OtherConductivity		OtherConductivity		OtherConductivity		
DissolvedCO2	360.00	DissolvedCO2	410.00	DissolvedCO2	200.00	
DissolvedO2		DissolvedO2		DissolvedO2		
DissolvedH2S	40.00	DissolvedH2S	15.00	DissolvedH2S	6.00	
GasPressure		GasPressure		GasPressure		
GasCO2	8.00	GasCO2	10.00	GasCO2	8.00	
GasCO2PP		GasCO2PP		GasCO2PP		
GasH2S	0.00	GasH2S	6.00	GasH2S	0.00	
GasH2SPP		GasH2SPP		GasH2SPP		
PitzerCaCO3_70		PitzerCaCO3_70		PitzerCaCO3_70		
 PitzerBaSO4_70		PitzerBaSO4_70		PitzerBaSO4_70		
 PitzerCaSO4_70		 PitzerCaSO4_70		 PitzerCaSO4_70		
PitzerSrSO4 70		PitzerSrSO4 70		PitzerSrSO4 70		
PitzerFeCO3 70		PitzerFeCO3 70		PitzerFeCO3 70		
PitzerCaCO3 220		PitzerCaCO3 220		PitzerCaCO3 220		
PitzerBaSO4 220		PitzerBaSO4 220		PitzerBaSO4 220	1	
PitzerCaSO4 220		PitzerCaSO4_220		PitzerCaSO4_220	1	
PitzerSrSO4 220		PitzerSrSO4_220		PitzerSrSO4_220	1	
PitzerFeCO3 220		PitzerFeCO3 220		PitzerFeCO3 220		
1 12211 2203_220		1.120110003_220	l	1120110005_220	L	

Gas Compatibility in the San Juan Basin

- The San Juan basin has productive siliciclastic reservoirs (Pictured Cliffs, Blanco Mesaverde, Basin Dakota, etc.) and a productive coalbed methane reservoir (Basin Fruitland Coal).

- These siliciclastic and coalbed methane reservoirs are commingled extensively throughout the basin in many different combinations with no observed damage from clay swelling due to differing formation waters or gas composition.

- The samples below all show offset gas analysis varibality by formation is low.

Well Name	API
SAN JUAN 28-7 UNIT 164F	3003927031

FRC C	FRC Offset (2.47 MILES)		MV Offset (3.15 MILES)		DK Offset (2.25 MILES)		
AssetCode	3003925115	AssetCode	3003907304	AssetCode	3003922396		
AssetName	SAN JUAN 28-7 UNIT 408	AssetName	SAN JUAN 28-7 UNIT 45	AssetName	SAN JUAN 28-7 UNIT 234E		
CO2	0.00	CO2	0.01	CO2	0.00		
N2	0.01	N2	0.00	N2	0.00		
C1	0.84	C1	0.88	C1	0.90		
C2	0.06	C2	0.06	C2	0.05		
C3	0.05	C3	0.03	С3	0.03		
ISOC4	0.01	ISOC4	0.01	ISOC4	0.00		
NC4	0.01	NC4	0.01	NC4	0.00		
ISOC5	0.00	ISOC5	0.00	ISOC5	0.00		
NC5	0.00	NC5	0.00	NC5	0.00		
NEOC5		NEOC5		NEOC5			
C6		C6		C6			
C6_PLUS	0.01	C6_PLUS	0.00	C6_PLUS	0.00		
С7		C7		C7			
C8		C8		C8			
С9		С9		С9			
C10		C10		C10			
AR		AR		AR			
со		со		со			
H2		H2		H2			
02		02		02			
H20		H20		H20			
H2S	0	H2S	0	H2S	0		
HE		HE		HE			
C_O_S		C_O_S		C_O_S			
СНЗЅН		СНЗЅН		СНЗЅН			
С2Н5ЅН		C2H5SH		C2H5SH			
CH2S3_2CH3S		CH2S3_2CH3S		CH2S3_2CH3S			
CH2S		CH2S		CH2S			
C6HV		C6HV		C6HV			
CO2GPM	0.00	CO2GPM	0.00	CO2GPM	0.00		
N2GPM	0.00	N2GPM	0.00	N2GPM	0.00		
C1GPM	0.00	C1GPM	0.00	C1GPM	0.00		
C2GPM	1.69	C2GPM	1.64	C2GPM	1.30		
C3GPM	1.33	C3GPM	0.94	C3GPM	0.70		
ISOC4GPM	0.37	ISOC4GPM	0.24	ISOC4GPM	0.16		
NC4GPM	0.39	NC4GPM	0.17	NC4GPM	0.16		
ISOC5GPM	0.17	ISOC5GPM	0.07	ISOC5GPM	0.07		
NC5GPM		NC5GPM	0.04	NC5GPM	0.04		
C6_PLUSGPM	0.22	C6_PLUSGPM	0.09	C6_PLUSGPM	0.13		

WAFMSS U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Report 09/12/2024
Well Name: SAN JUAN 28-7 UNIT	Well Location: T28N / R7W / SEC 13 / SESE / 36.655291 / -107.518761	County or Parish/State : RIO ARRIBA / NM
Well Number: 164F	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF079290	Unit or CA Name: SAN JUAN 28-7 UNITDK, SAN JUAN 28-7 UNITMV	Unit or CA Number: NMNM78413A, NMNM78413C
US Well Number: 3003927031	Operator: HILCORP ENERGY COMPANY	

Notice of Intent

Sundry ID: 2810989

Type of Submission: Notice of Intent

Date Sundry Submitted: 09/09/2024

Date proposed operation will begin: 09/15/2024

Type of Action: Recompletion Time Sundry Submitted: 12:47

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

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

San_Juan_28_7_Unit_164F_FRC_RC_NOI_20240909124643.pdf

Well Name: SAN JUAN 28-7 UNIT	Well Location: T28N / R7W / SEC 13 / SESE / 36.655291 / -107.518761	County or Parish/State: RIO ARRIBA / NM
Well Number: 164F	Type of Well: CONVENTIONAL GAS Well	Allottee or Tribe Name:
Lease Number: NMSF079290	Unit or CA Name: SAN JUAN 28-7 UNITDK, SAN JUAN 28-7 UNITMV	Unit or CA Number: NMNM78413A, NMNM78413C
US Well Number: 3003927031	Operator: HILCORP ENERGY COMPANY	

Operator

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

Operator Electronic Signature: CHERYLENE WESTON

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Tech - Sr

Street Address: 1111 TRAVIS STREET

City: HOUSTON

State: TX

Phone: (713) 289-2615

Email address: CWESTON@HILCORP.COM

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK BLM POC Phone: 5055647742 Disposition: Approved Signature: Kenneth Rennick BLM POC Title: Petroleum Engineer BLM POC Email Address: krennick@blm.gov Disposition Date: 09/12/2024

Signed on: SEP 09, 2024 12:47 PM



HILCORP ENERGY COMPANY SAN JUAN 28-7 UNIT 164F RECOMPLETION SUNDRY

Prepared by:	Matthew Esz		
Preparation Date:	August 30, 2024		

	WELL INFORMATION							
Well Name:	SAN JUAN 28-7 UNIT 164F	State:	NM					
API #:	3003927031	County:	Rio Arriba					
Area:	10	Location:						
Route:	1008	Latitude:						
Spud Date:	December 3, 2002	Longitude:						

PROJECT DESCRIPTION

Perforate, fracture, and commingle the Fruitland Coal with the existing Mesa Verde and Dakota zones.

CONTACTS							
Title	Name	Office Phone #	Cell Phone #				
Engineer	Matthew Esz		770-843-9226				
Area Foreman							
Lead							
Artificial Lift Tech							
Operator							



HILCORP ENERGY COMPANY SAN JUAN 28-7 UNIT 164F RECOMPLETION SUNDRY

JOB PROCEDURES

- 1. MIRU service rig and associated equipment; test BOP.
- 2. TOOH with 2-3/8" tubing set at 7,650'.
- 3. Set a 4-1/2" plug at +/- 5,029' to isolate the Mesa Verde and Dakota.
- 4. Will not run CBL. Sufficient cement based on CBL pulled 12/18/2002.
- 5. Load the hole and pressure test the casing.
- 6. N/D BOP, N/U frac stack and pressure test frac stack.
- 7. Perforate and frac the Fruitland Coal formations (Top Perforation @ 3,123'; Bottom Perforation @ 3,400').
- 8. Nipple down frac stack, nipple up BOP and test.
- 9. TIH with a mill and drill out top isolation plug and Fruitland Coal frac plug.
- 10. Clean out to Mesa Verde/Dakota isolation plug.
- 11. Drill out Mesa Verde/Dakota isolation plug and cleanout to PBTD of 7,879'. TOOH.
- 12. TIH and land production tubing. Get a commingled Fruitland Coal/Mesa Verde/Dakota flow rate.



HILCORP ENERGY COMPANY SAN JUAN 28-7 UNIT 164F RECOMPLETION SUNDRY

PU UM 3003927031	Lahee	Area AREA 10	Field Name MV/DK COM	Route 1008	License No.	State/Province NEW MEXICO
round Elevation (ft) 635.00	Casing Flange Elev 6,635.00	ation (ft) RKB to GL (ft 13.00	KB-Casin 13.00	g Flange Distance (ft)	Original Spud Date 12/3/2002 00:00	Rig Release Date 12/11/2002 00:00
D: 7,883.0			Original Hole [Ver	tical]		
MD (ftKB)			Vertical scher	matic (actual)		
			and a day of the local day is a destruction			la name de la constante de la c
13.1		Casin	g Joints, 9 5/8in; 13.00-2	233.00; 220.00; 1-	1; 9 5/8; 8.92	
232.9		Shoe	9 5/8in; 233.00-234.00;	1.00; 1-2; 9 5/8; 8	192	
233.9						
245.1		States	- Ininte 7in: 12 00 2 70	2 00 2 780 00 2 1	7.6.46	
2,029.9		A CONTRACT OF A	g Joints, 7in; 13.00-3,79 g Joints, 4 1/2in; 13.00-4			
3,793.0		Shoe	7in; 3,793.00-3,794.00;	100-2-2-7-646		
3,794.0	2	Silve,	. 111, 3,193.00-3,194.00,	1.00, 2.2, 7, 0.40		
3,805.1		2 3/8	in, Tubing; 13.07-7,614.	53; 7,601.46; 2-1; 2	2 3/8; 2.00	
4,871.1						
4,880.9		MARI	KER JOINT, 4 1/2in; 4,87	1.00-4,881.00; 10.	00; 3-2; 4 1/2; 4.05	
5,054.1						
5.213.9	70	5054	-5214ftKB on 12/27/200	2 00:00 (Perforate	d); 5,054.00-5,214.00; 2	002-12-27
5,538.1						
5,708.0		5538	5708ftKB on 12/27/200	2 00:00 (Perforate	d); 5,538.00-5,708.00; 2	002-12-27
		Casin	g Joints, 4 1/2in; 4,881.0	0-7,437.00; 2,556	.00; 3-3; 4 1/2; 4.05	
6,634.8						
7,437.0		MARI	KER JOINT, 4 1/2in; 7,43	7.00-7,447.00; 10.	00; 3-4; 4 1/2; 4.05	
7,446.9						
7,614.5		2 3/8	in, Tubing Pup Joint; 7,6	14.53-7,617.06; 2	53; 2-2; 2 3/8; 2.00	
7,617.1		2 3/8	in, Tubing; 7,617.06-7,64	48.26; 31.20; 2-3; 2	2 3/8; 2.00	
7,648.3		22.	in, Profile Nipple; 7,648.			
7,649.3			in, EXPENDABLE CHECK			5: 2 3/8: 2.00
7,649.9		23/0	er op oant it is dat meent fieldelike faat it blaath.	the state of the side.	and a second preserve when proved a party	al an add add and an adda
7,655.8		1985-	g Joints, 4 1/2in; 7,447.0			
7,856.0	350	7656	-7856ftKB on 12/26/200	2 00:00 (Perforate	a); 7,656.00-7,856.00; 2	002-12-26
7,878.9						
7,879.9		FLOA	T COLLAR, 4 1/2in; 7,87	9.00-7,880.00; 1.0	0; 3-6; 4 1/2; 4.05	
7,880.9		FLOA	T SHOE, 4 1/2in; 7,880.0	0-7,881.00; 1.00;	3-7; 4 1/2; 4.05	
7,882.9						
- productor						

HILCORP ENERGY COMPANY SAN JUAN 28-7 UNIT 164F RECOMPLETION SUNDRY

APU/UWI 3003927031	Lahee	Area AREA 10	Field Name MV/DK COM	Route 1008	License No.	State/Province NEW MEXICO
iround Elevation (ft) 5,635.00	Casing Flange Ele 6,635.00	vation (ft) RKB to GL (13.00	(ft) KB-Casir 13.00	g Flange Ostance (ft)	Original Spud Date 12/3/2002 00:00	Rig Release Date 12/11/2002 00:00
FD: 7,883.0			Original Hole [Ver	tical]		
MD (ftKB)			Vertical sche	matic (actual)		
13.1 44444		والمالية والمستركبة ومراجع المحمول استقرارها	and the state of the local difference of the state of the s	والمتراب المرتب المتحد والمكا	and the second and and address of the state of the	Calculate Scillent And a channel And in the
		Casi	ing Joints, 9 5/8in; 13.00-	233.00; 220.00; 1	-1; 9 5/8; 8.92	
232.9		Sho	e, 9 5/8in; 233.00-234.00;	1.00; 1-2; 9 5/8;	8.92	
233.9						
245.1		- Carl	ing Joints, 7in; 13.00-3,79	2 00- 2 790 00- 2	1.7.6.46	
2,029.9	- Wards	and a second sec	ing Joints, 4 1/2in; 13.00-5,79			
3,793.0		- Sho	e, 7in; 3,793.00-3,794.00;	1 00: 2-2: 7: 6 46		
3,794.0		Silo	a, mi, a, i saluu-a,i s4.uu,	1.00, 2.2, 7, 0.40		
3,805.1		2 3/	8in, Tubing; 13.07-7,614.	53; 7,601.46; 2-1;	2 3/8; 2.00	
4,871.1						
4,880.9		MAI	RKER JOINT, 4 1/2in; 4,87	1.00-4,881.00; 10	0.00; 3-2; 4 1/2; 4.05	
5,054.1						
5,213.9	800	5054	4-5214ftKB on 12/27/200	2 00:00 (Perforat	ed); 5,054.00-5,214.00; 2	002-12-27
5,538.1	- 200	5530	8-5708ftKB on 12/27/200	2 00:00 (Perforat	ed); 5,538.00-5,708.00; 2	002-12-27
5,708.0		537	ing Joints, 4 1/2in; 4,881.(0-7,437.00; 2,55	6.00; 3-3; 4 1/2; 4.05	
6,634.8			~~~~~~	annana		~~~~~
7,437.0		MA	RKER JOINT, 4 1/2in; 7,43	7.00-7.447.00: 10	00: 3-4: 4 1/2: 4 05	
7,446.9				and a state of the	20.4550707-05 7 8.3175	
7,614.5			Rin Tubing Pup Inist 7.6	14 53-7 617 06-1	22, 2, 2, 2, 2, 2, 0, 2, 00	
7,617.1			8in, Tubing Pup Joint; 7,6			
7,648.3			8in, Tubing; 7,617.06-7,6	<u>. 25. 66 8</u>	1.1903	
7,649.3		-2 3/	'8in, Profile Nipple; 7,648.	26-7,649.13; 0.87	; 2-4; 2 3/8; 1.78	
7,649.9		2.3/	8in, EXPENDABLE CHECK	MULE SHOE; 7,6	49.13-7,650.00; 0.87; 2-5	; 2 3/8; 2.00
7,655.8		Casi	ing Joints, 4 1/2in; 7,447.0	0-7,879.00: 432	00: 3-5: 4 1/2: 4.05	
7,856.0		1955	6-7856ftKB on 12/26/200			002-12-26
7,878.9		FLO	AT COLLAR, 4 1/2in; 7,87	9.00-7,880.00; 1.0	00; 3-6; 4 1/2; 4.05	
7,879.9		FLO	AT SHOE, 4 1/2in; 7,880.0	0-7,881.00; 1.00:	3-7; 4 1/2; 4.05	
7,880.9						
7,882.9						
					sui	

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-039-27031	71629	BASIN FRUITLAND COAL (GAS)
4. Property Code	5. Property Name	6. Well No.
318432	SAN JUAN 28 7 UNIT	164F
7. OGRID No.	8. Operator Name	9. Elevation
372171	HILCORP ENERGY COMPANY	6635

10. Surface Location

UL - Lot S	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	13	28N	07W		475	S	850	E	RIO ARRIBA

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated A 320		I	13. Joint or Infill		14. Consolidatio	n Code	1	15. Order No.	

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

OPERATOR CERTIFICATION 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: <u>Cherylene Weston</u> Title: Operations/Regulatory Tech-Sr. Date: 9/3/2024
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:Jason C. EdwardsDate of Survey:3/13/2002Certificate Number:15269

Permit 372627

	Eı		te of New Mez and Natural Res	tico ources Departme	ent	į	Submit Electronically Via E-permitting
		1220	onservation Di South St. Fran nta Fe, NM 87	cis Dr.			
	N	ATURAL G	AS MANA	GEMENT PI	LAN		
This Natural Gas Manag	gement Plan m	ust be submitted w	vith each Applicat	ion for Permit to I	Drill (AP	D) for a ne	w or recompleted well.
			1 <mark>1 – Plan D</mark> ffective May 25,				
I. Operator: <u>Hilcorp E</u>	nergy Compan	у	OGRID:	372171		_Date:	<u>9 / 9 /2024</u>
II. Type: 🗵 Original 🛛	Amendment	due to □ 19.15.27	7.9.D(6)(a) NMA	C 🗆 19.15.27.9.D(6)(b) NM	IAC □ Ot	her.
If Other, please describe	::						
III. Well(s): Provide the provided th					wells proj	posed to be	e drilled or proposed to
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Antici Gas M		Anticipated Produced Water BBL/D
San Juan 28-7 Unit 164F	3003927031	P-13-28N-07W	475' FSL, 850' FEL	0 bbl/d	350 m	ncf/d	5 bbl/d
IV. Central Delivery P	oint Name:	Chaco-Blai	nco Processing Pl	ant		[See 19.	15.27.9(D)(1) NMAC]
V. Anticipated Schedu proposed to be recomple					ell or set	of wells p	roposed to be drilled or
Well Name	API	Spud Date	TD Reached Date	Completion Commencement		Initial Flo Back Dat	
ian Juan 28-7 Unit 164F	3003927031						<u>2024</u>
VI. Separation Equipn VII. Operational Prac Subsection A through F VIII. Best Managemen during active and planne	tices: 🛛 Attac of 19.15.27.8] ht Practices: 🛙	h a complete desc NMAC.	cription of the ac	ions Operator wil	l take to	comply w	ith the requirements of

.

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. \Box 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 \Box will \Box 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 \Box does \Box 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: \Box 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.

<u>Section 3 - Certifications</u> <u>Effective May 25, 2021</u>

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

 \boxtimes 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

 \Box 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. \Box 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. \Box 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:	Cherylene Westen				
Printed Name:	^{ame:} Cherylene Weston				
Title:	Operations/Regulatory Tech-Sr.				
E-mail Address	cweston@hilcorp.com				
Date:	9/9/2024				
Phone:	713-289-2615				
	OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)				
Approved By:					
Title:					
Approval Date:					
Conditions of Approval:					

VI. Separation Equipment:

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

VII. Operational Practices:

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

- 6. Subsection (F) Measurement or estimation of vented and flared natural gas
 - 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.

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

APPLICATION FOR DOWNHOLE COMMINGLINGSUBMITTED BY HILCORP ENERGY CO.ORDER NO. DHC-5479

<u>ORDER</u>

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 Corporation ("Applicant") submitted a complete application ("Application") to downhole commingle the pools described in Exhibit A ("the Pools") within the well bore of the well identified in Exhibit A ("the Well").
- 2. Applicant proposed a method to allocate the oil and gas production from the Well to each of the Pools that is satisfactory to the OCD and protective of correlative rights.
- 3. Applicant has certified that all produced fluids from all the Pools are compatible with each other.
- 4. Applicant has certified that downhole commingling the Pools will not decrease the value of the oil and gas production.
- 5. An exception to the notification requirements within 19.15.12.11(C)(1)(b) NMAC was granted by the Division within Order R-10697.
- 6. Applicant provided notice of the Application to the Bureau of Land Management ("BLM") or New Mexico State Land Office ("NMSLO"), as applicable.

CONCLUSIONS OF LAW

- 7. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, Sections 70-2-6, 70-2-11, 70-2-12, 70-2-16, 70-2-17, and 19.15.12 NMAC.
- 8. The downhole commingling of the Pools is common, or Applicant has provided evidence that the fluids are compatible and will not damage the Pools in accordance with 19.15.12.11(A)(1) NMAC.
- 9. The bottom perforation of the lower zone is within one hundred fifty percent (150%) of the depth of the top perforation in the upper zone or Applicant has provided evidence that the proposed commingling of the Pools shall not result in shut-in or flowing well bore pressure in excess of the commingled pool's fracture parting pressure in accordance with 19.15.12.11(A)(3) NMAC.

Order No. DHC-5479

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

<u>ORDER</u>

- 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. 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. eighty-three percent (83%) shall be allocated to the Blanco-Mesaverde pool (pool ID: 72319);
 - b. seventeen percent (17%) shall be allocated to the Basin Dakota pool (pool ID: 71599); and
 - c. zero percent (0%) shall be allocated to the Basin Fruitland Coal (pool ID: 71629)

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 pool (pool ID: 71629);

The current pool(s) are:

- a. the Blanco Mesaverde pool (pool ID: 72319); and
- b. the Basin Dakota 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. ninety one percent (91%) shall be allocated to the Blanco Mesaverde pool (pool ID: 72319); and
- b. nine percent (9.0%) shall be allocated to the Basin Dakota 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

Order No. DHC-5479

determine oil and gas allocation starting on the date of such action until the Well is plugged and abandoned.

- 3. 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.
- 4. 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.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. 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).
- 9. 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

GERASIMOS RAZATOS DIRECTOR (ACTING)

DATE: 4/2/2025

Order No. DHC-5479

State of New Mexico Energy, Minerals and Natural Resources Department

Exhibit A

	Order: DHC - 5479		
	Operator: Hilcorp Energy Co	mpany (372171)	
	Well Name: San Juan 28 7 Unit	t Well No. 164F	
	Well API: 30-039-27031		
	Pool Name: Basin Fruitland Co	bal	
Linnor Zono	Pool ID: 71629	Current:	New:
Upper Zone	Allocation: Subtraction	Oil: 0.0%	Gas: Subt
		Top: 3,123	Bottom: 3,400
	Pool Name: Blanco Mesaverde	e	
Intermediate Zone	Pool ID: 72319	Current: X	New:
Intermediate 20ne	Allocation: Subtraction	Oil: 83.0%	Gas: Subt
		Top: 5,054	Bottom: 5,214
Bottom of Inter	val within 150% of Upper Zone's To	op of Interval: NO	
	Pool Name: Basin Dakota		
Lower Zone	Pool ID: 71599	Current: X	New:
Lower Zone	Allocation: Subtraction	Oil: 17.0%	Gas: Subt
		Top: 7,656	Bottom: 7,850
Bottom of Inter	val within 150% of Upper Zone's To	op of Interval: NO	

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	428659
	Action Type:
	[C-107] Down Hole Commingle (C-107A)

CONDITIONS

Created By		Condition Date
llowe	None	3/31/2025

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Action 428659