

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

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



ADMINISTRATIVE APPLICATION CHECKLIST

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

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

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

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

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

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

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

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

 Print or Type Name



 Signature

Date

Phone Number

e-mail Address

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised August 1, 2011

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

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

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

District III
1000 Rio Brazos Road, Aztec, NM 87410

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

APPLICATION FOR DOWNHOLE COMMINGLING

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

Mansfield **11N** **K-29-30N-09W** **San Juan**
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 372171 Property Code 318617 API No. 30-045-34321 Lease Type: Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Basin Fruitland Coal	Blanco Mesaverde	Basin Dakota
Pool Code	71629	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2211' - 2766'	4320' - 5054'	7132' - 7240'
Method of Production (Flowing or Artificial Lift)	Artificial Lift	Artificial Lift	Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	104 psi	123 psi	208 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1131 BTU	1256 BTU	1051 BTU
Producing, Shut-In or New Zone	New Zone	Producing	Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: Rates:	Date: 11/1/2022 Rates: Oil: 2 BBLS Gas: 1222 mcf Water: 0 BBL	Date: 11/1/2022 Rates: Oil: 1 BBLS Gas: 816 mcf Water: 0 BBL
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? Yes No
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No

Are all produced fluids from all commingled zones compatible with each other? Yes No

Will commingling decrease the value of production? Yes No

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes No

NMOC Reference Case No. applicable to this well: _____

Attachments:

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

PRE-APPROVED POOLS

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

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

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

SIGNATURE  TITLE Operations/Regulatory Technician DATE 2/7/2023

TYPE OR PRINT NAME Amanda Walker TELEPHONE NO. 346-237-2177

E-MAIL ADDRESS mwalker@hilcorp.com

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005
Instructions on back
District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

Submit to APN or State
RECEIVED
BLANK AMENDED REPORT
210 FARMINGTON NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34321		² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7284	⁵ Property Name MANSFIELD		⁶ Well Number 11N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		⁹ Elevation 6028'

¹⁰ Surface Location

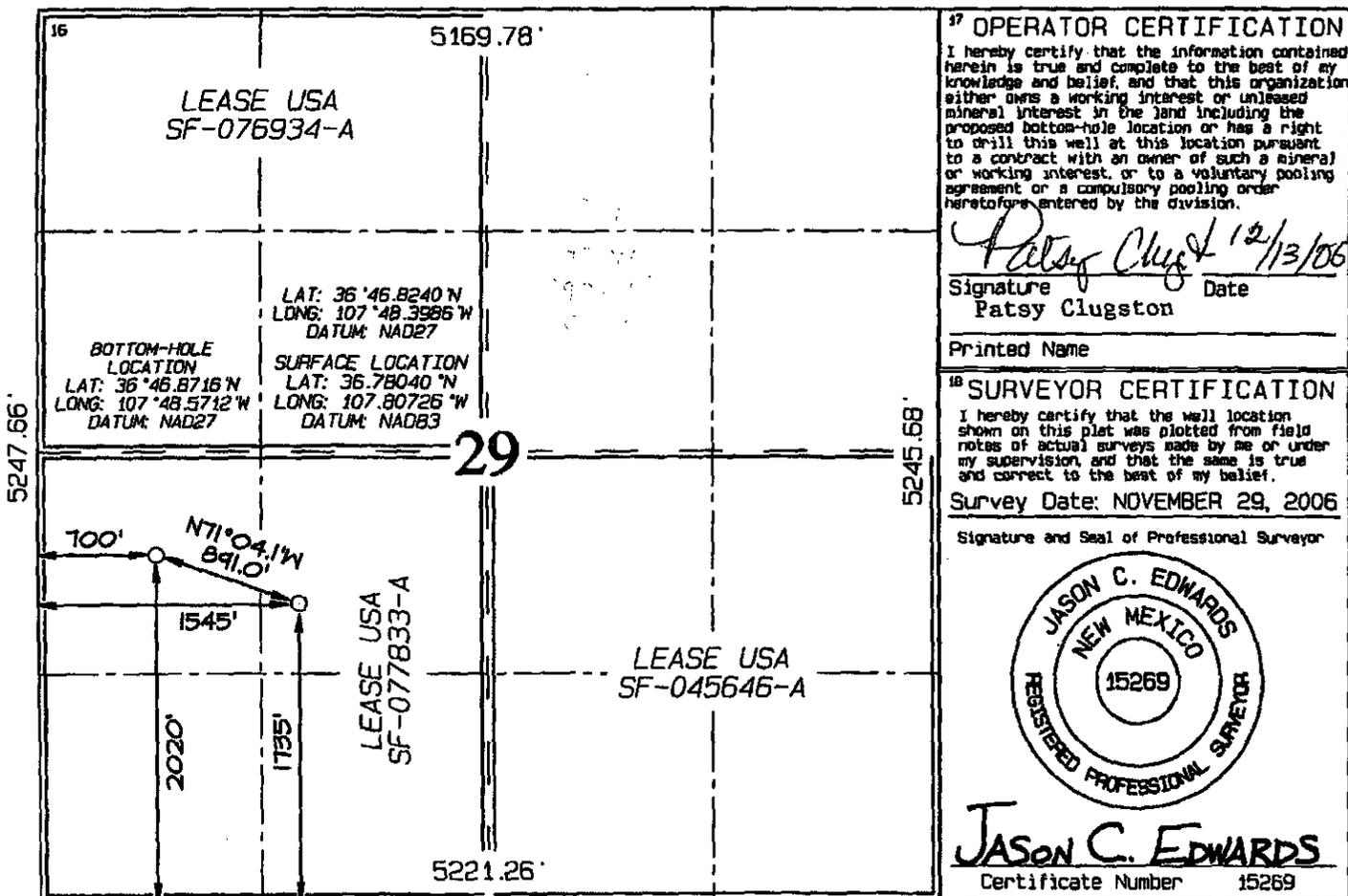
U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	29	30N	9W		1735	SOUTH	1545	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	29	30N	9W		2020	SOUTH	700	WEST	SAN JUAN

¹² Dedicated Acres 320 MV (W/2)/320 DK (S/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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

August 1, 2011

Permit 332824

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-045-34321	2. Pool Code 71629	3. Pool Name BASIN FRUITLAND COAL (GAS)
4. Property Code 318617	5. Property Name MANSFIELD	6. Well No. 011N
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6028

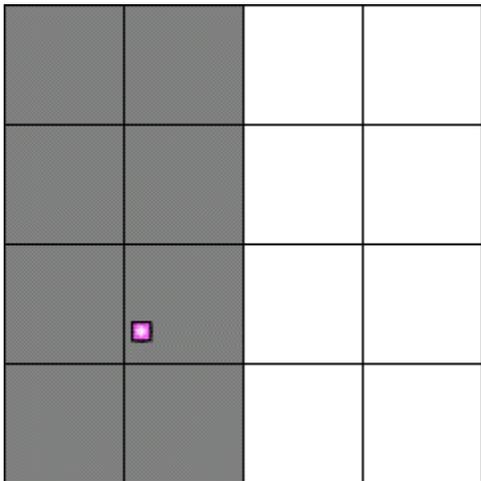
10. Surface Location

UL - Lot K	Section 29	Township 30N	Range 09W	Lot Idn	Feet From 1685	N/S Line S	Feet From 1505	E/W Line W	County SAN JUAN
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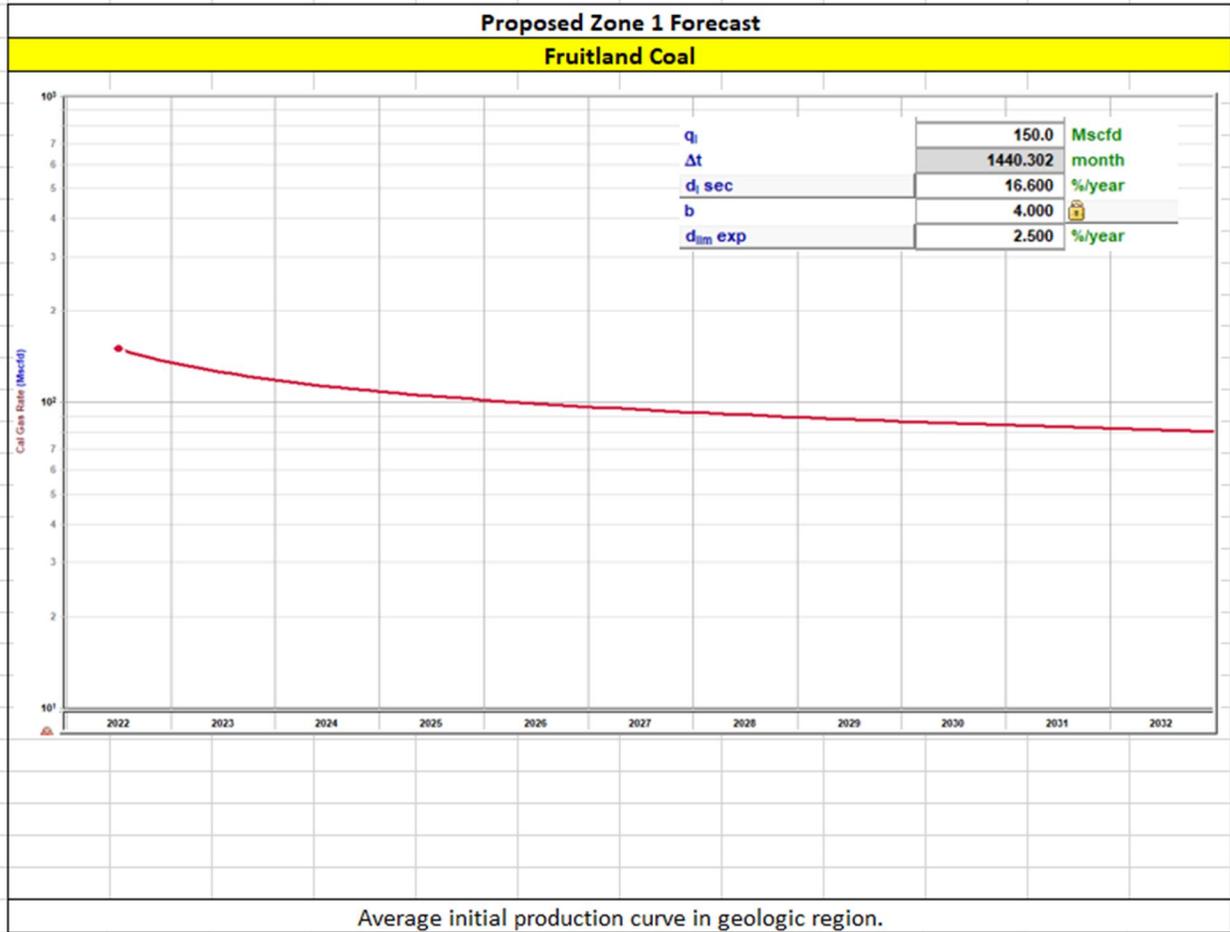
11. Bottom Hole Location If Different From Surface

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

	<p style="text-align: center;">OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>E-Signed By: <i>[Signature]</i> Title: Operations Regulatory Tech Sr. Date: 1/19/2023</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Surveyed By: Jason Edwards Date of Survey: 11/29/2006 Certificate Number: 15269</p>
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The near wellbore shut-in bottom hole pressures of the above reservoirs are much lower than the calculated far-field stabilized reservoir pressure 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, commingling the above reservoirs in this well will not result in shut-in or flowing wellbore 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.



HEC Comments

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.

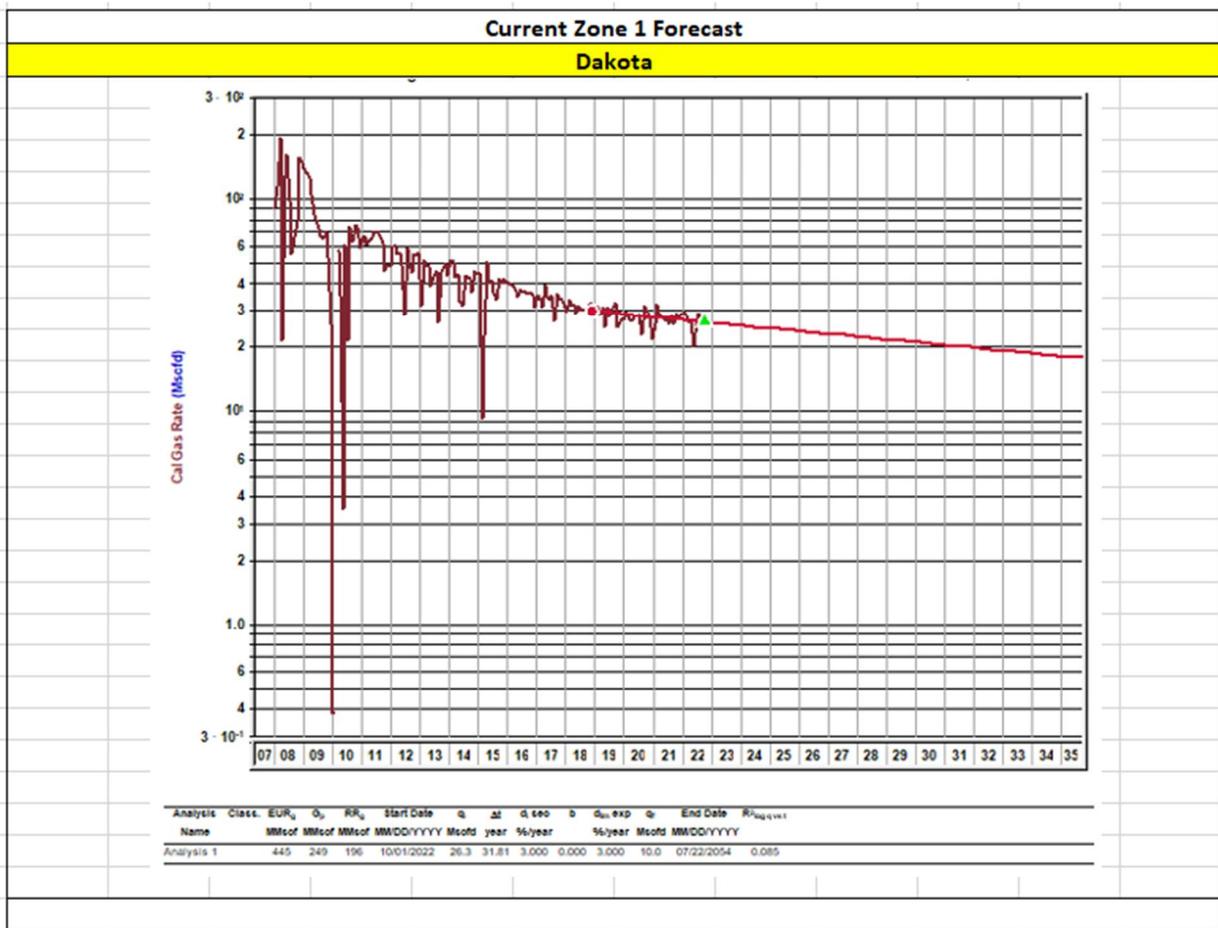
Production Allocation Method - Subtraction

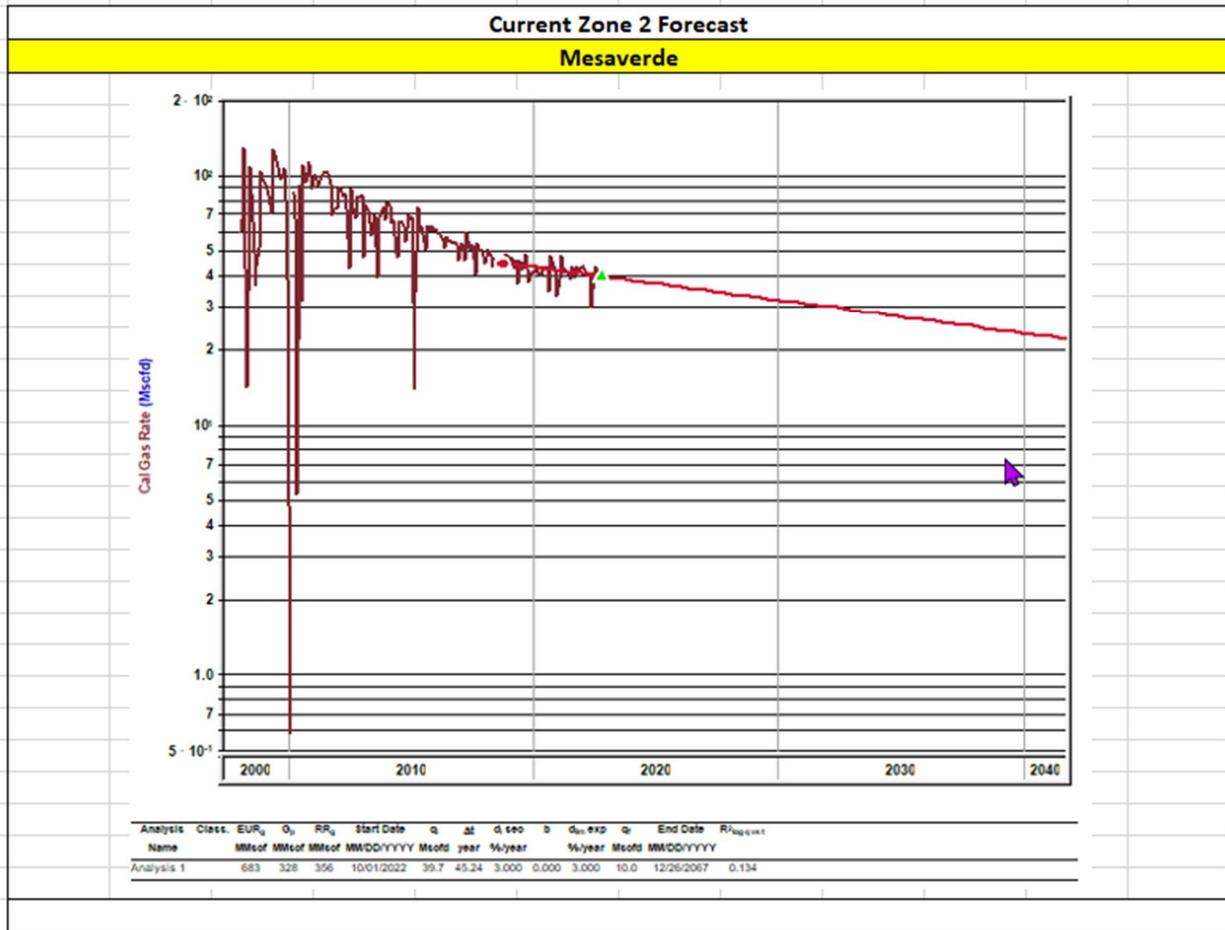
Gas Allocation:

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

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.

Hilcorp intends to continue to allocate the projected base production on the same fixed percentages to the following pools 60% (MV) 40% (DK) while the subtraction method is being used to determine the allocation to the new zone.





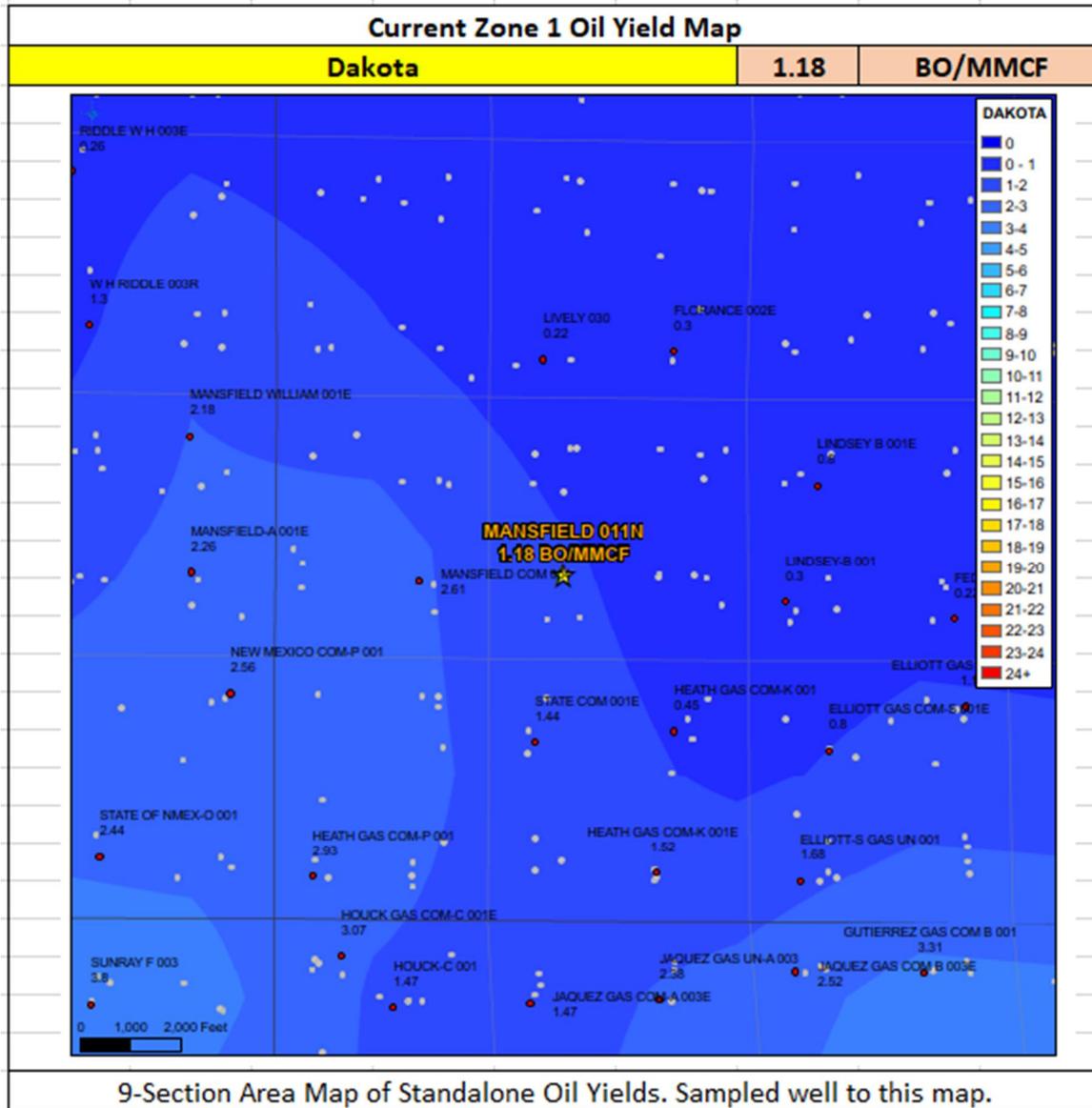
Oil Allocation:

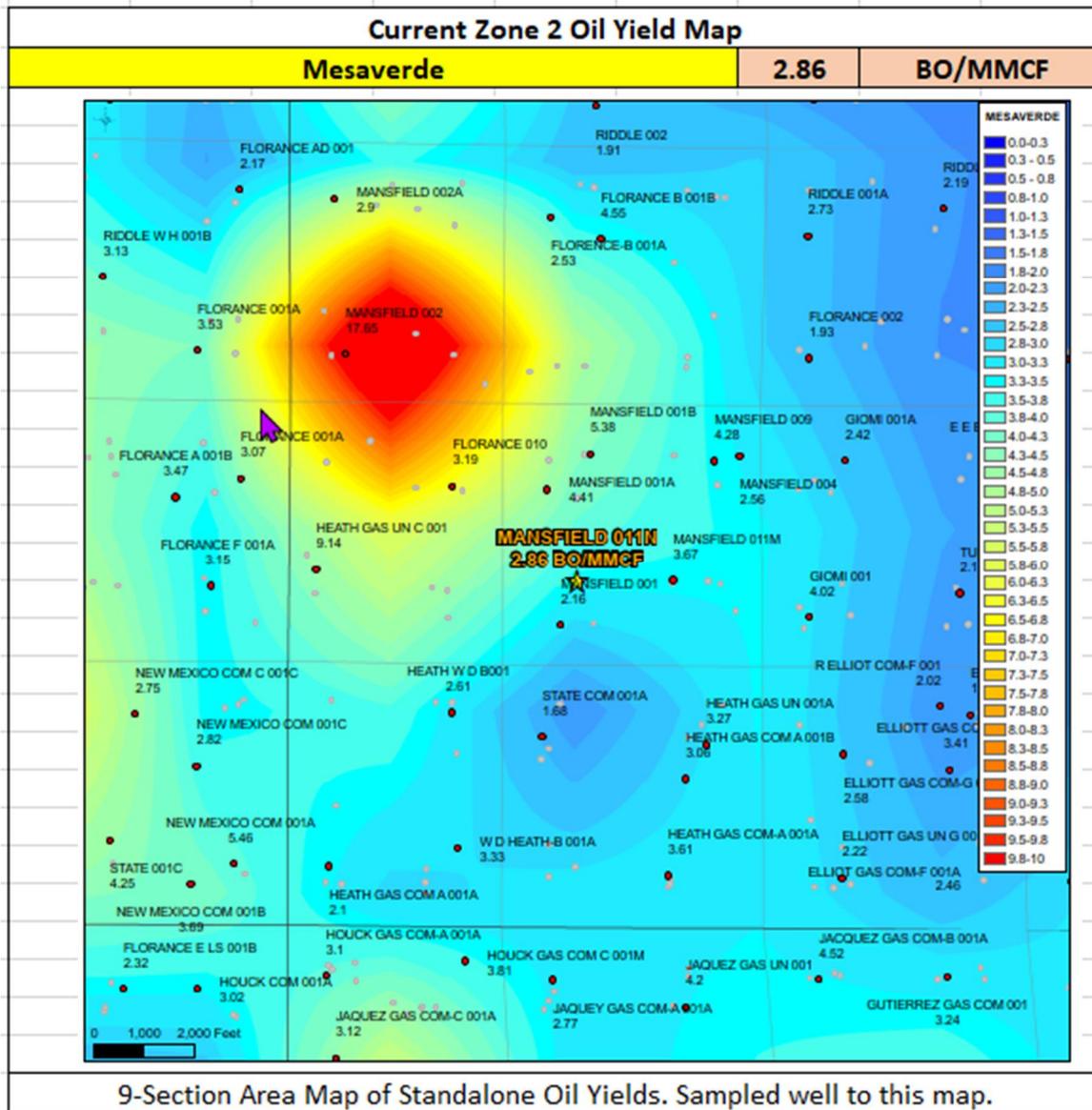
Oil production will be allocated based on average formation yields from offset wells and will be a fixed rate for 4 years.

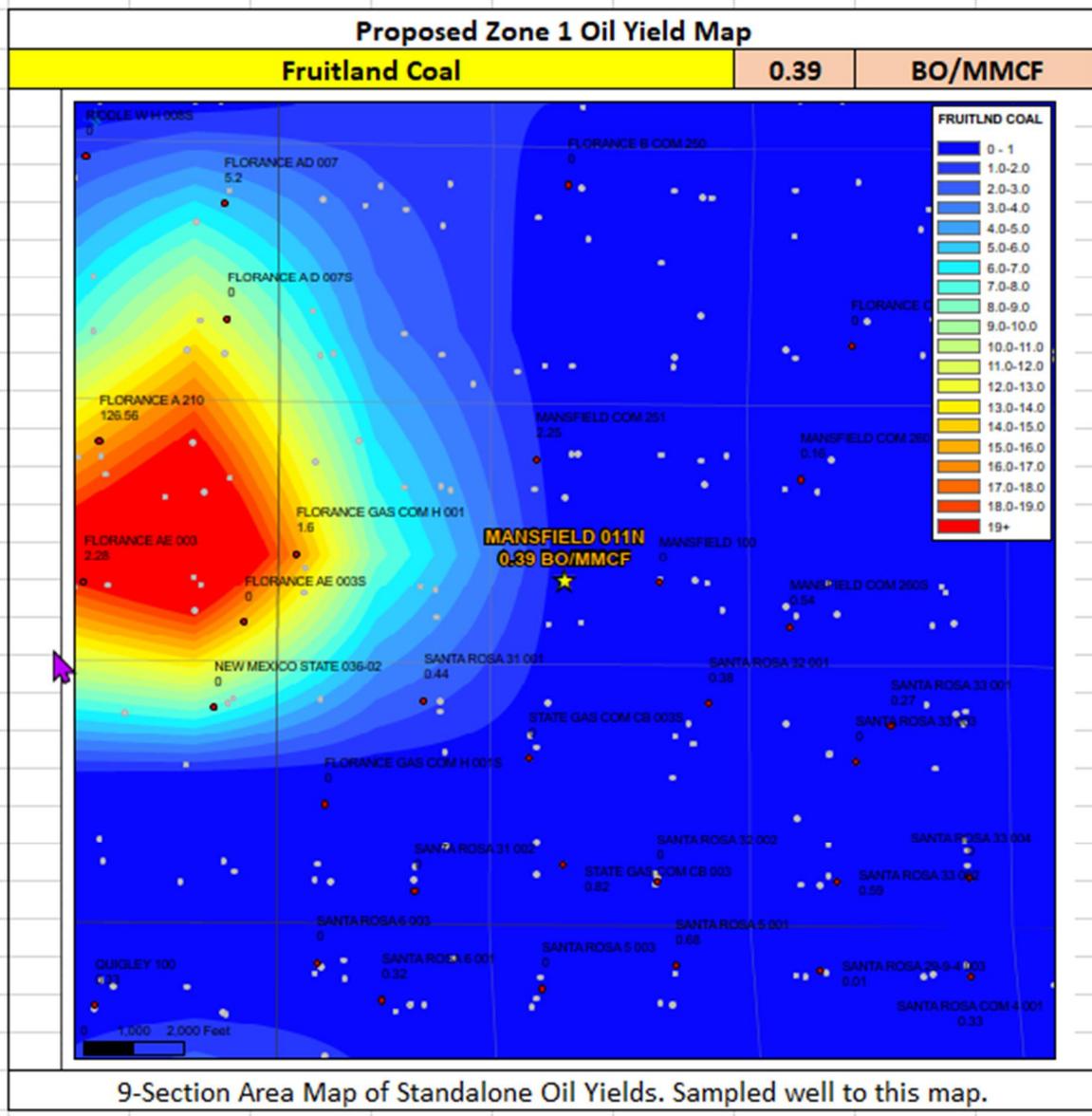
After 4 years oil will be reevaluated and adjust as needed based on average formation yields and new fixed gas allocation.

Formation	Yield (bbl/MM)	Remaining Reserves (MMcf)	% Oil Allocation
DK	1.18	196	15%
MV	2.86	356	63%
FRC	0.39	917	22%
			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 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.

Well Name	API
MANSFIELD 11N	3004534321

FRC Offset		MV Offset		DK Offset	
API	3004527134	API	3004530135	API	3004533869
Property	DUFF COM 260	Property	FLORANCE E LS 1A	Property	SUNRAY F 3E
CationBarium	8	CationBarium		CationBarium	0
CationBoron		CationBoron		CationBoron	
CationCalcium	80	CationCalcium	24.12	CationCalcium	120.6
CationIron	34.4	CationIron	63	CationIron	308.6
CationMagnesium	7.8	CationMagnesium	1.95	CationMagnesium	92.72
CationManganese	1.08	CationManganese	0.51	CationManganese	2.98
CationPhosphorus		CationPhosphorus		CationPhosphorus	
CationPotassium		CationPotassium		CationPotassium	
CationStrontium	0	CationStrontium	0.07	CationStrontium	7.17
CationSodium	1607.2	CationSodium	1451.98	CationSodium	1473.23
CationSilica		CationSilica		CationSilica	
CationZinc		CationZinc		CationZinc	
CationAluminum		CationAluminum		CationAluminum	
CationCopper		CationCopper		CationCopper	
CationLead		CationLead		CationLead	
CationLithium		CationLithium		CationLithium	
CationNickel		CationNickel		CationNickel	
CationCobalt		CationCobalt		CationCobalt	
CationChromium		CationChromium		CationChromium	
CationSilicon		CationSilicon		CationSilicon	
CationMolybdenum		CationMolybdenum		CationMolybdenum	
AnionChloride	2600	AnionChloride	1101.21	AnionChloride	3003.3
AnionCarbonate	0	AnionCarbonate	0	AnionCarbonate	0
AnionBicarbonate	183	AnionBicarbonate		AnionBicarbonate	
AnionBromide		AnionBromide		AnionBromide	
AnionFluoride		AnionFluoride		AnionFluoride	
AnionHydroxyl		AnionHydroxyl	0	AnionHydroxyl	0
AnionNitrate		AnionNitrate		AnionNitrate	
AnionPhosphate	13.2	AnionPhosphate		AnionPhosphate	
AnionSulfate	0	AnionSulfate	308	AnionSulfate	208
phField		phField	7.06	phField	5.96
phCalculated	6.6	phCalculated		phCalculated	
TempField		TempField	55	TempField	77
TempLab		TempLab		TempLab	
OtherFieldAlkalinity	48.88	OtherFieldAlkalinity	1600.82	OtherFieldAlkalinity	146.64
OtherSpecificGravity		OtherSpecificGravity	1	OtherSpecificGravity	1
OtherTDS	4428	OtherTDS	4649.03	OtherTDS	5424.44
OtherCaCO3		OtherCaCO3	68.3	OtherCaCO3	681.65
OtherConductivity		OtherConductivity		OtherConductivity	
DissolvedCO2	200	DissolvedCO2	96	DissolvedCO2	68
DissolvedO2		DissolvedO2		DissolvedO2	
DissolvedH2S	2	DissolvedH2S	1.44	DissolvedH2S	0.37
GasPressure		GasPressure		GasPressure	
GasCO2	10	GasCO2	0	GasCO2	0
GasCO2PP		GasCO2PP	0	GasCO2PP	0
GasH2S	0	GasH2S	0	GasH2S	0
GasH2SPP		GasH2SPP	0	GasH2SPP	0
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	
PitzerCaSO4_220		PitzerCaSO4_220		PitzerCaSO4_220	
PitzerSrSO4_220		PitzerSrSO4_220		PitzerSrSO4_220	
PitzerFeCO3_220		PitzerFeCO3_220		PitzerFeCO3_220	

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 variability by formation is low.

Well Name	API
MANSFIELD 11N	3004534321

FRC Offset		MV Offset		DK Offset	
AssetCode	3004527305	AssetCode	3004509457	AssetCode	3004524803
AssetName	FLORANCE COM 260	AssetName	RIDDLE 2	AssetName	RIDDLE COM 8
CO2	0.02	CO2	0.02	CO2	0.02
N2	0	N2	0	N2	0
C1	0.88	C1	0.79	C1	0.93
C2	0.07	C2	0.11	C2	0.04
C3	0.02	C3	0.05	C3	0.01
ISOC4	0	ISOC4	0.01	ISOC4	0
NC4	0	NC4	0.01	NC4	0
ISOC5	0	ISOC5	0	ISOC5	0
NC5	0	NC5	0	NC5	0
NEOC5		NEOC5		NEOC5	
C6		C6	0	C6	0
C6_PLUS	0	C6_PLUS		C6_PLUS	
C7		C7		C7	0
C8		C8		C8	0
C9		C9		C9	0
C10		C10		C10	
AR		AR		AR	
CO		CO		CO	
H2		H2		H2	
O2		O2		O2	0
H2O		H2O		H2O	
H2S	0	H2S	0	H2S	0
HE		HE		HE	
C_O_S		C_O_S		C_O_S	
CH3SH		CH3SH		CH3SH	
C2H5SH		C2H5SH		C2H5SH	
CH2S3_2CH3S		CH2S3_2CH3S		CH2S3_2CH3S	
CH2S		CH2S		CH2S	
C6HV		C6HV		C6HV	
CO2GPM	0	CO2GPM		CO2GPM	
N2GPM	0	N2GPM		N2GPM	
C1GPM	0	C1GPM		C1GPM	
C2GPM	1.78	C2GPM		C2GPM	
C3GPM	0.69	C3GPM		C3GPM	
ISOC4GPM	0.15	ISOC4GPM		ISOC4GPM	
NC4GPM	0.12	NC4GPM		NC4GPM	
ISOC5GPM	0.05	ISOC5GPM		ISOC5GPM	
NC5GPM	0.03	NC5GPM		NC5GPM	
C6_PLUSGPM	0.07	C6_PLUSGPM		C6_PLUSGPM	



February 15, 2023

Mailed Certified with Electronic Return Receipt

To: All Interest Owners

RE: Application to Downhole Commingle Production
Well: Mansfield 11N
API: 30-045-34321
Section 29, Township 30 North, Range 09 West
San Juan County, New Mexico

Ladies and Gentlemen:

Hilcorp Energy Company (“Hilcorp”), as Operator of the subject well, has filed application with the New Mexico Oil Conservation Division for approval to downhole trimmingle production from the **Basin Fruitland Coal**, a formation Hilcorp soon intends to perforate, with existing production from the **Basin Dakota** and **Blanco Mesaverde** formations. This letter and the application copy enclosed serve to provide you, an owner in one or more of the aforementioned formations, with written notice as prescribed by Subsection C of 19.15.12.11 New Mexico Administrative Code.

No action is required by you unless you wish to pursue a formal protest (see details italicized below).

If you no longer own an interest in this well or need to make changes to your address, etc., please email ownerrelations@hilcorp.com. For those without email access, please call (713) 209-2457.

Hilcorp is eager to explore this potential opportunity to enhance production. Thank you for your support.

Sincerely,

A handwritten signature in blue ink, appearing to read 'R Carlson', is written over a horizontal line.

Robert Carlson
Sr. Landman
(832) 839-4596
rcarlson@hilcorp.com

RTC:dpk
Enclosures

Protesting:

Protests must be in writing and received within twenty (20) days from the date of this letter. In your response, please include your contact information, details referenced herein and the specific concerns and/or reasoning behind your decision. You are encouraged to email me an electronic copy and, subsequently, mailing (overnight) a hard copy to my attention at the address in the footer below. Upon receipt, I will follow up by phone to discuss your concerns. Should we be unable to resolve them, a formal protest will be set for hearing with the New Mexico Oil & Conservation Division in Santa Fe, NM, wherein your attendance and testimony will be required.

92148969009997901821979916	Dani Kuzma	, OFFICE OF NATURAL RESOURCES REVENUE, LAKEWOOD ACCTG CENT ONSHORE, DENVER, CO, 80225-0627 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821979923	Dani Kuzma	, FREDERICKSBURG ROYALTY LTD, , SAN ANTONIO, TX, 78295-1481 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821979930	Dani Kuzma	, GEORGE G VAUGHT JR, , DENVER, CO, 80201-3557 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821979947	Dani Kuzma	, BHCH MINERAL LTD, , SAN ANTONIO, TX, 78296-1817 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821979954	Dani Kuzma	, FLORENCIA EXPLORATION INC, , SAN ANTONIO, TX, 78296-1817 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821979961	Dani Kuzma	, JEANNE A DAVIS TRUST, JEANNE A DAVIS TRUSTEE, TYLER, TX, 75710-1461 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821979978	Dani Kuzma	, CEJA ROYALTIES LTD, , TYLER, TX, 75710-1360 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821979985	Dani Kuzma	, TEXAS ROYALTIES, , MIDLAND, TX, 79702-3579 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821979992	Dani Kuzma	, CHEROKEE LEGACY MINERALS LTD, , ALBANY, TX, 76430 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980004	Dani Kuzma	, KENEBREW MINERALS LP, , IDALOU, TX, 79329 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980011	Dani Kuzma	, SHEREEN TAYLOR-BERGER, , SHARON, CT, 06069-1751 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980028	Dani Kuzma	, YAGER FAMILY LIVING TRUST 7-20-98, STEPHANIE YAGER BREAUULT TRUSTEE, POTTSBORO, TX, 75076 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980035	Dani Kuzma	, STUART R TAYLOR, , DRAPER, UT, 84020 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980042	Dani Kuzma	, N DEAN TAYLOR, , MOUNTAIN VIEW, CA, 94040 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980059	Dani Kuzma	, BEN HOWELL LANGFORD, , EL PASO, TX, 79912 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980066	Dani Kuzma	, CYNTHIA T COOK, , SOUTH WEBER, UT, 84405 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending

92148969009997901821980073	Dani Kuzma	, DEUS ROYALTY INVESTMENTS LLC, , TYLER, TX, 75711 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980080	Dani Kuzma	, CARA CATHLEEN HOWELL LIND, , CHANDLER, AZ, 85226 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980097	Dani Kuzma	, PICO PROPERTIES LLC, , EL PASO, TX, 79901 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980103	Dani Kuzma	, R MICHAEL RYAN, , ELEPHANT BUTTE, NM, 87935 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980110	Dani Kuzma	, TRENNA T ADAMS, , LAS VEGAS, NV, 89117 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980127	Dani Kuzma	, BARBARA LEWIS, , ALBUQUERQUE, NM, 87123 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980134	Dani Kuzma	, ILA R TAYLOR GRUVER, , MESA, AZ, 85201 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980141	Dani Kuzma	, JOSHUA HAUSER, , WESTFIELD, IN, 46074 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980158	Dani Kuzma	, ANNA CELIA HOWELL HILTON, , PENSACOLA, FL, 32501 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980165	Dani Kuzma	, DAVID A TAYLOR, , SALT LAKE CITY, UT, 84108 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980172	Dani Kuzma	, MARK L TAYLOR, , LAS VEGAS, NV, 89134 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980189	Dani Kuzma	, BRYAN R TAYLOR, , SALT LAKE CITY, UT, 84108 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980196	Dani Kuzma	, CRAIG L TAYLOR, , PHOENIX, AZ, 85083 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980202	Dani Kuzma	, LORNE F TAYLOR, , KINGMAN, AZ, 86401 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980219	Dani Kuzma	, BRADLEY CON TAYLOR, , MESA, AZ, 85203 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980226	Dani Kuzma	, SCOTT W TAYLOR, , LAS VEGAS, NV, 89138 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending

92148969009997901821980233	Dani Kuzma	, BRYCE R TAYLOR, , WEST JORDAN, UT, 84084-1797 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980240	Dani Kuzma	, ROBERT TAYLOR, , SALT LAKE CITY, UT, 84108-4126 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980257	Dani Kuzma	, REVELLE B TAYLOR, , LAS VEGAS, NV, 89117 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980264	Dani Kuzma	, VINSON ROYALTIES LP, , TYLER, TX, 75711 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980271	Dani Kuzma	, STEPHANIE Y BREault, , POTTSBORO, TX, 75076 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980288	Dani Kuzma	, PHILIP G DEMEREE, , SCOTTSDALE, AZ, 85258 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980295	Dani Kuzma	, LOUANN H FEUILLE, C/O WESTSTAR WEALTH MANAGEMENT, EL PASO, TX, 79999 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980301	Dani Kuzma	, STEVE JACOB HOUSTON, , CLYDE HILL, WA, 98004 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980318	Dani Kuzma	, ELIZABETH H LUND ROYALTY TRUST, BARBARA LUND TRUSTEE, DALLAS, TX, 75230 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980325	Dani Kuzma	, MADISON CAPITAL ENERGY INCOME FUND, III LP, MADISON, WI, 53719 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980332	Dani Kuzma	, KATHLEEN RYAN GO, , SEAL BEACH, CA, 90740 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980349	Dani Kuzma	, TERRY W STANTON, and EDGAR A STANTON JT, LOUISVILLE, KY, 40205 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980356	Dani Kuzma	, LINDA STROBEL LIFE TENANT, , POWAY, CA, 92064 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980363	Dani Kuzma	, T J TINGLEY, , POST FALLS, ID, 83854 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980370	Dani Kuzma	, WILLIAM and WENDY BERNFELD LVG TRUST, WILLIAM JOSEPH BERNFELD and, TARZANA, CA, 91356 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980387	Dani Kuzma	, ROBERT BERNFELD, , REDONDO BEACH, CA, 90277 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending

92148969009997901821980394	Dani Kuzma	, BIG LAKE FISHING LLC, , DALLAS, TX, 75252-5297 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980400	Dani Kuzma	, TERA ELIZABETH JEFFRIES, , KIRBYVILLE, MO, 65676 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980417	Dani Kuzma	, ASHTON N KOONS IRREV TR, ZIA TRUST INC TTEE, ALBUQUERQUE, NM, 87110 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980424	Dani Kuzma	, THOMAS E KOONS IRREV TR, ZIA TRUST INC TTEE, ALBUQUERQUE, NM, 87190 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980431	Dani Kuzma	, RICHARD PARKER LANGFORD, , EL PASO, TX, 79912 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980448	Dani Kuzma	, MARY J MYERS REVOCABLE TRUST, TONYA L MYERS-JORDAN TRUSTEE, THE VILLAGES, FL, 32163 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980455	Dani Kuzma	, BELLISTON FAMILY TRUST, GORDON F BELLISTON OR BARBARA Y, PHOENIX, AZ, 85050 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980462	Dani Kuzma	, STANLEY MARTIN BELLISTON, GORDON F BELLISTON P/O/A, PHOENIX, AZ, 85050 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980479	Dani Kuzma	, JAMES ARTHUR BELLISTON, , PHOENIX, AZ, 85027 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980486	Dani Kuzma	, GREGORY F BELLISTON, , GLENDALE, AZ, 85310-5126 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980493	Dani Kuzma	, LINDA T DICKINSON, , LAS VEGAS, NV, 89131 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980509	Dani Kuzma	, JAY GOTTSTEIN TRUST NOV 11 1992, J JOSEPH MORRIS TRUSTEE, LEES SUMMIT, MO, 64064-1445 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980516	Dani Kuzma	, GRAHAM L GOTTSTEIN, , CLYDE HILL, WA, 98004 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
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92148969009997901821980554	Dani Kuzma	, MANSFIELD FAMILY 2001 REV TR, DTD 10 12 01 BENJAMIN J MANSFIELD and, RENO, NV, 89503 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980561	Dani Kuzma	, MUIRFIELD RESERVES LLC, , DALLAS, TX, 75252-5297 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980578	Dani Kuzma	, CHARLENE LEWIS RASMUSSEN, , LIVINGSTON, TX, 77399-2041 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980585	Dani Kuzma	, KIRSTEN KOONS REHORN IRREV TR, ZIA TRUST INC TTEE, ALBUQUERQUE, NM, 87190 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980592	Dani Kuzma	, MABELLE H SOWERS, ROYALTY TRUST, COLLEGE STATION, TX, 77845-8983 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980608	Dani Kuzma	, SCOTT BRIGHTBILL, , SAN DIEGO, CA, 92128 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980615	Dani Kuzma	, LISA DANIELLE KUHN, , POWAY, CA, 92064 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980622	Dani Kuzma	, STEPHEN BRIGHTBILL, , MERIDIAN, ID, 83646 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980639	Dani Kuzma	, EDWIN R DEGENHARDT, and DAWN C DEGENHARDT, MADISON, WI, 53719 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980646	Dani Kuzma	, METINA INVESTMENTS LLC, , AUSTIN, TX, 78746 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980653	Dani Kuzma	, JOSEPH C JASTRZEMBSKI, , MINOT, ND, 58703-2426 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980660	Dani Kuzma	, RESERVATION LAKE RESOURCES LLC, , EL PASO, TX, 79912 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980677	Dani Kuzma	, TRIANGLE H ENTERPRISES LLC, , MESILLA, NM, 88046 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980684	Dani Kuzma	, MCCULLISS RESOURCES CO INC, , LITTLETON, CO, 80161-3248 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980691	Dani Kuzma	, LYNN HYDER REV LVG TRUST DTD 4/1/97, LYNN HYDER TRUSTEE, SAN DIEGO, CA, 92130 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
92148969009997901821980707	Dani Kuzma	, CHARLES C STEWART, , CHICAGO, IL, 60640 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending

92148969009997901821980714	Dani Kuzma	, LOUISE YAO, , WILMETTE, IL, 60091 Code: MANSFIELD 11N DHC	2/15/2023	Signature Pending
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Well Name: MANSFIELD	Well Location: T30N / R9W / SEC 29 / NESW / 36.780261 / -107.807377	County or Parish/State: SAN JUAN / NM
Well Number: 11N	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF077833A	Unit or CA Name: MANSFIELD, MANSFIELD - W/2 MV	Unit or CA Number: NMNM73156, NMNM74066
US Well Number: 3004534321	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2712943

Type of Submission: Notice of Intent

Type of Action: Recompletion

Date Sundry Submitted: 01/27/2023

Time Sundry Submitted: 12:22

Date proposed operation will begin: 02/07/2023

Procedure Description: Hilcorp Energy Company requests permission to recomplete the subject well in the Fruitland Coal and downhole trimmingle with the existing MV/DK. Please see the attached procedure, current and proposed wellbore diagram, plat and natural gas management plan. A closed loop system will be used. A pre-reclamation site visit was held on 1/26/2023 with Roger Herrera/BLM. The reclamation plan is attached.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Mansfield_11N_RC_NOI_20230127122242.pdf

Well Name: MANSFIELD

Well Location: T30N / R9W / SEC 29 /
NESW / 36.780261 / -107.807377

County or Parish/State: SAN
JUAN / NM

Well Number: 11N

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMSF077833A

Unit or CA Name: MANSFIELD,
MANSFIELD - W/2 MV

Unit or CA Number:
NMNM73156, NMNM74066

US Well Number: 3004534321

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: AMANDA WALKER

Signed on: JAN 27, 2023 12:22 PM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Technician

Street Address: 1111 TRAVIS ST.

City: HOUSTON

State: TX

Phone: (346) 237-2177

Email address: mwalker@hilcorp.com

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 01/30/2023

Signature: Kenneth Rennick



HILCORP ENERGY COMPANY
MANSFIELD 11N
FRUITLAND COAL RECOMPLETE SUNDRY
API 3004534321

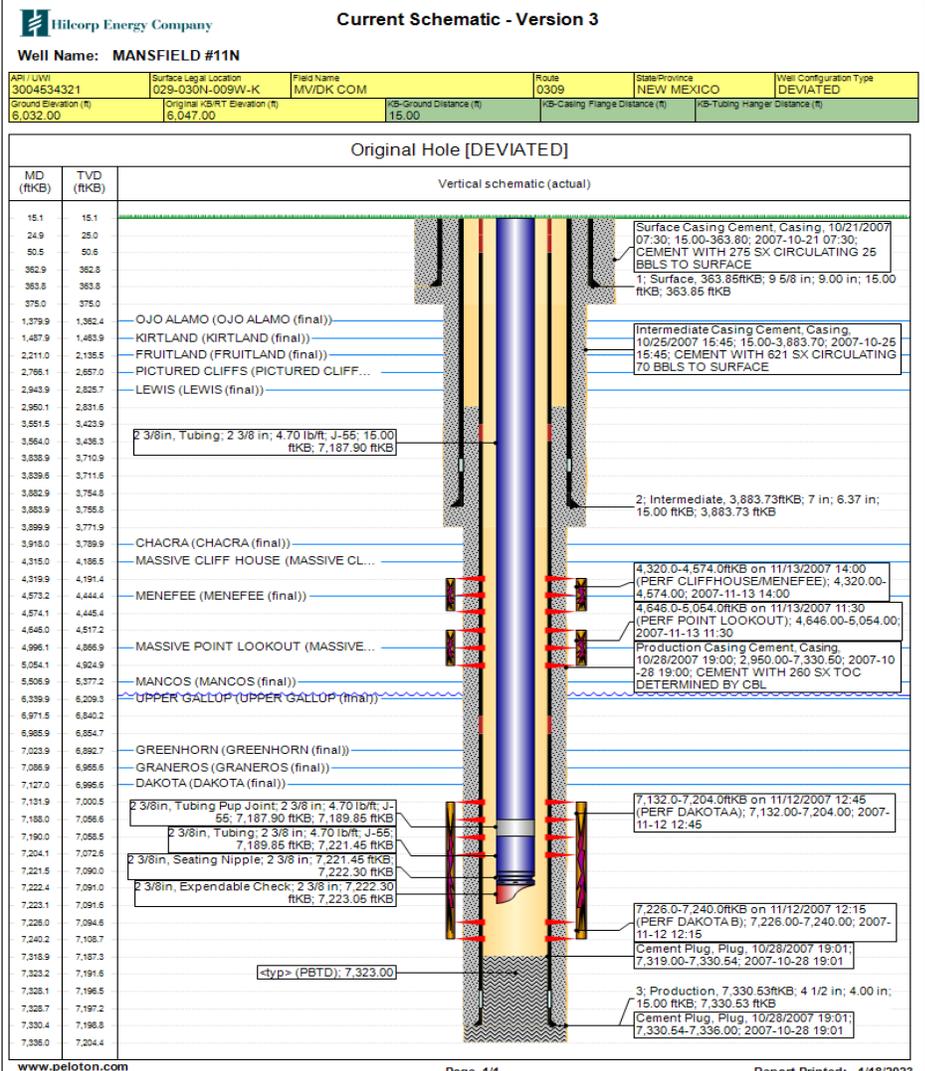
JOB PROCEDURES

1. MIRU workover rig and associated equipment; NU and test BOP.
2. TOOH with tubing.
3. Set a plug within 50' of the top **Mesaverde** perforation (**4,320'**) for zonal isolation.
4. RU WL and perforate squeeze holes at +/- **2,945'**, above current TOC on CBL. Circulate approximately 91 sacks of Type III cement into 4.5" x 7" casing annulus to achieve 150' of cement coverage above Fruitland Coal top. WOC.
5. TIH with bit and drill out cement. TOOH.
5. **Perform MIT on casing with NMOCD witness** (notify NMOCD 24+ hours before test) and submit results to regulatory group.
6. **If frac'ing down casing:** pressure test casing to frac pressure.
7. RU WL. Perforate the **Fruitland Coal. Top perforation @ 2211'**, **bottom perforation @ 2766'**.
8. **If frac'ing down frac string:** RIH w/ frac string and packer. Set packer within 50' of top perforation.
9. ND BOP, NU frac stack. Pressure test frac stack to frac pressure. Pressure test frac string (if applicable) to frac pressure. RDMO.
10. RU stimulation crew. Frac the **Fruitland Coal** in one or more stages. Set plugs in between stages, if necessary.
11. Flowback the well.
12. MIRU workover rig and associated equipment; NU and test BOP.
13. **If frac was performed down frac string:** POOH w/ frac string and packer.
14. TIH with mill and clean out to isolation plug.
15. Pending C107A approval, mill out isolation plug. Cleanout to PBTD. TOOH with cleanout assembly.
16. TIH and land production tubing. Return well to production.



HILCORP ENERGY COMPANY
MANSFIELD 11N
FRUITLAND COAL RECOMPLETE SUNDRY

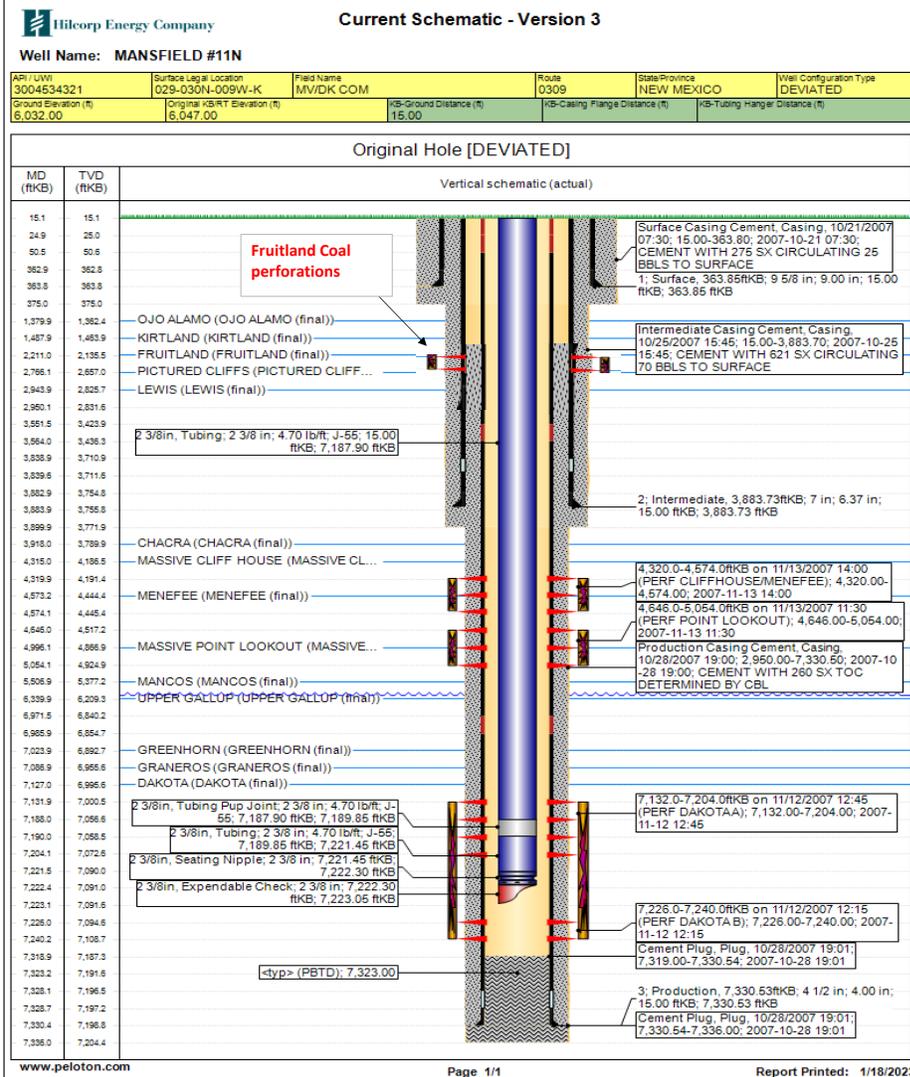
MANSFIELD 11N - CURRENT WELLBORE SCHEMATIC





HILCORP ENERGY COMPANY MANSFIELD 11N FRUITLAND COAL RECOMPLETE SUNDRY

MANSFIELD 11N - PROPOSED WELLBORE SCHEMATIC



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

August 1, 2011

Permit 332824

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-045-34321	2. Pool Code 71629	3. Pool Name BASIN FRUITLAND COAL (GAS)
4. Property Code 318617	5. Property Name MANSFIELD	6. Well No. 011N
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6028

10. Surface Location

UL - Lot K	Section 29	Township 30N	Range 09W	Lot Idn	Feet From 1685	N/S Line S	Feet From 1505	E/W Line W	County SAN JUAN
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11. Bottom Hole Location If Different From Surface

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

	<p>OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>E-Signed By: <i>[Signature]</i> Title: Operations Regulatory Tech Sr. Date: 1/19/2023</p>
	<p>SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Surveyed By: Jason Edwards Date of Survey: 11/29/2006 Certificate Number: 15269</p>

State of New Mexico
 Energy, Minerals and Natural Resources Department

Submit Electronically
 Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description Effective May 25, 2021

I. Operator: Hilcorp Energy Company **OGRID:** 372171 **Date:** 1/27/2023

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Mansfield 11N	30-045-34321	K-29-30N-09W	1685 FSL 1505 FWL	0	150	1

IV. Central Delivery Point Name: Chaco Gas 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>Mansfield 11N</u>	<u>30-045-34321</u>					<u>2023</u>

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

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

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

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system will will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator does does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

Attach Operator’s plan to manage production in response to the increased line pressure.

XIV. Confidentiality: Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

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

Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: 
Printed Name: Amanda Walker
Title: Operation Regulatory Tech Sr.
E-mail Address: mwalker@hilcorp.com
Date: 1/27/2023
Phone: 346-237-2177
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
 - o 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
 - o This gas capture plan isn't for a well being drilled.
3. Subsection (C) Venting and flaring during completion or recompletion
 - o 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.
 - o 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
 - o 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.
 - o 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.
 - o 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
 - o All tanks and separation equipment are designed for maximum throughput and pressure to minimize waste.
 - o 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.
 - o 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.
 - o When measurement isn't practicable, estimation of vented and flared natural gas will be completed as noted in 19.15.27.8 (F) 5-6.

VIII. Best Management Practices:

1. Operator has adequate storage and takeaway capacity for wells it chooses to recomplete as the flowlines at the sites are already in place and tied into a gathering system.
2. Operator will flare rather than vent vessel blowdown gas when technically feasible during active and/or planned maintenance to equipment on-site.
3. Operator combusts natural gas that would otherwise be vented or flared, when technically feasible.
4. Operator will shut in wells in the event of a takeaway disruption, emergency situation, or other operations where venting or flaring may occur due to equipment failures.

Hilcorp Energy
Interim Reclamation Plan
Mansfield #11N
API: 30-045-34321
K – Sec.29-T030N-R009W
Lat: 36.780253, Long: -107.80669
Footage: 1685' FSL & 1505' FWL
San Juan County, NM

1. PRE- INTERIM RECLAMATION SITE INSPECTION

- 1.1) A pre-interim reclamation site inspection was completed by Roger Herrera with the BLM and Chad Perkins construction Foreman for Hilcorp Energy on January 26, 2022.
- 1.2) Location surface will be brush hogged or mulched and bladed as required within original disturbance to acquire additional working surface for well recompletion activities.

2. LOCATION INTERIM RECLAMATION PROCEDURE

- 2.1) Interim reclamation work will only be completed after well recompletion.
- 2.2) The interim reclamation work will be completed during spring or fall months.
- 2.3) Location tear drop will be re-defined as applicable for the interim reclamation.
- 2.4) All diversion ditches and silt traps will be cleaned and re-established as applicable for the interim reclamation.
- 2.5) All disturbed areas will be seeded, any disturbed areas that are compacted will be ripped before seeding.
- 2.6) All trash and debris will be removed within 50' buffer outside of the location disturbance during reclamation.

3. ACCESS ROAD RECLAMATION PROCEDURE:

- 3.1) No lease access road issues were identified at the time of onsite.
- 3.2) Lease access road will be maintained as applicable before, during, and after, recompletion activities.

4. SEEDING PROCEDURE

- 4.1) A Pinion/Juniper seed mix will be used for all reclaimed and disturbed areas of the location.
- 4.2) Drill seeding will be done where applicable and all other disturbed areas will be broadcast seeded and harrowed, broadcast seeding will be applied at a double the rate of seed.
- 4.3) Timing of the seeding will take place when the ground is not frozen or saturated.

5. WEED MANAGEMENT

- 5.1) No action is required at this time for weed management, no noxious weeds were identified during the onsite.

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

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

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

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

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

CONDITIONS

Action 180943

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 180943
	Action Type: [C-103] NOI Recompletion (C-103E)

CONDITIONS

Created By	Condition	Condition Date
kpickford	DHC required	2/1/2023
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	2/1/2023

From: [McClure, Dean, EMNRD](#) on behalf of [Engineer, OCD, EMNRD](#)
To: [Mandi Walker](#); [Cheryl Weston](#)
Cc: [McClure, Dean, EMNRD](#); [Wrinkle, Justin, EMNRD](#); [Powell, Brandon, EMNRD](#); [Paradis, Kyle O](#)
Subject: Approved Administrative Order DHC-5291
Date: Thursday, June 15, 2023 3:08:10 PM
Attachments: [DHC5291 Order.pdf](#)

NMOCD has issued Administrative Order DHC-5291 which authorizes Hilcorp Energy Company (372171) to downhole commingle production within the following well:

Well Name: Mansfield #11N

Well API: 30-045-34321

The administrative order is attached to this email and can also be found online at OCD Imaging.

Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.

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

From: [Lea Peters](#)
To: [McClure, Dean, EMNRD](#); [Mandi Walker](#)
Cc: [Powell, Brandon, EMNRD](#); [Wrinkle, Justin, EMNRD](#); [Cheryl Weston](#); [JP Knox](#)
Subject: RE: [EXTERNAL] Action ID: 193963; DHC-5291
Date: Friday, June 9, 2023 9:40:31 AM

Dean,

I believe each of the reservoirs to be continuous and in a similar state of depletion at the Mansfield #11N and at each of the wells from which the pressures are being derived.

Thanks,

Lea Peters | Reservoir Engineer, SJN | Hilcorp Energy

O: 346-237-2071 | lpeters@hilcorp.com

1111 Travis St. | Houston, TX | 77002

From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Sent: Friday, June 9, 2023 9:36 AM
To: Mandi Walker <mwalker@hilcorp.com>; Lea Peters <lpeters@hilcorp.com>
Cc: Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>; Wrinkle, Justin, EMNRD <Justin.Wrinkle@emnrd.nm.gov>; Cheryl Weston <cweston@hilcorp.com>
Subject: RE: [EXTERNAL] Action ID: 193963; DHC-5291

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Lea,

Please confirm that you believe each of the reservoirs to be continuous between the well on which the test was conducted and the Mansfield #11N.

Please confirm that you believe each of the reservoirs to be in a similar state of depletion at the Mansfield #11N and at each of the wells from which pressure is being derived for that reservoir.

For some additional context, these questions are being prompted due to the distance between the wells, and more specifically between the Atlantic D Com E #6E (30-045-33808) and the Mansfield #11N.

Additionally, please note that in some instances I may be interested in the ppg or SG used to calculate the hydrostatic pressure from each phase and potentially ask about build up test results or need pressures measured at depth, but due to the magnitude of the pressure being relatively low and pending your responses to my above questions, I do not currently believe that will be necessary here.

Dean McClure
Petroleum Engineer, Oil Conservation Division

New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

From: Mandi Walker <mwalker@hilcorp.com>
Sent: Friday, June 9, 2023 7:25 AM
To: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Cc: Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>; Wrinkle, Justin, EMNRD <Justin.Wrinkle@emnrd.nm.gov>; Cheryl Weston <cweston@hilcorp.com>; Lea Peters <lpeters@hilcorp.com>; Mandi Walker <mwalker@hilcorp.com>
Subject: FW: [EXTERNAL] Action ID: 193963; DHC-5291

Good morning Dean,

Please see the note below from Lea. Please let us know if you have any questions.

Thank you,
Mandi

From: Lea Peters <lpeters@hilcorp.com>
Sent: Friday, June 9, 2023 8:12 AM
To: Mandi Walker <mwalker@hilcorp.com>
Cc: JP Knox <jknox@hilcorp.com>
Subject: RE: [EXTERNAL] Action ID: 193963; DHC-5291

Mandi – See my response below.

—

Dean,

Shut in pressures were calculated for 3 operated offset standalone wells in each of the 3 zones being commingled in the Mansfield 11N via the following process:

1. Wells were shut in for 24 hours
2. Echometer was used to obtain a fluid level
3. Shut in BHP was calculated for the proposed commingled completion

List of wells used to calculate BHPs for the Mansfield 11N Project:

3004533808	Atlantic D Com E 6E	DK
3004533551	Quigley 100	FRC
3004521727	Pierce A 1A	MV

Thanks,
Lea Peters | Reservoir Engineer, SJN | Hilcorp Energy
O: 346-237-2071 | lpeters@hilcorp.com
1111 Travis St. | Houston, TX | 77002

From: Mandi Walker <mwalker@hilcorp.com>
Sent: Thursday, June 8, 2023 4:44 PM
To: Lea Peters <lpeters@hilcorp.com>; JP Knox <jknox@hilcorp.com>
Subject: Fwd: [EXTERNAL] Action ID: 193963; DHC-5291

Can you please provide me the information listed below?

Get [Outlook for iOS](#)

From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Sent: Thursday, June 8, 2023 4:26:08 PM
To: Mandi Walker <mwalker@hilcorp.com>
Cc: Cheryl Weston <cweston@hilcorp.com>
Subject: [EXTERNAL] Action ID: 193963; DHC-5291

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To whom it may concern (c/o Mandi Walker for Hilcorp Energy Company),

The Division is reviewing the following application:

Action ID	193963
Admin No.	DHC-5291
Applicant	Hilcorp Energy Company
Title	Mansfield 11N
Sub. Date	3/7/2023

Please provide the following additional supplemental documents:

-

Please provide additional information regarding the following:

- Bottomhole Pressures are provided on the Form C-107A for each pool as required. Reference is made in the application that the bottomhole pressures are derived from the shut-in bottomhole pressures of offset standalone wells. Please provide additional information regarding this process. This could consist of a simple list of which well(s) are being utilized for each pool, or perhaps a pressure map similar in format to the oil yield maps provided. If a pressure map is provided, then ideally the wells which have a measured pressure rather than a calculated pressure should be denoted somehow. The precise method in which the information provided is in Hilcorp’s discretion provided the Division is able to determine from where the measured pressures were derived.

Additional notes:

-

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

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

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

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

**APPLICATION FOR DOWNHOLE COMMINGLING
SUBMITTED BY HILCORP ENERGY COMPANY**

ORDER NO. DHC-5291

ORDER

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

FINDINGS OF FACT

1. Hilcorp Energy Company (“Applicant”) submitted a complete application (“Application”) to downhole commingle the pools described in Exhibit A (“the Pools”) within the well bore of the well identified in Exhibit A (“the Well”).
2. Applicant proposed a method to allocate the oil and gas production from the Well to each of the Pools that is satisfactory to the OCD and protective of correlative rights.
3. Applicant has certified that the proposed commingling of the Pools shall not result in shut-in or flowing well bore pressure in excess of the commingled pool’s fracture parting pressure.
4. Applicant has certified that all produced fluids from all the Pools are compatible with each other.
5. Applicant has certified that downhole commingling the Pools will not decrease the value of the oil and gas production.
6. To the extent that ownership is diverse, Applicant identified all owners of interest in the Pools, provided evidence a copy of the Application was given to each person, and those persons either submitted a written waiver or did not file an objection to the Application.
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. To the extent that ownership is diverse, Applicant identified all owners of interest in the Pools and provided evidence the application was given to those persons in accordance with 19.15.12.11(C)(1)(b) NMAC.
13. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

ORDER

1. Applicant is authorized to downhole commingle the Pools described in Exhibit A within the well bore of the well identified in Exhibit A.
2. This Order supersedes Order DHC-2755.
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. twenty-two percent (22%) shall be allocated to the BASIN FRUITLAND COAL (GAS) pool (pool ID: 71629);
 - b. sixty-three percent (63%) shall be allocated to the BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319); and
 - c. fifteen percent (15%) 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 BASIN FRUITLAND COAL (GAS) pool (pool ID: 71629).

The current pool(s) are:

- a. the BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319); and
- b. the BASIN DAKOTA (PRORATED GAS) pool (pool ID: 71599).

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

- a. sixty percent (60%) shall be allocated to the BLANCO-MESAVERDE (PRORATED GAS) pool (pool ID: 72319); and
- b. forty percent (40%) shall be allocated to the BASIN DAKOTA (PRORATED GAS) pool (pool ID: 71599).

Applicant shall calculate the oil and gas production average during the fourth year after the commencement of commingling, which shall be used to establish a fixed percentage of the total oil and gas production that shall be allocated to each of the Pools ("fixed percentage

allocation plan”). No later than ninety (90) days after the fourth year, Applicant shall submit a Form C-103 to the OCD Engineering Bureau that includes the fixed percentage allocation plan and all data used to determine it. If Applicant fails to do so, this Order shall terminate on the following day. If OCD denies the fixed percentage allocation plan, this Order shall terminate on the date of such action. If OCD approves the percentage allocation plan with or without modifications, then the approved percentage allocation plan shall be used to determine oil and gas allocation starting on the date of such action until the Well is plugged and abandoned.

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

**STATE OF NEW MEXICO
OIL CONSERVATION DIVISION**



**DYLAN M. FUGE
DIRECTOR**

DATE: 6/15/2023

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: **DHC-5291**

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

Well Name: **Mansfield #11N**

Well API: **30-045-34321**

Upper Zone	Pool Name: BASIN FRUITLAND COAL (GAS)	Current:	New: X
	Pool ID: 71629	Oil: 22%	Gas:
	Allocation:	Top: 2,211	Bottom: 2,766
	Interval: Perforations		

Intermediate Zone	Pool Name: BLANCO-MESAVERDE (PRORATED GAS)	Current: X	New:
	Pool ID: 72319	Oil: 63%	Gas: 60%
	Allocation:	Top: 4,320	Bottom: 5,054
	Interval: Perforations		
Bottom of Interval within 150% of Upper Zone's Top of Interval: NO			

Lower Zone	Pool Name: BASIN DAKOTA (PRORATED GAS)	Current: X	New:
	Pool ID: 71599	Oil: 15%	Gas: 40%
	Allocation:	Top: 7,132	Bottom: 7,240
	Interval: Perforations		
Bottom of Interval within 150% of Upper Zone's Top of Interval: NO			

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

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

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

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

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

CONDITIONS

Action 193963

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 193963
	Action Type: [C-107] Down Hole Commingle (C-107A)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.	6/15/2023