



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010
Phone (405) 228-4800

March 12th, 2025

Dean McClure
Petroleum Specialist
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive Santa Fe, New Mexico 87505
(505) 476-3471

Re: Central Tank Battery: THISTLE UNIT 33 CTB 1

Sec.-T-R: 33-23S-33E

Wells: Multiple Thistle Unit Wells - See attached

Agreements: Thistle Unit: NMNM088526X, Approved Wolfcamp PA: NMNM88526B, Approved Bone Spring PA: NMNM88526C

Lease NMNM94186, V027971

Pool: [59900] TRIPLE X;BONE SPRING, [96689] BRINNINSTOOL;WOLFCAMP, WEST

County: Lea Co., New Mexico

Dear Mr. McClure:

Please find attached the commingle application for the Central Tank Battery of the aforementioned wells. This application is necessary due to multiple pools and multiple Participating Agreements and Leases.

The working interest, royalty interest and overriding royalty interest owners are not identical and have been notified via certified mail and public notice.

A copy of the submitted Bureau of Land Management application is attached.

Subsequently drilled wells that produce from the subject pools within the project areas approved by this order may be added to this commingling authority by submittal of a Sundry Notice to the Engineering Bureau in Santa Fe.

Should you have any questions or need further assistance, please do not hesitate to contact me at (405) 228-8429.

Sincerely,

A handwritten signature in blue ink that reads "Rebecca Deal". The signature is fluid and cursive, with the first name "Rebecca" and last name "Deal" clearly distinguishable.

Rebecca Deal
Regulatory Compliance Professional

Enclosures

Revised March 23, 2017

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: Devon Energy Production Co., L.P. **OGRID Number:** 6137
Well Name: Thistle Unit Wells - Multiple - See Attached **API:** Multiple - See Attached
Pool: BRINNINSTOOL;WOLFCAMP, WEST & TRIPLE X;BONE SPRING **Pool Code:** 96689 & 59900

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

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC ☐ CTB ☒ PLC ☐ PC ☐ OLS ☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

2) NOTIFICATION REQUIRED TO: Check those which apply.

- A. ☐ Offset operators or lease holders
 B. ☒ Royalty, overriding royalty owners, revenue owners
 C. ☐ Application requires published notice
 D. ☐ Notification and/or concurrent approval by SLO
 E. ☒ Notification and/or concurrent approval by BLM
 F. ☐ Surface owner
 G. ☐ For all of the above, proof of notification or publication is attached, and/or,
 H. ☐ No notice required

FOR OCD ONLY

- ☐ Notice Complete
☐ Application
 Content
 Complete

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

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

Rebecca Deal

Print or Type Name

Rebecca Deal

Signature

03/12/2025

Date

405-228-8429

Phone Number

rebecca.deal@dvn.com

e-mail Address

District I
1625 N. French Drive, Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr, Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Form C-107-B
Revised August 1, 2011

Submit the original
application to the Santa Fe
office with one copy to the
appropriate District Office.

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: Devon Energy Production Co., LP
OPERATOR ADDRESS: 333 W Sheridan Avenue, Oklahoma City, OK 73102
APPLICATION TYPE:

☐ Pool Commingling ☐ Lease Commingling ☒ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☐ Fee ☐ State ☒ Federal

Is this an Amendment to existing Order? ☐ Yes ☒ No If "Yes", please include the appropriate Order No. _____
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling
☒ Yes ☐ No

(A) POOL COMMINGLING

Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes
[96689] BRINNINSTOOL-WOLFCAMP, WEST	See Attached				
[59900] TRIPLE X-BONE SPRING	See Attached				

- (2) Are any wells producing at top allowables? ☐ Yes ☒ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No.
(4) Measurement type: ☒ Metering ☒ Other (Specify)
(5) Will commingling decrease the value of production? ☐ Yes ☒ No If "yes", describe why commingling should be approved

(B) LEASE COMMINGLING

Please attach sheets with the following information

- (1) Pool Name and Code.
(2) Is all production from same source of supply? ☐ Yes ☐ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No
(4) Measurement type: ☐ Metering ☐ Other (Specify)

(C) POOL and LEASE COMMINGLING

Please attach sheets with the following information

- (1) Complete Sections A and E.

(D) OFF-LEASE STORAGE and MEASUREMENT

Please attached sheets with the following information

- (1) Is all production from same source of supply? ☐ Yes ☐ No
(2) Include proof of notice to all interest owners.

(E) ADDITIONAL INFORMATION (for all application types)

Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location.
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.
(3) Lease Names, Lease and Well Numbers, and API Numbers.

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

SIGNATURE: Rebecca Deal TITLE: Regulatory Analyst DATE: 03/12/2025
TYPE OR PRINT NAME Rebecca Deal TELEPHONE NO.: 405-228-8429
E-MAIL ADDRESS: Rebecca.deal@dmn.com

APPLICATION FOR COMMINGLING AT CENTRAL TANK BATTERY

Per 43 CFR 3173.14 (a)(1)(i-iv) - (iii) Federal unit PA or CA where each unit PA or CA proposed for commingling has the same proportion of Federal interest, and which interest is subject to the same fixed royalty rate and revenue distribution.

Proposal for THISTLE UNIT 33 CTB 1

Devon Energy Production Company, LP is requesting approval for a Pool/Lease Commingle for the following wells:

Thistle Unit – NMNM088526X. Approved Wolfcamp PA: NMNM88526B			
Well Name	API	Location	Pool
THISTLE UNIT 186H	30-025-52076	M-33-23S-33E - 20 FNL & 480 FWL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 153H	30-025-43589	M-33-23S-33E - 340 FSL & 1200 FWL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 155H	30-025-43658	O-33-23S-33E - 150 FSL & 1889 FEL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 187H	30-025-53253	N-33-23S-33E - 341 FSL & 1329 FWL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 188H	30-025-53254	N-33-23S-33E - 342 FSL & 1389 FWL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 189H	30-025-53255	N-33-23S-33E - 342 FSL & 1419 FWL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 190H	30-025-53256	O-33-23S-33E - 150 FSL & 1761 FEL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 191H	30-025-53257	O-33-23S-33E - 150 FSL & 1731 FEL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
Thistle Unit – NMNM088526X. Approved Bone Spring PA: NMNM88526C			
Well Name	API	Location	Pool
THISTLE UNIT 7H	30-025-43432	P-33-23S-33E - 124 FSL & 883 FEL	[59900] TRIPLE X;BONE SPRING
THISTLE UNIT 152H	30-025-43588	M-33-23S-33E 340 FSL & 1230 FWL	[59900] TRIPLE X;BONE SPRING
THISTLE UNIT 156H	30-025-43599	P-33-23S-33E - 124 FSL & 933 FEL	[59900] TRIPLE X;BONE SPRING
THISTLE UNIT 157H	30-025-43728	M-33-23S-33E - 340 FSL & 1280 FWL	[59900] TRIPLE X;BONE SPRING
THISTLE UNIT 159H	30-025-43659	O-33-23S-33E - 150 FSL & 1839 FEL	[59900] TRIPLE X;BONE SPRING

Attached is the approved Federal PA allocation method.

Participating Agreement – NMNM088526B - Wolfcamp Formation – 3520acs, covering Township 23 South - Range 33 East, All of Section 21, 22, 27, 28, 33, 34 & E/2 Section 21. See attached Allocation Method spreadsheet for lease breakdown.

Participating Agreement - NMNM088526C – Bone Spring Formation – 3520acs, covering Township 23 South - Range 33 East, All of Section 21, 22, 27, 28, 33, 34 & E/2 Section 21. See attached Allocation Method spreadsheet for lease breakdown.

Oil & Gas metering:

The Thistle Unit 33 CTB 1 central tank battery is in SW/4 SE/4 & SE/4 SE/4, S33, T23S, R33E in Lea County, New Mexico.

Each well flows to its own 3-Phase Separator where the full well stream is separated into independent gas, oil, and water streams. The THISTLE UNIT 190H, THISTLE UNIT 191H, THISTLE UNIT 187H, THISTLE UNIT 188H, THISTLE UNIT 189H flow from their wellhead to temporary air cooler(s) to cool the full well stream, then flow to their own 3-Phase.

3-Phase gas flows through an independent and designated orifice meter for rate allocation. The gas then flows into a manifold where it is combined with gas from other 3-Phases. The combined stream

flows into the 2-Phase Separator(s) for further conditioning. The conditioned gas stream flows through an orifice meter(s) for Federal Measurement Point/Sales/Royalty Payment.

3-Phase oil flows through an independent and designated Coriolis meter for rate allocation. The oil then flows into a manifold where it is combined with oil from other 3-Phases. The combined stream flows into the Heater Treater(s) and then ULPS(s) for further conditioning and then into one of the oil tanks for storage. The stored oil is pumped into a LACT unit for Federal Measurement Point/Sales/Royalty Payment.

Flash gas from oil conditioning is recovered using compression (VRU). The recovered gas flows through a designated orifice meter for rate allocation.

3-Phase water flows through an independent and designated magnetic meter for rate allocation. The water then flows into a manifold where it is combined with water from other 3-Phases. The combined stream flows into the Gun Barrel(s) for further conditioning and then into one of the water tanks for storage.

The central tank battery has three oil tanks and three water tanks that all wells utilize. All wells have one common gas delivery point(s) on location and one common oil delivery point(s) (LACT) on or directly adjacent to location.

Secondary recovery will utilize recycled or buyback gas for gas lift. The gas is compressed and flows through and individual orifice meter to each wellhead.

Well Name	Individual Meters		
	Gas Allocation	Oil Allocation	Water Allocation
THISTLE UNIT 155H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 159H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 7H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 156H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 152H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 153H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 157H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 186H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 190H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 191H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 187H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 188H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 189H	DVN / *	DVN / *	DVN / *
Common Meters			
VRU Allocation	DVN / *		
Gas FMP	DVN/TARGA / *		
Oil FMP	ENTERPRISE / *		

Meter Owner / Serial Number:

* Meter serial numbers to be provided after construction of facility.

The total of all oil sales meters will be allocated to each well based on the oil allocation meter located downstream of each well's 3-phase separator. Devon will continue to operate and maintain the Coriolis Meter per BLM applicable regulations, notwithstanding further guidance from the local BLM in regards to proving the Coriolis Meter to meet applicable BLM standards. The total of all gas sales meters will be allocated to each well based on the gas allocation meter located downstream of each well's 3-phase separator and the VRU allocation meter. The VRU allocation meter volumes will be allocated to each well based on the oil allocation meter of each well. The BLM and OCD will be notified of any future changes to the facilities.

Process and Flow Descriptions:

The flow of produced fluids is described above and shown in detail on the enclosed facility diagram, along with a description of each vessel and map which shows the lease boundaries, location of wells, facility, and gas sales meter.

The proposed commingling will maximize the ultimate recovery of oil and/or gas from the federal leases and will reduce environmental impacts by minimizing surface disturbance and emissions. The proposed commingling will reduce operating expenses, as well as, not adversely affect federal royalty income, production accountability, or the distribution of royalty.

Devon Energy Production Company, LP understands the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.

The proposed commingling is appropriate based on the BLM's guidance in IM NMPO 2013-02 & 43 CFR 3173.14. NMOCD Notice Variance Requested: Devon Energy Production Company, LP request approval to add new leases and pools and/or new wells producing from the authorized leases and pools. Devon Energy Production Company, LP request approval to only notice the interest owners of new leases and pools to be added via amendment (reference rule 19.15.12.10(C)(4)(g) NMAC)

Working, royalty, and overriding interest owners have been notified of this proposal via certified mail.

Date: 02/13/2020

Allocation Methodology

PRORATED ALLOCATION

GAS ALLOCATION

Each well has a Wellhead Allocation (WH ALLOC) meter and a Gas Lift Injection (GL INJ) meter. The CTB has a commingled gas Meter (BATT ALLOC or 3rd Party Sales) that measures the volume of gas that leaves the CTB, this meter would be considered the FMP. Any Buy Back meter that measures off-lease gas coming on lease used for gas lift injection from the gathering line would be considered an FMP.

1. Buyback is the volume of off-lease gas used for gas lift, compression fuel, and well injection.
2. Net Well Production is base amount of production not used for gas lift and is calculated by subtracting gas lift injection (GL INJ) volume from the wellhead allocation (WH ALLOC) meter reading.
3. Lease use gas is allocated by theoretical % for each well * total amount of lease use volume.
4. Theoretical % used for the allocation of production/sales is calculated by dividing the Net Well Production volume for each well into the sum of the Net Well Production.
5. Net CTB Gas is Battery Allocation (BATT ALLOC) or 3rd Party Sales meter measuring commingled CTB gas less any Buy Back. All off lease Buy Back will be metered as an FMP and netted out of the BATT ALLOC FMP metered volume to derive both the Total Net FMP and total Net CTB production.
6. Theoretical % for each well is multiplied by the Net CTB Gas.
7. HP Flare is volume of gas flared from the CTB, allocated to wells by Theoretical % for each well * HP FL volume.
8. VRU measures the gas that flashes from the ultra-low-pressure separator (ULPS) and is piped in upstream of the commingled CTB BATT ALLOC meter. The VRU volume will be allocated based on the same allocation methodology applied for WH ALLOC allocated gas.
9. Allocated Production is all gas produced by CTB and is calculated by adding Total Net FMP Volumes+ HP Flare + Lease Use.

OIL ALLOCATION

Each well has an oil meter measuring the volume of oil produced by the well. This volume is used as the allocation point to prorate Allocated Production and Total Sales Volume (FMP) back to each well.

1. Allocated production is volume of oil produced by the CTB and is calculated by Ending Tank Inventory + Pipeline LACT (FMP) – Beginning Tank Inventory.
2. Available oil for sale is calculated by Pipeline LACT (FMP) + Beginning Tank Inventory.
3. Theoretical % is calculated by dividing each oil meter volume into the sum of oil meters.
4. The Theoretical % available for sale is the well sales available divided by the total available sales.
5. Total Sales Volume is the volume of oil sold through the FMP meter
6. Beginning Inventory comes from previous accounting period's Ending Inventory for each well.
7. Ending Inventory for each well is calculated by multiplying the theoretical production % by total ending inventory.

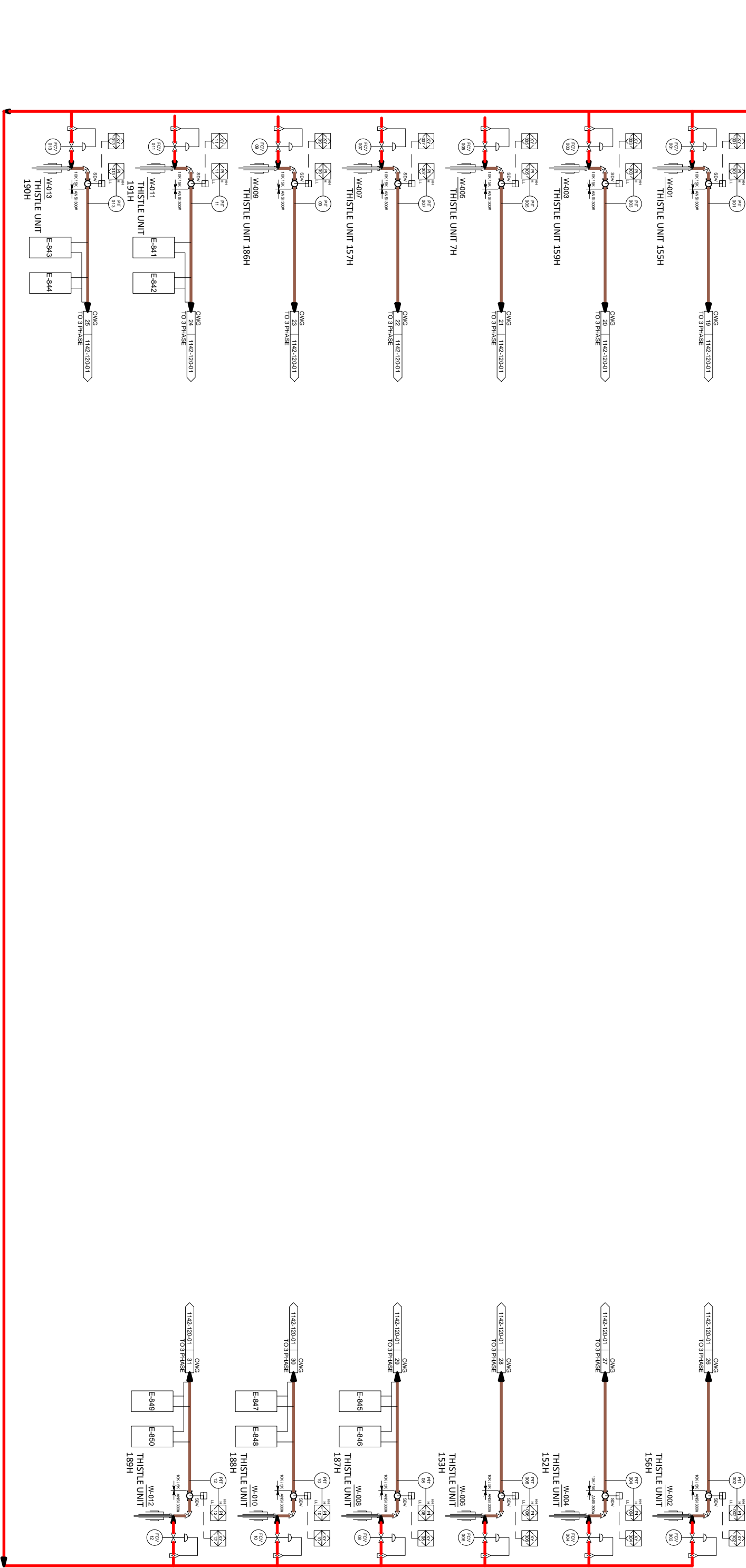
WATER ALLOCATION

Each well has a water meter measuring the volume of water produced by the well. This volume is used as the allocation point to prorate Allocated Production and Total Transferred Volume back to each well.

1. CTB Allocated production is volume of water produced by the CTB and is calculated by Ending Tank Inventory + Water Transfer – Beginning Tank Inventory.
2. CTB Available Water to Transfer is calculated by Water Transfer + Tank Inventory.
3. Theoretical % is calculated by dividing each water meter volume into the sum of the water meters.
4. The Theoretical % available for transfer for each well is the well production available divided the total Available water.
5. Total Transfer Volume is the volume of water metered by the water transfer meter.
6. Beginning Inventory comes from previous accounting period's allocated Ending Inventory for each well.
7. Ending Inventory for each well is calculated by multiplying the theoretical production % by total ending inventory.

E-841 THRU E-844
TEMP: HORZ. AIR COOLER
1,480 PSIG @200F

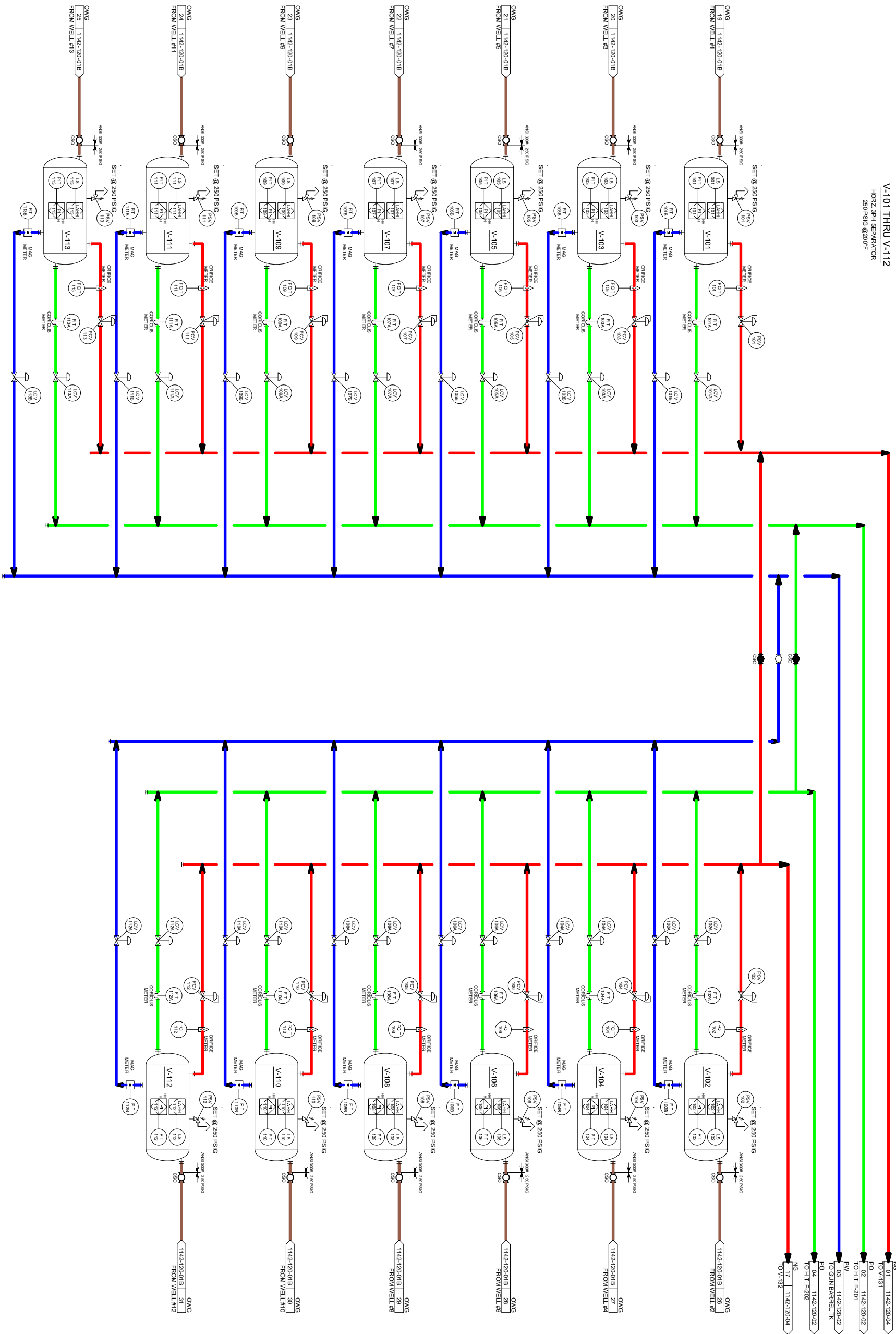
E-845 THRU E-850
TEMP: HORZ. AIR COOLER
1,480 PSIG @200F



NOTES:

1. NUMBER OF WELLS PER TRAIN TO BE DETERMINED BY TRAIN CAPACITY.
2. REMOVE ISOLATION VALVE UPSTREAM OF 3-PH SEPARATOR IF WELLHEAD & 3-PH SEPARATOR ON SAME PAD.

HOPK 3PH SEPARATOR
250 PSIG @20°F



Legend

Gas

Oil

Water

OWG

(Oil, Water, Gas Solution)

NOTES:

1. NUMBER OF WELLS PER TRAIN TO BE DETERMINED BY TRAIN CAPACITY.

2. REMOVE ISOLATION VALVE UPSTREAM OF 3-PH SEPARATOR IF WELLHEAD & 3-PH SEPARATOR ON SAME PAD.

A		ISSUED FOR APPROVAL		SCS	
REV	DESCRIPTION	DATE	BY	DATE	BY
1	ISSUED FOR APPROVAL	5/6/2019	SCS		

DRAWING STATUS		DRAWN BY		DATE	
ISSUED FOR	DATE	BY			
PHD					
CONSTRUCTION					
AS-BUILT					

CONFIDENTIAL

This drawing is the property of Devon Energy. Any reproduction, copying or unauthorized use of this drawing, or any part thereof, without the express written consent of Devon Energy is prohibited.

PROJECT No.: 1142		DRAWING No.: 120-01	
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devon

Devon Energy Corporation
333 West Sheridan Avenue, Oklahoma City, OK 73102-5015
THISTLE 33 CTB 1
PROCESS FLOW DIAGRAM

FILE NAME: 1142-120-01

REV: A

AST SAVED: 2/11/25 2:58 PM

BY: MURRAJ6

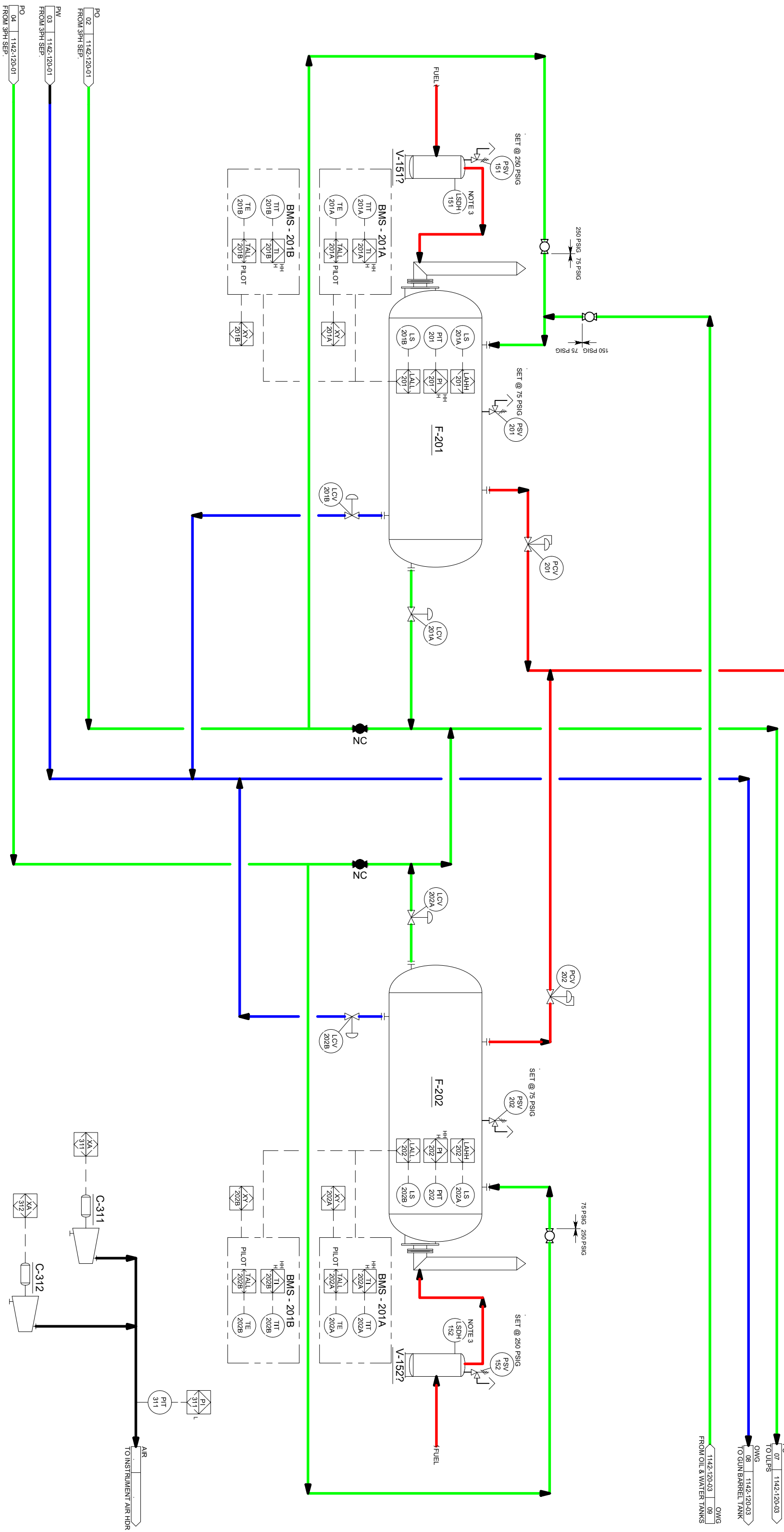
PLOT SCALE: 0.512:1

Printed: 2/11/25

F-201 THRU F-202
HORZ HEATER TREATER
75 PSIG @200°F
3.5 MMBTU/HR

V-151 THRU V-152
FUEL SCRUBBER
250 PSIG @ 200 °F

C-311 THRU C-312
INSTRUMENT AIR COMPRESSORS
15HP /480V



NOTES:

1. NUMBER OF WELLS PER TRAIN TO BE DETERMINED BY TRAIN CAPACITY.
2. REMOVE ISOLATION VALVE UPSTREAM OF 3-PH SEPARATOR IF WELLHEAD & 3-PH SEPARATOR ON SAME PAD.
3. WELLMARK MECHANICAL FUEL SHUTOFF VALAVE.

Legend

- Gas
- Oil
- Water
- OWG (Oil, Water, Gas Solution)

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	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	
PO	04	1142-120-01
	FROM 3PH SEP.	

PO	02	1142-120-01
	FROM 3PH SEP.	
PW	03	1142-120-01
	FROM 3PH SEP.	

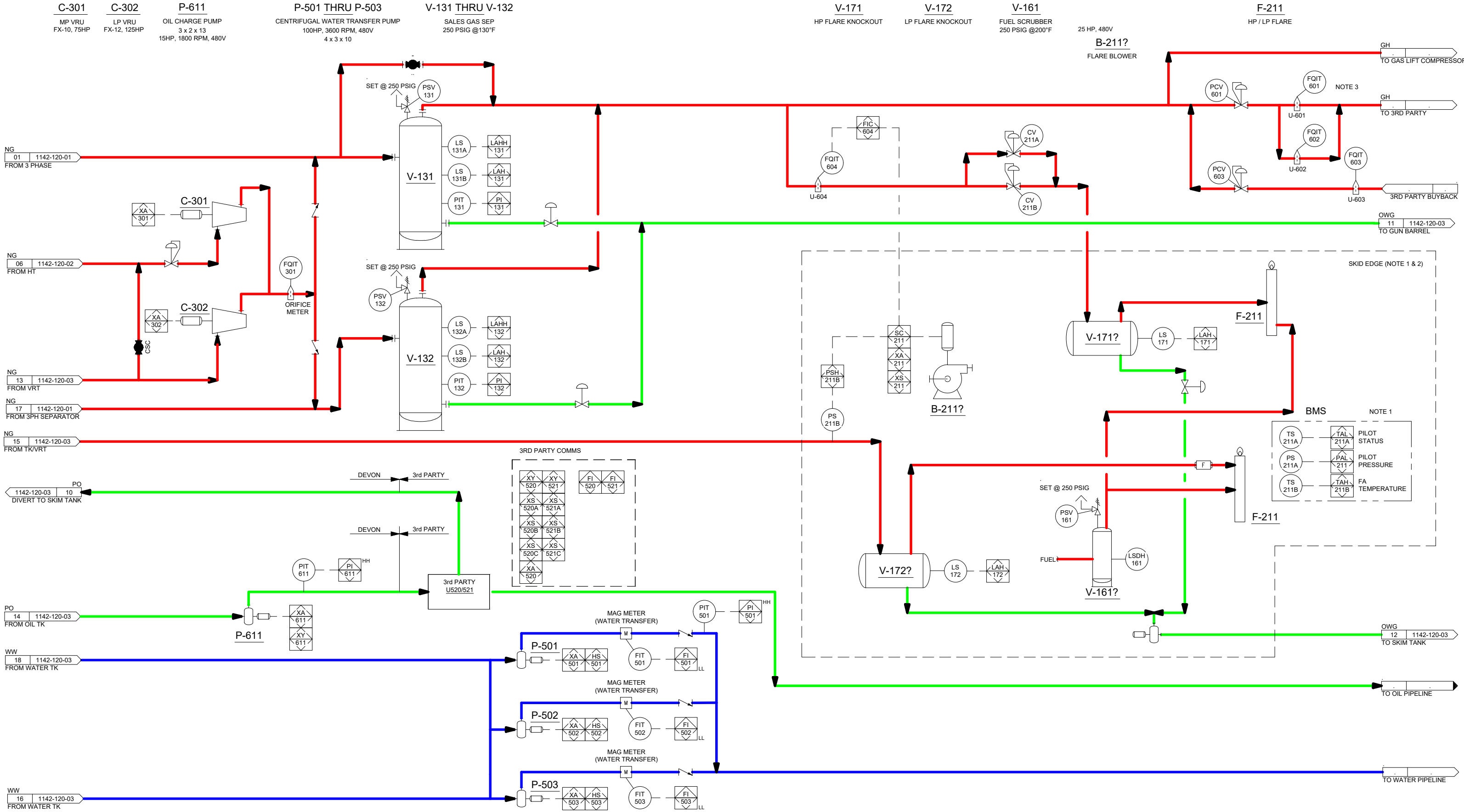


22
—
ILATION PUMP
432



- DATA\ENGT

W:\USA\CORPORATE\DATA\ENGTEC



Legend

- Gas
- Oil
- Water
- OWG (Oil, Water, Gas Solution)

NOTE:

- DUAL-TIP FLARE WITH COMMON PILOT WILL ONLY HAVE ONE BMS.
- KNOCKOUT DRUMS SHOWN SEPARATELY BUT ARE INTEGRAL TO FLARE.
- ALL 3 METERS ARE 3rd PARTY OWNED MEASUREMENT. PIGGY BACK MEASUREMENT TO BRING INTO DEVON SCADA.

DRAWING STATUS			
ISSUED FOR	DATE	BY	
PHA			
BID			
CONSTRUCTION			
AS-BUILT			

CONFIDENTIAL			
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DRAWING REVISION			
REV	DESCRIPTION	DATE	BY
A	ISSUED FOR APPROVAL	5/6/2019	SCS

DRAWN BY		DATE	
C. SCOTT		5/6/2019	
ENGINEERED BY		DATE	
R. KROEKER		5/6/2019	
APPROVED BY		DATE	

PROJECT No.: 1142

DRAWING No.: 120-04

Devon Energy Corporation
333 West Sheridan Avenue, Oklahoma City, OK 73102-5015

THISTLE 33 CTB 1
PROCESS FLOW DIAGRAM

FILE NAME: 1142-120-04

REV: A

Received by Imaging: 8/28/2026 9:32:35 AM

THISTLE UNIT WELLS
7H,152H,153H,155H,156H,
157H,159H,186H, 187H, 187H,
188H, 189H, 190H, 191H
LEA COUNTY, NEW MEXICO



This map is for illustrative purposes only and is neither a legally recorded map nor a survey and is not intended to be used as one.
Devon makes no warranty, representation, or guarantee of any kind regarding this map.

NAD 1983 2011 StatePlane New Mexico East FIPS 3001 Ft US

Datum: NAD 1983 2011
Created by: brante
Map is current as of: 3/12/2025



01,0002,000
Feet1:17,000

● Central Tank Battery

● Sales Meter

→ Flow Line

■ Deviated Surface

— Directional Survey (ACT-DVN/OBO)

- - - Directional (approx)

PA-NMNM088526C

PA-NMNM088526B

Unit NMNM088526X

ST NM V0 4057

ST NM V0-2794

ST NM V0-2818

ST OF NM V0-2798

USA NMNM 94186

ST OF NM V0-2797

23S - 33E - 16

23S - 33E - 15

23S - 33E - 21

23S - 33E - 22

23S - 33E - 29

23S - 33E - 28

23S - 33E - 27

23S - 33E - 32

23S - 33E - 33

23S - 33E - 34

THISTLE UNIT 186H
THISTLE UNIT 153H
THISTLE UNIT 155H
THISTLE UNIT 187H
THISTLE UNIT 188H
THISTLE UNIT 189H
THISTLE UNIT 190H
THISTLE UNIT 191H
THISTLE UNIT 7H
THISTLE UNIT 152H
THISTLE UNIT 156H
THISTLE UNIT 157H
THISTLE UNIT 159H

API
30-025-52076
30-025-43589
30-025-43658
30-025-53253
30-025-53254
30-025-53255
30-025-53256
30-025-53257
30-025-43432
30-025-43588
30-025-43599
30-025-43728
30-025-43659

THISTLE UNIT 33 CTB 1

THISTLE UNIT 33 WELL PAD 4

THISTLE UNIT 33 WELL PAD 2

THISTLE UNIT 33 WELL PAD 3

USA NMNM 94186

ST OF NM V0-2797

3002543589 - THISTLE UNIT 153H (DVN)

3002543588 - THISTLE UNIT 152H (DVN)

3002543658 - THISTLE UNIT 155H (DVN)

3002543728 - THISTLE UNIT 157H (DVN)

3002553254 - THISTLE UNIT 188H (DVN)

3002543659 - THISTLE UNIT 159H (DVN)

3002543599 - THISTLE UNIT 156H (DVN)

3002543432 - THISTLE UNIT 7H (DVN)

3002553255 - THISTLE UNIT 189H (DVN)

3002553256 - THISTLE UNIT 190H (DVN)

3002553257 - THISTLE UNIT 191H (DVN)

30025532076 - THISTLE UNIT 186H (DVN)

Released to Imaging: 8/28/2026 9:32:35 AM

Path: \\dvn.com\network\USA\Corporate\Apps\App-Data\GIS\gis_data\Okc_land\Delaware_Basin\FilingPlats\2025\Thistle_Unit_33_CTB_1.aprx

[illegible]

Economic Justification Report

Thistle Unit 33 CTB 1

Well Name & Number		Type	Fed Lease 1	Royalty Rate	Fed Lease 2 (if applicable)	Royalty Rate	BOPD	Oil Gravity @ 60°	MCFPD	Dry BTU
THISTLE UNIT 186H		Sweet	NMNM94186	12.50%			670	50.1	6,697	1,305
THISTLE UNIT 153H		Sweet	NMNM94186	12.50%			121	49.4	388	1,172
THISTLE UNIT 155H		Sweet	NMNM94186	12.50%			114	49.4	420	1,172
THISTLE UNIT 187H		Sweet	NMNM94186	12.50%			1,042	50.1	6,406	1,305
THISTLE UNIT 188H		Sweet	NMNM94186	12.50%			1,109	50.1	6,830	1,305
THISTLE UNIT 189H		Sweet	NMNM94186	12.50%			1,239	50.1	7,660	1,305
THISTLE UNIT 190H		Sweet	NMNM94186	12.50%			1,208	50.1	7,479	1,305
THISTLE UNIT 191H		Sweet	NMNM94186	12.50%			1,390	50.1	8,525	1,305
THISTLE UNIT 7H		Sweet	NMNM94186	12.50%			35	49.4	636	1,172
THISTLE UNIT 152H		Sweet	NMNM94186	12.50%			53	49.4	1,259	1,172
THISTLE UNIT 156H		Sweet	NMNM94186	12.50%			52	49.4	1,765	1,172
THISTLE UNIT 157H		Sweet	NMNM94186	12.50%			13	49.4	1,384	1,172
THISTLE UNIT 159H		Sweet	NMNM94186	12.50%			69	49.4	1,560	1,172

Signed: Rebecca Deal

Date: 3/17/2025

Printed Name: Rebecca Deal

Title: Regulatory Compliance

Economic Combined Production

BOPD	Oil Gravity @ 60°	MCFPD	Dry BTU
7115.0	50.1	51009.0	1285.7

No anticipated value degradation by commingling due to anticipated gravity.

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
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☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-43589	² Pool Code 96689	³ Pool Name BRINNINSTOOL;WOLFCAMP, WEST
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 153H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3661.5

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	23 S	33 E		340	SOUTH	1200	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	28	23 S	33 E		23	NORTH	388	WEST	LEA

¹² Dedicated Acres 320	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.

NW CORNER SEC. 28 LAT. = 32.2829532°N LONG. = 103.5858118°W NMSP EAST (FT) N = 467476.07 E = 772348.66 W/4 CORNER SEC. 28 LAT. = 32.2756952°N LONG. = 103.5858099°W NMSP EAST (FT) N = 464835.64 E = 772367.62 SECTION CORNER LAT. = 32.2684591°N LONG. = 103.5858093°W NMSP EAST (FT) N = 462203.15 E = 772386.14 W/4 CORNER SEC. 33 LAT. = 32.2611767°N LONG. = 103.5858055°W NMSP EAST (FT) N = 459553.86 E = 772405.77 SW CORNER SEC. 33 LAT. = 32.2539176°N LONG. = 103.5858020°W NMSP EAST (FT) N = 456913.03 E = 772425.25		388' 23' BOTTOM OF HOLE LTP BOTTOM OF HOLE LAT. = 32.2829111°N LONG. = 103.5845555°W NMSP EAST (FT) N = 467456.20 E = 772737.06 THISTLE UNIT 153H ELEV. = 3661.5' LAT. = 32.2548474°N (NAD83) LONG. = 103.5819216°W NMSP EAST (FT) N = 457259.66 E = 773622.48 KICK OFF POINT 24' FSL, 770' FWL LAT. = 32.2539819°N LONG. = 103.5833110°W FTP 1200' SURFACE LOCATION KOP		N/4 CORNER SEC. 28 LAT. = 32.2829531°N LONG. = 103.5772866°W NMSP EAST (FT) N = 467494.48 E = 774983.29 LAST TAKE POINT 228' FNL, 385' FWL LAT. = 32.2828279°N LONG. = 103.5845662°W QUARTER CORNER LAT. = 32.2684508°N LONG. = 103.5772748°W NMSP EAST (FT) N = 462218.61 E = 775024.12 FIRST TAKE POINT 624' FSL, 776' FWL LAT. = 32.2556290°N LONG. = 103.5832922°W S/4 CORNER SEC. 33 LAT. = 32.2539073°N LONG. = 103.5772780°W NMSP EAST (FT) N = 456927.75 E = 775060.40		NE CORNER SEC. 28 LAT. = 32.2829508°N LONG. = 103.5687577°W NMSP EAST (FT) N = 467512.36 E = 777619.12 E/4 CORNER SEC. 28 LAT. = 32.2756899°N LONG. = 103.5687542°W NMSP EAST (FT) N = 464870.84 E = 777639.03 SECTION CORNER LAT. = 32.2684420°N LONG. = 103.5687493°W NMSP EAST (FT) N = 462234.08 E = 777659.34 E/4 CORNER SEC. 33 LAT. = 32.2611700°N LONG. = 103.5687420°W NMSP EAST (FT) N = 459588.56 E = 777680.44 SE CORNER SEC. 33 LAT. = 32.2539037°N LONG. = 103.5687408°W NMSP EAST (FT) N = 456945.13 E = 777699.63	
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¹⁷ 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 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.

Rebecca Deal **10/7/2019**
Signature Date

Rebecca Deal, Regulatory Analyst
Printed Name

rebecca.deal@dvnm.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

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

DECEMBER 31, 2018
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor

Certificate Number: **PLS 12797**
SURVEY NO. 4714A

Intent ☐ As Drilled ☐ XXX

API # 30-025-43589		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 153H

Kick Off Point (KOP)

UL M	Section 33	Township 23S	Range 33E	Lot	Feet 24	From N/S SOUTH	Feet 770	From E/W WEST	County LEA
Latitude 32.2539819					Longitude 103.5833110			NAD 83	

First Take Point (FTP)

UL M	Section 33	Township 23S	Range 33E	Lot	Feet 624	From N/S SOUTH	Feet 776	From E/W WEST	County LEA
Latitude 32.2556290					Longitude 103.5832922			NAD 83	

Last Take Point (LTP)

UL D	Section 28	Township 23S	Range 33E	Lot	Feet 228	From N/S NORTH	Feet 385	From E/W WEST	County LEA
Latitude 32.2823279					Longitude 103.5845662			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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District IV
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Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-43728	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 157H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3660.7

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	23 S	33 E		340	SOUTH	1280	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	28	23 S	33 E		25	NORTH	2328	WEST	LEA

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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2328' 25' BOTTOM OF HOLE LAT. = 32.2828846°N LONG. = 103.5782821°W NMSP EAST (FT) N = 467467.42 E = 774675.84 BOTTOM OF HOLE LAT. = 32.2828846°N LONG. = 103.5782821°W NMSP EAST (FT) N = 467467.42 E = 774675.84 THISTLE UNIT 157H ELEV. = 3660.7' LAT. = 32.2548472°N (NAD83) LONG. = 103.5816627°W NMSP EAST (FT) N = 457260.15 E = 773702.51 KICK OFF POINT 193' FSL, 2230' FWL LAT. = 32.2544404°N LONG. = 103.5785899°W 1280'			17 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 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>Rebecca Deal</i> 10/9/2019 Signature Date Rebecca Deal, Regulatory Analyst Printed Name rebecca.deal@dmn.com E-mail Address			18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. FEBRUARY 18, 2019 Date of Survey <i>William F. Jaramillo</i> Signature and Seal of Professional Surveyor: Certificate Number: 12797 NO.4719B		

Intent ☐ As Drilled ☒

API # 30-025-43728		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 157H

Kick Off Point (KOP)

UL N	Section 33	Township 23S	Range 33E	Lot	Feet 193	From N/S SOUTH	Feet 2230	From E/W WEST	County LEA
Latitude 32.2544404					Longitude 103.5785899			NAD 83	

First Take Point (FTP)

UL N	Section 33	Township 23S	Range 33E	Lot	Feet 612	From N/S SOUTH	Feet 2252	From E/W WEST	County LEA
Latitude 32.2555917					Longitude 103.5785208			NAD 83	

Last Take Point (LTP)

UL C	Section 28	Township 23S	Range 33E	Lot	Feet 177	From N/S NORTH	Feet 2310	From E/W WEST	County LEA
Latitude 32.2824670					Longitude 103.5783379			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-43659	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code	⁵ Property Name THISTLE UNIT	⁶ Well Number 159H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3653.5

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	33	23 S	33 E		150	SOUTH	1839	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	23 S	33 E		78	NORTH	2296	EAST	LEA

¹² Dedicated Acres 480	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.

NW CORNER SEC. 21 LAT. = 32.2974724°N LONG. = 103.5858160°W NMSP EAST (FT) N = 472758.13 E = 772310.54 W/4 CORNER SEC. 21 LAT. = 32.2902115°N LONG. = 103.5858143°W NMSP EAST (FT) N = 470116.64 E = 772329.48 NW CORNER SEC. 28 LAT. = 32.2829532°N LONG. = 103.5858118°W NMSP EAST (FT) N = 467476.07 E = 772348.66 W/4 CORNER SEC. 28 LAT. = 32.2756952°N LONG. = 103.5858099°W NMSP EAST (FT) N = 464835.64 E = 772367.62 SECTION CORNER LAT. = 32.2684591°N LONG. = 103.5858093°W NMSP EAST (FT) N = 462203.15 E = 772386.14 W/4 CORNER SEC. 33 LAT. = 32.2611767°N LONG. = 103.5858055°W NMSP EAST (FT) N = 459553.86 E = 772405.77 SW CORNER SEC. 33 LAT. = 32.2539176°N LONG. = 103.5858020°W NMSP EAST (FT) N = 456913.03 E = 772425.25		N/4 CORNER SEC. 21 LAT. = 32.2974809°N LONG. = 103.5772949°W NMSP EAST (FT) N = 472779.66 E = 774943.48 SEC. 21 N/4 CORNER SEC. 28 LAT. = 32.2829531°N LONG. = 103.5772866°W NMSP EAST (FT) N = 467494.28 E = 774983.29 SEC. 28 QUARTER CORNER LAT. = 32.2684508°N LONG. = 103.5772748°W NMSP EAST (FT) N = 462218.61 E = 775024.12 SEC. 33 KICK OFF POINT 47° FSLL 2431' FEL LAT. = 32.2540357°N LONG. = 103.5766035°W THISTLE UNIT 159H LAT. = 32.2543190°N (NAD83) LONG. = 103.5746887°W ELEV. = 3653.5' NMSP EAST (FT) N = 457083.16 E = 775859.81 S/4 CORNER SEC. 33 LAT. = 32.2539073°N LONG. = 103.572780°W NMSP EAST (FT) N = 456927.75 E = 775060.40		NE CORNER SEC. 21 LAT. = 32.2974757°N LONG. = 103.5687592°W NMSP EAST (FT) N = 472796.48 E = 777580.98 E/4 CORNER SEC. 21 SCALED NE CORNER SEC. 28 LAT. = 32.2829508°N LONG. = 103.5687577°W NMSP EAST (FT) N = 467512.36 E = 777619.12 E/4 CORNER SEC. 28 LAT. = 32.2756899°N LONG. = 103.5687542°W NMSP EAST (FT) N = 464870.84 E = 777639.03 SECTION CORNER LAT. = 32.2684420°N LONG. = 103.5687493°W NMSP EAST (FT) N = 462234.08 E = 777659.34 E/4 CORNER SEC. 33 LAT. = 32.2611700°N LONG. = 103.5687420°W NMSP EAST (FT) N = 459588.56 E = 777680.44 SE CORNER SEC. 33 LAT. = 32.2539037°N LONG. = 103.5687408°W NMSP EAST (FT) N = 456945.13 E = 777699.63		¹⁷ 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 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>Rebecca Deal</i> 10/21/2019 Signature Date Rebecca Deal, Regulatory Analyst Printed Name rebecca.deal@dvn.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. FEBRUARY 18, 2019 Date of Survey <i>William F. Jaramila</i> Signature and Seal of Professional Surveyor Certificate Number: 12797 SURVEY NO. 4720C
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Intent ☐ As Drilled ☒

API # 30-025-43659		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 159H

Kick Off Point (KOP)

UL O	Section 33	Township 23S	Range 33E	Lot	Feet 47	From N/S SOUTH	Feet 2431	From E/W EAST	County LEA
Latitude 32.2540357					Longitude 103.5766035				NAD 83

First Take Point (FTP)

UL O	Section 33	Township 23S	Range 33E	Lot	Feet 585	From N/S SOUTH	Feet 2432	From E/W EAST	County LEA
Latitude 32.2555156					Longitude 103.5766135				NAD 83

Last Take Point (LTP)

UL B	Section 21	Township 23S	Range 33E	Lot	Feet 97	From N/S NORTH	Feet 2296	From E/W EAST	County LEA
Latitude 32.2972130					Longitude 103.5761888				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

AS DRILLED PLAT

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-52076	Pool Code 96689	Pool Name BRINNINSTOOL;WOLFCAMP, WEST
Property Code 30884	Property Name THISTLE UNIT	Well Number 186H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3659.8'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	23-S	33-E		130	SOUTH	347	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	28	23-S	33-E		42	NORTH	660	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			Thistle Unit: NMNM088526X. Approved Wolfcamp PA: NMNM88526B

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

THISTLE UNIT 186H EL: 3659.8' GEODETIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION N: 457044.62 E: 772771.12 LAT: 32.254273 LON: 103.584680 KICK OFF POINT 88' FSL 342' FWL SEC. 33 N: 457003.03 E: 772766.10 LAT: 32.254158 LON: 103.584697 FIRST TAKE POINT 469' FSL 377' FWL SEC. 33 N: 457384.20 E: 772798.94 LAT: 32.255206 LON: 103.584583 LAST TAKE POINT 113' FNL 663' FWL SEC. 28 N: 467367.86 E: 773012.49 LAT: 32.282643 LON: 103.583666 BOTTOM OF HOLE N: 467438.59 E: 773009.09 LAT: 32.282838 LON: 103.583676		OPERATOR CERTIFICATION I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <u>Rebecca Deal</u> 3/12/2024 Signature Date <u>Rebecca Deal, Regulatory Analyst</u> Printed Name <u>Rebecca.deal@dvn.com</u> E-mail Address 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. _____ Date of Survey _____ Signature & Seal of Professional Surveyor 3/6/24 Certificate No. 23261 Albert R. DeHoyos W.O. # DRAWN BY: CM
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Intent ☐ As Drilled ☒

API #		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, LP.	Property Name: THISTLE UNIT	Well Number 186H

Kick Off Point (KOP)

UL M	Section 33	Township 23-S	Range 33-E	Lot	Feet 88	From N/S SOUTH	Feet 342	From E/W WEST	County LEA
Latitude 32.254158					Longitude 103.584697			NAD 83	

First Take Point (FTP)

UL M	Section 33	Township 23-S	Range 33-E	Lot	Feet 469	From N/S SOUTH	Feet 377	From E/W WEST	County LEA
Latitude 32.255206					Longitude 103.584583			NAD 83	

Last Take Point (LTP)

UL D	Section 28	Township 23-S	Range 33-E	Lot	Feet 113	From N/S NORTH	Feet 663	From E/W WEST	County LEA
Latitude 32.282643					Longitude 103.583666			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit?

☐ Y

Is this well an infill well?

☐ N

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-43588	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 152H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3661.5

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	23 S	33 E		340	SOUTH	1230	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	28	23 S	33 E		418	NORTH	1397	WEST	LEA

¹² Dedicated Acres 320	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.

NW CORNER SEC. 28 LAT. = 32.2829532°N LONG. = 103.5858118°W NMSP EAST (FT) N = 467476.07 E = 772348.66 W/4 CORNER SEC. 28 LAT. = 32.2756952°N LONG. = 103.5858099°W NMSP EAST (FT) N = 464835.64 E = 772367.62 SECTION CORNER LAT. = 32.2684591°N LONG. = 103.5858093°W NMSP EAST (FT) N = 462203.15 E = 772386.14 W/4 CORNER SEC. 33 LAT. = 32.2611767°N LONG. = 103.5858055°W NMSP EAST (FT) N = 459553.86 E = 772405.77 SW CORNER SEC. 33 LAT. = 32.2539176°N LONG. = 103.5858020°W NMSP EAST (FT) N = 456913.03 E = 772425.25		1397' LTP BOTTOM OF HOLE THISTLE UNIT 152H ELEV. = 3661.5' LAT. = 32.2548475°N (NAD83) LONG. = 103.5818244°W NMSP EAST (FT) N = 457259.92 E = 773652.54 KICK OFF POINT 186' FSL, 1395' FWL LAT. = 32.2544242°N LONG. = 103.5812922°W FTP 1230' KOP 340' SURFACE LOCATION		N/4 CORNER SEC. 28 LAT. = 32.2829531°N LONG. = 103.5772866°W NMSP EAST (FT) N = 467494.48 E = 774983.29 LAST TAKE POINT 335' FNL, 1396' FWL LAT. = 32.2814838°N LONG. = 103.5812957°W QUARTER CORNER LAT. = 32.2684508°N LONG. = 103.5772748°W NMSP EAST (FT) N = 462218.61 E = 775024.12 S/4 CORNER SEC. 33 LAT. = 32.2539073°N LONG. = 103.5772780°W NMSP EAST (FT) N = 456927.75 E = 775060.40		NE CORNER SEC. 28 LAT. = 32.2829508°N LONG. = 103.5687577°W NMSP EAST (FT) N = 467512.36 E = 777619.12 E/4 CORNER SEC. 28 LAT. = 32.2756899°N LONG. = 103.5687542°W NMSP EAST (FT) N = 464870.84 E = 777639.03 SECTION CORNER LAT. = 32.2684420°N LONG. = 103.5687493°W NMSP EAST (FT) N = 462234.08 E = 777659.34 E/4 CORNER SEC. 33 LAT. = 32.2539037°N LONG. = 103.5687408°W NMSP EAST (FT) N = 456945.13 E = 777699.63	
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¹⁷ 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 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.

Rebecca Deal **10/9/2019**
Signature Date

Rebecca Deal, Regulatory Analyst
Printed Name

rebecca.deal@dmn.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

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

DECEMBER 31, 2018
Date of Survey

William F. Jaramillo
Signature and Seal of Professional Surveyor

Certificate Number: 12797
Professional Surveyor No. 4718A

Intent ☐ As Drilled ☒

API # 30-025-43588		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 152H

Kick Off Point (KOP)

UL N	Section 33	Township 23S	Range 33E	Lot	Feet 186	From N/S SOUTH	Feet 1395	From E/W WEST	County LEA
Latitude 32.2544242					Longitude 103.5812922			NAD 83	

First Take Point (FTP)

UL N	Section 33	Township 23S	Range 33E	Lot	Feet 631	From N/S SOUTH	Feet 1403	From E/W WEST	County LEA
Latitude 32.2556471					Longitude 103.5812645			NAD 83	

Last Take Point (LTP)

UL C	Section 28	Township 23S	Range 33E	Lot	Feet 535	From N/S NORTH	Feet 1396	From E/W WEST	County LEA
Latitude 32.2814838					Longitude 103.5812957			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July, 2024	
			Submittal Type:	☐ Initial Submittal
				☐ Amended Report
		☒ As Drilled		

WELL LOCATION INFORMATION

API Number 30-025-53253	Pool Code [96689]	Pool Name BRINNINSTOOL;WOLFCAMP, WEST
Property Code 30884	Property Name THISTLE UNIT	Well Number 187H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Ground Level Elevation 3661.2'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	33	23-S	33-E		341' S	1329' W	32.254850	103.581503	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	28	23-S	33-E		20' N	1460' W	32.282898	103.581087	LEA

Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API 30-025-52076	Overlapping Spacing Unit (Y/N) N	Consolidation Code U
Order Numbers NMNM88526B			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	33	23-S	33-E		63' S	1455' W	32.254084	103.581095	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	33	23-S	33-E		100' S	1460' W	32.254187	103.581080	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	28	23-S	33-E		100' N	1460' W	32.282678	103.581087	LEA

Spacing Unit Type		Horizontal	Vertical	Ground Floor Elevation:
		HZ		

OPERATOR CERTIFICATIONS

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

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

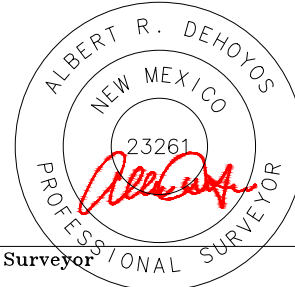
Signature *Rebecca Deal* Date 3/21/2025

Printed Name
Rebecca Deal, Regulatory Analyst

Email Address
rebecca.deal@dvn.com

SURVEYOR CERTIFICATIONS

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



Signature and Seal of Professional Surveyor

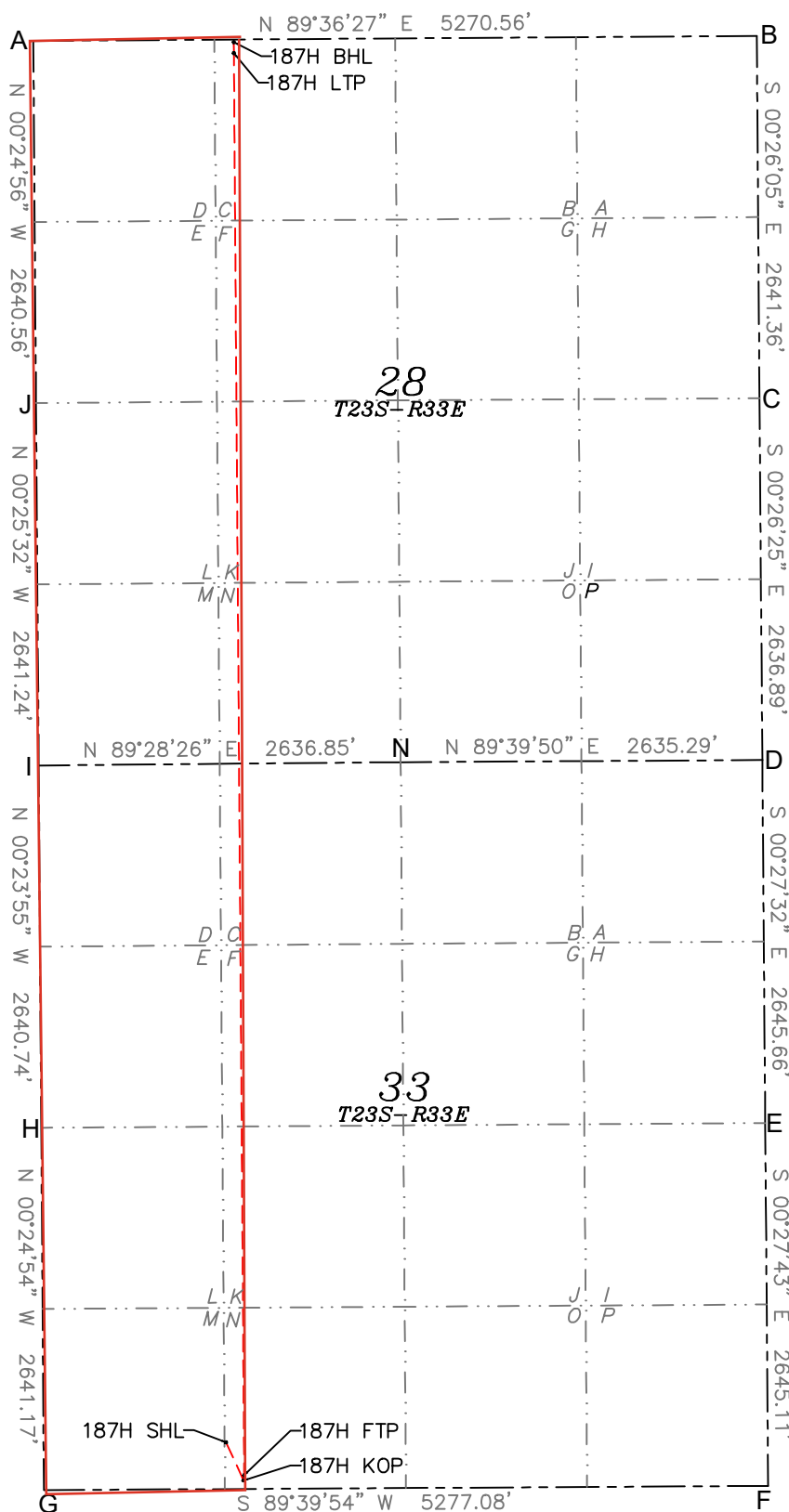
Certificate Number 23261 Date of Survey 04/2024

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

PRELIMINARY



SURFACE HOLE LOCATION
 GEODETIC COORDINATES NAD 83
 NMSP EAST SURFACE LOCATION
 341' FSL 1329' FWL SECTION 33
 0' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:457261.34/E:773752.00
 LAT:32.254850/LON:103.581503

KICK OFF POINT
 63' FSL 1455' FWL SECTION 33
 12,712' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:456983.77/E:773880.06
 LAT:32.254084/LON:103.581095

FIRST TAKE POINT
 100' FSL 1460' FWL SECTION 33
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:457021.13/E:773884.32
 LAT:32.254187/LON:103.581080

LAST TAKE POINT
 100' FNL 1460' FWL SECTION 28
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:467386.03/E:773809.48
 LAT:32.282678/LON:103.581087

BOTTOM HOLE LOCATION
 20' FNL 1460' FWL SECTION 28
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:467466.03/E:773808.90
 LAT:32.282898/LON:103.581087

CORNER COORDINATES
 NAD 83, SPCS NM EAST
 A=N:467476.03 E:772348.79
 B=N:467512.14 E:777619.23
 C=N:464870.85 E:777639.28
 D=N:462234.04 E:777659.54
 E=N:459588.46 E:777680.74
 F=N:456943.44 E:777702.06
 G=N:456912.59 E:772425.07
 H=N:459553.70 E:772405.93
 I=N:462194.37 E:772387.55
 J=N:464835.54 E:772367.94

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July, 2024	
			Submittal Type:	☐ Initial Submittal
				☐ Amended Report
		☒ As Drilled		

WELL LOCATION INFORMATION

API Number 30-025-53254	Pool Code [96689]	Pool Name BRINNINSTOOL;WOLFCAMP, WEST
Property Code 30884	Property Name THISTLE UNIT	Well Number 188H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Ground Level Elevation 3661.2'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	33	23-S	33-E		342' S	1389' W	32.254851	103.581309	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	28	23-S	33-E		20' N	2320' W	32.282897	103.578304	LEA

Dedicated Acres 320	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code U
Order Numbers NMNM88526B			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	33	23-S	33-E		141' S	2313' W	32.254298	103.578321	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	33	23-S	33-E		100' S	2320' W	32.254184	103.578298	LEA

Last Take Point (LTP)

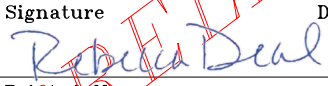
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	28	23-S	33-E		100' N	2320' W	32.282677	103.578304	LEA

Spacing Unit Type		Horizontal	Vertical	Ground Floor Elevation:
		HZ		

OPERATOR CERTIFICATIONS

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

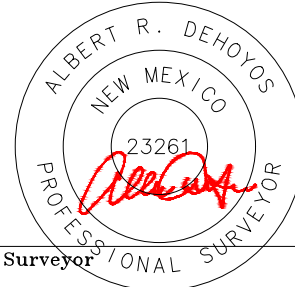
If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Signature  Date 3/21/2025

Printed Name
Rebecca Deal, Regulatory Analyst
Email Address
rebecca.deal@dvn.com

SURVEYOR CERTIFICATIONS

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



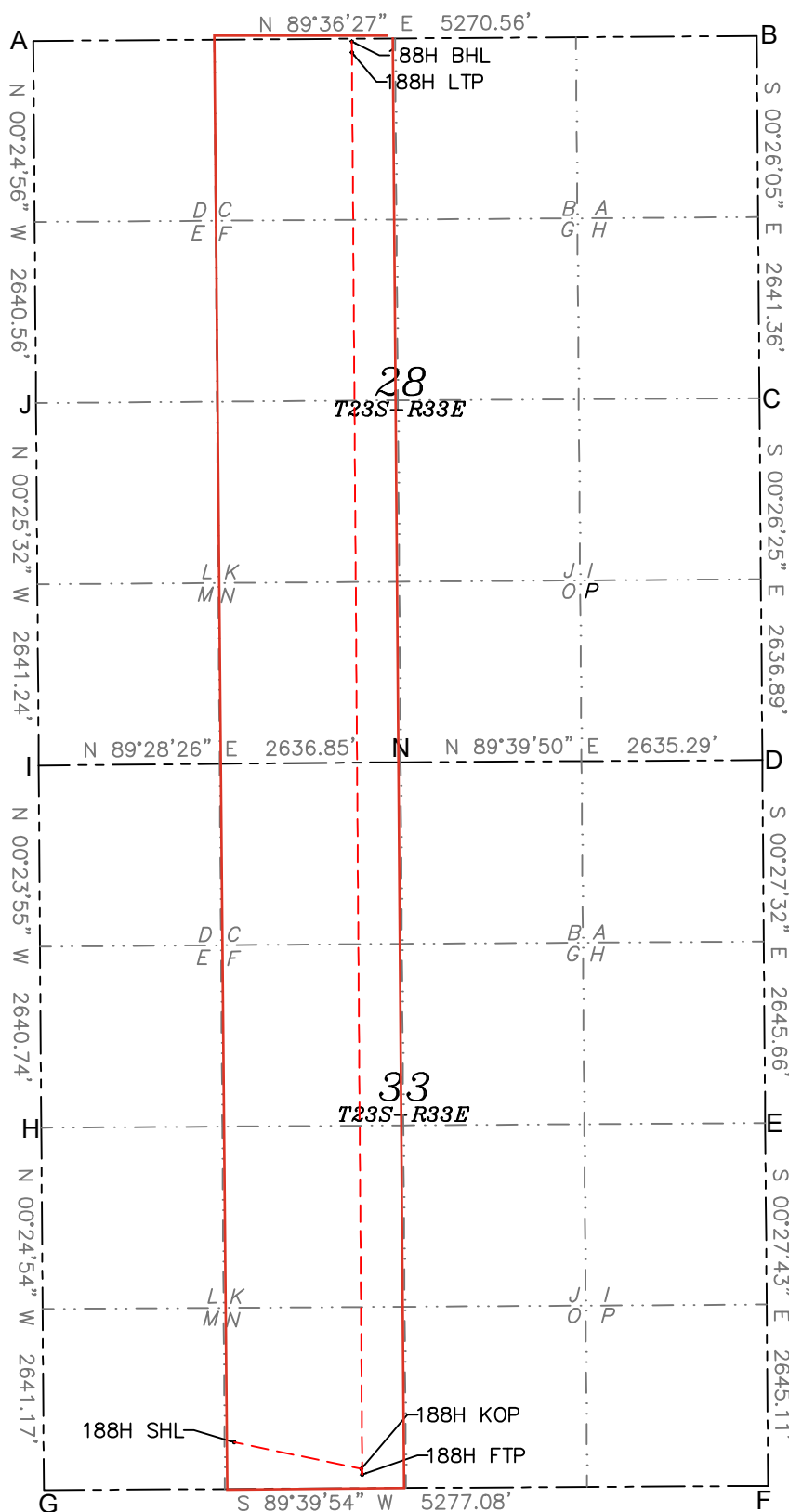
Signature and Seal of Professional Surveyor

Certificate Number 23261 Date of Survey 04/2024

ACREAGE DEDICATION PLATS

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SURFACE HOLE LOCATION
 GEODETIC COORDINATES NAD 83
 NMSP EAST SURFACE LOCATION
 342' FSL 1389' FWL SECTION 33
 0' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:457262.30/E:773812.00
 LAT:32.254851/LON:103.581309

KICK OFF POINT
 141' FSL 2313' FWL SECTION 33
 12,687' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:457067.46/E:774737.12
 LAT:32.254298/LON:103.578321

FIRST TAKE POINT
 100' FSL 2320' FWL SECTION 33
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:457026.15/E:774744.31
 LAT:32.254184/LON:103.578298

LAST TAKE POINT
 100' FNL 2320' FWL SECTION 28
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:467391.93/E:774669.46
 LAT:32.282677/LON:103.578304

BOTTOM HOLE LOCATION
 20' FNL 2320' FWL SECTION 28
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:467471.92/E:774668.88
 LAT:32.282897/LON:103.578304

CORNER COORDINATES
 NAD 83, SPCS NM EAST
 A=N:467476.03 E:772348.79
 B=N:467512.14 E:777619.23
 C=N:464870.85 E:777639.28
 D=N:462234.04 E:777659.54
 E=N:459588.46 E:777680.74
 F=N:456943.44 E:777702.06
 G=N:456912.59 E:772425.07
 H=N:459553.70 E:772405.93
 I=N:462194.37 E:772387.55
 J=N:464835.54 E:772367.94

PRELIMINARY

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July, 2024	
			Submittal Type:	☐ Initial Submittal
				☐ Amended Report
		☒ As Drilled		

WELL LOCATION INFORMATION

API Number 30-025-53255	Pool Code [96689]	Pool Name BRINNINSTOOL;WOLFCAMP, WEST
Property Code 30884	Property Name THISTLE UNIT	Well Number 189H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Ground Level Elevation 3661.3'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	33	23-S	33-E		342' S	1419' W	32.254852	103.581211	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	21	23-S	33-E		20' N	2100' E	32.297419	103.575567	LEA

Dedicated Acres 480	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code U
Order Numbers NMNM88526B			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	33	23-S	33-E		183' S	2577' E	32.254411	103.577070	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	33	23-S	33-E		100' S	2100' E	32.254181	103.575526	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	21	23-S	33-E		100' N	2100' E	32.297199	103.575567	LEA

Spacing Unit Type		Horizontal	Vertical	Ground Floor Elevation:
		HZ		

OPERATOR CERTIFICATIONS

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

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

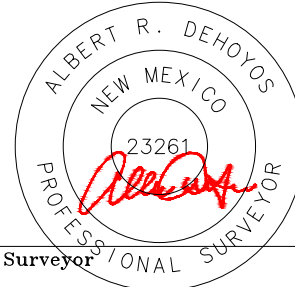
Signature  Date 3/21/2025

Printed Name
Rebecca Deal, Regulatory Analyst

Email Address
rebecca.deal@dv.com

SURVEYOR CERTIFICATIONS

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



Signature and Seal of Professional Surveyor

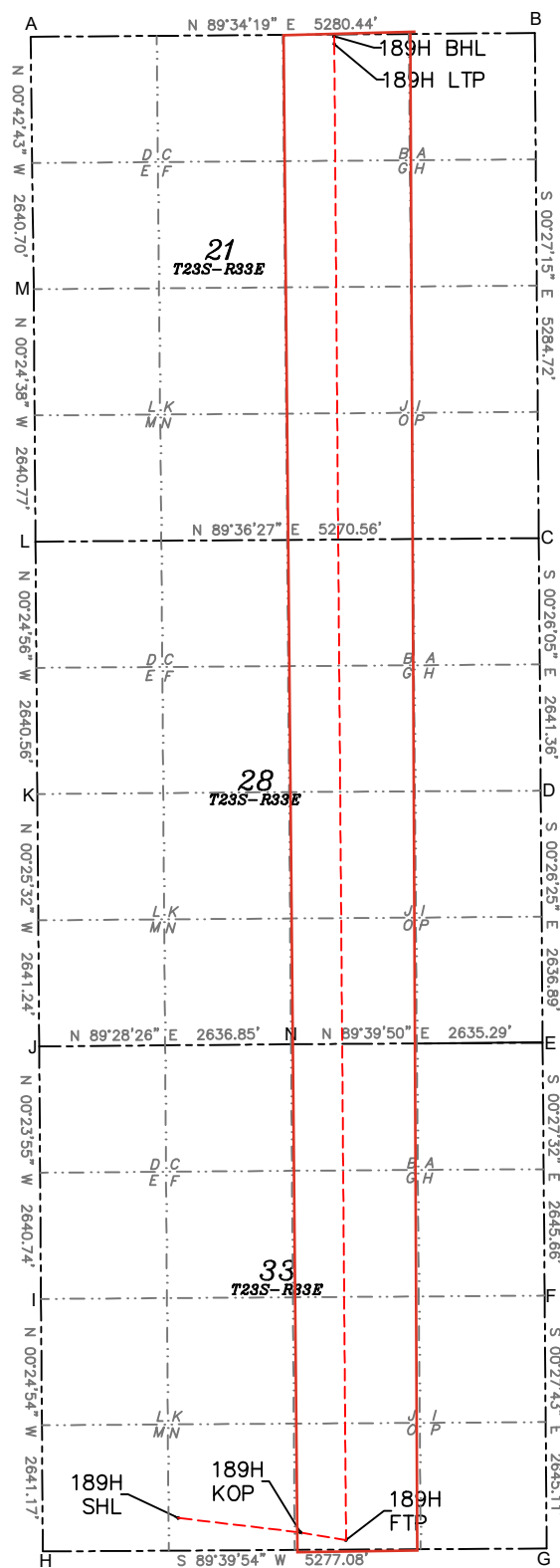
Certificate Number 23261 Date of Survey 04/2024

ACREAGE DEDICATION PLATS

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PRELIMINARY



SURFACE HOLE LOCATION
 GEODETIC COORDINATES NAD 83
 NMSP EAST SURFACE LOCATION
 342' FSL 1419' FWL SECTION 33
 0' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:457262.77/E:773842.00
 LAT:32.254852/LON:103.581211

KICK OFF POINT
 183' FSL 2577' FEL SECTION 33
 12,839' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:457111.39/E:775123.48
 LAT:32.254411/LON:103.577070

FIRST TAKE POINT
 100' FSL 2100' FEL SECTION 33
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:457031.16/E:775601.28
 LAT:32.254181/LON:103.575526

LAST TAKE POINT
 100' FNL 2100' FEL SECTION 21
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:472681.00/E:775478.20
 LAT:32.297199/LON:103.575567

BOTTOM HOLE LOCATION
 20' FNL 2100' FEL SECTION 21
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:472761.00/E:775477.57
 LAT:32.297419/LON:103.575567

CORNER COORDINATES
 NAD 83, SPCS NM EAST
 A=N:472757.23 E:772297.06
 B=N:472796.69 E:777577.35
 C=N:467512.14 E:777619.23
 D=N:464870.85 E:777639.28
 E=N:462234.04 E:777659.54
 F=N:459588.46 E:777680.74
 G=N:456943.44 E:777702.06
 H=N:456912.59 E:772425.07
 I=N:459553.70 E:772405.93
 J=N:462194.37 E:772387.55
 K=N:464835.54 E:772367.94
 L=N:467476.03 E:772348.79
 M=N:470116.73 E:772329.87
 N=N:462218.58 E:775024.30

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July, 2024	
			Submittal Type:	☐ Initial Submittal
				☐ Amended Report
		☒ As Drilled		

WELL LOCATION INFORMATION

API Number 30-025-53256	Pool Code [96689]	Pool Name BRINNINSTOOL;WOLFCAMP, WEST
Property Code 30884	Property Name THISTLE UNIT	Well Number 190H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Ground Level Elevation 3654.1'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	33	23-S	33-E		150' S	1761' E	32.254317	103.574429	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	21	23-S	33-E		20' N	1240' E	32.297420	103.572784	LEA

Dedicated Acres 480	Infill or Defining Well Defining	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code U
Order Numbers NMNM88526B			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	33	23-S	33-E		21' S	1266' E	32.253962	103.572827	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	33	23-S	33-E		100' S	1240' E	32.254178	103.572744	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	21	23-S	33-E		100' N	1240' E	32.297200	103.572784	LEA

Spacing Unit Type		Horizontal	Vertical	Ground Floor Elevation:
		HZ		

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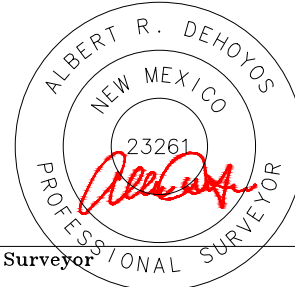
Signature  Date 3/21/2025

Printed Name
Rebecca Deal, Regulatory Analyst

Email Address
rebecca.deal@dmn.com

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Signature and Seal of Professional Surveyor

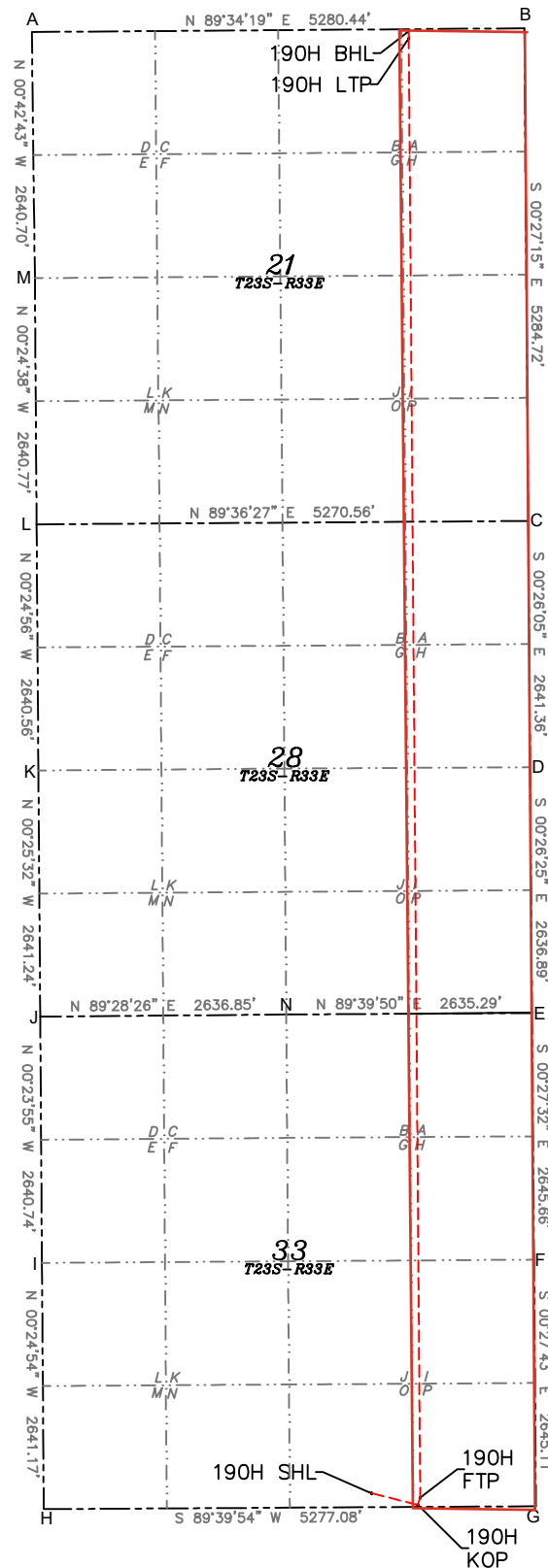
Certificate Number 23261 Date of Survey 04/2024

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PRELIMINARY



SURFACE HOLE LOCATION
 GEODETIC COORDINATES NAD 83
 NMSP EAST SURFACE LOCATION
 150' FSL 1761' FEL SECTION 33
 0' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:457083.14/E:775940.01
 LAT:32.254317/LON:103.574429

KICK OFF POINT
 21' FSL 1266' FEL SECTION 33
 12,673' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:456957.42/E:776436.16
 LAT:32.253962/LON:103.572827

FIRST TAKE POINT
 100' FSL 1240' FEL SECTION 33
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:457036.19/E:776461.27
 LAT:32.254178/LON:103.572744

LAST TAKE POINT
 100' FNL 1240' FEL SECTION 21
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:472687.43/E:776338.18
 LAT:32.297200/LON:103.572784

BOTTOM HOLE LOCATION
 20' FNL 1240' FEL SECTION 21
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:472767.43/E:776337.54
 LAT:32.297420/LON:103.572784

CORNER COORDINATES
 NAD 83, SPCS NM EAST
 A=N:472757.23 E:772297.06
 B=N:472796.69 E:777577.35
 C=N:467512.14 E:777619.23
 D=N:464870.85 E:777639.28
 E=N:462234.04 E:777659.54
 F=N:459588.46 E:777680.74
 G=N:456943.44 E:777702.06
 H=N:456912.59 E:772425.07
 I=N:459553.70 E:772405.93
 J=N:462194.37 E:772387.55
 K=N:464835.54 E:772367.94
 L=N:467476.03 E:772348.79
 M=N:470116.73 E:772329.87
 N=N:462218.58 E:775024.30

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July, 2024	
			Submittal Type:	☐ Initial Submittal
				☐ Amended Report
		☒ As Drilled		

WELL LOCATION INFORMATION

API Number 30-025-53257	Pool Code [96689]	Pool Name BRINNINSTOOL;WOLFCAMP, WEST
Property Code 30884	Property Name THISTLE UNIT	Well Number 191H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Ground Level Elevation 3654.0'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	33	23-S	33-E		150' S	1731' E	32.254317	103.574332	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	21	23-S	33-E		20' N	380' E	32.297421	103.570001	LEA

Dedicated Acres 480	Infill or Defining Well Infill	Defining Well API 30-025-53256	Overlapping Spacing Unit (Y/N) N	Consolidation Code U
Order Numbers NMNM88526B			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	33	23-S	33-E		31' S	355' E	32.254051	103.569882	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	33	23-S	33-E		100' S	380' E	32.254175	103.569962	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	21	23-S	33-E		100' N	380' E	32.297201	103.570000	LEA

Spacing Unit Type		Horizontal	Vertical	Ground Floor Elevation:
HZ				

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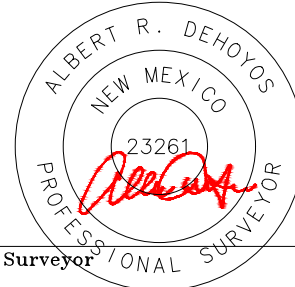
Signature  Date 3/21/2025

Printed Name
Rebecca Deal, Regulatory Analyst

Email Address
rebecca.deal@dv.com

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Signature and Seal of Professional Surveyor

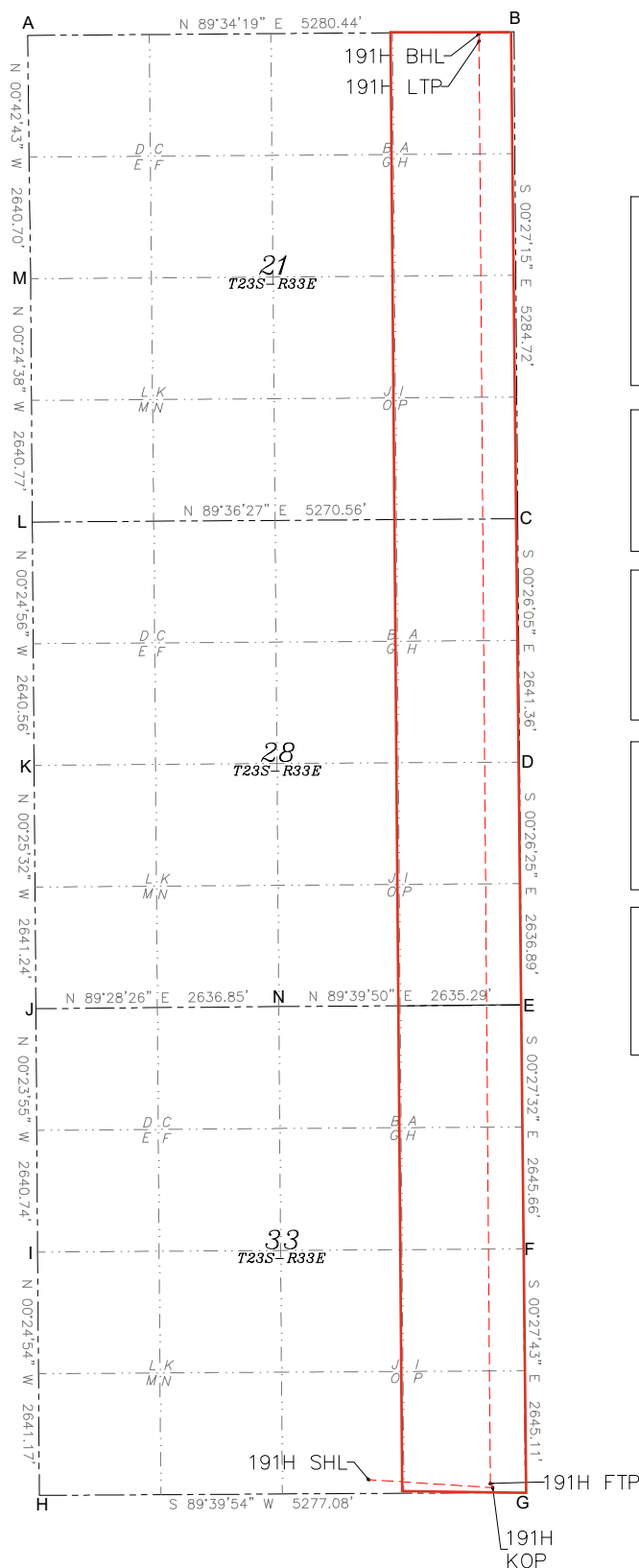
Certificate Number 23261 Date of Survey 04/2024

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 NMSP EAST SURFACE LOCATION
 150' FSL 1731' FEL SECTION 33
 0' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:457083.32/E:775970.01
 LAT:32.254317/LON:103.574332

KICK OFF POINT
 31' FSL 355' FEL SECTION 33
 12,823' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:456996.24/E:777346.50
 LAT:32.254051/LON:103.569882

FIRST TAKE POINT
 100' FSL 380' FEL SECTION 33
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:457041.22/E:777321.26
 LAT:32.254175/LON:103.569962

LAST TAKE POINT
 100' FNL 380' FEL SECTION 21
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:472693.86/E:777198.15
 LAT:32.297201/LON:103.570000

BOTTOM HOLE LOCATION
 20' FNL 380' FEL SECTION 21
 MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 N:472773.85/E:777197.52
 LAT:32.297421/LON:103.570001

CORNER COORDINATES
 NAD 83, SPCS NM EAST
 A=N:472757.23 E:772297.06
 B=N:472796.69 E:777577.35
 C=N:467512.14 E:777619.23
 D=N:464870.85 E:777639.28
 E=N:462234.04 E:777659.54
 F=N:459588.46 E:777680.74
 G=N:456943.44 E:777702.06
 H=N:456912.59 E:772425.07
 I=N:459553.70 E:772405.93
 J=N:462194.37 E:772387.55
 K=N:464835.54 E:772367.94
 L=N:467476.03 E:772348.79
 M=N:470116.73 E:772329.87
 N=N:462218.58 E:775024.30

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-43432	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code	⁵ Property Name THISTLE UNIT	⁶ Well Number 7H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3650.5

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	33	23 S	33 E		124	SOUTH	883	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	28	23 S	33 E		2632	NORTH	392	EAST	LEA

¹² Dedicated Acres 240	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.

NW CORNER SEC. 28 LAT. = 32.2829532°N LONG. = 103.5858118°W NMSP EAST (FT) N = 467476.07 E = 772348.66 W/4 CORNER SEC. 28 LAT. = 32.2756952°N LONG. = 103.5858099°W NMSP EAST (FT) N = 464835.64 E = 772367.62 SECTION CORNER LAT. = 32.2684591°N LONG. = 103.5858093°W NMSP EAST (FT) N = 462203.15 E = 772386.14 W/4 CORNER SEC. 33 LAT. = 32.2611767°N LONG. = 103.5858055°W NMSP EAST (FT) N = 459553.86 E = 772405.77 SW CORNER SEC. 33 LAT. = 32.2539176°N LONG. = 103.5858020°W NMSP EAST (FT) N = 456913.03 E = 772425.25	N/4 CORNER SEC. 28 LAT. = 32.2829531°N LONG. = 103.5772866°W NMSP EAST (FT) N = 467494.48 E = 774983.29 BOTTOM OF HOLE LAT. = 32.2757175°N LONG. = 103.5700210°W NMSP EAST (FT) N = 464878.09 E = 777247.41 LAST TAKE POINT 2509' FSL, 392' FEL LAT. = 32.2753385°N LONG. = 103.5700209°W QUARTER CORNER LAT. = 32.2684508°N LONG. = 103.5772748°W NMSP EAST (FT) N = 462218.61 E = 775024.12 KICK OFF POINT FIRST TAKE POINT 70' FSL, 453' FEL LAT. = 32.2540962°N LONG. = 103.5702056°W THISTLE UNIT 7H ELEV. = 3650.5' (NAD83) LAT. = 32.2542456°N LONG. = 103.5715966°W NMSP EAST (FT) N = 457063.23 E = 776815.89 S/4 CORNER SEC. 33 LAT. = 32.2539073°N LONG. = 103.5772780°W NMSP EAST (FT) N = 456927.75 E = 775060.40 SURFACE LOCATION LAT. = 32.2757175°N LONG. = 103.5700210°W NMSP EAST (FT) N = 464878.09 E = 777247.41	NE CORNER SEC. 28 LAT. = 32.2829508°N LONG. = 103.5687577°W NMSP EAST (FT) N = 467512.36 E = 777619.12 E/4 CORNER SEC. 28 LAT. = 32.2756899°N LONG. = 103.5687542°W NMSP EAST (FT) N = 464870.84 E = 777639.03 SECTION CORNER LAT. = 32.2684420°N LONG. = 103.5687493°W NMSP EAST (FT) N = 462234.08 E = 777659.34 E/4 CORNER SEC. 33 LAT. = 32.2611700°N LONG. = 103.5687420°W NMSP EAST (FT) N = 459588.56 E = 777680.44 SE CORNER SEC. 33 LAT. = 32.2539037°N LONG. = 103.5687408°W NMSP EAST (FT) N = 456945.13 E = 777699.63	¹⁷ 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 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>Rebecca Deal</i> 10/31/2019 Signature Date Rebecca Deal, Regulatory Analyst Printed Name rebecca.deal@dmn.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. JANUARY 23, 2019 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor Certificate Number: 12797 SURVEY NO. 4721C
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Intent ☐ As Drilled ☒

API # 30-025-43432		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 7H

Kick Off Point (KOP)

UL P	Section 33	Township 23S	Range 33E	Lot	Feet 70	From N/S SOUTH	Feet 453	From E/W EAST	County LEA
Latitude 32.2540962					Longitude 103.5702056				NAD 83

First Take Point (FTP)

UL P	Section 33	Township 23S	Range 33E	Lot	Feet 495	From N/S SOUTH	Feet 436	From E/W EAST	County LEA
Latitude 32.2552643					Longitude 103.5701496				NAD 83

Last Take Point (LTP)

UL I	Section 28	Township 23S	Range 33E	Lot	Feet 2509	From N/S SOUTH	Feet 392	From E/W EAST	County LEA
Latitude 32.2753385					Longitude 103.5700209				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-43685	² Pool Code 96689	³ Pool Name BRINNINSTOOL;WOLFCAMP, WEST
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 155H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3653.2

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	33	23 S	33 E		150	SOUTH	1889	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	28	23 S	33 E		21	NORTH	2014	WEST	LEA

¹² Dedicated Acres 320	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.

	¹⁷ 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 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. <u>Rebecca Deal</u> 10/7/2019 Signature Date Rebecca Deal, Regulatory Analyst Printed Name rebecca.deal@dmn.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. JANUARY 3, 2019 Date of Survey <u>[Signature]</u> Signature and Seal of Professional Surveyor Certificate Number: 12797 PLS 12797 SURVEY NO. 4715A
--	--

Intent ☐ As Drilled ☒

API # 30-025-43658		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 155H

Kick Off Point (KOP)

UL N	Section 33	Township 23S	Range 33E	Lot	Feet 46	From N/S SOUTH	Feet 1972	From E/W WEST	County LEA
Latitude 32.2540357					Longitude 103.5794261			NAD 83	

First Take Point (FTP)

UL N	Section 33	Township 23S	Range 33E	Lot	Feet 478	From N/S SOUTH	Feet 1983	From E/W WEST	County LEA
Latitude 32.2552249					Longitude 103.5793885			NAD 83	

Last Take Point (LTP)

UL C	Section 28	Township 23S	Range 33E	Lot	Feet 193	From N/S NORTH	Feet 2028	From E/W WEST	County LEA
Latitude 32.2824225					Longitude 103.5792517			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-43599	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code	⁵ Property Name THISTLE UNIT	⁶ Well Number 156H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3650.7

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	33	23 S	33 E		124	SOUTH	933	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	23 S	33 E		130	NORTH	1346	EAST	LEA

¹² Dedicated Acres 480	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.

	¹⁷ 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 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>Rebecca Deal</i> 10/29/2019 Signature Date Rebecca Deal, Regulatory Analyst Printed Name rebecca.deal@dvn.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. FEBRUARY 18, 2019 Date of Survey <i>William F. Jaramillo</i> Signature and Seal of Professional Surveyor Certificate Number: 12797 NO.4716B
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Intent ☐ As Drilled ☒

API # 30-025-43599		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 156H

Kick Off Point (KOP)

UL O	Section 33	Township 23S	Range 33E	Lot	Feet 68	From N/S SOUTH	Feet 1456	From E/W EAST	County LEA
Latitude 32.2540930					Longitude 103.5734501				NAD 83

First Take Point (FTP)

UL O	Section 33	Township 23S	Range 33E	Lot	Feet 399	From N/S SOUTH	Feet 1440	From E/W EAST	County LEA
Latitude 32.2550021					Longitude 103.5733972				NAD 83

Last Take Point (LTP)

UL B	Section 21	Township 23S	Range 33E	Lot	Feet 266	From N/S NORTH	Feet 1346	From E/W EAST	County LEA
Latitude 32.2967487					Longitude 103.5731150				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
March 21, 2025
and ending with the issue dated
March 21, 2025.

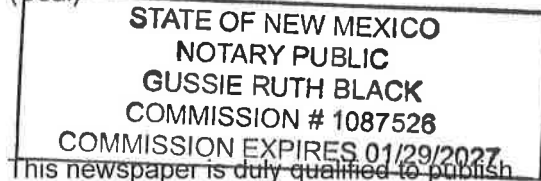

Publisher

Sworn and subscribed to before me this
21st day of March 2025.


Business Manager

My commission expires
January 29, 2027

(Seal)



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL NOTICE March 21, 2025

Notice of Application for Surface Commingling. Devon Energy Production Company, L.P. located at 333 West Sheridan Ave. Oklahoma City, OK 73102 is applying to the NMOCD for a surface commingling of the oil/gas production at the Thistle Unit 33 CTB 1 battery. The facilities and wells going to the battery are located in Lea County in the SW/4 SE/4 & SE/4 SE/4 of Section 33-23S-33E. Production is from the TRIPLE X; BONE SPRING and BRINNINSTOOL; WOLFCAMP, WEST pools.

Pursuant to Statewide Rule 19.15.12.10, interested parties must file objections or requests for hearing in writing with the division's Santa Fe office within 20 days after publication, or the NMOCD may approve the application.

For questions pertaining to the application, please contact Devon Energy Production Company, L.P. (405) 235-3611 #00299338

67106744

00299338

ACCOUNTS PAYABLE - LEGALS
DEVON ENERGY LEGALS
PO BOX 3198
OKLAHOMA CITY, OK 73102-3198



Devon Energy Production Company, L.P.
333 W. Sheridan Avenue
Oklahoma City, Oklahoma 73102
Phone: (405) 228-4800

March 12th, 2025

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: Central Tank Battery: THISTLE UNIT 33 CTB 1

Sec.-T-R: 33-23S-33E

Wells: Multiple Thistle Unit Wells - See Attached

Agreements: Thistle Unit: NMNM088526X, Approved Wolfcamp PA: NMNM88526B, Approved Bone Spring PA: NMNM88526C

Lease NMNM94186, V027971

Pool: [59900] TRIPLE X;BONE SPRING, [96689] BRINNINSTOOL;WOLFCAMP, WEST

County: Lea Co., New Mexico

Interest Owners:

This letter is to advise that Devon Energy Production Company, L.P. is filing an application with the New Mexico Oil Conservation Division (NMOCD) seeking approval for a Central Tank Battery for the above-mentioned wells. A copy of the submitted application is attached.

Any objections or requests that a hearing should be held regarding this application must be submitted to the New Mexico Oil Conservation Division Santa Fe office within 20 days from the date of this letter.

Subsequently drilled wells that produce from the subject pools within the project areas approved by this order may be added to this commingling authority by submittal of a Sundry Notice to the Engineering Bureau in Santa Fe.

Please contact Devon Energy Production Company, L.P. at (405) 235-3611 with any questions or needs.

Sincerely,

Devon Energy Production Company, L.P.

A handwritten signature in blue ink that reads "Rebecca Deal". The signature is written in a cursive, flowing style.

Rebecca Deal
Regulatory Compliance Professional
Enclosure

Operator/Owner		Contact			Zip Code	Tracking Number
CHIEF CAPITAL O&G II LLC		8111 WESTCHESTER STE 900	DALLAS	TX	75225	9414814901527181442498
COMMUNITY MINERALS LLC		2925 RICHMOND AVE STE 1200	HOUSTON	TX	77098	9414814901527181442504
CONOCOPHILLIPS COMPANY		22295 NETWORK PL	CHICAGO	IL	60673-1222	9414814901527181442511
DEVON ENERGY PROD CO LP		333 W SHERIDAN AVE	OKLAHOMA CITY	OK	73102-5015	Self Notified
DURANGO PRODUCTION CORPORATION		PO BOX 4848	WICHITA FALLS	TX	76308	9414814901527181442528
ELLIPSIS OIL AND GAS INC		3500 MAPLE AVE STE 1080	DALLAS	TX	75219	9414814901527181442535
FORAN OIL COMPANY		5400 LYNDON B JOHNSON FWY	DALLAS	TX	75240	9414814901527181442542
MAGNUM HUNTER PRODUCTION II	774031	840 GESSNER	HOUSTON	TX	77024	9414814901527181442559
NHPP II FORTUNA PERMIAN LP		1106 WITTE RD STE 400	HOUSTON	TX	77055	9414814901527181442566
ONRR	ROYALTY MANAGEMENT PROGRAM	PO BOX 25627	DENVER	CO	80225-0627	9414814901527181442573
PONTEM ENERGY PARTNERS I LP		9001 AIRPORT FWY STE 825	NORTH RICHLAND HILLS	TX	76180	9414814901527181442580
PONTEM INVESTMENT MANAGER I LLC		3771 ROBINHOOD ST	HOUSTON	TX	77005	9414814901527181442597
SALTY ROCK RESOURCES		9001 AIRPORT FREEWAY STE 825	NORTH RICHLAND HILLS	TX	76180	9414814901527181442603
SBOG LLC		PO BOX 2099	GRANDBURY	TX	76048	9414814901527181442610
STATE OF NEW MEXICO	COMMISSION OF PUBLIC LANDS	PO BOX 1148	SANTA FE	NM	87504-1148	9414814901527181442627
TRAINER PARTNERS LTD		2925 RICHMOND AVE STE 1200	HOUSTON	TX	77098	9414814901527181442634
WATER BULL LLC		9337 KATY FWY	HOUSTON	TX	77024	9414814901527181442641

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
THISTLE UNIT	157H	3002543728	NMNM94186	NMNM88526C	DEVON
THISTLE UNIT	159H	3002543659	NMNM94186	NMNM88526C	DEVON
THISTLE UNIT	186H	3002552076	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	152H	3002543588	NMNM94186	NMNM88526C	DEVON
THISTLE UNIT	187H	3002553253	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	188H	3002553254	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	191H	3002553257	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	156H	3002543599	NMNM94186	NMNM88526C	DEVON
THISTLE UNIT	153H	3002543589	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	7H	3002543432	NMNM94186	NMNM88526C	DEVON
THISTLE UNIT	189H	3002553255	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	190H	3002553256	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	155H	3002543658	NMNM94186	NMNM88526B	DEVON

Notice of Intent

Sundry ID: 2842056

Type of Submission: Notice of Intent

Type of Action: Commingling (Surface)

Date Sundry Submitted:

Time Sundry Submitted:

Date proposed operation will begin: 03/17/2025

Procedure Description: Per 43 CFR 3173.14 (a)(1)(i-iv) - (iii) Federal unit PA or CA where each unit PA or CA proposed for commingling has the same proportion of Federal interest, and which interest is subject to the same fixed royalty rate and revenue distribution, Devon Energy Production Company, LP is requesting approval for a Pool/Lease Commingle for the wells producing to the THISTLE UNIT 33 CTB 1. Please see attached application and supporting documentation.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Thistle_Unit_33_CTB_1_Submitted_Commingle_Application_20250317113248.pdf

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: REBECCA DEAL**Signed on:** MAR 17, 2025 11:33 AM**Name:** DEVON ENERGY PRODUCTION COMPANY LP**Title:** Regulatory Professional**Street Address:** 333 W SHERIDAN AVE**City:** OKLAHOMA CITY**State:** OK**Phone:** (405) 228-8429**Email address:** REBECCA.DEAL@DVN.COM**Field****Representative Name:****Street Address:****City:****State:****Zip:****Phone:****Email address:**

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Delivered, PO Box
CHICAGO, IL 60680
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Latest Update

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What Do USPS Tracking Statuses Mean?

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Product Information



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Your item was picked up at a postal facility at 9:15 am on March 27, 2025 in DENVER, CO 80225.

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Delivered, Individual Picked Up at Postal Facility

DENVER, CO 80225
March 27, 2025 9:15 AM

See All Tracking History

What Do USPS Tracking Statuses Mean?

Text & Email Updates



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USPS Tracking Plus®



Product Information



See Less ^

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Tracking Number:

9414814901527181442580

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Latest Update

Your item has been delivered to the original sender at 10:36 am on April 8, 2025 in AUSTIN, TX 78759.

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April 8, 2025 10:36 AM

See All Tracking History

What Do USPS Tracking Statuses Mean?

Text & Email Updates	▼
Return Receipt Electronic	▼
USPS Tracking Plus®	▼
Product Information	▼

See Less ^

Tracking Number:

Remove X

9414814901527181442597

Copy Add to Informed Delivery

Latest Update

Your item was delivered to an individual at the address at 5:45 pm on March 27, 2025 in HOUSTON, TX 77005.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

HOUSTON, TX 77005
March 27, 2025 5:45 PM

See All Tracking History

What Do USPS Tracking Statuses Mean?

Text & Email Updates



Return Receipt Electronic



USPS Tracking Plus®



Product Information



See Less ^

Tracking Number:

Remove X

9414814901527181442603

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Latest Update

Your item has been delivered to the original sender at 12:09 pm on April 8, 2025 in NORTH RICHLAND HILLS, TX 76182.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, To Original Sender

NORTH RICHLAND HILLS, TX 76182

April 8, 2025 12:09 PM

See All Tracking History

What Do USPS Tracking Statuses Mean?

Text & Email Updates	▼
Return Receipt Electronic	▼
USPS Tracking Plus®	▼
Product Information	▼

See Less ^

Tracking Number:

Remove X

9414814901527181442610

Copy

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Latest Update

Your item was picked up at the post office at 11:57 am on March 26, 2025 in GRANBURY, TX 76048.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Individual Picked Up at Post Office
GRANBURY, TX 76048
March 26, 2025 11:57 AM

See All Tracking History

What Do USPS Tracking Statuses Mean?

Text & Email Updates	▼
Return Receipt Electronic	▼
USPS Tracking Plus®	▼
Product Information	▼

See Less ^

Tracking Number:

Remove X

9414814901527181442627

Copy Add to Informed Delivery

Latest Update

Your item was picked up at a postal facility at 8:06 am on March 28, 2025 in SANTA FE, NM 87501.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Individual Picked Up at Postal Facility
SANTA FE, NM 87501
March 28, 2025 8:06 AM

See All Tracking History

What Do USPS Tracking Statuses Mean?

Text & Email Updates	▼
Return Receipt Electronic	▼
USPS Tracking Plus®	▼
Product Information	▼
See Less ^	

Tracking Number: Remove X

9414814901527181442634

Copy

Add to Informed Delivery

Latest Update

Your item was delivered to the front desk, reception area, or mail room at 12:49 pm on March 27, 2025 in HOUSTON, TX 77098.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Front Desk/Reception/Mail Room

HOUSTON, TX 77098
March 27, 2025 12:49 PM

See All Tracking History

What Do USPS Tracking Statuses Mean?

Text & Email Updates	▼
Return Receipt Electronic	▼

USPS Tracking Plus®



Product Information



See Less ^

Tracking Number:

Remove X

9414814901527181442641

Copy Add to Informed Delivery

Latest Update

Your item arrived at our NORTH HOUSTON TX DISTRIBUTION CENTER destination facility on April 1, 2025 at 12:57 pm. The item is currently in transit to the destination.

Get More Out of USPS Tracking:

USPS Tracking Plus®

On the Way

Arrived at USPS Facility

NORTH HOUSTON TX DISTRIBUTION CENTER
April 1, 2025 12:57 PM

Forward Expired

HOUSTON, TX 77024
March 31, 2025 9:14 AM

See All Tracking History

What Do USPS Tracking Statuses Mean?

Text & Email Updates



Return Receipt Electronic



USPS Tracking Plus®



Product Information



See Less ^

Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

FAQs

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
THISTLE UNIT	7H	3002543432	NMNM94186	NMNM88526C	DEVON
THISTLE UNIT	159H	3002543659	NMNM94186	NMNM88526C	DEVON
THISTLE UNIT	152H	3002543588	NMNM94186	NMNM88526C	DEVON
THISTLE UNIT	157H	3002543728	NMNM94186	NMNM88526C	DEVON
THISTLE UNIT	153H	3002543589	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	155H	3002543658	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	156H	3002543599	NMNM94186	NMNM88526C	DEVON
THISTLE UNIT	186H	3002552076	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	187H	3002553253	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	188H	3002553254	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	189H	3002553255	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	191H	3002553257	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	190H	3002553256	NMNM94186	NMNM88526B	DEVON

Notice of Intent

Sundry ID: 2842056

Type of Submission: Notice of Intent

Type of Action: Commingling (Surface)

Date Sundry Submitted: 03/17/2025

Time Sundry Submitted: 11:35

Date proposed operation will begin: 03/17/2025

Procedure Description: Per 43 CFR 3173.14 (a)(1)(i-iv) - (iii) Federal unit PA or CA where each unit PA or CA proposed for commingling has the same proportion of Federal interest, and which interest is subject to the same fixed royalty rate and revenue distribution, Devon Energy Production Company, LP is requesting approval for a Pool/Lease Commingle for the wells producing to the THISTLE UNIT 33 CTB 1. Please see attached application and supporting documentation.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Thistle_Unit_33_CTB_1_Submitted_Commingling_Application_20250317113248.pdf

Conditions of Approval**Specialist Review**

Surface_Commingling_COA_20250415210046.pdf

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: REBECCA DEAL**Signed on:** MAR 17, 2025 11:33 AM**Name:** DEVON ENERGY PRODUCTION COMPANY LP**Title:** Regulatory Professional**Street Address:** 333 W SHERIDAN AVE**City:** OKLAHOMA CITY **State:** OK**Phone:** (405) 228-8429**Email address:** REBECCA.DEAL@DVN.COM**Field****Representative Name:****Street Address:****City:****State:****Zip:****Phone:****Email address:****BLM Point of Contact****BLM POC Name:** JONATHON W SHEPARD**BLM POC Title:** Petroleum Engineer**BLM POC Phone:** 5752345972**BLM POC Email Address:** jshepard@blm.gov**Disposition:** Approved**Disposition Date:** 04/15/2025**Signature:** Jonathon Shepard

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

MULTIPLE

6. If Indian, Allottee or Tribe Name

MULTIPLE

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

7. If Unit of CA/Agreement, Name and/or No.

MULTIPLE

8. Well Name and No.

MULTIPLE

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY LP

9. API Well No.

MULTIPLE

3a. Address 333 WEST SHERIDAN AVE, OKLAHOMA CITY,

3b. Phone No. (include area code)
(405) 235-3611

10. Field and Pool or Exploratory Area

MULTIPLE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

MULTIPLE

11. Country or Parish, State

MULTIPLE

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

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

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

Per 43 CFR 3173.14 (a)(1)(i-iv) - (iii) Federal unit PA or CA where each unit PA or CA proposed for commingling has the same proportion of Federal interest, and which interest is subject to the same fixed royalty rate and revenue distribution, Devon Energy Production Company, LP is requesting approval for a Pool/Lease Commingle for the wells producing to the THISTLE UNIT 33 CTB 1. Please see attached application and supporting documentation.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

REBECCA DEAL / Ph: (405) 228-8429

Regulatory Professional

Title

Signature (Electronic Submission)

Date

03/17/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

JONATHON W SHEPARD / Ph: (575) 234-5972 / Approved

Petroleum Engineer

Title

04/16/2025

Date

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

Office CARLSBAD

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.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Batch Well Data

THISTLE UNIT 156H, US Well Number: 3002543599, Case Number: NMNM88526C, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

THISTLE UNIT 155H, US Well Number: 3002543658, Case Number: NMNM88526B, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

THISTLE UNIT 157H, US Well Number: 3002543728, Case Number: NMNM88526C, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

THISTLE UNIT 152H, US Well Number: 3002543588, Case Number: NMNM88526C, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

THISTLE UNIT 159H, US Well Number: 3002543659, Case Number: NMNM88526C, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

THISTLE UNIT 153H, US Well Number: 3002543589, Case Number: NMNM88526B, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

THISTLE UNIT 7H, US Well Number: 3002543432, Case Number: NMNM88526C, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

THISTLE UNIT 186H, US Well Number: 3002552076, Case Number: NMNM88526B, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

THISTLE UNIT 187H, US Well Number: 3002553253, Case Number: NMNM88526B, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

THISTLE UNIT 188H, US Well Number: 3002553254, Case Number: NMNM88526B, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

THISTLE UNIT 189H, US Well Number: 3002553255, Case Number: NMNM88526B, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

THISTLE UNIT 190H, US Well Number: 3002553256, Case Number: NMNM88526B, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

THISTLE UNIT 191H, US Well Number: 3002553257, Case Number: NMNM88526B, Lease Number: NMNM94186,
Operator:DEVON ENERGY PRODUCTION COMPANY LP

APPLICATION FOR COMMINGLING AT CENTRAL TANK BATTERY

Per 43 CFR 3173.14 (a)(1)(i-iv) - (iii) Federal unit PA or CA where each unit PA or CA proposed for commingling has the same proportion of Federal interest, and which interest is subject to the same fixed royalty rate and revenue distribution.

Proposal for THISTLE UNIT 33 CTB 1

Devon Energy Production Company, LP is requesting approval for a Pool/Lease Commingle for the following wells:

Thistle Unit – NMNM088526X. Approved Wolfcamp PA: NMNM88526B			
Well Name	API	Location	Pool
THISTLE UNIT 186H	30-025-52076	M-33-23S-33E - 20 FNL & 480 FWL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 153H	30-025-43589	M-33-23S-33E - 340 FSL & 1200 FWL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 155H	30-025-43658	O-33-23S-33E - 150 FSL & 1889 FEL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 187H	30-025-53253	N-33-23S-33E - 341 FSL & 1329 FWL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 188H	30-025-53254	N-33-23S-33E - 342 FSL & 1389 FWL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 189H	30-025-53255	N-33-23S-33E - 342 FSL & 1419 FWL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 190H	30-025-53256	O-33-23S-33E - 150 FSL & 1761 FEL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
THISTLE UNIT 191H	30-025-53257	O-33-23S-33E - 150 FSL & 1731 FEL	[96689] BRINNINSTOOL;WOLFCAMP, WEST
Thistle Unit – NMNM088526X. Approved Bone Spring PA: NMNM88526C			
Well Name	API	Location	Pool
THISTLE UNIT 7H	30-025-43432	P-33-23S-33E - 124 FSL & 883 FEL	[59900] TRIPLE X;BONE SPRING
THISTLE UNIT 152H	30-025-43588	M-33-23S-33E 340 FSL & 1230 FWL	[59900] TRIPLE X;BONE SPRING
THISTLE UNIT 156H	30-025-43599	P-33-23S-33E - 124 FSL & 933 FEL	[59900] TRIPLE X;BONE SPRING
THISTLE UNIT 157H	30-025-43728	M-33-23S-33E - 340 FSL & 1280 FWL	[59900] TRIPLE X;BONE SPRING
THISTLE UNIT 159H	30-025-43659	O-33-23S-33E - 150 FSL & 1839 FEL	[59900] TRIPLE X;BONE SPRING

Attached is the approved Federal PA allocation method.

Participating Agreement – NMNM088526B - Wolfcamp Formation – 3520acs, covering Township 23 South - Range 33 East, All of Section 21, 22, 27, 28, 33, 34 & E/2 Section 21. See attached Allocation Method spreadsheet for lease breakdown.

Participating Agreement - NMNM088526C – Bone Spring Formation – 3520acs, covering Township 23 South - Range 33 East, All of Section 21, 22, 27, 28, 33, 34 & E/2 Section 21. See attached Allocation Method spreadsheet for lease breakdown.

Oil & Gas metering:

The Thistle Unit 33 CTB 1 central tank battery is in SW/4 SE/4 & SE/4 SE/4, S33, T23S, R33E in Lea County, New Mexico.

Each well flows to its own 3-Phase Separator where the full well stream is separated into independent gas, oil, and water streams. The THISTLE UNIT 190H, THISTLE UNIT 191H, THISTLE UNIT 187H, THISTLE UNIT 188H, THISTLE UNIT 189H flow from their wellhead to temporary air cooler(s) to cool the full well stream, then flow to their own 3-Phase.

3-Phase gas flows through an independent and designated orifice meter for rate allocation. The gas then flows into a manifold where it is combined with gas from other 3-Phases. The combined stream

flows into the 2-Phase Separator(s) for further conditioning. The conditioned gas stream flows through an orifice meter(s) for Federal Measurement Point/Sales/Royalty Payment.

3-Phase oil flows through an independent and designated Coriolis meter for rate allocation. The oil then flows into a manifold where it is combined with oil from other 3-Phases. The combined stream flows into the Heater Treater(s) and then ULPS(s) for further conditioning and then into one of the oil tanks for storage. The stored oil is pumped into a LACT unit for Federal Measurement Point/Sales/Royalty Payment.

Flash gas from oil conditioning is recovered using compression (VRU). The recovered gas flows through a designated orifice meter for rate allocation.

3-Phase water flows through an independent and designated magnetic meter for rate allocation. The water then flows into a manifold where it is combined with water from other 3-Phases. The combined stream flows into the Gun Barrel(s) for further conditioning and then into one of the water tanks for storage.

The central tank battery has three oil tanks and three water tanks that all wells utilize. All wells have one common gas delivery point(s) on location and one common oil delivery point(s) (LACT) on or directly adjacent to location.

Secondary recovery will utilize recycled or buyback gas for gas lift. The gas is compressed and flows through and individual orifice meter to each wellhead.

Well Name	Individual Meters		
	Gas Allocation	Oil Allocation	Water Allocation
THISTLE UNIT 155H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 159H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 7H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 156H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 152H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 153H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 157H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 186H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 190H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 191H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 187H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 188H	DVN / *	DVN / *	DVN / *
THISTLE UNIT 189H	DVN / *	DVN / *	DVN / *
Common Meters			
VRU Allocation	DVN / *		
Gas FMP	DVN/TARGA / *		
Oil FMP	ENTERPRISE / *		

Meter Owner / Serial Number:

* Meter serial numbers to be provided after construction of facility.

The total of all oil sales meters will be allocated to each well based on the oil allocation meter located downstream of each well's 3-phase separator. Devon will continue to operate and maintain the Coriolis Meter per BLM applicable regulations, notwithstanding further guidance from the local BLM in regards to proving the Coriolis Meter to meet applicable BLM standards. The total of all gas sales meters will be allocated to each well based on the gas allocation meter located downstream of each well's 3-phase separator and the VRU allocation meter. The VRU allocation meter volumes will be allocated to each well based on the oil allocation meter of each well. The BLM and OCD will be notified of any future changes to the facilities.

Process and Flow Descriptions:

The flow of produced fluids is described above and shown in detail on the enclosed facility diagram, along with a description of each vessel and map which shows the lease boundaries, location of wells, facility, and gas sales meter.

The proposed commingling will maximize the ultimate recovery of oil and/or gas from the federal leases and will reduce environmental impacts by minimizing surface disturbance and emissions. The proposed commingling will reduce operating expenses, as well as, not adversely affect federal royalty income, production accountability, or the distribution of royalty.

Devon Energy Production Company, LP understands the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.

The proposed commingling is appropriate based on the BLM's guidance in IM NMPO 2013-02 & 43 CFR 3173.14. NMOCD Notice Variance Requested: Devon Energy Production Company, LP request approval to add new leases and pools and/or new wells producing from the authorized leases and pools. Devon Energy Production Company, LP request approval to only notice the interest owners of new leases and pools to be added via amendment (reference rule 19.15.12.10(C)(4)(g) NMAC)

Working, royalty, and overriding interest owners have been notified of this proposal via certified mail.

Date: 02/13/2020

Additional information:

1. The CAA will not negatively affect the royalty revenue of the federal government.
2. A list of all Federal or Indian lease, unit PA, or CA numbers in the proposed Commingling and Allocation Approval (CAA). Please reference page 1.
3. A proposed allocation agreement (including allocation of produced water) that includes: Information provided on Allocation Methodology Attachment.
 - a. An allocation methodology
 - b. An example of how the methodology is applied (multiple examples may be included to ensure clarity) Provided on Applied Allocation Spreadsheet Examples Attachment.
 - c. A statement that any allocation meters (non-FMPs) will meet either FMP regulations or API measurement standards:
 - i. Devon orifice meters installed and maintained for the allocation of gas measurement will meet the requirements set forth in API MPMS Chapter 20.1-2013 and API MPMS Chapter 20.2-2016 as applicable.

When applicable and as recommended in API MPMS 20.1 and 20.2, Devon orifice meters used for allocation measurement upstream of the FMP will meet API MPMS Chapter 14.3.2–2016 specification and installation standard requirements. All orifice plates used for allocation measurement will also meet the API MPMS Chapter 14.3.2–2016 standard for construction and condition. Any electronic flow meter (EFM) installed for allocation measurement will meet the requirements for measurement volume calculations provided in API MPMS Chapter 21.1-2013 Flow Measurement using Electronic Metering Systems – Electronic Gas Measurement. Gas quality determination for Devon allocation measurement will meet the requirements of API Chapter 14.1 and GPA 2166-2017.

Devon Coriolis meters installed and maintained for the allocation of oil measurement will meet the requirements set forth in API MPMS Chapter 20.1-2013 and API MPMS Chapter 20.2-2016 as applicable.

When applicable and as recommended in API MPMS 20.1 and 20.2, Devon will reference API MPMS Chapter 5.6-2013 for guidance when operating Coriolis meters installed for oil allocation measurement applications, temperature measurement will be in accordance with API MPMS Chapter 7, Devon will reference API MPMS Chapter 11.1-2012 for temperature and pressure volume correction factors when appropriate, Calculations of oil quantities will be determined per API MPMS Chapter 12.2.1-2014 as applicable.

- d. A copy of the agreement signed by each operator of each of the leases, unit PAs, or CAs from which production would be included in the CAA (if more than one operator is involved)
4. A topographic map of appropriate scale (multiple maps may be included to ensure clarity) that includes: Please see Lease Map

- a. The boundaries of all the leases, unit PAs, or CAs that are proposed for the CAA
 - b. The location of all existing or planned facilities
 - c. The location of all wells (including API numbers) that are in the proposed CAA
 - d. Any piping that will be included in the CAA
 - e. The location of all existing or proposed FMPs
5. A statement that all leases, unit PAs, or CAs in the proposed CAA are capable of production in paying quantities and documentation to prove the statement.
 - i. Completion Report will provide well test.
6. Gas analysis - not required operator is applying for a CAA under 3173.14(a)(1))
7. A statement on whether the location of the FMP is on lease or off lease.
 - a. On lease FMP: Location is considered to be on lease due to one of the producing leases/CA's/PA's included in the commingle application.
8. A statement on whether any new surface disturbance is included as part of the proposed CAA (proposed FMP, associated facilities, etc.). If new surface disturbance is part of the proposal, a surface disturbance sundry must be submitted with a surface use plan of operations.
 - a. There is not any additional surface disturbance for this location.
9. Any additional documentation that would be required under 3174.15 (f—i) relating to surface use or right of way grant applications
 - a. There are not any additional right of way grant applications for this location.

Allocation Methodology

PRORATED ALLOCATION

GAS ALLOCATION

Each well has a Wellhead Allocation (WH ALLOC) meter and a Gas Lift Injection (GL INJ) meter. The CTB has a commingled gas Meter (BATT ALLOC or 3rd Party Sales) that measures the volume of gas that leaves the CTB, this meter would be considered the FMP. Any Buy Back meter that measures off-lease gas coming on lease used for gas lift injection from the gathering line would be considered an FMP.

1. Buyback is the volume of off-lease gas used for gas lift, compression fuel, and well injection.
2. Net Well Production is base amount of production not used for gas lift and is calculated by subtracting gas lift injection (GL INJ) volume from the wellhead allocation (WH ALLOC) meter reading.
3. Lease use gas is allocated by theoretical % for each well * total amount of lease use volume.
4. Theoretical % used for the allocation of production/sales is calculated by dividing the Net Well Production volume for each well into the sum of the Net Well Production.
5. Net CTB Gas is Battery Allocation (BATT ALLOC) or 3rd Party Sales meter measuring commingled CTB gas less any Buy Back. All off lease Buy Back will be metered as an FMP and netted out of the BATT ALLOC FMP metered volume to derive both the Total Net FMP and total Net CTB production.
6. Theoretical % for each well is multiplied by the Net CTB Gas.
7. HP Flare is volume of gas flared from the CTB, allocated to wells by Theoretical % for each well * HP FL volume.
8. VRU measures the gas that flashes from the ultra-low-pressure separator (ULPS) and is piped in upstream of the commingled CTB BATT ALLOC meter. The VRU volume will be allocated based on the same allocation methodology applied for WH ALLOC allocated gas.
9. Allocated Production is all gas produced by CTB and is calculated by adding Total Net FMP Volumes+ HP Flare + Lease Use.

OIL ALLOCATION

Each well has an oil meter measuring the volume of oil produced by the well. This volume is used as the allocation point to prorate Allocated Production and Total Sales Volume (FMP) back to each well.

1. Allocated production is volume of oil produced by the CTB and is calculated by Ending Tank Inventory + Pipeline LACT (FMP) – Beginning Tank Inventory.
2. Available oil for sale is calculated by Pipeline LACT (FMP) + Beginning Tank Inventory.
3. Theoretical % is calculated by dividing each oil meter volume into the sum of oil meters.
4. The Theoretical % available for sale is the well sales available divided by the total available sales.
5. Total Sales Volume is the volume of oil sold through the FMP meter
6. Beginning Inventory comes from previous accounting period's Ending Inventory for each well.
7. Ending Inventory for each well is calculated by multiplying the theoretical production % by total ending inventory.

WATER ALLOCATION

Each well has a water meter measuring the volume of water produced by the well. This volume is used as the allocation point to prorate Allocated Production and Total Transferred Volume back to each well.

1. CTB Allocated production is volume of water produced by the CTB and is calculated by Ending Tank Inventory + Water Transfer – Beginning Tank Inventory.
2. CTB Available Water to Transfer is calculated by Water Transfer + Tank Inventory.
3. Theoretical % is calculated by dividing each water meter volume into the sum of the water meters.
4. The Theoretical % available for transfer for each well is the well production available divided the total Available water.
5. Total Transfer Volume is the volume of water metered by the water transfer meter.
6. Beginning Inventory comes from previous accounting period's allocated Ending Inventory for each well.
7. Ending Inventory for each well is calculated by multiplying the theoretical production % by total ending inventory.

Applied Allocation Spreadsheet Examples

ALLOCATION METHODOLOGY USED TO DETERMINE TOTAL NET CTB GAS VOLUME FOR CTB FOR ROYALTY PURPOSES									
Manually entered metered volumes from meter statement									
Allocated volumes for reporting OGOR									
Well Name	Gas WH ALLOC	GL INJ	Net Well Prod (WH-GLI)	Gas Theo % of Prod	Net CTB Gas (Total Net FMP)	Flare	Lease Use	Allocated Prod	
	1,795	1,220	575	0.052601847	576	8.36	4.16	588.72	
	1,826	1,162	664	0.060687969	665	9.65	4.79	679.22	
	1,976	1,458	518	0.047355831	519	7.53	3.74	530.01	
	1,641	1,250	391	0.035725745	391	5.68	2.82	399.84	
	2,524	2,100	424	0.038766953	425	6.16	3.06	433.88	
	1,746	1,254	491	0.044918842	492	7.14	3.55	502.73	
	1,783	1,221	563	0.051431800	563	8.18	4.06	575.62	
	1,574	1,211	363	0.033190033	364	5.28	2.62	371.46	
	1,259	986	273	0.024964053	273	3.97	1.97	279.40	
	988	788	200	0.018245423	200	2.90	1.44	204.20	
	1,824	1,542	282	0.025786742	282	4.10	2.04	288.61	
	1,343	929	414	0.037852854	415	6.02	2.99	423.65	
	1,895	1,359	536	0.049005780	537	7.79	3.87	548.47	
	2,326	1,493	833	0.076174641	834	12.11	6.02	852.55	
	1,870	1,208	662	0.060531658	663	9.62	4.78	677.47	
	2,599	1,703	895	0.081845713	897	13.01	6.47	916.02	
	2,497	1,989	508	0.046437161	509	7.38	3.67	519.72	
	1,968	1,476	491	0.044898732	492	7.14	3.55	502.51	
	2,335	1,515	820	0.074915012	821	11.91	5.92	838.45	
	1,976	1,500	476	0.043512957	477	6.92	3.44	487.00	
	1,461	901	560	0.051150257	560	8.13	4.04	572.47	
	39,206	28,266	10,940	1.000000000	10,954	159	79	11,192	
BATT ALLOC/3rd Party									
BUYBACK	40,053								
	29,099								
NET CTB GAS (TOTAL NET FMP)	10,954								
FLARE	159								
LEASE USE	79								
VRU (included in BALL ALLOC/3rd Party)	350								
GL COMPR (included in BUYBACK)	500								
ALLOCATED PROD	11,192								

ALLOCATION METHODOLOGY USED TO DETERMINE TOTAL NET CTB OIL VOLUME FOR CTB FOR ROYALTY PURPOSES									
Manually entered metered volumes from meter statement									
Allocated volumes for reporting OGOR									
Well Name	Oil WH ALLOC	Oil Theo % of Prod	Alloc Well Production	Available Sales	Oil Theo % Avail for Sale	Allocated Oil Sales (FMP)	Beginning Inventory	Ending Inventory	
	11.00	0.004232055	11.05	21.28	0.004232055	12.70	8.58	6.94	
	110.40	0.042474444	110.94	213.56	0.042474444	127	86.14	69.66	
	153.98	0.059241077	154.74	297.86	0.059241077	178	120.14	97.16	
	160.71	0.061830325	161.50	310.88	0.061830325	185	125.39	101.40	
	211.15	0.081236222	212.19	408.46	0.081236222	244	164.75	133.23	
	196.11	0.075449848	197.08	379.36	0.075449848	226	153.01	123.74	
	182.65	0.070271352	183.55	353.32	0.070271352	211	142.51	115.25	
	105.50	0.040589256	106.02	204.08	0.040589256	122	82.32	66.57	
	73.80	0.028393243	74.16	142.76	0.028393243	85	57.58	46.56	
	134.80	0.051861912	135.46	260.76	0.051861912	156	105.18	85.05	
	151.12	0.058140743	151.86	292.33	0.058140743	174	117.91	95.35	
	183.12	0.070452176	184.02	354.23	0.070452176	211	142.88	115.54	
	94.56	0.036380285	95.03	182.92	0.036380285	109	73.78	59.66	
	98.21	0.037784558	98.69	189.98	0.037784558	113	76.63	61.97	
	151.91	0.058444681	152.66	293.86	0.058444681	175	118.53	95.85	
	170.25	0.065500671	171.09	329.34	0.065500671	197	132.84	107.42	
	169.67	0.065277527	170.50	328.22	0.065277527	196	132.38	107.06	
	92.60	0.035626210	93.06	179.13	0.035626210	107	72.25	58.43	
	10.00	0.003847323	10.05	19.34	0.003847323	12	7.80	6.31	
	85.08	0.032733023	85.50	164.58	0.032733023	98	66.38	53.68	
	52.59	0.020233071	52.85	101.73	0.020233071	61	41.03	33.18	
	2,599	1.000000000	2,612	5,028	1.000000000	3,000	2,028	1,640	
CTB ALLOCATED PRODUCTION	2,612								
CTB AVAILABLE FOR SALE	5,028								
PIPELINE LACT	3,000								
BEGINNING TANK INVENTORY	2,028								
ENDING TANK INVENTORY	1,640								

ALLOCATION METHODOLOGY USED TO DETERMINE TOTAL NET CTB WATER VOLUME FOR CTB FOR ROYALTY PURPOSES									
Manually entered metered volumes from meter statement									
Allocated volumes for reporting OGOR									
Well Name	WATER WH ALLOC	Oil Theo % of Prod	Alloc Well Production	Total Water Available	Water Theo % Avail To Transfer	Allocated Water Transferred	Beginning Inventory	Ending Inventory	
	22.00	0.011778815	23.44	34.68	0.011778815	23.56	11.24	11.12	
	100.40	0.053754230	106.97	158.25	0.053754230	108	51.28	50.74	
	123.51	0.066127340	131.59	194.68	0.066127340	132	63.09	62.42	
	125.71	0.067305221	133.94	198.15	0.067305221	135	64.21	63.54	
	188.15	0.100735641	200.46	296.57	0.100735641	201	96.10	95.09	
	176.20	0.094337602	187.73	277.73	0.094337602	189	90.00	89.05	
	152.60	0.081702146	162.59	240.53	0.081702146	163	77.94	77.13	
	95.50	0.051130766	101.75	150.53	0.051130766	102	48.78	48.27	
	53.50	0.028643937	57.00	84.33	0.028643937	57	27.33	27.04	
	120.20	0.064355163	128.07	189.46	0.064355163	129	61.39	60.75	
	142.00	0.076026899	151.29	223.82	0.076026899	152	72.53	71.77	
	123.12	0.065918533	131.18	194.06	0.065918533	132	62.89	62.23	
	34.56	0.018503448	36.82	54.47	0.018503448	37	17.65	17.47	
	48.21	0.025811667	51.37	75.99	0.025811667	52	24.62	24.37	
	51.91	0.027792650	55.31	81.82	0.027792650	56	26.51	26.24	
	70.25	0.037611899	74.85	110.73	0.037611899	75	35.88	35.51	
	69.67	0.037301366	74.23	109.82	0.037301366	75	35.59	35.21	
	72.60	0.038870090	77.35	114.43	0.038870090	78	37.08	36.69	
	10.00	0.005354007	10.65	15.76	0.005354007	11	5.11	5.05	
	55.08	0.029489870	58.68	86.82	0.029489870	59	28.13	27.84	
	32.59	0.017448709	34.72	51.37	0.017448709	35	16.65	16.47	
	1,868	1.000000000	1,990	2,944	1.000000000	2,000	954	944	
CTB ALLOCATED PRODUCTION	1,990								
CTB AVAILABLE TO TRANSFER	2,944								
WATER TRANSFER METER	2,000								
BEGINNING TANK INVENTORY	954								
ENDING TANK INVENTORY	944								

Legend of all acronyms and abbreviations used in “Additional information” attachment.

- CAA - Commingling and Allocation Approval
- PA – Participating Area
- CA - Communitization agreement
- FMP- Facility measurement point
- API- American Petroleum Institute
- API MPMS Chapter 20.1-2013 - API MPMS 20.1, 1st Edition, 1993 - Manual of Petroleum Measurement Standards Chapter 20-Allocation Measurement Section 1-Allocation Measurement
- API MPMS Chapter 20.2-2016 - API MPMS 20.2, 1st Edition, November 2016 - Manual of Petroleum Measurement Standards Chapter 20.2 Production Allocation Measurement Using Single-phase Devices
- API MPMS Chapter 21, Section 1, Flow Measurement Using Electronic Metering Systems— Electronic Gas Measurement; Second Edition, February 2013
- API MPMS Chapter 14.3.2–2016- API MPMS 14.3.2, 5th Edition, March 2016 - Orifice Metering of Natural Gas and Other Related Hydrocarbon Fluids - Concentric, Square-edged Orifice Meters Part 2: Specification and Installation Requirements
- EFM- electronic flow meter
- API Chapter 14.1 and GPA 2166-2017 - Obtaining Natural Gas Samples for Analysis by Gas Chromatography; The purpose of GPA 2166-17 is to recommend procedures for obtaining samples from flowing natural gas streams that represent the composition of the vapor phase portion of the system being analyzed.
- API MPMS Chapter 5.6-2013 - API MPMS Chapter 5—Metering, Section 6, Measurement of Liquid Hydrocarbons by Coriolis Meters; First Edition, October 2002; Reaffirmed November 2013
- API MPMS Chapter 7, Temperature Determination; First Edition, June 2001, Reaffirmed February 2012
- API MPMS Chapter 11.1-2012- API MPMS Chapter 11—Physical Properties Data, Section 1, Temperature and Pressure Volume Correction Factors for Generalized Crude Oils, Refined Products and Lubricating Oils; May 2004, Addendum 1 September 2007; Reaffirmed August
- API MPMS Chapter 12.2.1-2014 –Calculation of Petroleum Quantities, Section 2, Calculation of Petroleum Quantities Using Dynamic Measurement Methods and Volumetric Correction Factors, Part 1, Introduction; Second Edition, May 1995; Reaffirmed March 2014
- OLM- off lease measurement
- WH ALLOC - Wellhead Allocation
- GL INJ - Gas Lift Injection
- CTB – Centralized Tank Battery
- BATT ALLOC - Battery Allocation
- HP Flare/ HP FL - High Pressure Flare
- VRU- Vapor Recovery Unit
- ULPS- ultra-low-pressure separator
- CTB BATT ALLOC – Centralized Tank Battery, Battery Allocation
- OGOR - Oil and Gas Operations Report

- GAS WH ALLOC – Gas Wellhead Allocation
- GL INJ – Gas Lift injection
- NEW WELL PROD(WH-GLI)- New Well Production (Wellhead – Gas Lift Injection)
- GAS THEO % OF PROD – Gas Theoretical Percentage of Production
- NET CTB GAS (TOTAL NET FMP) – Net Centralized Tank Battery Gas (Total Net Facility measurement point)
- GL COMPR(INCLUDED IN BUYBACK)- Gas Lift Compressor
- ALLOCATED PROD – Allocated Production
- OIL WH ALLOC – Oil Wellhead Allocation
- OIL THEO % OF PROD - Oil Theoretical Percentage of Production
- ALLOC WELL PRODUCTION – Allocated Well Production
- OIL THEO % AVAIL FOR SALE - Oil Theoretical Percentage Available For Sale
- WATER WH ALLOC- Water Wellhead Allocation
- WATER THEO %AVAIL TO TRANSFER- Water Theoretical Percentage of Available to Transfer

THISTLE UNIT WELLS

157H, 159H, 186H, 187H, 187H,
188H, 189H, 190H, 191H
LEA COUNTY, NEW MEXICO

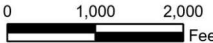


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NAD 1983 2011 StatePlane New Mexico East FIPS 3001 Ft US

Datum: NAD 1983 2011
Created by: brante
Map is current as of: 3/12/2025



0 1,000 2,000 Feet

1:17,000



Central Tank Battery



Sales Meter



Flow Line



Deviated Surface



Directional Survey (ACT-DVN/OBO)



Directional (approx)



PA-NMNM088526C



PA-NMNM088526B



Unit NMNM088526X



ST NM V0 4057



ST NM V0-2794



ST NM V0-2818



ST OF NM V0-2798



USA NMNM 94186



ST OF NM V0-2797

Well Name	API
THISTLE UNIT 186H	30-025-52076
THISTLE UNIT 153H	30-025-43589
THISTLE UNIT 155H	30-025-43658
THISTLE UNIT 187H	30-025-53253
THISTLE UNIT 188H	30-025-53254
THISTLE UNIT 189H	30-025-53255
THISTLE UNIT 190H	30-025-53256
THISTLE UNIT 191H	30-025-53257
THISTLE UNIT 7H	30-025-43432
THISTLE UNIT 152H	30-025-43588
THISTLE UNIT 156H	30-025-43599
THISTLE UNIT 157H	30-025-43728
THISTLE UNIT 159H	30-025-43659

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Proposed Federal PA's with lease numbers and allocation percentages per lease

	TOTAL ACRES	Tract 1 960 AC NMNM 94186	Tract 2 640 AC State Lease	Tract 3 160 AC State Lease	Tract 4 640 AC State Lease	Tract 5 640 AC State Lease	Tract 5 480 AC State Lease
Participation Agreement NMNM 088526B							
Wolfcamp FM	100	27%	18%	5%	18%	18%	13%
BRINNINSTOOL;WOLFCAMP, WEST (96689)	3520	960	640	160	640	640	480
THISTLE UNIT 186H							
THISTLE UNIT 153H							
THISTLE UNIT 155H							
THISTLE UNIT 187H							
THISTLE UNIT 188H							
THISTLE UNIT 189H							
THISTLE UNIT 190H							
THISTLE UNIT 191H							
Participation Agreement NMNM 088526C							
Bone Spring FM	100	27%	18%	5%	18%	18%	13%
TRIPLE X;BONE SPRING (59900)	3520	960	640	160	640	640	480
THISTLE UNIT 7H							
THISTLE UNIT 152H							
THISTLE UNIT 156H							
THISTLE UNIT 157H							
THISTLE UNIT 159H							

Economic Justification Report
Thistle Unit 33 CTB 1

Well Name & Number		Type	Fed Lease 1	Royalty Rate	Fed Lease 2 (if applicable)	Royalty Rate	BOPD	Oil Gravity @ 60°	MCFPD	Dry BTU
THISTLE UNIT 186H		Sweet	NMNM94186	12.50%						
THISTLE UNIT 153H		Sweet	NMNM94186	12.50%			670	50.1	6,697	1,305
THISTLE UNIT 155H		Sweet	NMNM94186	12.50%			121	49.4	388	1,172
THISTLE UNIT 187H		Sweet	NMNM94186	12.50%			114	49.4	420	1,172
THISTLE UNIT 188H		Sweet	NMNM94186	12.50%			1,042	50.1	6,406	1,305
THISTLE UNIT 189H		Sweet	NMNM94186	12.50%			1,109	50.1	6,830	1,305
THISTLE UNIT 190H		Sweet	NMNM94186	12.50%			1,239	50.1	7,660	1,305
THISTLE UNIT 191H		Sweet	NMNM94186	12.50%			1,208	50.1	7,479	1,305
THISTLE UNIT 7H		Sweet	NMNM94186	12.50%			1,390	50.1	8,525	1,305
THISTLE UNIT 152H		Sweet	NMNM94186	12.50%			35	49.4	636	1,172
THISTLE UNIT 156H		Sweet	NMNM94186	12.50%			53	49.4	1,259	1,172
THISTLE UNIT 157H		Sweet	NMNM94186	12.50%			52	49.4	1,765	1,172
THISTLE UNIT 159H		Sweet	NMNM94186	12.50%			13	49.4	1,384	1,172
							69	49.4	1,560	1,172

Signed: _____ Date: 3/17/2025

Printed Name: Rebecca Deal Title: Regulatory Compliance

Economic Combined Production
BOPD 7115.0 Oil Gravity @ 60° 50.1 MCFPD 51009.0 Dry BTU 1285.7

No anticipated value degradation by commingling due to anticipated gravity.

**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

Run Date/Time: 7/20/2020 16:25 PM

Page 1 Of 2

01 02-25-1920;041STAT0437;30USC181

Case Type 318230: O&G PARTICIPATING AREA

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Case File Juris:

Total Acres:

3,520.000

Serial Number

NMNM 088526B

Serial Number: NMNM-- 088526B

Name & Address

Int Rel

% Interest

BLM ROSWELL FO	2909 W 2ND ST	ROSWELL	NM	88201	OFFICE OF RECORD	0.000000000
DEVON ENERGY PROD CO LP	333 W SHERIDAN AVE	OKLAHOMA CITY	OK	731025010	OPERATOR	100.000000000

Serial Number: NMNM-- 088526B

Mer	Twp	Rng	Sec	S	Type	Nr	Suff	Subdivision	District/ Field Office	County	Mgmt Agency
23	0230S	0330E	021		ALIQ			E2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	022		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	027		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	028		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	033		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	034		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

Relinquished/Withdrawn Lands

Serial Number: NMNM-- 088526B

Act Date	Act Code	Action Txt	Action Remarks	Pending Off
01/08/1999	387	CASE ESTABLISHED		
01/08/1999	500	GEOGRAPHIC NAME	INT WOLFCAMP PA B:	
01/08/1999	500	GEOGRAPHIC NAME	UA- THISTLE UNIT;	
01/08/1999	868	EFFECTIVE DATE	/A/1/	
02/19/1999	580	PROPOSAL RECEIVED	/1/ INITIAL	
04/07/1999	595	WELL DETERMINED PAYING	/1/ STATE 4	
04/21/1999	665	PA APPROVED	/1/	
05/17/1999	974	AUTOMATED RECORD VERIF	MO	
10/11/2000	940	NAME CHANGE RECOGNIZED	SANTA FE/DEVON SFS	
10/11/2000	974	AUTOMATED RECORD VERIF	AT	
12/12/2002	817	MERGER RECOGNIZED	DEVONSFS/DEVONENEPD	

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page

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Page 2 Of 2

Line Number	Remark Text						Serial Number: NMNM-- 088526B
0002	/A/ PA ALLOCATION EFFECTIVE 01/08/1999						
0003	LEASE SERIAL #	TR#	STATUS	ACRES	PERCENT		
0004	NM 94186	1	FC	960.00	27.2727		
0005	STATE	6	FC	640.00	18.1818		
0006	STATE	7	FC	160.00	4.5455		
0007	STATE	8	FC	640.00	18.1818		
0008	STATE	10	FC	640.00	18.1818		
0009	STATE	11	FC	480.00	13.6364		
0010	TOTAL			3520.00	100.0000		
0011	TR1,23S,33E,S21,E2,S28,ALL						
0012	TR6,23S,33E,S22,ALL						
0013	TR7,23S,33E,S27,NE						
0014	TR8,23S,33E,S34,ALL						
0015	TR10,23S,33E,S33,ALL						
0016	TR11,23S,33E,S27,NW,S2						

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

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Page 1 Of 2

01 02-25-1920;041STAT0437;30USC181

Case Type 318230: O&G PARTICIPATING AREA

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Total Acres:

3,520.000

Serial Number

NMNM 088526C

Case File Juris: CARLSBAD FIELD OFFICE

						Serial Number: NMNM-- - 088526C	
Name & Address						Int Rel	% Interest
BLM CARLSBAD FO	620 E GREENE ST	CARLSBAD	NM	88220	OFFICE OF RECORD		0.000000000
DEVON ENERGY CORP	333 W SHERIDAN AVE	OKLAHOMA CITY	OK	731025010	OPERATOR		100.000000000

								Serial Number: NMNM-- - 088526C	
Mer	Twp	Rng	Sec	S	Type	Nr	Suff	Subdivision	District/ Field Office
23	0230S	0330E	021	ALIQ				E2;	CARLSBAD FIELD OFFICE
23	0230S	0330E	022	ALIQ				ALL;	CARLSBAD FIELD OFFICE
23	0230S	0330E	027	ALIQ				ALL;	CARLSBAD FIELD OFFICE
23	0230S	0330E	028	ALIQ				ALL;	CARLSBAD FIELD OFFICE
23	0230S	0330E	033	ALIQ				ALL;	CARLSBAD FIELD OFFICE
23	0230S	0330E	034	ALIQ				ALL;	CARLSBAD FIELD OFFICE
								County	Mgmt Agency
								LEA	BUREAU OF LAND MGMT
								LEA	BUREAU OF LAND MGMT
								LEA	BUREAU OF LAND MGMT
								LEA	BUREAU OF LAND MGMT
								LEA	BUREAU OF LAND MGMT
								LEA	BUREAU OF LAND MGMT

Relinquished/Withdrawn Lands

Serial Number: NMNM-- - 088526C

				Serial Number: NMNM-- - 088526C	
Act Date	Act Code	Action Txt	Action Remarks	Pending Off	
04/19/2013	387	CASE ESTABLISHED			
04/19/2013	500	GEOGRAPHIC NAME	INIT BONE SPRING PA C		
04/19/2013	500	GEOGRAPHIC NAME	UA - THISLITE UNIT		
04/19/2013	515	REFERENCE NUMBER (AFS)	AFS - NMNM88526C		
04/19/2013	516	FORMATION	BONE SPRING		
04/19/2013	526	ACRES-FED INT 100%	3520 - 100%		
04/19/2013	664	PA EFFECTIVE	/A/ INITIAL		
04/19/2013	868	EFFECTIVE DATE	/A/ INITIAL		
05/12/2016	595	WELL DETERMINED PAYING	43H 59H 60H 64H		
05/16/2016	580	PROPOSAL RECEIVED	/A/ INITIAL		
06/10/2016	665	PA APPROVED			

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DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page

Run Date/Time: 7/20/2020 16:26 PM

Page 2 Of 2

Line Number	Remark Text						Serial Number: NMNM-- - 088526C
0001	/A/ PA ALLOCATION EFFECTIVE 04/19/2013						
0002	LEASE	SERIAL NO	TR#	STATUS	ACRES	%	
0003	NMNM	94186	1	FC	960.00	27.2727	
0004	STATE		6	FC	640.00	18.1818	
0005	STATE		7	FC	160.00	4.5455	
0006	STATE		8	FC	640.00	18.1818	
0007	STATE		10	FC	640.00	18.1818	
0008	STATE		11	FC	480.00	13.6364	
0009	TOTAL				3,520.00	100.0000	

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**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

Run Date/Time: 7/20/2020 16:27 PM

Page 1 Of 3

01 02-25-1920;041STAT0437;30USC181
Case Type 318210: O&G EXPLORATORY UNIT
Commodity 459: OIL & GAS
Case Disposition: AUTHORIZED

Total Acres:
3,520.000

Serial Number
NMNM 088526X

Case File Juris:

						Serial Number: NMNM-- - 088526X	
Name & Address						Int Rel	% Interest
DEVON ENERGY PROD CO LP		333 W SHERIDAN AVE		OKLAHOMA CITY OK	731025010	OPERATOR	100.000000000
BLM ROSWELL FO		2909 W 2ND ST		ROSWELL NM	88201	OFFICE OF RECORD	0.000000000

										Serial Number: NMNM-- - 088526X	
Mer	Twp	Rng	Sec	S	Type	Nr	Suff	Subdivision	District/ Field Office	County	Mgmt Agency
23	0230S	0330E	021		ALIQ			E2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	022		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	027		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	028		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	033		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	034		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

Relinquished/Withdrawn Lands							Serial Number: NMNM-- - 088526X		
23	0230S	0330E	720	FF	E2SW;	PECOS DISTRICT OFFICE	LEA	BUREAU OF LAND MGMT	
23	0230S	0330E	729	FF	ALL	PECOS DISTRICT OFFICE	LEA	BUREAU OF LAND MGMT	
23	0230S	0330E	732	FF	ALL	PECOS DISTRICT OFFICE	LEA	BUREAU OF LAND MGMT	

				Serial Number: NMNM-- - 088526X	
Act Date	Act Code	Action Txt	Action Remarks	Pending Off	
06/11/1993	387	CASE ESTABLISHED	DESIGNATION RECEIVED		
06/11/1993	500	GEOGRAPHIC NAME	THISTLE;		
06/24/1993	519	AGRMT/EXPANSION DESIG	AGREEMENT		
08/11/1993	680	AGREEMENT FILED			
08/19/1993	334	AGRMT APPROVED			
08/19/1993	515	REFERENCE NUMBER (AFS)	NMNM88526X		
08/19/1993	516	FORMATION	ALL;		
08/19/1993	525	ACRES-NONFEDERAL	3200.00;65.57%		
08/19/1993	526	ACRES-FED INT 100%	1680.00;34.43%		
08/19/1993	868	EFFECTIVE DATE	/A/ UNIT AGREEMENT		
08/19/1993	974	AUTOMATED RECORD VERIF	MO/MO		

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**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

Run Date/Time: 7/20/2020 16:27 PM

Page 2 Of 3

Serial Number: NMNM-- - 088526X

Act Date	Act Code	Action Txt	Action Remarks	Pending Off
09/01/1993	963	CASE MICROFILMED/SCANNED	CNUM 543,041	
10/13/1993	654	AGRMT PRODUCING	INT BRSC PA, #A	
10/13/1993	690	AGRMT VALIDATED		
06/03/1994	421	PLAN OPER/EXPL/DEV FILED	/1/	
06/15/1994	422	PLAN OPER/EXPL/DEV APPV	/1/	
03/21/1997	974	AUTOMATED RECORD VERIF	MO/MO	
01/08/1999	664	PA EFFECTIVE	INT WCAP PA, #B	
04/09/1999	868	EFFECTIVE DATE	/B/2/ 1ST CONTRACTION	
07/01/1999	940	NAME CHANGE RECOGNIZED	SF ENE RES/SF SNYDER	
07/01/1999	974	AUTOMATED RECORD VERIF	JLV	
03/22/2000	892	AGRMT CONTRACTION APPV	/B/2/	
04/03/2000	580	PROPOSAL RECEIVED	/2/ AUTO CONTRACTION	
04/20/2000	974	AUTOMATED RECORD VERIF	MO	
10/11/2000	940	NAME CHANGE RECOGNIZED	SANTA FE/DEVON SFS	
10/11/2000	974	AUTOMATED RECORD VERIF	AT	
10/30/2002	672	SUCCESSOR OPERATOR	/B/DEVONSFS/DEVONENGY	
10/30/2002	974	AUTOMATED RECORD VERIF	MO	
02/26/2020	421	PLAN OPER/EXPL/DEV FILED	2020 POD,	

Line Number	Remark Text	Serial Number: NMNM-- - 088526X			
0002	/A/ EXHIBIT B EFFECTIVE DATE 04/09/1999				
0003	LEASE SERIAL NO	TR#	STATUS	ACRES	
0004	NMNM 94186	1	FC	960.00	
0005	STATE	6	FC	640.00	
0006	STATE	7	FC	160.00	
0007	STATE	8	FC	640.00	
0008	STATE	10	FC	640.00	
0009	STATE	11	FC	480.00	
0010	TR1, 23S, 33E, S21, E2, S28, ALL				
0011	/B/ EFFECTIVE DATE 04/09/1999, 1360.00 ACRES ELIM				
0012	ENTIRELY ELIMINATED				
0013	LEASE SERIAL NO	STATUS			
0014	NMNM 2386A	FC			
0015	NMNM 77078	FC			
0016	NMNM 80646	FC			
0017	NMNM 82929	FC			
0018	NMNM STATE	FC			
0019	/B/ DEVON SFS OPERATING, INC/DEVON ENERGY PRODUCTION				
0020	COMPANY, INC. EFFECTIVE 11/01/2002.				

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DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page

Run Date/Time: 7/20/2020 16:27 PM

Page 3 Of 3

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**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

Run Date/Time: 7/20/2020 16:26 PM

Page 1 Of 2

01 02-25-1920;041STAT0437;30USC226

Case Type 311111: O&G LSE NONCOMP PUB LAND

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Case File Juris:

Total Acres:

960.000

Serial Number

NMNM 094186

						Serial Number: NMNM-- - 094186	
Name & Address						Int Rel	% Interest
SAMSON RESOURCES CO	2 W SECOND ST	TULSA	OK	74103	OPERATING RIGHTS		0.000000000
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND	TX	797014882	OPERATING RIGHTS		0.000000000
CONOCOPHILLIPS CO	PO BOX 7500	BARTLESVILLE	OK	740057500	LESSEE		100.000000000
TRAINER PARTNERS LP	505 N BIG SPRINGS #505	MIDLAND	TX	79701	OPERATING RIGHTS		0.000000000

							Serial Number: NMNM-- - 094186	
Mer	Twp	Rng	Sec	SType	Nr	Suff	Subdivision	District/ Field Office
23	0230S	0330E	021	ALIQ			E2;	CARLSBAD FIELD OFFICE
23	0230S	0330E	028	ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE
							County	Mgmt Agency
							LEA	BUREAU OF LAND MGMT
							LEA	BUREAU OF LAND MGMT

Relinquished/Withdrawn Lands

Serial Number: NMNM-- - 094186

				Serial Number: NMNM-- - 094186	
Act Date	Act Code	Action Txt	Action Remarks	Pending Off	
03/31/1951	387	CASE ESTABLISHED			
04/01/1951	496	FUND CODE	05;145003		
04/01/1951	530	RLTY RATE - 12 1/2%			
04/01/1951	868	EFFECTIVE DATE			
08/19/1993	209	CASE CREATED BY SEGR	OUT OF NMLC068848;		
08/19/1993	232	LEASE COMMITTED TO UNIT	NMNM88526X;THISTLE		
08/19/1993	648	EXT BY PROD ON ASSOC LSE	NMLC068848;		
05/11/1995	974	AUTOMATED RECORD VERIF	GB		
05/19/1995	600	RECORDS NOTED			
06/07/1995	084	RENTAL RECEIVED BY ONRR	\$480.00;11/0000011371		
06/14/1995	963	CASE MICROFILMED/SCANNED	PAR		
02/21/1996	575	APD FILED			
03/20/1996	084	RENTAL RECEIVED BY ONRR	\$480.00;21/0000011412		
05/03/1996	576	APD APPROVED	2-THISTLE UNIT		
03/17/1997	084	RENTAL RECEIVED BY ONRR	\$480.00;21/0000011453		
06/18/1997	575	APD FILED			

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DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page

Run Date/Time: 7/20/2020 16:26 PM

Page 2 Of 2

Serial Number: NMNM-- - 094186

Act Date	Act Code	Action Txt	Action Remarks	Pending Off
07/25/1997	576	APD APPROVED	3 THISTLE UNIT	
10/28/1997	396	TRF OF INTEREST FILED	PIPKIN/PIPKIN	
10/28/1997	974	AUTOMATED RECORD VERIF	TF/TF	
03/16/1998	084	RENTAL RECEIVED BY ONRR	\$480.00;21/0000011498	
11/23/1998	932	TRF OPER RGTS FILED	WAGNER/SAMSON	
12/30/1998	933	TRF OPER RGTS APPROVED	EFF 12/01/98;	
12/30/1998	974	AUTOMATED RECORD VERIF	JLV	
03/13/2000	084	RENTAL RECEIVED BY ONRR	\$480.00;21/11624	
12/12/2002	817	MERGER RECOGNIZED	DEVONSFS/DEVONENEPD	
01/16/2003	817	MERGER RECOGNIZED	CONOCO/CONOCOPHILLIPS	
08/30/2006	932	TRF OPER RGTS FILED	DEVON ENE/TRAINER P;1	
10/17/2006	932	TRF OPER RGTS FILED	SOUTHWEST/TRAINER P;1	
11/20/2006	933	TRF OPER RGTS APPROVED	EFF 09/01/06;	
11/20/2006	974	AUTOMATED RECORD VERIF	MV	
12/01/2006	933	TRF OPER RGTS APPROVED	EFF 11/01/06;	
12/01/2006	974	AUTOMATED RECORD VERIF	ANN	
04/11/2011	932	TRF OPER RGTS FILED	SAMSON RE/THREE RIV;1	
06/13/2011	933	TRF OPER RGTS APPROVED	EFF 05/01/11;	
06/13/2011	974	AUTOMATED RECORD VERIF	LBO	
10/28/2011	650	HELD BY PROD - ACTUAL	/1/	
10/28/2011	658	MEMO OF 1ST PROD-ACTUAL	/1/NMNM88526A;#18H	
08/14/2012	932	TRF OPER RGTS FILED	THREE RIV/COG OPERA;1	
11/07/2012	933	TRF OPER RGTS APPROVED	EFF 09/01/12;	
11/07/2012	974	AUTOMATED RECORD VERIF	BTM	
09/16/2015	066	BANKRUPTCY FILED	SAMSON RESOURCES CO	
11/21/2019	643	PRODUCTION DETERMINATION	/1/	

Line Number	Remark Text	Serial Number: NMNM-- - 094186
0002	BONDED LESSEES/OPERATORS:	
0003	12/01/2006 - CONOCOPHILLIPS CO - ES0048 & ES0085-NWS	
0004	11/07/2012 - COG OPERATING LLC - 225K/CFO-NMB000740	

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Devon Energy Production Company, L.P.
333 W. Sheridan Avenue
Oklahoma City, Oklahoma 73102
Phone: (405) 228-4800

March 12th, 2025

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: Central Tank Battery: THISTLE UNIT 33 CTB 1

Sec.-T-R: 33-23S-33E
Wells: Multiple Thistle Unit Wells - See Attached

Agreements: Thistle Unit: NMNM088526X, Approved Wolfcamp PA: NMNM88526B, Approved Bone Spring PA: NMNM88526C

Lease NMNM94186, V027971

Pool: [59900] TRIPLE X;BONE SPRING, [96689] BRINNINSTOOL;WOLFCAMP, WEST

County: Lea Co., New Mexico

Interest Owners:

This letter is to advise that Devon Energy Production Company, L.P. is filing an application with the New Mexico Oil Conservation Division (NMOCD) seeking approval for a Central Tank Battery for the above-mentioned wells. A copy of the submitted application is attached.

Any objections or requests that a hearing should be held regarding this application must be submitted to the New Mexico Oil Conservation Division Santa Fe office within 20 days from the date of this letter.

Subsequently drilled wells that produce from the subject pools within the project areas approved by this order may be added to this commingling authority by submittal of a Sundry Notice to the Engineering Bureau in Santa Fe.

Please contact Devon Energy Production Company, L.P. at (405) 235-3611 with any questions or needs.

Sincerely,

Devon Energy Production Company, L.P.

A handwritten signature in blue ink that reads "Rebecca Deal". The signature is written in a cursive, flowing style.

Rebecca Deal
Regulatory Compliance Professional
Enclosure

Bureau of Land Management

Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Conditions of Approval Off-Lease Storage and Lease/CA/PA Commingling of Measurement and Sales of Oil and Gas Production

1. This approval is subject to like approval by the New Mexico Oil Conservation Division.
 - a. All well tests for allocation shall be performed per NMOCD requirements.
2. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the public's interest (surface and/or subsurface).
3. Submittal of a new surface commingling sundry is required if:
 - a. There are any changes to the allocation methodology
 - b. Proposed Communitization Agreements (CA) or Participating Areas (PA) are not approved or are approved with changes to the original proposal
4. If new surface disturbance on BLM managed land is proposed, the operator shall submit appropriate surface use plan of operations and right-of-way grant applications to the Carlsbad Field Office for approval prior to any construction.
5. Off-lease measurement, storage, and sales from sources in this package are approved.
6. Non-FMP meters will meet the standards the operator proposed in the sundry.
7. Within 30 days of implementing the allocation methodology in this application, the operator shall submit a new site facility diagram via Sundry Notice which meets the requirements of **43 CFR 3173.11**. Include the effective date for the allocation methodology with the sundry notice.
 - a. In lieu of FMP numbers on the site facility diagram, include all meter serial numbers or assign unique meter ID numbers that are reflected and identifiable in the field. This is to include allocation meters.
8. This approval does not allow for a variance from 43 CFR 3170.4. This approval does not authorize bypasses around any approved measurement point, nor does it approve the use of headers capable of acting as a bypass.
9. This approval does not authorize royalty-free fuel usage at the compressor station downstream of the CTB's FMPs; it must be an additional request separate from this application:
 - a. Submit an additional Sundry Notice containing the information required under **43 CFR 3178.9**. Note: A variance to 43 CFR 3178.7(b)(2) may be granted as long as the fuel gas is being metered and is allocable back to the participating wells.

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

**APPLICATION FOR SURFACE COMMINGLING
SUBMITTED BY DEVON ENERGY PRODUCTION
COMPANY, LP**

ORDER NO. PLC-1170

ORDER

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

FINDINGS OF FACT

1. Devon Energy Production Company, LP (“Applicant”) submitted a complete application to surface commingle the oil and gas production from the pools and leases described in Exhibit A (“Application”).
2. Applicant included a complete list of the wells currently dedicated to each pool and lease.
3. Applicant proposed a method to allocate the oil and gas production to the pools, leases, and wells to be commingled.
4. Applicant certified the commingling of oil and gas production from the pools, leases, and wells will not in reasonable probability reduce the value of the oil and gas production to less than if it had remained segregated.
5. Applicant in the notice for the Application stated that it sought authorization to prospectively include additional pools and leases in accordance with 19.15.12.10(C)(4)(g) NMAC.
6. Applicant stated that it sought authorization to surface commingle and off-lease measure, as applicable, oil and gas production from wells which have not yet been approved to be drilled, but will produce from a pool and lease as described in Exhibit A.
7. Applicant provided notice of the Application to all persons owning an interest in the oil and gas production to be commingled, including the owners of royalty and overriding royalty interests, regardless of whether they have a right or option to take their interests in kind, and those persons either submitted a written waiver or did not file an objection to the Application.
8. 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

9. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, §§ 70-2-6, 70-2-11, 70-2-12, 70-2-16, and 70-2-17, 19.15.12. NMAC, and 19.15.23. NMAC.

10. Applicant satisfied the notice requirements for the Application in accordance with 19.15.12.10(A)(2) NMAC, 19.15.12.10(C)(4)(c) NMAC, and 19.15.12.10(C)(4)(e) NMAC, as applicable.
11. Applicant satisfied the notice requirements for the Application in accordance with 19.15.23.9(A)(5) NMAC and 19.15.23.9(A)(6) NMAC, as applicable.
12. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.10(B)(1) NMAC or 19.15.12.10(C)(1) NMAC, as applicable.
13. Commingling of oil and gas production from state, federal, or tribal leases shall not commence until approved by the BLM or NMSLO, as applicable, in accordance with 19.15.12.10(B)(3) NMAC and 19.15.12.10(C)(4)(h) NMAC.
14. Applicant satisfied the notice requirements for the subsequent addition of pools, leases, and wells in the notice for the Application, in accordance with 19.15.12.10(C)(4)(g) NMAC. Subsequent additions of pools, leases, and wells within Applicant's defined parameters, as modified herein, will not, in reasonable probability, reduce the commingled production's value or otherwise adversely affect the interest owners in the production to be added.
15. 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 surface commingle oil and gas production from the pools and leases as described in Exhibit A.

Applicant is authorized to surface commingle oil and gas production from the wells included in Exhibit A provided that they produce from a pool and lease described in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease, as applicable, from the pools and leases as described in Exhibit A at a central tank battery or gas title transfer meter described in Exhibit A.

Applicant is authorized to surface commingle oil and gas production from wells not included in Exhibit A but that produce from a pool and lease as described in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease, as applicable, from wells not included in Exhibit A but that produce from a pool and lease as described in Exhibit A at a central tank battery or gas title transfer meter described in Exhibit A.

2. The allocation of oil and gas production to wells not included in Exhibit A but that produce from a pool and lease as described in Exhibit A shall be determined in the same manner as to wells identified in Exhibit A that produce from that pool and lease, provided that if more than one allocation method is being used or if there are no wells identified in Exhibit A that produce from the pool and lease, then allocation of oil and gas production to each well not

included in Exhibit A shall be determined by OCD prior to commingling production from it with the production from another well.

3. The oil and gas production for each well identified in Exhibit A shall be separated and metered prior to commingling it with production from another well.
4. If Applicant recovers oil or gas production from produced water prior to Applicant injecting it or transferring custody of it, then that production shall be allocated to each well in the proportion that it contributed to the total produced water.
5. If Applicant recovers gas production using a vapor recovery unit (VRU), then that gas production shall be allocated to each well in the proportion that it contributed to the total oil production.
6. Applicant shall measure and market the commingled oil at a central tank battery described in Exhibit A in accordance with this Order and 19.15.18.15 NMAC or 19.15.23.8 NMAC.
7. Applicant shall measure and market the commingled gas at a well pad, central delivery point, central tank battery, or gas title transfer meter described in Exhibit A in accordance with this Order and 19.15.19.9 NMAC, provided however that if the gas is vented or flared, and regardless of the reason or authorization pursuant to 19.15.28.8(B) NMAC for such venting or flaring, Applicant shall measure or estimate the gas in accordance with 19.15.28.8(E) NMAC.
8. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10(C)(2) NMAC.
9. Applicant shall install and utilize vessels that are appropriately designed to ensure sufficient separation of the fluids and to accurately measure oil and gas production.
10. If the commingling of oil and gas production from any pool, lease, or well reduces the value of the commingled 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 surface commingling application to OCD to amend this Order to remove the pool, lease, or well whose oil and gas production 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.
11. Applicant may submit an application to amend this Order to add pools, leases, and subsequently drilled wells with spacing units adjacent to or within the tracts commingled by this Order by submitting a Form C-107-B in accordance with 19.15.12.10(C)(4)(g) NMAC, provided the pools, leases, and subsequently drilled wells are within the identified parameters included in the Application.
12. If a well is not included in Exhibit A but produces from a pool and lease as described in Exhibit A, then Applicant shall submit Forms C-102 and C-103 to the OCD Engineering

Bureau after the well has been approved to be drilled and prior to off-lease measuring or commingling oil or gas production from it with the production from another well. The Form C-103 shall reference this Order and identify the well, proposed method to determine the allocation of oil and gas production to it, and the location(s) that commingling of its production will occur.

13. Applicant shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.
14. 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).
15. 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**



**ALBERT C. S. CHANG
DIRECTOR**

DATE: 08/21/2026

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: **PLC-1170**

Operator: **Devon Energy Production Company, LP (6137)**

Central Tank Battery: **Thistle Unit 33 Central Tank Battery 1**

Central Tank Battery Location: **UL O, P, Section 33, Township 23 South, Range 33 East**

Gas Title Transfer Meter Location: **UL O, P, Section 33, Township 23 South, Range 33 East**

Pools

Pool Name	Pool Code
TRIPLE X;BONE SPRING	59900
BRINNINSTOOL;WOLFCAMP, WEST	96689

Leases as defined in 19.15.12.7(C) NMAC

Lease	UL or Q/Q	S-T-R
PA Bone Spring NMNM 105306698 (088526C)	E2	21-23S-33E
	ALL	22-23S-33E
	ALL	27-23S-33E
	ALL	28-23S-33E
	ALL	33-23S-33E
	ALL	34-23S-33E
PA Wolfcamp NMNM 105525221 (088526B)	E2	21-23S-33E
	ALL	22-23S-33E
	ALL	27-23S-33E
	ALL	28-23S-33E
	ALL	33-23S-33E
	ALL	34-23S-33E

Wells

Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-025-52076	THISTLE UNIT #186H	W2W2	28-23S-33E	96689
		W2W2	33-23S-33E	
30-025-43589	THISTLE UNIT #153H	W2W2	28-23S-33E	96689
		W2W2	33-23S-33E	
30-025-43658	THISTLE UNIT #155H	E2W2	28-23S-33E	96689
		E2W2	33-23S-33E	
30-025-53253	THISTLE UNIT #187H	W2W2	28-23S-33E	96689
		W2W2	33-23S-33E	
30-025-53254	THISTLE UNIT #188H	E2W2	28-23S-33E	96689
		E2W2	33-23S-33E	
30-025-53255	THISTLE UNIT #189H	W2E2	21-23S-33E	96689
		W2E2	28-23S-33E	
		W2E2	33-23S-33E	

30-025-53256	THISTLE UNIT #190H	E2E2	21-23S-33E	96689
		E2E2	28-23S-33E	
		E2E2	33-23S-33E	
30-025-53257	THISTLE UNIT #191H	E2E2	21-23S-33E	96689
		E2E2	28-23S-33E	
		E2E2	33-23S-33E	
30-025-43432	THISTLE UNIT #007H	E2SE	28-23S-33E	59900
		E2E2	33-23S-33E	
30-025-43588	THISTLE UNIT #152H	E2W2	28-23S-33E	59900
		E2W2	33-23S-33E	
30-025-43599	THISTLE UNIT #156H	W2E2	21-23S-33E	59900
		W2E2	28-23S-33E	
		W2E2	33-23S-33E	
30-025-43728	THISTLE UNIT #157H	E2W2	28-23S-33E	59900
		E2W2	33-23S-33E	
30-025-43659	THISTLE UNIT #159H	W2E2	21-23S-33E	59900
		W2E2	28-23S-33E	
		W2E2	33-23S-33E	

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Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 444907

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 444907
	Action Type: [C-107] Surface Commingle or Off-Lease (C-107B)

CONDITIONS

Created By	Condition	Condition Date
sarah.clelland	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 email us at OCD.Engineer@emnrd.nm.gov .	8/28/2026