RECEIVED:	REVIEWER:	TYPE:	APP NO:
1	- Geologi	ABOVE THIS TABLE FOR OCD D CO OIL CONSERVA ical & Engineering rancis Drive, Santa	g Bureau –
	ADMINIST	RATIVE APPLICATION	Chairmon of the
Vell Name: Pool:	ie and complete in		API: Pool Code: IRED TO PROCESS THE TYPE OF APPLICATIO
A. Location - NS B. Check on [I] Comm [II] Injecti	e only for [I] or [II] hingling – Storage – M DHC □CTB □F	Itaneous Dedicatio PROJECT AREA) DNS Aeasurement PLC PC C ure Increase – Enha	DN SP _(PRORATION UNIT) SD DLS OLM anced Oil Recovery
A. Offset of B. Royalty C. Applica D. Notifica E. Notifica F. Surface G. For all of		olders owners, revenue ow ned notice rent approval by SL rent approval by BL	y. Notice Complete
administrative a understand that	approval is accurate	and complete to t aken on this applica	Ibmitted with this application for the best of my knowledge. I also ation until the required information and
Note	e: Statement must be compl	eted by an individual with	h managerial and/or supervisory capacity.
			Date

Phone Number

Cherylene Weston

Signature

e-mail Address

.

Received by OCD: 8/22/2023 12:24:40 PM

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

pust 1, 2011 APPLICATION TYPE Single Well

APPLICATION FOR DOWNHOLE COMMINGLING

Establish Pre-Approved Pools EXISTING WELLBORE _X_ Yes ____No

·····	
Hilcorp Energy Company	382 Road 3100, Aztec, NM 87410

Operator		Address	
San Juan 27-4 Unit	51	H-29-T27N-R04W	Rio Arriba
Lease	Well No.	Unit Letter-Section-Township-Range	County
	~		

OGRID No. 372171 Property Code 319210 API No. 30-039-20149 Lease Type: X Federal _____ __State ___ _Fee Γ

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE		
Pool Name	Blanco-Mesaverde (Prorated Gas)	Basin Mancos	Basin Dakota		
Pool Code	72319	97232	71599		
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5400' - 6350'	7473 - 7482'	7945' – 8167'		
Method of Production (Flowing or Artificial Lift)	NEW ZONE	NEW ZONE	Artificial Lift		
Bottomhole Pressure Note: Pressure data will not be required if the bottom erforation in the lower zone is within 150% of the epth of the top perforation in the upper zone) 1535 psi		2015 psi	1772 psi		
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1229 BTU	1327 BTU	1255 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,	Date:	Date:	Date: 6/1/2023		
applicant shall be required to attach production estimates and supporting data.)	Rates:	Rates:	Rates: 1,492 Mcf-Gas 0 Bbl-Oil 14 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? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	Yes Yes	No <u>X</u> No <u>X</u>
Are all produced fluids from all commingled zones compatible with each other?	Yes_X	No
Will commingling decrease the value of production?	Yes	Νo <u> </u>
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: <u>R-13681</u>		

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

cweston@hilcorp.com

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

E-MAIL ADDRESS

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 DATE08/22/2023

 TYPE OR PRINT NAME
 Cherylene Weston

Released to Imaging: 9/22/2023 9:58:45 AM

______TELEPHONE NO. _____(713) 289-2615

Page 2 of 41

Form C-107A
Revised August

Received by OGD: 8/22/2023 12:24:40 PM

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

OCD Permitting

Form C-102 August 1, 2011

Page 3 of 41

Permit 341856

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					
30-039-20149	97232	BASIN MANCOS					
4. Property Code	5. Property Name	6. Well No.					
319210	SAN JUAN 27 4 UNIT	051					
7. OGRID No.	8. Operator Name	9. Elevation					
372171	HILCORP ENERGY COMPANY	6884					
	10 Surface Location						

UL - L	_ot	Section		Township		Range		Lot Idn	Feet From	N/S Line		Feet From	E/W Line	County	
	н		29		27N	04	W		1450		N	800	E		RIO
														ARRIBA	

11. Bottom Hole Location If Different From Surface									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00			13. Joint or Infill		14. Consolidatio	n Code		15. Order No.	

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

OPERATOR CERTIFICATION 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: Cherylene Weston
Title: Cherylene Weston
Date: 06/23/2023
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: Russell H McNease
Date of Survey: 6/25/1968
Certificate Number: 1500

District I 1625W. French Dr., Holbs, NM 8624012 VM Phone: (575) 393-6161 Fax: (575) 393-0720 District III 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 6170 Fax: (505) 334 6170

Phone: (505) 334-6178 Fax: (505) 334-6170 **District IV** 1220 S. St Francis Dr., Sonta Fo, NM 87500

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 273913

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-039-20419	72319	BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code	5. Property Name	6. Well No.
319210	SAN JUAN 27 4 UNIT	051
7. OGRID No.	8. Operator Name	9. Elevation
372171	HILCORP ENERGY COMPANY	6884

10. Surface Location Range Lot Idn Feet From E/W Line UL - Lot Section Township Feet From N/S Line County 29 27N 04W 1450 800 Е Н Ν **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 320.00 E/2		13. Joint or Infill		14. Consolidation Code			15. Order No.	

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

	OPERATOR CERTIFICATION 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: 11/08/2019
	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: Russell H McNeace
	Date of Survey: 6/25/1968
	Certificate Number: 1500
Received by OCD: 8/22/2023 12:24:40 PM	Page 4 of 41

Received by OCD: 8/22/2023 12:24:40 MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Page 5 of 41 Form C-102 Supersedes C-128 Effective 1-1-65

		All distances must b	e from the outer boundaries of th	ne Section.
EL PA	SO NATURAL G	AS COMPANY	SAN JUAN 27-4 U	NIT (SF-080670) Well No. 51
it Letter H	Section 29	Township 27-N	Range 4	County RIC ARRIBA
tual Footage Lo 1150	feet from the	NOR TH line on	800	EAST In the
ound Level Elev 6884			Pool	Dedicated Acreage:
	he acreage dedic	· · · · · · · · · · · · · · · · · · ·	BASIN DA	KOTA <u>320.00</u> Acres hachure marks on the plat below.
2. If more t				tify the ownership thereof (both as to working
dated by	communitization,	unitization, force-poo		ave the interests of all REGENERATION
Yes		,	of consolidation	SEP 1 9 1968
If answer this form	is "no," list the if necessary.)	e owners and tract des	scriptions which have actu	ually been consolidated (UCON COM.
				nsolidated (by communitization, unitization, interests, has been approved by the Commis-
		N		
	l	K		S
	ł	R	, o	I hereby certify that the information con- tained herein is true and complete to the
		8	1450	best of my knowledge and belief. Original signed by Carl E. Matthews
	+	\$f ¹		
	I {	R	80	"" TITE SO Natural Gas Co.
	ł	Ø		September 18, 1968
	 1	SECTRON 29		Date
	L	- B		R
	1	В	1	I hereby certify that the well location shown on this plat was plotted from field
	1	R R	SF-080670	notes of actual surveys made by me or
	1	R	l	under my supervision, and that the same is true and correct to the best of my
	Ĩ	K	1	knowledge and belief.
		8		
		N	Ĩ	Date Surveyed
	1	К	1	JUNE 25, 1968
	 	X	-	JUNE 25, 1968 Registered Professional Engineer and/or Land Surveyor
			-	Registered Professional Engineer

DK Mcfd

4

46.

46.4

46.7

45.8

45.5

45.2

44.7

45

Date

Jul-2

Aug-2

Sep-2 Oct-2

Nov-2

Dec-2

Jan-2

Feb-24

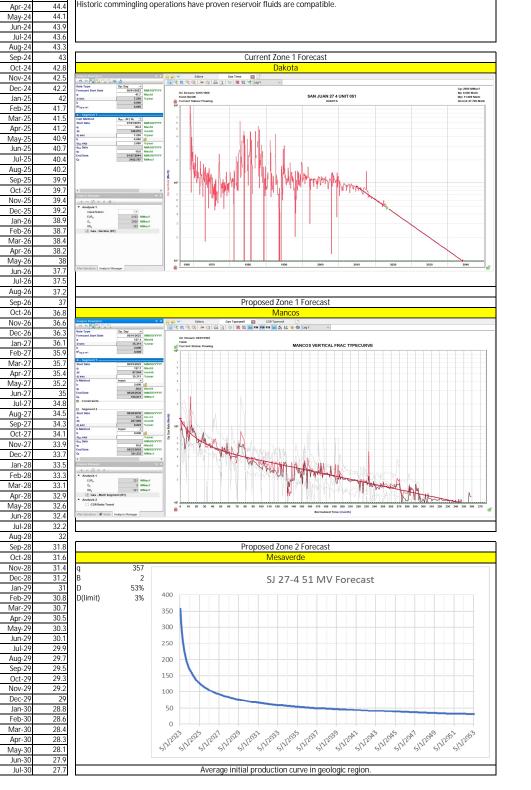
Mar-24

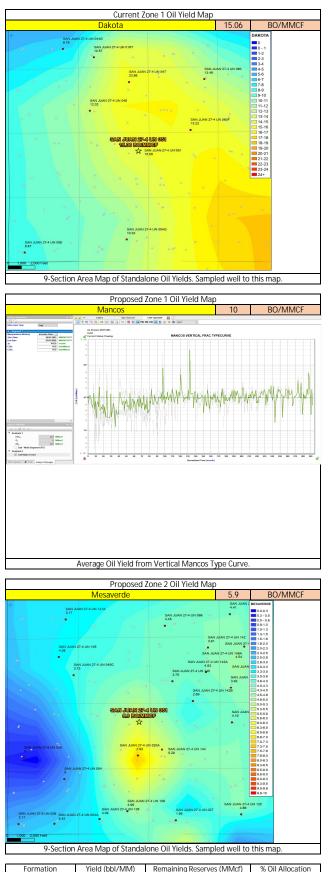
San Juan 27-4 Unit 51 Allocation

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.





	Formation	Yield (bbl/MM)	Remaining Reserves (MMcf)	% Oil Allocation
	DK	15.06	183	28%
	MC	10	321	32%
	MV	5.9	685	40%
-				100%

8/22/2023 12324140 PM J.S. Department of the Interior		Sundry Print Rep 06/27/20
BUREAU OF LAND MANAGEMENT		1976 - F 2000
Well Name: SAN JUAN 27-4 UNIT	Well Location: T27N / R4W / SEC 29 / SENE / 36.547363 / -107.266983	County or Parish/State : RIO ARRIBA / NM
Well Number: 51	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF080670	Unit or CA Name: SAN JUAN 27-4 UNITDK	Unit or CA Number: NMNM78408B
US Well Number: 3003920149	Well Status: Producing Gas Well	Operator : HILCORP ENERGY COMPANY
		COMPANY

Notice of Intent

Sundry ID: 2738032

Received

Type of Submission: Notice of Intent

Date Sundry Submitted: 06/26/2023

Date proposed operation will begin: 07/01/2023

Type of Action: Recompletion Time Sundry Submitted: 03:18

Procedure Description: Hilcorp Energy would like to revise the recomplete NOI that was approved on 11/14/2019. Hilcorp Energy Company requests permission to recomplete the subject well in the Mesaverde and Mancos formations and downhole commingle with the existing Dakota. Please see the attached procedure, current and proposed wellbore diagram, plat and natural gas management plan.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

SJ_27_4_Unit_51_Amended_NOI_20230626151811.pdf

Notify NMOCD 24 Hours Prior to beginning operations

DHC required

The CBL proposed in the procedures shall be submitted to the Division. If the cement sheath around the casing is not adequate to protect the casing and isolate strata from the top Mesaverde perforation to at least 150 feet above the top Mesaverde perforation, then Hilcorp shall conduct operations to remediate it prior to completing or producing from the formation.

Dean R Millure

08/16/2023

Page 2 of 14

Received by OCD:	66317124723: &2319362 M 21-4 UNIT	Well Location: T27N / R4W / SEC 29 / SENE / 36.547363 / -107.266983	County or Parish/State: RIO ARRIBA / NM	
,	Well Number: 51	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:	
	Lease Number: NMSF080670	Unit or CA Name: SAN JUAN 27-4 UNITDK	Unit or CA Number: NMNM78408B	
	US Well Number: 3003920149	Well Status: Producing Gas Well	Operator : HILCORP ENERGY COMPANY	

Operator

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

Operator Electronic Signature: CHERYLENE WESTON

Signed on: JUN 26, 2023 03:17 PM

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: MATTHEW H KADE BLM POC Phone: 5055647736 Disposition: Approved Signature: Matthew Kade BLM POC Title: Petroleum Engineer BLM POC Email Address: MKADE@BLM.GOV Disposition Date: 06/27/2023



HILCORP ENERGY COMPANY SAN JUAN 27-4 UNIT 51 MESA VERDE RECOMPLETION SUNDRY

	JOB PROCEDURES
1.	MIRU service rig and associated equipment; test BOP. Check bradenhead pressures daily and record throughout the recomplete project. Notify NMOCD and BLM of any anomalous pressure changes.
2.	TOOH with 2-3/8" tubing set at 8,154'.
3.	Set a 4-1/2" plug at +/- 7,895' to isolate the Dakota.
4.	Load the hole and perform MIT (Pressure test to 560 psi). Notifiy NMOCD and BLM +/-24hr prior to testing (and in the event of a failed test).
5.	RU W/L. Run CBL, record TOC.
6.	Perforate the Mancos formation (Top Perforation @ 7,473', Bottom perforation @7,482')
7.	Flow test Mancos.
8.	Based on the Mancos flow test and pressures, the decision will be made whether or not to frac the Mancos.
9.	Set a <mark>4-1/2</mark> " plug at +/- <mark>6,500</mark> '.
10.	Load the hole and pressure test casing.
1 1 .	N/D BOP, N/U frac stack and pressure test frac stack.
12.	Perforate and frac the Mesaverde formation (Top Perforation @ 5,400'; Bottom Perforation @ 6,350').
13.	If needed, isolate frac stages with a plug.
14.	Nipple down frac stack, nipple up BOP and test.
15.	Flow Test Mesa Verde.
16.	TIH with a mill and drill out any plugs above the Dakota isolation plug.
17.	Clean out to Dakota isolation plug.
18.	Drill out Dakota isolation plug and cleanout to PBTD of 8,169'. TOOH.
19.	TIH and land production tubing. Get a commingled Dakota/Mancos/Mesaverde flow rate.



HILCORP ENERGY COMPANY SAN JUAN 27-4 UNIT 51 MESA VERDE RECOMPLETION SUNDRY

MD TVD (ftKB) (tKB) 12.1 - 200.5 - 201.8 - 213.9 - 1,965.9 - 2,200.1 - 3,178.0 - 3,579.1 -	6,896.00	ound Distance (ft)	atic (actual)	NEW MEXICO a Distance (#) KB-Tuding Hanger Distance (#) Surface Casing Cement, Casing, 9/29/ 00:00; 12:00-201.62; 1968-09-29; CEMI 185 SXS CLASS 'A', 1/8 CUFT GILSON 2% CACL. CIRCULATE TO SURFACE 1; Surface, 201.62ftKB; 10 3/4 in; 10.19 12:00 ftKB; 201.62 ftKB Intermediate Casing Cement, Casing, 10/4/1968 00:00; 2,200.00-3,922.28; 19 04; TOC 2200' RAN BY TEMP SURVEY	ENT W/
MD (ftKB) TVD (ftKB) 12.1 - 200.5 - 201.8 - 213.9 - 1,965.9 - 2,00.1 - 3,169.9 - 3,579.1 - 3,640.1 - 3,745.1 -	C	riginal Hole	atic (actual)	00:00; 12:00-201.62; 1968-09-29; CEMI 185 SXS CLASS '4; 1/8 CUFT GILSON 2% CACL. CIRCULATE TO SURFACE 1; Surface, 201.62ftKB; 10 3/4 in; 10.19 12:00 ftKB; 201.62 ftKB Intermediate Casing Cement, Casing, 10/4/1968 00:00; 2,200.00-3,922.28; 19	ENT W/
(ffKB) (ffKB) 12.1 200.5 201.8 213.9 1.366.9 2.200.1 3.169.9 3.378.0 3.579.1 3.579.1 3.540.1 3.745.1 3.919.9 -	NACIMIENTO (NACIMIENTO (final)) OJO ALAMO (OJO ALAMO (final)) KIRTLAND (KIRTLAND (final)) FRUITLAND (FRUITLAND (final))		atic (actual)	00:00; 12:00-201.62; 1968-09-29; CEMI 185 SXS CLASS '4; 1/8 CUFT GILSON 2% CACL. CIRCULATE TO SURFACE 1; Surface, 201.62ftKB; 10 3/4 in; 10.19 12:00 ftKB; 201.62 ftKB Intermediate Casing Cement, Casing, 10/4/1968 00:00; 2,200.00-3,922.28; 19	ENT W/
(ftKB) (ftKB) 12.1 200.5 201.8 213.9 1.966.9 2.200.1 3.169.9 3.378.0 3.579.1 3.549.1 3.745.1 3.745.1 3.919.9 -	OJO ALAMO (OJO ALAMO (final)) KIRTLAND (KIRTLAND (final)) FRUITLAND (FRUITLAND (final))	Vertical schema	atic (actual)	00:00; 12:00-201.62; 1968-09-29; CEMI 185 SXS CLASS '4; 1/8 CUFT GILSON 2% CACL. CIRCULATE TO SURFACE 1; Surface, 201.62ftKB; 10 3/4 in; 10.19 12:00 ftKB; 201.62 ftKB Intermediate Casing Cement, Casing, 10/4/1968 00:00; 2,200.00-3,922.28; 19	ENT W/
200.5	OJO ALAMO (OJO ALAMO (final)) KIRTLAND (KIRTLAND (final)) FRUITLAND (FRUITLAND (final))			00:00; 12:00-201.62; 1968-09-29; CEMI 185 SXS CLASS '4; 1/8 CUFT GILSON 2% CACL. CIRCULATE TO SURFACE 1; Surface, 201.62ftKB; 10 3/4 in; 10.19 12:00 ftKB; 201.62 ftKB Intermediate Casing Cement, Casing, 10/4/1968 00:00; 2,200.00-3,922.28; 19	ENT W/
201.8	OJO ALAMO (OJO ALAMO (final)) KIRTLAND (KIRTLAND (final)) FRUITLAND (FRUITLAND (final))			2% CACL. CIRCULATE TO SURFACE 1; Surface, 201.62ft/KB; 10 3/4 in; 10.19 12.00 ft/KB; 201.62 ft/KB Intermediate Casing Cement, Casing, 10/4/1968 00:00; 2,200.00-3,922.28; 19	
213.9	OJO ALAMO (OJO ALAMO (final)) KIRTLAND (KIRTLAND (final)) FRUITLAND (FRUITLAND (final))			12.00 ftKB; 201.62 ftKB	in;
1,965.9	OJO ALAMO (OJO ALAMO (final)) KIRTLAND (KIRTLAND (final)) FRUITLAND (FRUITLAND (final))			Intermediate Casing Cement, Casing, 10/4/1968 00:00; 2,200.00-3,922.28; 19	
2,200.1	OJO ALAMO (OJO ALAMO (final)) KIRTLAND (KIRTLAND (final)) FRUITLAND (FRUITLAND (final))			10/4/1968 00:00; 2,200.00-3,922.28; 19	
3.169.9	- KIRTLAND (KIRTLAND (final)) - FRUITLAND (FRUITLAND (final))			10/4/1968 00:00; 2,200.00-3,922.28; 19	
3,378.0	- KIRTLAND (KIRTLAND (final)) - FRUITLAND (FRUITLAND (final))				
3,579.1 3,640.1 3,745.1 3,919.9	FRUITLAND (FRUITLAND (final))		2522	10/4/1968. CEMENT W/ 105 SXS CLAS	
3,640.1 3,745.1 3,919.9	FRUITLAND (FRUITLAND (final))			4% GEL, 1/4 CUFT/SX GILSONITE FOLLOWED BY 50 SXS CLASS 'C' & 2	%
3,745.1				CACL	
3,919.9					
	PICTURED CLIFFS (PICTURED CLIFF				
	LEWIS (LEWIS (final))				
3,922.2	2.20 a Tubica: 2.22 in: 4.70 lb#: 1.55: 42.00			2; Intermediate1, 3,922.28ftKB; 7 5/8 in	; 6.97
4.255.9	2 3/8in, Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 12.00 ft/kB; 8,120.95 ft/kB			in; 12.00 ftKB; 3,922.28 ftKB	
4,708.0	CHACRA (CHACRA (final))				
5,421.9	CLIFF HOUSE (CLIFF HOUSE (final))				
5,521.0	MENEFEE (MENEFEE (final))			Production Casing Cement, Casing, 10 00:00; 3,640.00-8,172.61; 1968-10-09;)/9/1968 FOC
5,924.9	POINT LOOKOUT (POINT LOOKOUT (f			3640' RAN BY TEMP SURVEY ON 10/9 CEMENT W/ 300 SXS CLASS 'A', 8% G	
6,424.9	MANCOS (MANCOS (final))			1/4 CUFT GILSONITE, 0.4% R5 FOLLO BY 150 SXS CLASS 'A', 1# TUF-PLUG	
6,439.6	indices (indices (indi))			0.04% R5	
7,122.0			·····		
7,859.9	GREENHORN (GREENHORN (final))				
7,918.0	DAKOTA (DAKOTA (final))				
7,944.9					
7,970.1				7,945.0-8,167.0ftKB on 10/10/1968 00:0	
8,121.1	2 3/8in, Pump Seating Nipple; 2 3/8 in;			(PERF - DAKOTA); 7,945.00-8,167.00; 10-10	
8,122.0	8,120.95 ftKB; 8,122.05 ftKB				
8,153.2	2 3/8in, Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 8,122.05 ftKB; 8,153.25 ftKB				
8,153.9	2 3/8in, Expendable Check; 2 3/8 in; 8,153.25 ftKB; 8,154.00 ftKB		800		
8,167.0				Production Casing Cement, Casing, 10 00:00 (plug); 8,169.00-8,172.61; 1968-	10-09;
8,169.0	<tp>(PBTD); 8,169.00</tp>			TOC 3640' RAN BY TEMP SURVEY OF 10/9/1968. CEMENT W/ 300 SXS CLAS	N
8,170.3				8% GEL, 1/4 CUFT GILSONITE, 0.4% FOLLOWED BY 150 SXS CLASS 'A', 14	R5
8,171.3				PLUG & 0.04% R5	
				3; Production 1, 8,172.61ftKB; 4 1/2 in; 12.00 ftKB; 8,172.61 ftKB	111111
8,172.6					4.00 in;



HILCORP ENERGY COMPANY SAN JUAN 27-4 UNIT 51 MESA VERDE RECOMPLETION SUNDRY

03920149 Ind Elevation (ft)	Surface Legal Location Field Name 029-027N-004W-H BASIN DAKOTA (PROR Orliginal KB/RT Elevation (ft) KB-Ground	ATED GAS)	Route 1401 KB-Casing Flange	NEW MEXICO	Well Configuration Type
84.00	6,896.00 12.00				
	Orig	ginal Hole			
MD TVD KB) (ftKB)		Vertical schema	tic (actual)		
2.1				Surface Casing Cement, 00:00; 12.00-201.62; 196	Casing, 9/29/1968
00.5				185 SXS CLASS 'A', 1/8 (2% CACL. CIRCULATE	CUFT GILSONITE &
01.8		S		1; Surface, 201.62ftKB; 1 12.00 ftKB; 201.62 ftKB	
13.9					
965.9	NACIMIENTO (NACIMIENTO (final))	_		Intermediate Casing Cer	ment, Casing,
200.1				10/4/1968 00:00; 2,200.0 04; TOC 2200' RAN BY 1	EMP SURVEY ON
169.9	OJO ALAMO (OJO ALAMO (final))			10/4/1968. CEMENT W/ 4% GEL, 1/4 CUFT/SX G	SILSONITE
378.0	KIRTLAND (KIRTLAND (final))			FOLLOWED BY 50 SXS CACL	CLASS 'C' & 2%
579.1	FRUITLAND (FRUITLAND (final))				
540.1					
745.1	PICTURED CLIFFS (PICTURED CLIFF				
919.9	LEWIS (LEWIS (final))				
921.3				2; Intermediate1, 3,922.2	
256.9	2 3/8in, Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 12.00 ftKB; 8,120.95 ftKB			in; 12.00 ftKB; 3,922.28 f	tKB
708.0	CHACRA (CHACRA (final))				
421.9	CLIFF HOUSE (CLIFF HOUSE (final))				
521.0	MENEFEE (MENEFEE (final))		-41	Production Casing Cem 00:00; 3,640.00-8,172.61	; 1968-10-09; TOC
924.9	POINT LOOKOUT (POINT LOOKOUT (fi		-18	3640' RAN BY TEMP SU CEMENT W/ 300 SXS CI	ASS 'A', 8% GEL,
424.9	MANCOS (MANCOS (final))			1/4 CUFT GILSONITE, 0 BY 150 SXS CLASS 'A', 1	
439.6				0.04% R5	
122.0	GALLUP (GALLUP (final))		······		
859.9	GREENHORN (GREENHORN (final))				
918.0	DAKOTA (DAKOTA (final))				
944.9					
970.1				7,945.0-8,167.0ftKB on 1 (PERF - DAKOTA); 7,948	
121.1	2 3/8in, Pump Seating Nipple; 2 3/8 in; 8,120.95 ftKB; 8,122.05 ftKB	1000		10-10	
122.0	2 3/8in, Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 8,122.05 ftKB; 8,153.25 ftKB	5000 5000 5000			
153.2	2 3/8in, Expendable Check; 2 3/8 in; 8,153.25 ftKB; 8,154.00 ftKB				
167.0				Production Casing Cem 00:00 (plug); 8,169.00-8.	
169.0	<typ> (PBTD); 8,169.00</typ>			TOC 3640' RAN BY TEM 10/9/1968. CEMENT W/	P SURVEY ON
170.3				8% GEL, 1/4 CUFT GILS FOLLOWED BY 150 SXS	ONITE, 0.4% R5
171.3				PLUG & 0.04% R5	
172.6				3; Production1, 8,172.61 12.00 ftKB; 8,172.61 ftKB	
ww.peloton.c	om	Page 1/1		Rep	ort Printed: 5/19/2023

Received by OCD: 8/22/2023 12324:40 PM

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.

OCD Permitting

Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-039-20149	97232	BASIN MANCOS
4. Property Code	5. Property Name	6. Well No.
319210	SAN JUAN 27 4 UNIT	051
7. OGRID No.	8. Operator Name	9. Elevation
372171	HILCORP ENERGY COMPANY	6884

10. Surface Location

						101 0	arrade Eestaar					
UL - Lot	Section		Township		Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County	
	H	29		27N	04W		145) N	800	E		RIO
											ARRIBA	

			11. Bottom I	Iole Location	If Different Fi	rom Surface			
UL - Lot	Section	Township	Range	Lot ldn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated A 320			13. Joint or Infill		14. Consolidatio	n Code		15. Order No.	

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

OPERATOR CERTIFICATION 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: Cherylene Weston
Title: Cherylene Weston
Date: 06/23/2023
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: Russell H McNease
Date of Survey: 6/25/1968
Certificate Number: 1500

Form C-102 August 1, 2011

Permit 341856

District I

Form C-102 August 1, 2011

Permit 273913

1625 N. French Dr.; Hobbs, MM38524028 bW 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

372171

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

1. API Number	2. Pool Code	3. Pool Name
30-039-20419	72319	BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code	5. Property Name	6. Well No.
319210	SAN JUAN 27 4 UNIT	051
7. OGRID No.	8. Operator Name	9. Elevation

HILCORP ENERGY COMPANY

				10. S	urface Locatio	n				
UL - Lot H	Section 29	Township 27N	Range 04W	Lot Idn	Feet From 1450	N/S Line N	Feet From 800	E/W Line E	County RIO	ARRIBA

6884

WELL LOCATION AND ACREAGE DEDICATION PLAT

			11. Bottom	Hole Location	If Different Fi	rom Surface			
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated A 320	.00 E/2		13. Joint or Infill		14. Consolidatio	n Code		15. Order No.	

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

	OPERATOR CERTIFICATION 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 Trujilla
	Title: Operations/Regulatory Tech Sr
	Date: 11/08/2019
	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 bes of my belief.
	Surveyed By: Russell H McNeace
	Date of Survey: 6/25/1968
	Certificate Number: 1500
Received by OCD: 6/27/2023 8:30:42 AM	Page 7 of 14

Received by OCD: 8/22/2023 12324:404PM

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

I. Operator: <u>Hilcorp Energy Company</u> OGRID: <u>372171</u> Date: <u>6/26/2023</u>

perator. <u>Inteolo Energy Company</u> OGRID. <u>372171</u> Date. <u>0720</u>

II. Type: \square Original \square Amendment due to \square 19.15.27.9.D(6)(a) NMAC \square 19.15.27.9.D(6)(b) NMAC \square Other.

If Other, please describe:

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Antici pated Oil	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
San Juan 27-4 Unit 51	3003920149	H-29-27N-4W	1450' FNL & 800' FEL	2	357	.5

IV. Central Delivery Point Name: Ignacio Processing Plant [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
<u>San Juan 27-4 Unit 51</u>	<u>3003920149</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	Not Yet Scheduled

VI. Separation Equipment: 🛛 Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: \boxtimes Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: 🖂 Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

I 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.

Section 3 - Certifications Effective May 25, 2021

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 Weston
Printed Name: Cheryl Weston
Title: Operations/Regulatory Tech Sr.
E-mail Address: cweston@hilcorp.com
Date: 6/26/2023
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
 - o 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.

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	233166
	Action Type:
	[C-103] NOI Recompletion (C-103E)

CONDITIONS

o o no no no		
Created By	Condition	Condition Date
dmcclure	Notify NMOCD 24 Hours Prior to beginning operations	8/16/2023
dmcclure	DHC required	8/16/2023
dmcclure	The CBL proposed in the procedures shall be submitted to the Division. If the cement sheath around the casing is not adequate to protect the casing and isolate strata from the top Mesaverde perforation to at least 150 feet above the top Mesaverde perforation, then Hilcorp shall conduct operations to remediate it prior to completing or producing from the formation.	8/16/2023

Page 21 of 41

Action 233166



July 31, 2023

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

Re:	C-107A (Downhole Commingle)
	San Juan 27-4 Unit 51
	API No. 30-039-20149
	Section 29, T27N-R04W
	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 Mancos (Pool Code: (97232)
- > Basin Dakota (Pool Code: (71599)
- Blanco Mesaverde (Pool Code: (72319)

Order No. R-13681 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

huck Carekanon

Charles E (Chuck) Creekmore Division Landman Hilcorp Energy Company 1111 Travis Street, Houston TX 77002 PO Box 61229, Houston TX 77208-1229 Main: 713/209-2400; Direct: 832/839-4601 Cell: 505/320-9910; Fax: 713/209-2420 ccreekmore@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 Q
Subject:	Approved Administrative Order DHC-5324
Date:	Friday, September 22, 2023 9:47:48 AM
Attachments:	DHC5324 Order.pdf

NMOCD has issued Administrative Order DHC-5324 which authorizes Hilcorp Energy Company (372171) to downhole commingle production within the following well:

Well Name: San Juan 27 4 Unit #51 Well API: 30-039-20149

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

San Juan 27-4 Unit 51 Allocation

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

Production Allocation Method – Subtraction

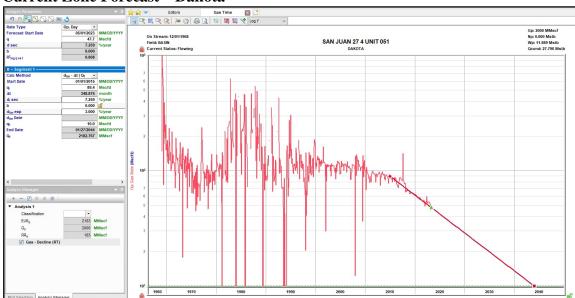
Gas Allocation:

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

New zones will be allocated using a fixed allocation. Forecasted rates for MC and MV are based on offsets type curve. The maps show the standalone offsets that were used for type-curves. The split between MC and MV is bason the ratio of forecasted reserves as shown in the table below.

Formation	% Gas Allocation	
Mancos	321	32%
Mesaverde	685	68%

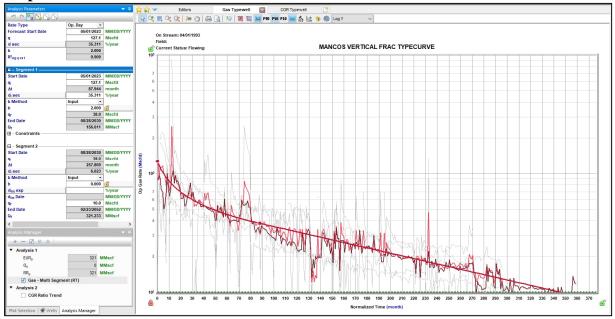
After 3 years production will stabilize. A production average will be gathered during the 4th year and will be utilized to create a fixed percentage-based allocation.



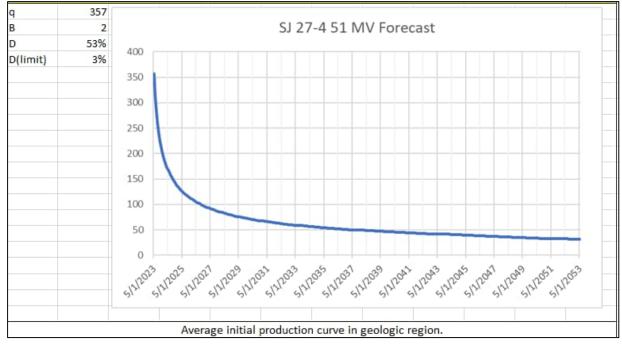
Current Zone Forecast – Dakota

Released to Imaging: 9/22/2023 9:58:45 AM

Proposed Zone 1 Forecast - Mancos



Proposed Zone 2 Forecast - Mesaverde

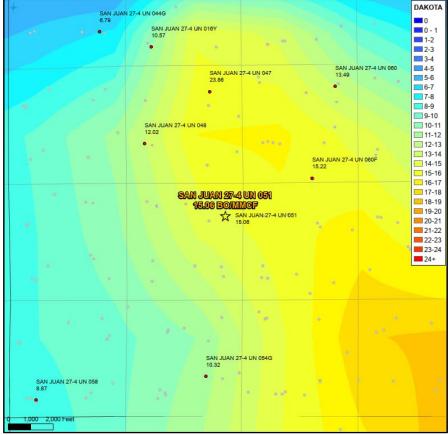


Oil Allocation:

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.

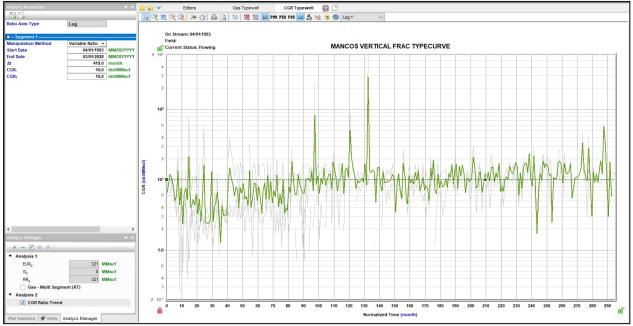
Formation	Yield (bbl/MM)	% Oil Allocation
Dakota	15.06	28%
Mancos	10	32%
Mesaverde	5.9	40%

Current Zone – Dakota Oil Yield Map



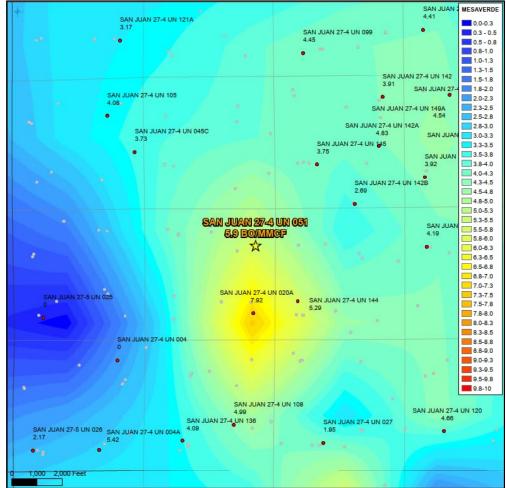
9-Section Area of Standalone Oil Yields. Sampled well to this map.

Proposed Zone 1 – Mancos Oil Yield



Average Oil Yield from Vertical Mancos Type Curve.

Proposed Zone 2 - Mesaverde Oil Yield Map



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

Office <u>District I</u> – (575) 393-6161	M State of New Mexico Energy, Minerals and Natural Resources	Form C-103 Revised July 18, 2013 WELL API NO. 30-039-20149 5. Indicate Type of Lease STATE FEE 6. State Oil & Gas Lease No. Federal NMSF080670		
I625 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	OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505			
SUNDRY NOTIC (DO NOT USE THIS FORM FOR PROPOSA DIFFERENT RESERVOIR. USE "APPLICA	ES AND REPORTS ON WELLS LS TO DRILL OR TO DEEPEN OR PLUG BACK TO A TION FOR PERMIT" (FORM C-101) FOR SUCH	7. Lease Name or Unit Agreement Name San Juan 27-4 Unit		
PROPOSALS.) 1. Type of Well: Oil Well G	as Well 🛛 Other	8. Well Number 51		
2. Name of Operator Hilcorp Energy Company		9. OGRID Number 372171		
3. Address of Operator 382 Road 3100, Aztec NM 8	37410	10. Pool name or Wildcat Blanco MV/Basin MC/Basin DK		
	from the <u>North</u> line and <u>800</u> feet from the <u>E</u>			
	hip 27N Range 04W NMPM 11. Elevation (Show whether DR, RKB, RT, GR, etc 6884' GL	Rio Arriba County		
12. Check App	propriate Box to Indicate Nature of Notice,	Report or Other Data		

NOTICE OF IN	ITENTION TO:	SUBSEQUENT REPORT OF:				
PERFORM REMEDIAL WORK	PLUG AND ABANDON		REMEDIAL WORK		ALTERING CA	ASING 🗌
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DRILLING OPN	S.🗌	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 Basin Mancos (pool 97232) / Blanco Mesaverde (pool 72319) and downhole commingle the existing Basin Dakota (pool 71599) with the Mesaverde and Mancos. 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 - 5400' - 6350'; MC - 7473' - 7482'; DK - 7945' - 8167' These perforations are in TVD.

As referenced in Order # **R-13681** 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 Op	erations/Regulatory Techni	cian Sr.	DATE 08/22/2023
Type or print name _ For State Use Only	Cherylene Weston	_E-mail address: _	cweston@hilcorp.com	_PHONE:	713-289-2615
APPROVED BY: Conditions of Appro	oval (if any):	TITLE			DATE

Released to Imaging: 9/22/2023 9:58:45 AM

Respired by 9 GP: 8/22/2023 12:24:40 PM

District

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 OCD Permitting

_ . . _ . . _

Page 29 of 41 Form C-102

August 1, 2011 Permit 341856

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					
30-039-20149	97232	BASIN MANCOS					
4. Property Code	5. Property Name	6. Well No.					
319210	SAN JUAN 27 4 UNIT	051					
7. OGRID No.	8. Operator Name	9. Elevation					
372171	HILCORP ENERGY COMPANY	6884					

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
Н	29	27N	04W		1450	N	800	E	RIO
									ARRIBA

11. Bottom Hole Location If Different From Surface									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
									,
12. Dedicated Acres 320.00		13. Joint or Infill 14. Consolidation Code 15. Order No.							

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

OPERATOR CERTIFICATION 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: Cherylene Weston
Title: Cherylene Weston
Date: 06/23/2023
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: Russell H McNease
Date of Survey: 6/25/1968
Certificate Number: 1500

District I 1625W. French Dr., Hobbs, NM 8624012 VM Phone: (575) 393-6161 Fax: (575) 393-0720 District III 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) 324 6170 For: (505) 324 6170

Phone:(505) 334-6178 Fax:(505) 334-6170

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 273913

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-039-20419	72319	BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code	5. Property Name	6. Well No.
319210	SAN JUAN 27 4 UNIT	051
7. OGRID No.	8. Operator Name	9. Elevation
372171	HILCORP ENERGY COMPANY	6884

10. Surface Location Range Lot Idn N/S Line Feet From E/W Line UL - Lot Section Township Feet From County 29 27N 04W 1450 800 Е Н Ν **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	.00 E/2		13. Joint or Infill		14. Consolidatio	n Code		15. Order No.	

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

OPERATOR CERTIFICATION 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: 11/08/2019
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: Russell H McNeace Date of Survey: 6/25/1968 Certificate Number: 1500

Received by OCD: 8/22/2023 12:24:40 PM

Page 30 of 41

Received by OCD: 8/22/2023 12:24: A EXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Page 31 of 41 Form C-102 Supersedes C-128 Effective 1-1-65

		All distances must be l	rom the outer boundaries o	of the Section.	
EL PAS	O NATURAL GA	S COMPANY	Lease SAN JUAN 27-4	UNIT (S	SF-080670) Well No. 51
Jnit Letter H	Section 29	Township 27-N	Range 4-W	County RIC /	ARRIBA
Actual Footage Loc 1150	ation of Well: feet from the	NORTH line and	800	et from the	EAST
Ground Level Elev. 6884	Producing Fo	······································	BASIN	·····	Dedicated Acreage:
·····	e acreage dedica				arks on the plat below.
2. If more th	an one lease is	dedicated to the wel	l, outline each and id	lentify the ow	nership thereof (both as to working
interest ar	nd' royalty).	-			
		lifferent ownership is unitization, force-pooli		, have the int	erests of all operspeen proli-
Yes	No Ifa	nswer is "yes," type a	f consolidation	Unitizati	
If answer					consolidated IL UCORVERSE side of
					DIST. 3
forced-pool					by communitization, unitization, has been approved by the Commis-
sion.		Ň			CERTIFICATION
	l	S S		И	
	ł	R	50	Ø	I hereby certify that the information con- tained herein is true and complete to the
	i i	8	, A	X	best of my knowledge and belief. Original signed by Carl E. Matthews
	+	\$f ²		K	Fetrolous Reginser
	I Ş	R		300'	IT Paso Habural Gas Co.
		8		K	Stylisber 18, 1965
	i . 1	SECTRON 29		R	Date
	1			K	
	f	· K	1	Ŕ	I hereby certify that the well location shown on this plat was plotted from field
•	1	R	SF-080670	X	notes of actual surveys made by me or
	, İ	K	1	R	under my supervision, and that the same is true and correct to the best of my
	+			1	knowledge and belief.
	1	K	1	8-	Dote Surveyed
	1	Ř			JUNE 25, 1968
		X	- 1	N.	ind/or Land Surveyor
	 			A A A	Eusself 7 Mcheace
330 660	90 1320 1650 198	10 2310 2640 2000	1500 1000	500 0	1500

San Juan 27-4 Unit 51 Allocation

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

Production Allocation Method – Subtraction

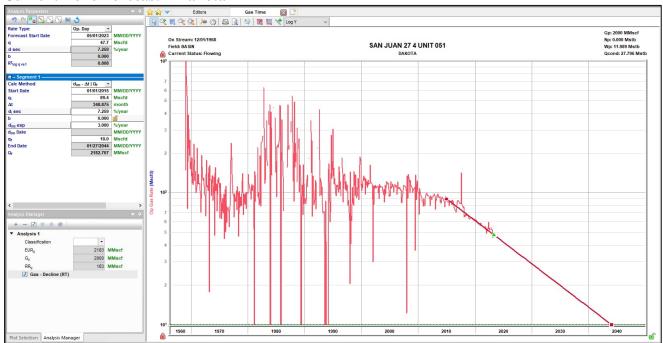
Gas Allocation:

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

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.

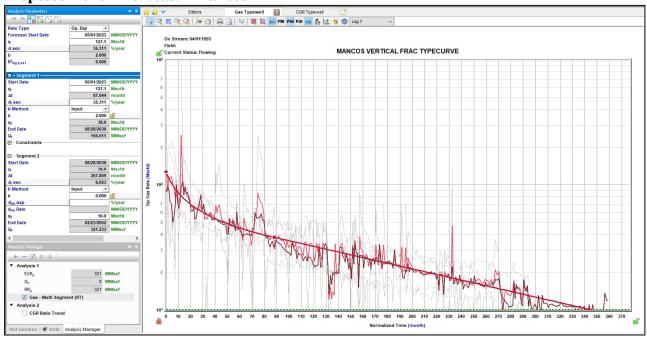
Formation	Remaining Reserves (MMcf)	% Gas Allocation
Mancos	321	32%
Mesaverde	685	68%

Current Zone Forecast – Dakota

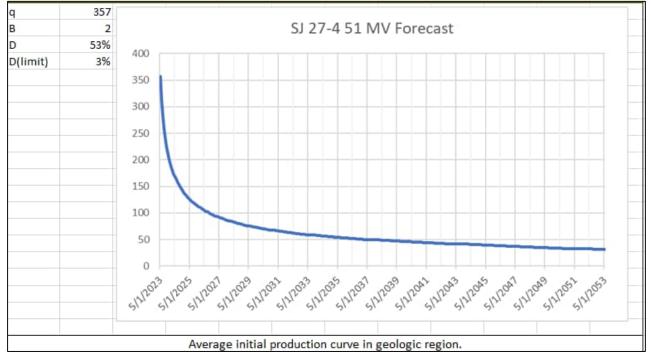


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Proposed Zone 1 Forecast - Mancos



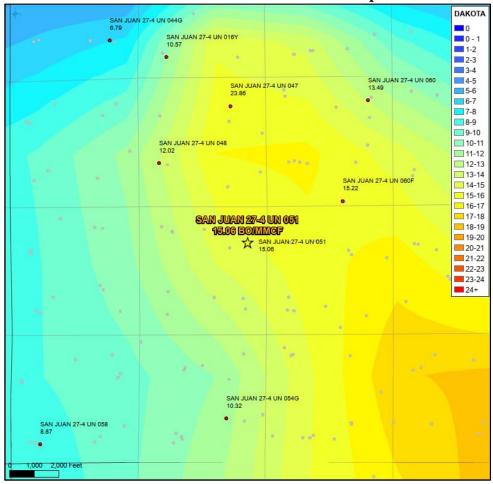
Proposed Zone 2 Forecast - Mesaverde



Oil Allocation:

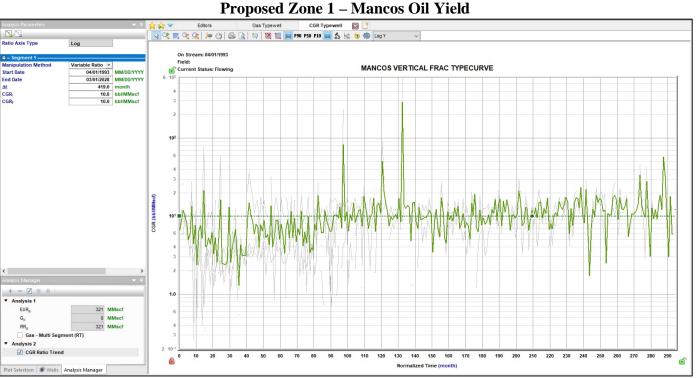
Oil production will be allocated based on average formation yields from offset wells and will be a fixed rate for 4 years. After 4 years oil will be reevaluated and adjusted as needed based on average formation yields and new fixed gas allocation.

Formation	Yield (bbl/MM)	% Oil Allocation
Dakota	15.06	28%
Mancos	10	32%
Mesaverde	5.9	40%

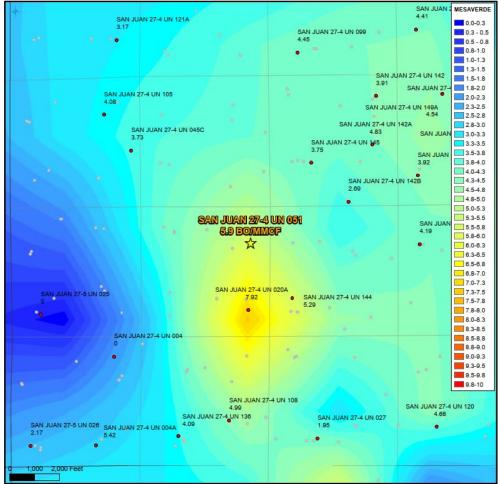


Current Zone – Dakota Oil Yield Map

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



Average Oil Yield from Vertical Mancos Type Curve.



Proposed Zone 2 - Mesaverde Oil Yield Map

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

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

APPLICATION FOR DOWNHOLE COMMINGLINGSUBMITTED BY HILCORP ENERGY COMPANYORDER NO. DHC-5324

<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 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 shutin 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-13681.
- 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.

<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. This Order supersedes Order DHC-5073.
- 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. forty percent (40%) shall be allocated to the BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319);
 - b. thirty-two percent (32%) shall be allocated to the BASIN MANCOS pool (pool ID: 97232); and
 - c. twenty-eight percent (28%) 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); and
- b. the BASIN MANCOS pool (pool ID: 97232).

The current pool(s) are:

a. the BASIN DAKOTA (PRORATED GAS) pool (pool ID: 71599).

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

- a. sixty-eight percent (68%) shall be allocated to the BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319); and
- b. thirty-two percent (32%) shall be allocated to the BASIN MANCOS pool (pool ID: 97232).

Applicant shall calculate the oil and gas production average during the fourth year after the commencement of commingling, which shall be used to establish a fixed percentage of the total oil and gas production that shall be allocated to each of the Pools ("fixed percentage allocation plan"). No later than ninety (90) days after the fourth year, Applicant shall submit a Form C-103 to the OCD Engineering Bureau that includes the fixed percentage allocation plan and all data used to determine it. If Applicant fails to do so, this Order shall terminate

on the following day. If OCD denies the fixed percentage allocation plan, this Order shall terminate on the date of such action. If OCD approves the percentage allocation plan with or without modifications, then the approved percentage allocation plan shall be used to determine oil and gas allocation starting on the date of such action until the Well is plugged and abandoned.

- 4. If an alteration is made to the Well or a condition within the Well changes which may cause the allocation of production to the Pools as approved within this Order to become inaccurate, then no later than sixty (60) days after that event, Applicant shall submit Form C-103 to the OCD Engineering Bureau describing the event and include a revised allocation plan. If OCD denies the revised allocation plan, this Order shall terminate on the date of such action.
- 5. If any of the pools being commingled is prorated, or the Well's production has been restricted by an OCD order in any manner, the allocated production from each producing pool in the commingled well bore shall not exceed the top oil or gas allowable rate for a well in that pool or rate restriction applicable to the well.
- 6. If the Well is deepened, then no later than forty-five (45) days after the Well is deepened, Applicant shall conduct and provide logs to OCD that are sufficient for OCD to determine which pool(s) each new completed interval of the Well will produce from.
- 7. If the downhole commingling of the Pools reduces the value of the oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new downhole commingling application to OCD to amend this Order to remove the pool that caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
- 8. If a completed interval of the Well is altered from what is submitted within the Application as identified in Exhibit A, then no later than sixty (60) days after the alteration, Applicant shall submit Form C-103 to the OCD Engineering Bureau detailing the alteration and completed interval.
- 9. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).
- 10. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

DYLAN M. FUGE DIRECTOR DATE: <u>9/21/2023</u>

Order No. DHC-5324

.

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

	Order: DHC-5324		
	Operator: Hilcorp Energy Co	mpany (372171)	
	Well Name: San Juan 27 4 Uni	t #51	
	Well API: 30-039-20149		
	Pool Name: BLANCO-MESAVE	RDE (PRORATED GAS)	
Linnor Zono	Pool ID: 72319	Current:	New: X
Upper Zone	Allocation:	Oil: 40%	Gas: 68%
	Interval: Perforations	Top: 5,400	Bottom: 6,350
	Pool Name: BASIN MANCOS		
Intermediate Zone	Pool ID: 97232	Current:	New: X
	Allocation:	Oil: 32%	Gas: 32%
	Interval: Perforations	Top: 7,473	Bottom: 7,482
Bottom of Inter	val within 150% of Upper Zone's To	op of Interval: YES	
	Pool Name: BASIN DAKOTA (F	PRORATED GAS)	
Lauran Zana	Pool ID: 71599	Current: X	New:
Lower Zone	Allocation:	Oil: 28%	Gas:
	Interval: Perforations	Top: 7,945	Bottom: 8,167
Bottom of Inter	val within 150% of Upper Zone's To	op of Interval: NO	

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

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District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

CONDITIONS

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	255522
	Action Type:
	[C-107] Down Hole Commingle (C-107A)

CONDITION				
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.	9/22/2023		

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Action 255522