



Devon Energy Production Company
333 W. Sheridan Avenue
Oklahoma City, Oklahoma 73102

October 11, 2022

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Interest Owners

Re: Central Tank Battery THISTLE UNIT 22 CTB 2
Sec., T, R: Northeast Quarter (NE/4) of the Northeast Quarter (NE/4) of Section 22,
Township 23 South, Range 33 East, of the New Mexico Principal Meridian,
Lease: Participating Agreement – NMNM088526B - Wolfcamp Formation
Participating Agreement - NMNM088526C – Bone Spring Formation
Pool: 96689-BRINNINSTOOL; WOLFCAMP, WEST
98135-WC-025 G-09 S243310P; UPPER WOLFCAMP
59900-TRIPLE X; BONE SPRING
County: Lea Co., New Mexico

To whom it may concern:

This is to advise you 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 Exhibit A mentioned wells.

A copy of our application submitted to the Division 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 the undersigned at (405) 552-6560 should you have any questions or need anything further.

Sincerely,

A handwritten signature in blue ink that reads "Jenny Harms".

Jenny Harms
Regulatory Compliance Professional
Work Phone: (405) 552-6560
Jennifer.harms@devn.com
Devon Energy Center-Tower
333 West Sheridan Avenue Oklahoma City OK 73102-5015

Enclosure

Exhibit A

WELL NAME	API	LOCATION	POOL
THISTLE UNIT 100H	30-025-44417	B-22-23S-33E 335 FNL 1660 FEL	[59900] TRIPLE X; BONE SPRING
THISTLE UNIT 110H	30-025-43311	C-22-23S-33E 335 FNL 1340 FWL	[59900] TRIPLE X; BONE SPRING
THISTLE UNIT 111H	30-025-44418	A-22-23S-33E 233 FNL 630 FEL	[59900] TRIPLE X; BONE SPRING
THISTLE UNIT 114H	30-025-43315	C-22-23S-33E 335 FNL 1700 FWL	[59900] TRIPLE X; BONE SPRING
THISTLE UNIT 115H	30-025-44419	C-22-23S-33E 335 FNL 1790 FWL	[59900] TRIPLE X; BONE SPRING
THISTLE UNIT 116H	30-025-44420	B-22-23S-33E 335 FNL 1690 FEL	[59900] TRIPLE X; BONE SPRING
THISTLE UNIT 125H	30-025-44080	C-22-23S-33E 335 FNL 1370 FWL	[59900] TRIPLE X; BONE SPRING
THISTLE UNIT 127H	30-025-44421	B-22-23S-33E 335 FNL 1720 FEL	[59900] TRIPLE X; BONE SPRING
THISTLE UNIT 128H	30-025-44086	B-22-23S-33E 335 FNL 1630 FEL	[59900] TRIPLE X; BONE SPRING
THISTLE UNIT 133H	30-025-44069	C-22-23S-33E 335 FNL 1730 FWL	[59900] TRIPLE X; BONE SPRING
THISTLE UNIT 86H	30-025-44079	C-22-23S-33E 335 FNL 1400 FWL	[59900] TRIPLE X; BONE SPRING
THISTLE UNIT 99H	30-025-44416	C-22-23S-33E 335 FNL 1760 FWL	[59900] TRIPLE X; BONE SPRING
THISTLE UNIT 108H	30-025-43727	A-21-23S-33E 438 FNL 734 FEL	[96689] BRINNINSTOOL; WOLFCAMP, WEST
THISTLE UNIT 121H	30-025-43732	A-21-23S-33E 438 FNL 764 FEL	[96689] BRINNINSTOOL; WOLFCAMP, WEST
THISTLE UNIT 180H	30-025-48098	C-22-23S-33E 160 FNL 1320 FWL	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP
THISTLE UNIT 181H	30-025-48096	C-22-23S-33E 160 FNL 1350 FWL	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP
THISTLE UNIT 182H	30-025-48097	C-22-23S-33E 160 FNL 1380 FWL	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP
THISTLE UNIT 183H	30-025-49425	B-22-23S-33E 160 FNL 1800 FEL	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP
THISTLE UNIT 184H	30-025-49426	B-22-23S-33E 160 FNL 1770 FEL	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP
THISTLE UNIT 185H	30-025-49427	B-22-23S-33E 160 FNL 1740 FEL	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP

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: see attachments for multiple wells and API's **API:**

Pool: [59900] TRIPLE X; BONE SPRING **Pool Code:**

[96689] BRINNINSTOOL; WOLFCAMP, WEST [98135] WC-025 G-09 S243310P; UPPER WOLFCAMP

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.

10-11-2022

Date

Jenny Harms

Print or Type Name

405-552-6560

Phone Number

Signature

jenny.harms@dv.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

Form C-107-B
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

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., L.P.
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
See attachments					

- (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: Jenny Harms TITLE: Regulatory Specialist

10-11-2022

TYPE OR PRINT NAME Jenny Harms

TELEPHONE NO.: 405-552-6560

E-MAIL ADDRESS: jenny.harms@dmn.com

APPLICATION FOR CENTRAL TANK BATTERY\OFF LEASE MEASUREMENT, SALES, & STORAGE

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 Upgrade Thistle Unit 22 CTB 2, originally approved 6/11/2021

Devon Energy Production Company, LP is requesting approval for an upgrade/revision to Lease Commingle for the following wells, all part of the Federal Thistle Unit. Borders of the Unit and both PAs are identical.

Thistle Unit – NMNM088526X**Participating Agreement – Wolfcamp – NMNM088526B****Federal Lease - NMNM94186 (12.5%)**

Well Name	Location	API/UWI	Pool		
THISTLE UNIT 108H	21-23S-33E	3002543727	96689	BRINNINSTOOL;WOLFCAMP, WEST	
THISTLE UNIT 121H	21-23S-33E	3002543732	96689	BRINNINSTOOL;WOLFCAMP, WEST	
THISTLE UNIT 180H	C-22-23S-33E	30-025-48098	98135	WC-025 G-09 S243310P; UPPER WOLFCAMP	New to upgrade
THISTLE UNIT 181H	C-22-23S-33E	30-025-48096	98135	WC-025 G-09 S243310P; UPPER WOLFCAMP	New to upgrade
THISTLE UNIT 182H	C-22-23S-33E	30-025-48097	98135	WC-025 G-09 S243310P; UPPER WOLFCAMP	New to upgrade
THISTLE UNIT 183H	B-22-23S-33E	30-025-49425	98135	WC-025 G-09 S243310P; UPPER WOLFCAMP	New to upgrade
THISTLE UNIT 184H	B-22-23S-33E	30-025-49426	98135	WC-025 G-09 S243310P; UPPER WOLFCAMP	New to upgrade
THISTLE UNIT 185H	B-22-23S-33E	30-025-49427	98135	WC-025 G-09 S243310P; UPPER WOLFCAMP	New to upgrade

Thistle Unit – NMNM088526X**Participating Agreement – Bone Spring – NMNM088526C****State Lease - V0-2818**

Well Name	Location	API/UWI	Pool	
THISTLE UNIT 100H	22-23S-33E	3002544417	59900	TRIPLE X;BONE SPRING
THISTLE UNIT 110H	22-23S-33E	3002543311	59900	TRIPLE X;BONE SPRING
THISTLE UNIT 111H	22-23S-33E	3002544418	59900	TRIPLE X;BONE SPRING
THISTLE UNIT 114H	22-23S-33E	3002543315	59900	TRIPLE X;BONE SPRING
THISTLE UNIT 115H	22-23S-33E	3002544419	59900	TRIPLE X;BONE SPRING
THISTLE UNIT 116H	22-23S-33E	3002544420	59900	TRIPLE X;BONE SPRING
THISTLE UNIT 125H	22-23S-33E	3002544080	59900	TRIPLE X;BONE SPRING
THISTLE UNIT 127H	22-23S-33E	3002544421	59900	TRIPLE X;BONE SPRING
THISTLE UNIT 128H	22-23S-33E	3002544086	59900	TRIPLE X;BONE SPRING
THISTLE UNIT 133H	22-23S-33E	3002544069	59900	TRIPLE X;BONE SPRING
THISTLE UNIT 86H	22-23S-33E	3002544079	59900	TRIPLE X;BONE SPRING
THISTLE UNIT 99H	22-23S-33E	3002544416	59900	TRIPLE X;BONE SPRING

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 central tank battery, Thistle Unit 22 CTB 2, is located in the Northeast Quarter (NE/4) of the Northeast Quarter (NE/4) of Section 22, Township 23 South, Range 33 East, of the New Mexico Principal Meridian, Lea county, State of New Mexico.

Each well is routed to its own 3-phase separator where the full well stream is separated into gas, oil, and water streams. For each well, after separation, gas is measured with an independent, designated orifice meter for the purpose of allocation, then flows into a gas production line where it is combined with gas from the other wells and flows through a gas orifice sales meter(s) for the purpose of Federal Measurement Point/Sales/Royalty Payment. The oil from the 3-phase separator is measured with an independent, designated Coriolis Meter for the purpose of allocation. It then combines with the oil production from the other wells, flows into the heater treater(s), then into the Ultra-Low Pressure Separator(s) (ULPS), and into one of the oil tanks. The oil is then pumped out of the common tanks to an oil sales meter (LACT unit) for the purpose of Federal Measurement Point/Sales/Royalty Payment. The water from the 3-phase separator is measured with an independent, designated Mag meter for allocation, combines with the water from the other wells, then flows into the gun barrel, and into one of the produced water tanks. Flash gas that exits the heater treater(s) and ULPS(s) flows to the Vapor Recovery Unit (VRU). After exiting the VRU, the gas will be measured through a designated orifice meter for allocation.

The central tank battery will have 8 oil tanks and 12 water tanks that all wells will utilize. All wells will have 1 common gas delivery point(s) on location. They will also share 1 common oil delivery point(s) (LACT) on or directly adjacent to location.

Meter Owner / Serial Number:

Well Name	Gas Allocation Meter	Oil Allocation Meter	Gas FMP	Oil FMP	VRU Allocation Meter
THISTLE UNIT 100 H	390491024	14737358	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 108 H	390491681	DVN	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 110 H	390491025	14742805	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 111 H	390491026	14683344	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 114 H	390491027	14740319	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 115 H	390491028	14749689	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 116 H	390491029	14679540	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 121 H	390491682	DVN	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 125 H	390491030	14683084	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 127 H	390491032	14683089	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 128 H	390491033	14740329	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 133 H	390491034	14742734	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 86 H	390491022	14742735	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 99 H	390491023	14740324	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 180 H	390492002	14820742	390331017, 390331020, 390001021	Enterprise	390001018
THISTLE UNIT 181 H	390492003	14820748	390331017, 390331020, 390001021	Enterprise	390001018
THISTLE UNIT 182 H	390492004	14820754	390331017, 390331020, 390001021	Enterprise	390001018
THISTLE UNIT 183 H	*/DVN	*/DVN	*/DVN	*/DVN	*/DVN
THISTLE UNIT 184 H	*/DVN	*/DVN	*/DVN	*/DVN	*/DVN
THISTLE UNIT 185 H	*/DVN	*/DVN	*/DVN	*/DVN	*/DVN

* 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.

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

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

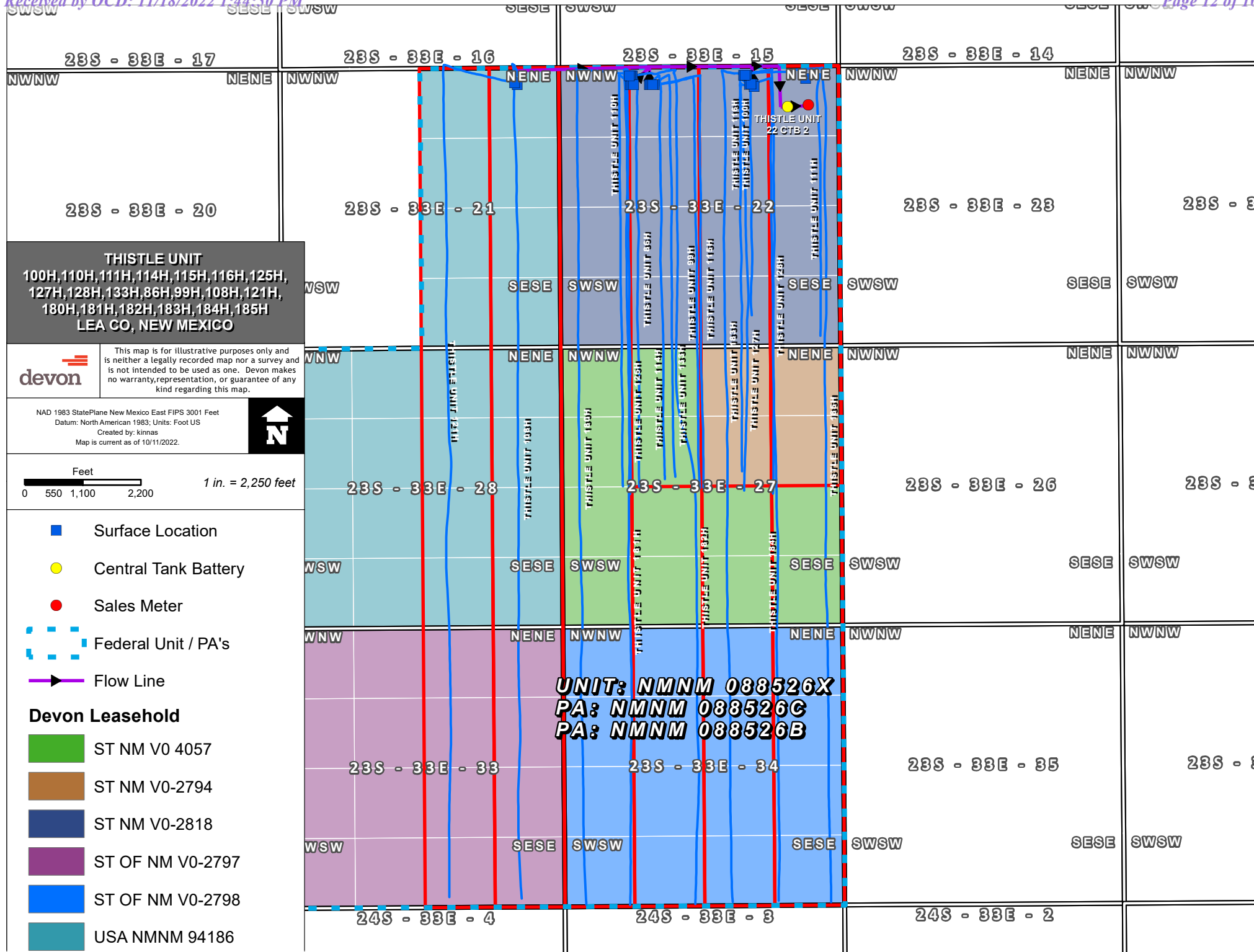
Each well has an oil meter measuring the volume of oil produced by the well. This volume is used as the allocation point to prorate Allocated Production and Total Sales Volume (FMP) back to each well.

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.

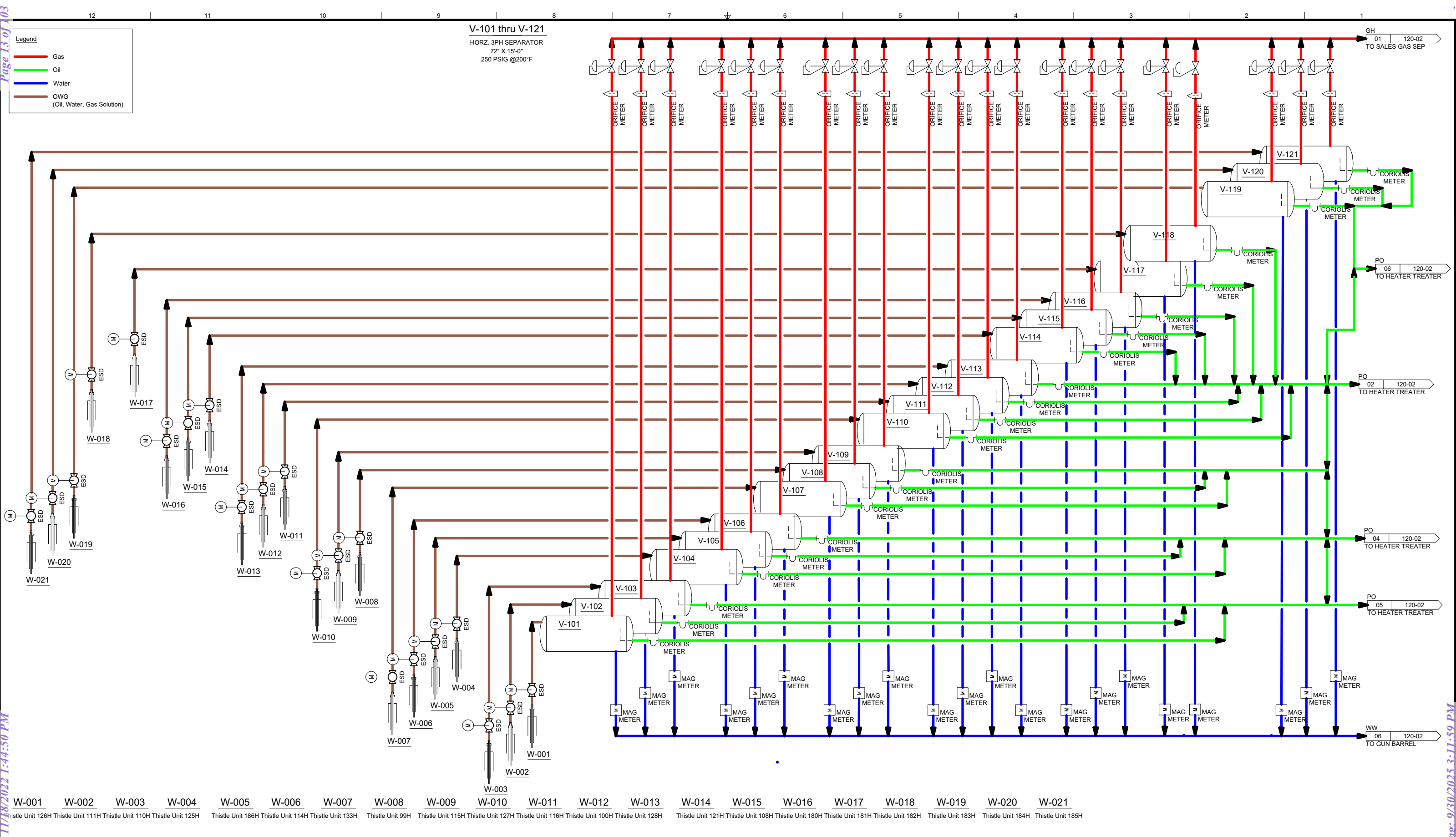
WATER ALLOCATION

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.



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| W-001 | W-002 | W-003 | W-004 | W-005 | W-006 | W-007 | W-008 | W-009 | W-010 | W-011 | W-012 | W-013 | W-014 | W-015 | W-016 | W-017 | W-018 | W-019 | W-020 | W-021 |
| Thistle Unit 126H | Thistle Unit 111H | Thistle Unit 110H | Thistle Unit 125H | Thistle Unit 186H | Thistle Unit 114H | Thistle Unit 133H | Thistle Unit 99H | Thistle Unit 115H | Thistle Unit 127H | Thistle Unit 116H | Thistle Unit 100H | Thistle Unit 128H | Thistle Unit 121H | Thistle Unit 108H | Thistle Unit 180H | Thistle Unit 181H | Thistle Unit 182H | Thistle Unit 183H | Thistle Unit 184H | Thistle Unit 185H |

NOTES:
1) DEVON ENERGY SITE SECURITY PLAN LOCATED IN ARTESIA MAIN OFFICE.
2) ALL METER NUMBER WILL BE SUPPLIED UPON RECEIPT.
3) ALL VALVES WILL BE SEALED 30 MINUTES PRIOR TO SALES.

DRAWING STATUS				DRAWN BY		DATE	
ISSUED FOR		DATE		ENGINEERED BY		DATE	
PHA				APPROVED BY		DATE	
BID				PROJECT No.:		1001	
CONSTRUCTION				DRAWING No.:		120-01	
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.							
REV		DESCRIPTION		DATE		BY APPROVED	
DRAWING REVISION							

Devon Energy Corporation	
333 West Sheridan Avenue, Oklahoma City, OK 73102-5015	
THISTLE 22 CTB 2	
PROCESS FLOW DIAGRAM	
FILE NAME	1001-120-01

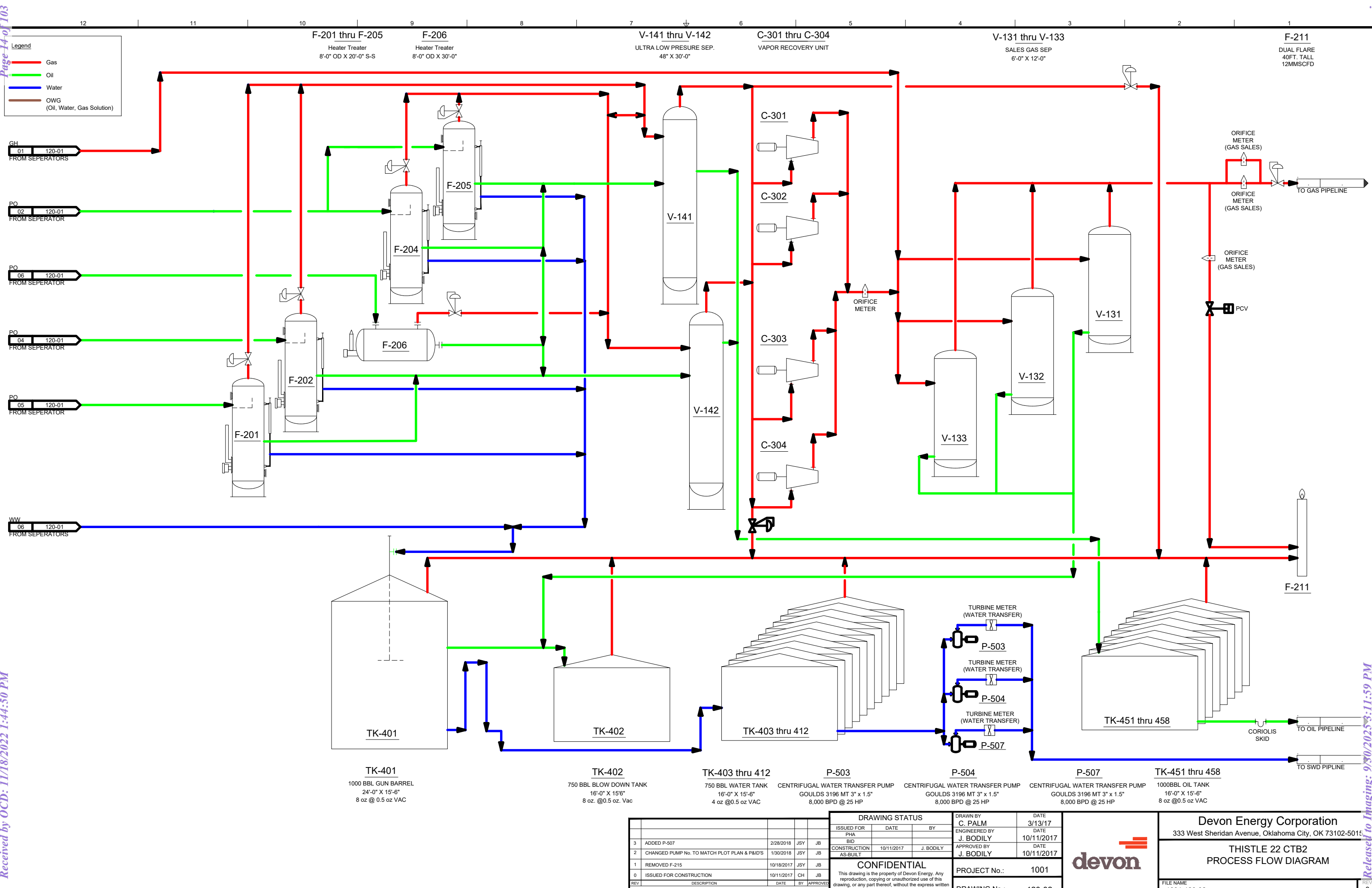
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Users: RABAD@DEVON ENERGY, LUG FACILITIES OPERATIONS - DOCUMENTS\SUBBU\CAPITAL PROJECTS\THISTLE UNIT 22 CTB 2 PHA\3.15.17\AS-BUILT\1001-120-02.DWG

Printed: 4/26/22 PLOT SCALE: 0.5121



Economic Justification Report

Thistle Unit 22 CTB 2

Well Name & Number	Type	State/Fed Lease 1	Royalty Rate	Fed Lease 2 (if applicable)	Royalty Rate	Fed Lease 3 (if applicable)	Royalty Rate	BOPD	Oil Gravity @ 60°	MCFPD	Dry BTU
THISTLE UNIT 100H	Sweet	See attachment						38.1	41.7	133.5	1402
THISTLE UNIT 110H	Sweet							10.3	42.6	820.6	1170
THISTLE UNIT 111H	Sweet							62	41.7	155.1	1402
THISTLE UNIT 114H	Sweet							17.3	42.6	951.9	1170
THISTLE UNIT 115H	Sweet							14	42.6	700	1170
THISTLE UNIT 116H	Sweet							11.6	42.6	1047.4	1170
THISTLE UNIT 125H	Sweet							23.3	42.6	652.9	1170
THISTLE UNIT 127H	Sweet							22	42.6	440.6	1170
THISTLE UNIT 128H	Sweet							28.8	42.6	720.7	1170
THISTLE UNIT 133H	Sweet							19.6	42.6	748.2	1170
THISTLE UNIT 86H	Sweet							64.8	41.7	194.4	1402
THISTLE UNIT 99H	Sweet							58.3	41.7	174.9	1402
THISTLE UNIT 108H	Sweet							363.8	44.8	934.1	1273
THISTLE UNIT 121H	Sweet							343.7	44.8	835.6	1273
THISTLE UNIT 180H	Sweet							513.1	44.8	1282.7	1273
THISTLE UNIT 181H	Sweet							532.2	44.8	1441.1	1273
THISTLE UNIT 182H	Sweet							551.9	44.8	1460.8	1273
THISTLE UNIT 183H	Sweet							845.2	44.8	1972.5	1273
THISTLE UNIT 184H	Sweet							1140.4	44.8	2553	1273
THISTLE UNIT 185H	Sweet							1028.7	44.8	2301.8	1273

Signed:

Jenny Harms

Date: 10/12/2022

Printed Name: Jenny Harms

Title: Regulatory Compliance Specialist

Economic Combined Production

BOPD	Oil Gravity @ 60°	MCFPD	Dry BTU
5689.1	43.1	19521.8	915.9

Commingling these wells will not affect the oil sales price.

TRACKING	STATUS	Name	Interest Type	Street	City	State	Postal Code
9405509898642241203124	DELIEVERED	CONOCOPHILLIPS COMPANY	WI	16930 PARK ROW DRIVE	HOUSTON	TEXAS	77084
9405509898642241203100	DELIEVERED	HOMEBOUND RESOURCES LLC	WI	6321 CAMPUS CIRCLE DR. EAST	IRVING	TEXAS	75063
9405509898642241203186	DELIEVERED	TRAINER PARTNERS, LTD	WI	200 W. ILLINOIS AVE., SUITE 212	MIDLAND	TEXAS	79701
9405509898642241203131	DELIEVERED	MAGNUM HUNTER PRODUCTION INC	OR	4031 SOLUTIONS CTR	CHICAGO	ILLINOIS	60677-4000
9405509898642241203193	DELIEVERED	PERFORMANCE OIL & GAS CO	OR	5400 LYNDON B JOHNSON FWY STE 1500	DALLAS	TEXAS	75240-1017
9405509898642241203278	DELIEVERED	FORAN OIL COMPANY	OR	5400 LYNDON B JOHNSON FWY STE 1500	DALLAS	TEXAS	75240-1017
9405509898642551691680	DELIEVERED	ONRR ROYALTY MANAGEMENT PROGRAM	RI	PO BOX 25627	DENVER	COLORADO	80225-0627
9405509898642241203285	DELIEVERED	STATE OF NEW MEXICO COMMISSION OF PUBLIC LANDS	RI	PO BOX 1148	SANTA FE	NEW MEXICO	87504-1148

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
THISTLE UNIT	114H	3002543315	STATE	NMNM88526C	DEVON
THISTLE UNIT	125H	3002544080	STATE	NMNM88526C	DEVON
THISTLE UNIT	128H	3002544086	STATE	NMNM88526C	DEVON
THISTLE UNIT	180H	3002548098	STATE	NMNM88526B	DEVON
THISTLE UNIT	108H	3002543727	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	99H	3002544416	STATE	NMNM88526C	DEVON
THISTLE UNIT	182h	3002548097	STATE	NMNM88526X	DEVON
THISTLE UNIT	184H	3002549426	STATE	NMNM88526X	DEVON
THISTLE UNIT	100H	3002544417	STATE	NMNM88526C	DEVON
THISTLE UNIT	111H	3002544418	STATE	NMNM88526C	DEVON
THISTLE UNIT	181H	3002548096	STATE	NMNM88526B	DEVON
THISTLE UNIT	185H	3002549427	STATE	NMNM88526X	DEVON
THISTLE UNIT	110H	3002543311	STATE	NMNM88526C	DEVON
THISTLE UNIT	127H	3002544421	STATE	NMNM88526C	DEVON
THISTLE UNIT	86H	3002544079	STATE	NMNM88526X	DEVON
THISTLE UNIT	116H	3002544420	STATE	NMNM88526C	DEVON
THISTLE UNIT	133H	3002544069	STATE	NMNM88526C	DEVON
THISTLE UNIT	121H	3002543732	NMNM94186	NMNM88526B	DEVON
THISTLE UNIT	183H	3002549425	STATE	NMNM88526X	DEVON
THISTLE UNIT	115H	3002544419	STATE	NMNM88526C	DEVON

Notice of Intent

Sundry ID: 2697134

Type of Submission: Notice of Intent

Date Sundry Submitted: 10/11/2022

Date proposed operation will begin: 10/10/2022

Type of Action: Commingling (Surface)

Time Sundry Submitted: 11:57

Procedure Description: APPLICATION FOR CENTRAL TANK BATTERY\OFF LEASE MEASUREMENT, SALES, & STORAGE 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 Upgrade Thistle Unit 22 CTB 2, originally approved 6/11/2021; New wells to CTB: THISTLE UNIT 180H 30-025-48098 THISTLE UNIT 181H 30-025-48096 THISTLE UNIT 182H 30-025-48097 THISTLE UNIT 183H 30-025-49425 THISTLE UNIT 184H 30-025-49426 THISTLE UNIT 185H 30-025-49427

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Thistle_Unit_22_CTB_2_BLM_SUBMITTAL__10_10_2022_20221011115654.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: JENNY HARMS

Signed on: OCT 11, 2022 11:57 AM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Compliance Professional

Street Address: 333 West Sheridan Avenue

City: Oklahoma City **State:** OK

Phone: (405) 552-6560

Email address: jennifer.harms@dvn.com

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

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		Weight:	1.00 LBS
		Declared value:	0.00 USD
		Package Contents:	
		Document Description:	
		Shipment Purpose:	
		Invoice number:	
To:	Commissioner of Public Lands ATTN: Commingling Manager 310 OLD SANTA FED TRAIL SANTA FE, NM 87504 US 4055526560	Freight On Value:	FedEx Standard Rate
		Pricing Option:	Priority Overnight
		Service type:	FedEx Envelope
		Package type:	Drop off package at FedEx location
		Pickup/Drop Off:	9001002213
		Your reference:	23.91 USD
		Courtesy rate quote:*	
		Discounted variable %:	
Tracking no.:	770310939282	Special services:	
		Shipment type:	Express
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Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
THISTLE UNIT	125H	3002544080	STATE	NMNM88526C	DEVON
THISTLE UNIT	121H	3002543732	NMNM94186	NMNM94186	DEVON
THISTLE UNIT	114H	3002543315	STATE	NMNM88526C	DEVON
THISTLE UNIT	99H	3002544416	STATE	NMNM88526C	DEVON
THISTLE UNIT	110H	3002543311	STATE	NMNM88526C	DEVON
THISTLE UNIT	116H	3002544420	STATE	NMNM88526C	DEVON
THISTLE UNIT	133H	3002544069	STATE	NMNM88526C	DEVON
THISTLE UNIT	128H	3002544086	STATE	NMNM88526C	DEVON
THISTLE UNIT	127H	3002544421	STATE	NMNM88526C	DEVON
THISTLE UNIT	111H	3002544418	STATE	NMNM88526C	DEVON
THISTLE UNIT	86H	3002544079	STATE	NMNM88526X	DEVON
THISTLE UNIT	108H	3002543727	NMNM94186	NMNM94186	DEVON
THISTLE UNIT	115H	3002544419	STATE	NMNM88526C	DEVON
THISTLE UNIT	110H	3002544417	STATE	NMNM88526C	DEVON

Notice of Intent

Type of Submission: Notice of Intent

Type of Action Commingling (Surface)

Date Sundry Submitted: 05/17/2021

Time Sundry Submitted: 02:35

Date proposed operation will begin: 08/13/2020

Procedure Description: Originally submitted 8/14/2020 - Devon Energy Production Company, L.P. respectfully requests commingle approval for the Thistle Unit 22 CTB 2. APPLICATION FOR CENTRAL TANK BATTERY\OFF LEASE MEASUREMENT, SALES, & STORAGE 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 22 CTB 2 Devon Energy Production Company, LP is requesting approval for a Lease Commingle for the following wells, all part of the Federal Thistle Unit. Borders of the Unit and both PAs are identical. Thistle Unit – NMNM088526X, Participating Agreement – Wolfcamp – NMNM088526B, Participating Agreement – Bone Spring – NMNM088526C. Please see attached application.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Released to Imaging: 9/30/2025 3:11:59 PM

Thistle_Unit_22_CTB_2_Submitted_BLM_Comingling_Application_Revised_20210517143533.pdf

Conditions of Approval**Specialist Review**

Surface_Commingling_COA_20210611161012.pdf

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: REBECCA DEAL**Signed on:** MAY 17, 2021 02:35 PM**Name:** DEVON ENERGY PRODUCTION COMPANY LP**Title:** Regulatory Compliance Professional**Street Address:** 333 West Sheridan Avenue**City:** Oklahoma City **State:** OK**Phone:** (405) 228-8429**Email address:** Rebecca.Deal@dvn.com**Field Representative****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:** 06/11/2021**Signature:** Jonathon Shepard

APPLICATION FOR CENTRAL TANK BATTERY\OFF LEASE MEASUREMENT, SALES, & STORAGE

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 22 CTB 2

Devon Energy Production Company, LP is requesting approval for a Lease Commingle for the following wells, all part of the Federal Thistle Unit. Borders of the Unit and both PAs are identical.

Thistle Unit – NMNM088526X
Participating Agreement – Wolfcamp – NMNM088526B
Federal Lease - NMNM94186 (12.5%)

Well Name	Location	API/UWI	Pool		BOPD	OG	MCFPD	BTU
THISTLE UNIT 108H	21-23S-33E	3002543727	96689	BRINNINSTOOL;WOLFCAMP, WEST	2300	43.5	4600	1035
THISTLE UNIT 121H	21-23S-33E	3002543732	96689	BRINNINSTOOL;WOLFCAMP, WEST	2300	43.5	4600	1035

Thistle Unit – NMNM088526X
Participating Agreement – Bone Spring – NMNM088526C
State Lease - V0-2818

Well Name	Location	API/UWI	Pool		BOPD	OG	MCFPD	BTU
THISTLE UNIT 100H	22-23S-33E	3002544417	59900	TRIPLE X;BONE SPRING	110	4.4	300	1125.3
THISTLE UNIT 110H	22-23S-33E	3002543311	59900	TRIPLE X;BONE SPRING	300	41.5	1550	1020.2
THISTLE UNIT 111H	22-23S-33E	3002544418	59900	TRIPLE X;BONE SPRING	75	41.2	100	1077.0
THISTLE UNIT 114H	22-23S-33E	3002543315	59900	TRIPLE X;BONE SPRING	40	41.7	1900	1020.9
THISTLE UNIT 115H	22-23S-33E	3002544419	59900	TRIPLE X;BONE SPRING	45	43	1100	1022.9
THISTLE UNIT 116H	22-23S-33E	3002544420	59900	TRIPLE X;BONE SPRING	25	43.7	1600	1024.8
THISTLE UNIT 125H	22-23S-33E	3002544080	59900	TRIPLE X;BONE SPRING	35	42.2	900	1047.1
THISTLE UNIT 127H	22-23S-33E	3002544421	59900	TRIPLE X;BONE SPRING	40	422	850	1046.2
THISTLE UNIT 128H	22-23S-33E	3002544086	59900	TRIPLE X;BONE SPRING	45	43	1000	1051.9
THISTLE UNIT 133H	22-23S-33E	3002544069	59900	TRIPLE X;BONE SPRING	30	40	900	1050.4
THISTLE UNIT 86H	22-23S-33E	3002544079	59900	TRIPLE X;BONE SPRING	150	42	450	1051.7
THISTLE UNIT 99H	22-23S-33E	3002544416	59900	TRIPLE X;BONE SPRING	100	41.9	300	1052.3

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 central tank battery, Thistle Unit 22 CTB 2, is located in the Northeast Quarter (NE/4) of the Northeast Quarter (NE/4) of Section 22, Township 23 South, Range 33 East, of the New Mexico Principal Meridian, Lea county, State of New Mexico. Surface is State acreage - per unit agreement, is CTB accessible for inspection at BLM discretion.

Each well is routed to its own 3-phase separator where the full well stream is separated into gas, oil, and water

Devon - Internal
Devon - General

streams. For each well, after separation, gas is measured with an independent, designated orifice meter for the purpose of allocation, then flows into a gas production line where it is combined with gas from the other wells and flows through a gas orifice sales meter(s) for the purpose of Federal Measurement Point/Sales/Royalty Payment. The oil from the 3-phase separator is measured with an independent, designated Coriolis Meter for the purpose of allocation. It then combines with the oil production from the other wells, flows into the heater treater(s), then into the Ultra-Low Pressure Separator(s) (ULPS), and into one of the oil tanks. The oil is then pumped out of the common tanks to an oil sales meter (LACT unit) for the purpose of Federal Measurement Point/Sales/Royalty Payment. The water from the 3-phase separator is measured with an independent, designated Mag meter for allocation, combines with the water from the other wells, then flows into the gun barrel, and into one of the produced water tanks. Flash gas that exits the heater treater(s) and ULPS(s) flows to the Vapor Recovery Unit (VRU). After exiting the VRU, the gas will be measured through a designated orifice meter for allocation.

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The central tank battery will have 8 oil tanks and 12 water tanks that all wells will utilize. All wells will have 1 common gasdelivery point(s) on location. They will also share 1 common oil delivery point(s) (LACT) on or directly adjacent to location.

Meter Owner / Serial Number:

Well Name	Gas Allocation Meter	Oil Allocation Meter	Gas FMP	Oil FMP	VRU Allocation Meter
THISTLE UNIT 100 H	390491024	14737358	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 108 H	390491681	DVN	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 110 H	390491025	14742805	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 111 H	390491026	14683344	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 114 H	390491027	14740319	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 115 H	390491028	14749689	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 116 H	390491029	14679540	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 121 H	390491682	DVN	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 125 H	390491030	14683084	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 127 H	390491032	14683089	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 128 H	390491033	14740329	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 133 H	390491034	14742734	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 86 H	390491022	14742735	390331017, 390331020, 390001021	39050127	390001018
THISTLE UNIT 99 H	390491023	14740324	390331017, 390331020, 390001021	39050127	390001018

* 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’s3-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 is appropriate based on the BLM’s guidance in IM NMPO 2013-02 & 43 CFR 3173.14. 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.

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

Date: 02/13/2020

Devon - Internal
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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

Devon - General

- 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. Off lease FMP: Justification for off lease measurement (OLM)
 - i. Devon believes the addition of the production pad will create a safer work environment on the well pads and it will improve the interim reclamation.
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.

Devon - General

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.

Devon - General

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 ALOC	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								

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

	Ttract 1	Ttract 2	Ttract 3	Ttract 4	Ttract 5
	960 AC	640 AC	160 AC	640 AC	480 AC
	NMINM 94186	State Lease	State Lease	State Lease	State Lease
Participation Agreement NMINM 08526B					
Wolfcamp FM					
	100	18%	5%	18%	13%
BRINKNSTOOL:WOLFCAMP, WEST (96689)					
THISTLE UNIT 108H					
(API 30-025-43727)					
21-235-33E					
	960	640	160	640	480

THISTLE UNIT 121H
(API 30-025-43732)
21-235-33E

	Ttract 1	Ttract 2	Ttract 3	Ttract 4	Ttract 5
	960 AC	640 AC	160 AC	640 AC	480 AC
	NMINM 94186	State Lease	State Lease	State Lease	State Lease
Participation Agreement NMINM 08526C					
Bone Spring FM					
	100	18%	5%	18%	13%
TRIPLE X:BONE SPRING (59900)					
THISTLE UNIT 100H					
(API 30-025-44417)					
22-235-33E					
	960	640	160	640	480

THISTLE UNIT 110H
(API 30-025-43311)
22-235-33E

THISTLE UNIT 111H
(API 30-025-44418)
22-235-33E

THISTLE UNIT 114H
(API 30-025-43315)
22-235-33E

THISTLE UNIT 115H
(API 30-025-44419)
22-235-33E

THISTLE UNIT 116H
(API 30-025-44420)
22-235-33E

THISTLE UNIT 125H
(API 30-025-44080)
22-235-33E

THISTLE UNIT 127H
(API 30-025-44421)
22-235-33E

THISTLE UNIT 128H
(API 30-025-44086)
22-235-33E

THISTLE UNIT 133H
(API 30-025-44069)
22-235-33E

THISTLE UNIT 86H
(API 30-025-44079)
22-235-33E

THISTLE UNIT 99H
(API 30-025-44416)
22-235-33E

Economic Justification Report

Thistle Unit 22 CTB 2

Value (bbl): \$9.79

Value (mcf): \$1.16

Well Name & Number	Type	State/Fed Lease 1	Royalty Rate	Fed Lease 2 (if applicable)	Royalty Rate	Fed Lease 3 (if applicable)	Royalty Rate	BOPD	Oil Gravity @ 60°	MCFPD	Dry BTU
THISTLE UNIT 100H	Sweet	ST NM V0-2818						110	41.4	300	1125.3
THISTLE UNIT 110H	Sweet	ST NM V0-2818						300	41.5	1550	1020.2
THISTLE UNIT 111H	Sweet	ST NM V0-2818						75	41.2	100	1077
THISTLE UNIT 114H	Sweet	ST NM V0-2818						40	41.7	1990	1020.9
THISTLE UNIT 115H	Sweet	ST NM V0-2818						45	43	110	1022.9
THISTLE UNIT 116H	Sweet	ST NM V0-2818						25	43.7	1600	1024.8
THISTLE UNIT 125H	Sweet	ST NM V0-2818						35	42.2	900	1047.1
THISTLE UNIT 127H	Sweet	ST NM V0-2818						40	42.2	850	1046.2
THISTLE UNIT 128H	Sweet	ST NM V0-2818						45	43	1000	1051.9
THISTLE UNIT 133H	Sweet	ST NM V0-2818						30	40	900	1047.1
THISTLE UNIT 86H	Sweet	ST NM V0-2818						150	42	450	1051.7
THISTLE UNIT 99H	Sweet	ST NM V0-2818						100	41.9	300	1052.3
THISTLE UNIT 108H	Sweet	NMNM 94186	12.50%					2300	43.5	4600	1035
THISTLE UNIT 121H	Sweet	NMNM 94186	12.50%					2300	43.5	4600	1035

Signed: Rebecca Deal

Date: 8/13/2020

Printed Name: Rebecca Deal

Economic Combined Production

BOPD

Oil Gravity @ 60°

MCFPD

Dry BTU

5595.0

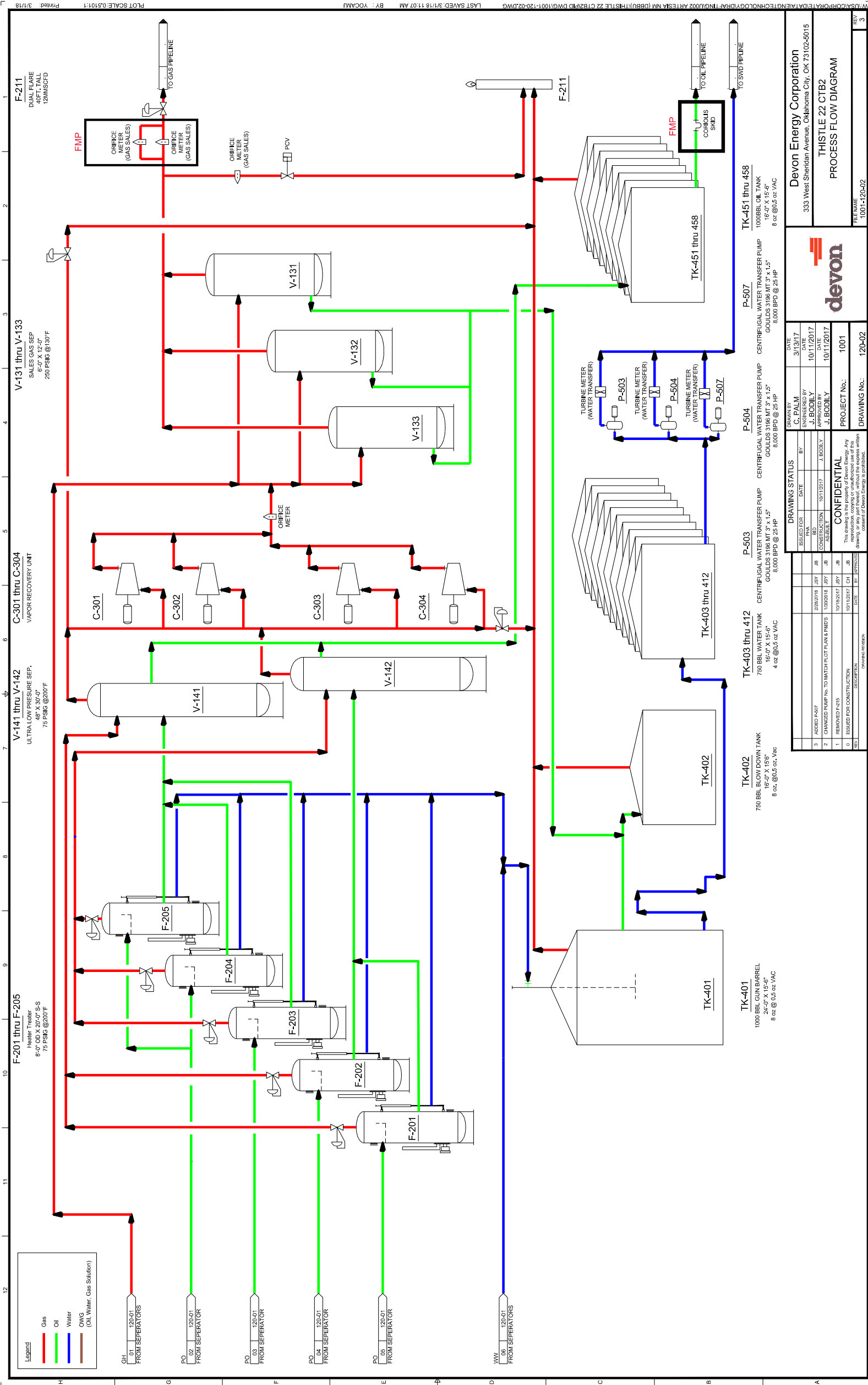
43.2

19250.0

1036.2

Commingling these wells will not affect the oil sales price. Per Gas Marketing, will not affect royalty value.





DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
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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 088526B

Case File Juris:

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

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/DEVONENEPROD	

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

Total Acres: 3,520.000

Serial Number NMNM 088526C

Case Type 318230: O&G PARTICIPATING AREA

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

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	County	Mgmt Agency
23	0230S	0330E	021		ALIQ			E2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	022		ALIQ			ALL;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	027		ALIQ			ALL;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	028		ALIQ			ALL;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	033		ALIQ			ALL;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0230S	0330E	034		ALIQ			ALL;	CARLSBAD FIELD OFFICE	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 - THISLTE 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			

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
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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	

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
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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	Mgmt Agency
23	0230S	0330E	021		ALIQ			E2;	CARLSBAD FIELD OFFICE	BUREAU OF LAND MGMT
23	0230S	0330E	022		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	BUREAU OF LAND MGMT
23	0230S	0330E	027		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	BUREAU OF LAND MGMT
23	0230S	0330E	028		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	BUREAU OF LAND MGMT
23	0230S	0330E	033		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	BUREAU OF LAND MGMT
23	0230S	0330E	034		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	BUREAU OF LAND MGMT

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

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

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01 02-25-1920;041STAT0437;30USC226
Case Type 311111: O&G LSE NONCOMP PUB LAND
Commodity 459: OIL & GAS
Case Disposition: AUTHORIZED

Total Acres:
960.000

Serial Number
NMNM 094186

Case File Juris:

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	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	028		ALL			ENTIRE SECTION	CARLSBAD FIELD OFFICE	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

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				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/DEVONENEPROD	
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	

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

From: [Rossmango, Dylan A](#)
To: [Deal, Rebecca](#)
Cc: [Workman, Erin](#)
Subject: Re: [EXTERNAL] FW: Thistle Unit 22 CTB 2_Submitted Commingling Application Rev.pdf
Date: Wednesday, August 19, 2020 10:02:26 AM

Rebecca,

I am granting verbal approval to allow surface commingling at the Thistle Unit 22 CTB 2 as described in EC525609. This is a unit PA oil and gas commingle with equal percentage of federal acreage between the two approved PAs, NMNM088526B (Wolfcamp) and NMNM088526C (Bone Spring).

I will contact you if I need any further information prior to an official approval.

Thank you,

Dylan Rossmango
Petroleum Engineer
Carlsbad Field Office
620 E. Greene Street
Carlsbad, NM 88220
(575)234-5998
drossmango@blm.gov

From: Workman, Erin <Erin.Workman@dvn.com>
Sent: Wednesday, August 19, 2020 8:03 AM
To: Rossmango, Dylan A <drossmango@blm.gov>
Subject: [EXTERNAL] FW: Thistle Unit 22 CTB 2_Submitted Commingling Application Rev.pdf

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Devon - General

From: Deal, Rebecca <Rebecca.Deal@dvn.com>
Sent: Tuesday, August 18, 2020 7:46 AM
To: Workman, Erin <Erin.Workman@dvn.com>
Subject: Thistle Unit 22 CTB 2_Submitted Commingling Application Rev.pdf

Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

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District II
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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
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District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44416	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 99H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3711.5

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
C	22	23 S	33 E		335	NORTH	1760	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
F	27	23 S	33 E		2631	NORTH	2530	WEST	LEA

¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>THISTLE UNIT 99H ELEV. = 3711.5' LAT. = 32.2965477°N (NAD83) LONG. = 103.5630646°W NMSP EAST (FT) N = 472471.48 E = 779345.02</p> <p>SECTION CORNER LAT. = 32.2829508°N LONG. = 103.5687577°W NMSP EAST (FT) N = 467512.36 E = 777619.12</p> <p>W/4 CORNER SEC. 27 LAT. = 32.2756899°N LONG. = 103.5687542°W NMSP EAST (FT) N = 464870.84 E = 777639.03</p> <p>SW CORNER SEC. 27 LAT. = 32.2684420°N LONG. = 103.5687493°W NMSP EAST (FT) N = 462234.08 E = 777659.34</p> <p>S/4 CORNER SEC. 27 LAT. = 32.2684420°N LONG. = 103.5687493°W NMSP EAST (FT) N = 462234.08 E = 777659.34</p> <p>SECTION CORNER LAT. = 32.2829270°N LONG. = 103.5516698°W NMSP EAST (FT) N = 467541.76 E = 782900.10</p> <p>E/4 CORNER SEC. 27 LAT. = 32.2757053°N LONG. = 103.5516694°W NMSP EAST (FT) N = 464914.49 E = 782919.36</p> <p>SE CORNER SEC. 27 LAT. = 32.2684152°N LONG. = 103.5516675°W NMSP EAST (FT) N = 462262.37 E = 782939.28</p> <p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. ELEVATION VALUES ARE NAVD88.</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Rebecca Deal</i> 9/11/2018 Signature Date</p> <p>Rebecca Deal, Regulatory Analyst Printed Name</p> <p>rebecca.deal@dvn.com E-mail Address</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>SEPTEMBER 10, 2018 Date of Survey</p> <p><i>FILIMON F. JARAMILLO</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number: FILIMON F. JARAMILLO, PLS 12797 SURVEY NO. 5559B</p>
---	--

Intent ☐ As Drilled ☒

API # 30-025-44416		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 99H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	22	23S	33E		155	NORTH	2511	WEST	LEA
Latitude 32.2970398					Longitude 103.5606344				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	22	23S	33E		627	NORTH	2529	WEST	LEA
Latitude 32.2957415					Longitude 103.5605778				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
F	27	23S	33E		2499	NORTH	2524	WEST	LEA
Latitude 32.2760717					Longitude 103.5605889				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 # 30-025-40898		
Operator Name: DEVON ENERGY PRODUCTION CO.	Property Name: THISTLE UNIT	Well Number 43H

KZ 06/29/2018

District I
1625 N. French Dr., Hobbs, NM 88240
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44417	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 100H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3713.1

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
B	22	23 S	33 E		335	NORTH	1660	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
G	27	23 S	33 E		2630	NORTH	1705	EAST	LEA

¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>NW CORNER SEC. 22 LAT. = 32.2974757°N LONG. = 103.5687592°W NMSP EAST (FT) N = 472796.48 E = 777580.98</p> <p>237° FNL, 1674' FEL LAT. = 32.2968089°N LONG. = 103.5570896°W NMSP EAST (FT) N = 472579.82 E = 781188.59</p> <p>SW CORNER SEC. 22 LAT. = 32.2829508°N LONG. = 103.5687577°W NMSP EAST (FT) N = 467512.36 E = 777619.12</p> <p>W Q CORNER SEC. 27 LAT. = 32.2756899°N LONG. = 103.5687542°W NMSP EAST (FT) N = 464870.84 E = 777639.03</p> <p>SW CORNER SEC. 27 LAT. = 32.2684420°N LONG. = 103.5687493°W NMSP EAST (FT) N = 462234.08 E = 777659.34</p> <p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. VERTICAL DATUM NAVD88.</p> <p>AS-DRILLED BOTTOM OF HOLE LAT. = 32.2757062°N LONG. = 103.5571831°W NMSP EAST (FT) N = 464902.45 E = 781215.24 DNF</p>	<p>N89°40'36"E 2638.92 FT N89°40'34"E 2641.35 FT N Q CORNER SEC. 22 LAT. = 32.2974646°N LONG. = 103.5602208°W NMSP EAST (FT) N = 472811.37 E = 780219.33</p> <p>SURFACE LOCATION THISTLE UNIT 100H ELEV. = 3713.1' LAT. = 32.2965398°N (NAD83) LONG. = 103.5570461°W NMSP EAST (FT) N = 472482.00 E = 781202.74</p> <p>S Q CORNER SEC. 22 LAT. = 32.2829394°N LONG. = 103.5602131°W NMSP EAST (FT) N = 467527.14 E = 780259.81</p> <p>LAST TAKE POINT 2541' FNL, 1703' FEL LAT. = 32.2759517°N LONG. = 103.5571773°W NMSP EAST (FT) N = 464991.77 E = 781216.39</p> <p>E Q CORNER SEC. 27 LAT. = 32.2757053°N LONG. = 103.5516694°W NMSP EAST (FT) N = 464914.49 E = 782919.36</p> <p>SE CORNER SEC. 27 LAT. = 32.2684152°N LONG. = 103.5516675°W NMSP EAST (FT) N = 462262.37 E = 782939.28</p>	<p>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> 9/24/2018 Signature Date Rebecca Deal, Regulatory Analyst Printed Name rebecca.deal@dvn.com E-mail Address</p> <p>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. SEPTEMBER 14, 2018 Date of Survey FILIMON F. JARAMILLO Signature and Seal of Professional Surveyor Certificate Number FILIMON F. JARAMILLO, PLS 12797 SURVEY NO. 5561A</p>
---	--	---

Intent ☐ As Drilled ☒API #
30-025-44417

Operator Name: DEVON ENERGY PRODUCTION CO., L.P.	Property Name: THISTLE UNIT	Well Number 100H
--	---------------------------------------	----------------------------

Kick Off Point (KOP)

UL B	Section 22	Township 23S	Range 33E	Lot	Feet 237	From N/S NORTH	Feet 1674	From E/W EAST	County LEA
Latitude 32.2968089					Longitude 103.5570896			NAD 83	

First Take Point (FTP)

UL B	Section 22	Township 23S	Range 33E	Lot	Feet 794	From N/S NORTH	Feet 1673	From E/W EAST	County LEA
Latitude 32.2952772					Longitude 103.5570899			NAD 83	

Last Take Point (LTP)

UL G	Section 27	Township 23S	Range 33E	Lot	Feet 2541	From N/S NORTH	Feet 1703	From E/W EAST	County LEA
Latitude 32.2759517					Longitude 103.5571773			NAD 83	

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

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

API #
30-025-40898

Operator Name: DEVON ENERGY PRODUCTION CO.	Property Name: THISTLE UNIT	Well Number 43H
--	---------------------------------------	---------------------------

KZ 06/29/2018

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Santa Fe, New Mexico 87505

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-43727	Pool Code 96689	Pool Name BRINNINSTOOL; WOLFCAMP WEST
Property Code	Property Name THISTLE UNIT	Well Number 108H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3724.0'

Surface Location

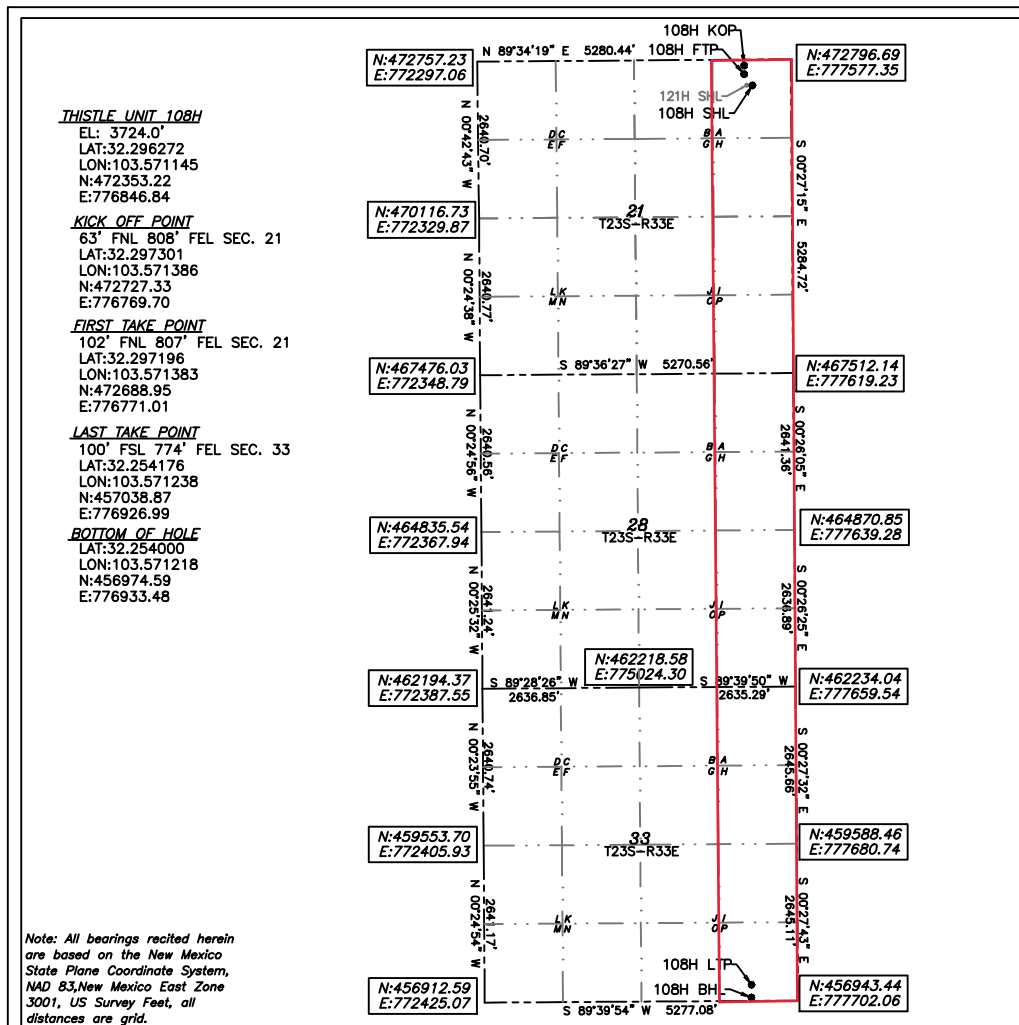
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	21	23-S	33-E		438	NORTH	734	EAST	LEA

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
P	33	23-S	33-E		36	SOUTH	768	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
480			

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



OPERATOR CERTIFICATION

I hereby certify that the information 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.

Rebecca Deal 8/25/2020
Signature Date

Rebecca Deal, Regulatory Analyst

Printed Name

rebecca.deal@dvn.com

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.

April 22, 2020

Date of Survey

Signature & Seal of Professional Surveyor



08/25/20

Certificate No. 22404

B.L. LAMAN

W.O. #

DRAWN BY: CM

Intent ☐ As Drilled ☐

API # 30-025-43727		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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 30-025-43315	² Pool Code 59900	³ Pool Name TRIPLE X; BONE SPRING
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	
⁶ Well Number 114H		
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	
	⁹ Elevation 3711.5	

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
C	22	23 S	33 E		335	NORTH	1700	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
F	27	23 S	33 E		2501	NORTH	1881	WEST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
240			

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. 22
LAT. = 32.2974757°N
LONG. = 103.5687592°W
NMSP EAST (FT)
N = 472796.48
E = 777580.98

W/4 CORNER SEC. 22
SCALED

SECTION CORNER
LAT. = 32.2829508°N
LONG. = 103.5687577°W
NMSP EAST (FT)
N = 467512.36
E = 777619.12

W/4 CORNER SEC. 27
LAT. = 32.2756899°N
LONG. = 103.5687542°W
NMSP EAST (FT)
N = 464870.84
E = 777639.03

SW CORNER SEC. 27
LAT. = 32.2684420°N
LONG. = 103.5687493°W
NMSP EAST (FT)
N = 462234.08
E = 777659.34

N89°40'36"E 2638.92' FT
N89°40'34"E 2641.35 FT
N/4 CORNER SEC. 22
LAT. = 32.2974646°N
LONG. = 103.5602208°W
NMSP EAST (FT)
N = 472811.37
E = 780219.33

NE CORNER SEC. 22
LAT. = 32.2974530°N
LONG. = 103.5516745°W
NMSP EAST (FT)
N = 472826.30
E = 782860.12

E/4 CORNER SEC. 22
LAT. = 32.2901991°N
LONG. = 103.5516779°W
NMSP EAST (FT)
N = 470187.30
E = 782878.31

SECTION CORNER
LAT. = 32.2829270°N
LONG. = 103.5516698°W
NMSP EAST (FT)
N = 467541.76
E = 782900.10

E/4 CORNER SEC. 27
LAT. = 32.2757053°N
LONG. = 103.5516694°W
NMSP EAST (FT)
N = 464914.49
E = 782919.36

SE CORNER SEC. 27
LAT. = 32.2684152°N
LONG. = 103.5516675°W
NMSP EAST (FT)
N = 462262.37
E = 782939.28

THISTLE UNIT 114H
ELEV. = 3711.5'
LAT. = 32.2965480°N (NAD83)
LONG. = 103.5632587°W
NMSP EAST (FT)
N = 472471.15
E = 779283.03

SEC. 22
QUARTER CORNER
LAT. = 32.2829394°N
LONG. = 103.5602131°W
NMSP EAST (FT)
N = 447527.14
E = 770259.81

SEC. 27
BOTTOM OF HOLE
LAT. = 32.2760693°N
LONG. = 103.5626687°W
NMSP EAST (FT)
N = 465022.34
E = 779518.88

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. ELEVATION VALUES ARE NAVD88.

S/4 CORNER SEC. 27
SCALED

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 **9/11/2018**

Signature _____ Date _____

Rebecca Deal, Regulatory Analyst

Printed Name _____

rebecca.deal@dvn.com

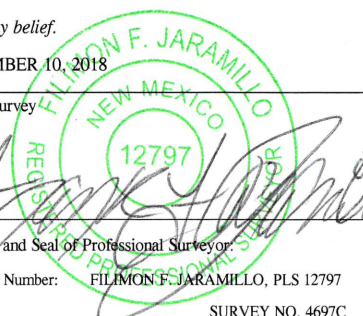
E-mail Address _____

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.

SEPTEMBER 10, 2018

Date of Survey _____



Signature and Seal of Professional Surveyor _____

Certificate Number: **FILIMON F. JARAMILLO, PLS 12797**

SURVEY NO. 4697C

Intent ☐ As Drilled ☒

API # 30-025-43315		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 114H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	22	23S	33E		157	NORTH	1890	WEST	LEA
Latitude 32.2970371					Longitude 103.5626444				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	22	23S	33E		568	NORTH	1912	WEST	LEA
Latitude 32.2764230					Longitude 103.5626721				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
F	27	23S	33E		2372	NORTH	1880	WEST	LEA
Latitude 32.2959061					Longitude 103.5625737				NAD 83

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

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

API # 30-025-40898		
Operator Name: DEVON ENERGY PRODUCTION CO.	Property Name: Thistle Unit	Well Number 43H

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 RD., AZTEC, NM 87410
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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

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Revised August 1, 2011
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District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-43732	Pool Code 96689	Pool Name BRINNINSTOOL; WOLFCAMP WEST
Property Code 30884	Property Name THISTLE UNIT	Well Number 121H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3724.2'

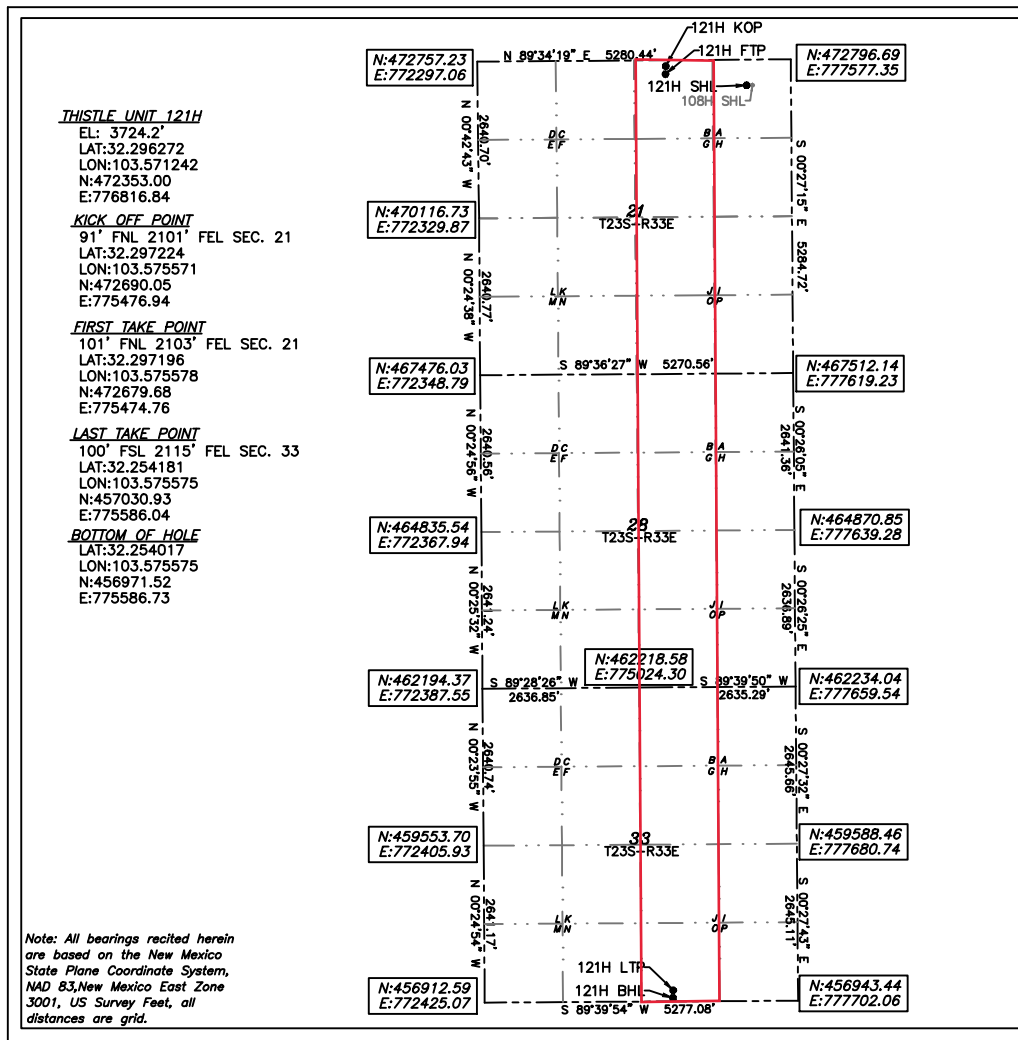
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	21	23-S	33-E		438	NORTH	764	EAST	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
0	33	23-S	33-E		40	SOUTH	2115	EAST	LEA
Dedicated Acres 480	Joint or Infill	Consolidation Code	Order No.						

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



OPERATOR CERTIFICATION

I hereby certify that the information 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.

Rebecca Deal 8/25/2020
Signature Date

Rebecca Deal, Regulatory Analyst
Printed Name

rebecca.deal@dvn.com
E-mail Address

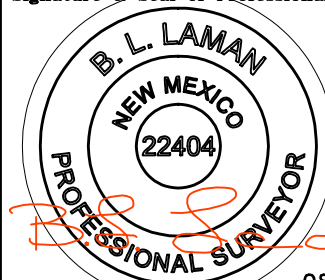
SURVEYOR CERTIFICATION

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.

March 24, 2020

Date of Survey

Signature & Seal of Professional Surveyor



08/25/20

Certificate No. 22404 B.L. LAMAN
W.O. # DRAWN BY: CM

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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 30-025-44069	² Pool Code 59900	³ Pool Name TRIPLE X;BONE SPRING
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 133H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3711.5

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
C	22	23 S	33 E		335	NORTH	1730	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
F	27	23 S	33 E		2458	NORTH	2079	WEST	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.

<p>17 OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Rebecca Deal</i> 9/11/2018 Signature Date</p> <p>Rebecca Deal, Regulatory Analyst Printed Name</p> <p>rebecca.deal@dvn.com E-mail Address</p>		<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>SEPTEMBER 10, 2018 Date of Survey</p> <p><i>Filimon F. Jaramillo</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number: FILIMON F. JARAMILLO, PLS 12797 SURVEY NO. 4701C</p>	
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WELL LOCATION AND ACREAGE DEDICATION PLAT

THISTLE UNIT 133H
ELEV. = 3711.5'
LAT. = 32.2965479°N (NAD83)
LONG. = 103.5631616°W
NMSP EAST (FT)
N = 472796.48
E = 777580.98

BOTTOM OF HOLE
LAT. = 32.2761864°N
LONG. = 103.5620277°W
NMSP EAST (FT)
N = 465066.34
E = 779716.69

SECTION CORNER
LAT. = 32.2829508°N
LONG. = 103.5687577°W
NMSP EAST (FT)
N = 467512.36
E = 777619.12

SECTION CORNER
LAT. = 32.2757053°N
LONG. = 103.5516694°W
NMSP EAST (FT)
N = 464914.49
E = 782919.36

SECTION CORNER
LAT. = 32.2684152°N
LONG. = 103.5516675°W
NMSP EAST (FT)
N = 462262.37
E = 782939.28

SECTION CORNER
LAT. = 32.2684420°N
LONG. = 103.5687493°W
NMSP EAST (FT)
N = 462234.08
E = 777659.34

SECTION CORNER
LAT. = 32.2974530°N
LONG. = 103.5516745°W
NMSP EAST (FT)
N = 472826.30
E = 782860.12

SECTION CORNER
LAT. = 32.2901991°N
LONG. = 103.5516779°W
NMSP EAST (FT)
N = 470187.30
E = 782878.31

SECTION CORNER
LAT. = 32.2829270°N
LONG. = 103.5516698°W
NMSP EAST (FT)
N = 467541.76
E = 782900.10

SECTION CORNER
LAT. = 32.2829394°N
LONG. = 103.5602131°W
NMSP EAST (FT)
N = 447527.14
E = 780259.81

SECTION CORNER
LAT. = 32.2761864°N
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E = 782900.10

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E = 779716.69

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E = 780259.81

SECTION CORNER
LAT. = 32.2761864°N
LONG. = 103.5620277°W
NMSP EAST (FT)
N = 465066.34
E = 779716.69

SECTION CORNER
LAT. = 32.2757053°N
LONG. = 103.5516694°W
NMSP EAST (FT)
N = 464914.49
E = 782919.36

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LONG. = 103.5516675°W
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NMSP EAST (FT)
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E = 782900.10

SECTION CORNER
LAT. = 32.2829394°N
LONG. = 103.5602131°W
NMSP EAST (FT)
N = 447527.14
E = 780259.81

SECTION CORNER
LAT. = 32.2761864°N
LONG. = 103.5620277°W
NMSP EAST (FT)
N = 465066.34
E = 779716.69

SECTION CORNER
LAT. = 32.2757053°N
LONG. = 103.5516694°W
NMSP EAST (FT)
N = 464914.49
E = 782919.36

SECTION CORNER
LAT. = 32.2684152°N
LONG. = 103.5516675°W
NMSP EAST (FT)
N = 462262.37
E = 782939.28

SECTION CORNER
LAT. = 32.2684420°N
LONG. = 103.5687493°W
NMSP EAST (FT)
N = 462234.08
E = 777659.34

SECTION CORNER
LAT. = 32.2974530°N
LONG. = 103.5516745°W
NMSP EAST (FT)
N = 472826.30
E = 782860.12

SECTION CORNER
LAT. = 32.2901991°N
LONG. = 103.5516779°W
NMSP EAST (FT)
N = 470187.30
E = 782878.31

SECTION CORNER
LAT. = 32.2829270°N
LONG. = 103.5516698°W
NMSP EAST (FT)
N = 467541.76
E = 782900.10

SECTION CORNER
LAT. = 32.2829394°N
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NMSP EAST (FT)
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NMSP EAST (FT)
N = 462262.37
E = 782939.28

SECTION CORNER
LAT. = 32.2684420°N
LONG. = 103.5687493°W
NMSP EAST (FT)<

Intent ☐ As Drilled ☒

API # 30-025-44069		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 133H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	22	23S	33E		151	NORTH	2072	WEST	LEA
Latitude 32.2970521					Longitude 103.5620566				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	22	23S	33E		486	NORTH	2087	WEST	LEA
Latitude 32.2961304					Longitude 103.5620070				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
F	27	23S	33E		2321	NORTH	2070	WEST	LEA
Latitude 32.2765647					Longitude 103.5620590				NAD 83

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

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

API # 30-025-40898		
Operator Name: DEVON ENERGY PRODUCTION CO.	Property Name: THISTLE UNIT	Well Number 43H

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

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44079	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 86H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3710.4

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
C	22	23 S	33 E		335	NORTH	1400	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
F	27	23 S	33 E		2632	NORTH	1450	WEST	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.

		<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Rebecca Deal</i> 8/16/2018</p> <p>Signature Date</p> <p>Rebecca Deal, Regulatory Analyst</p> <p>Printed Name</p> <p>rebecca.deal@dmn.com</p> <p>E-mail Address</p>
<p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. ELEVATION VALUES ARE NAVD88.</p>		<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>SEPTEMBER 6, 2017</p> <p>Date of Survey</p> <p><i>Filimon F. Jaramillo</i></p> <p>Signature and Seal of Professional Surveyor:</p> <p>Certificate Number: FILIMON F. JARAMILLO, PLS 12797</p> <p>12797</p> <p>SURVEY NO. 5556</p>

Intent ☐ As Drilled ☒

API # 30-025-44079		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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

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Santa Fe, NM 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-43311	² Pool Code 55990	³ Pool Name Triple X; Bone Spring
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 110H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3711.4

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
C	22	23 S	33 E		335	NORTH	1340	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
E	27	23 S	33 E		2635	NORTH	1197	WEST	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.

<p>THISTLE UNIT 110H ELEV. = 3711.4' LAT. = 32.2965493°N (NAD83) LONG. = 103.5644234°W NMSP EAST (FT) N = 472469.06 E = 778923.14</p> <p>SECTION CORNER LAT. = 32.2829508°N LONG. = 103.5687577°W NMSP EAST (FT) N = 467512.36 E = 777619.12</p> <p>W/4 CORNER SEC. 27 LAT. = 32.2756899°N LONG. = 103.5687542°W NMSP EAST (FT) N = 464870.84 E = 777639.03</p> <p>SW CORNER SEC. 27 LAT. = 32.2684420°N LONG. = 103.5687493°W NMSP EAST (FT) N = 462234.08 E = 777659.34</p> <p>SECTION CORNER LAT. = 32.2757128°N LONG. = 103.5650892°W NMSP EAST (FT) N = 464887.29 E = 778771.71</p> <p>SE CORNER SEC. 27 LAT. = 32.2684152°N LONG. = 103.5516675°W NMSP EAST (FT) N = 462262.37 E = 782939.28</p> <p>NE CORNER SEC. 22 LAT. = 32.2974646°N LONG. = 103.5602208°W NMSP EAST (FT) N = 472811.37 E = 780219.33</p> <p>E/4 CORNER SEC. 22 LAT. = 32.2901991°N LONG. = 103.5516779°W NMSP EAST (FT) N = 470187.30 E = 782878.31</p> <p>SECTION CORNER LAT. = 32.2829270°N LONG. = 103.5516698°W NMSP EAST (FT) N = 467541.76 E = 782900.10</p> <p>E/4 CORNER SEC. 27 LAT. = 32.2757053°N LONG. = 103.5516694°W NMSP EAST (FT) N = 464914.49 E = 782919.36</p> <p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. ELEVATION VALUES ARE NAVD83.</p> <p>S/4 CORNER SEC. 27 SCALED</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Rebecca Deal</i> 8/16/2018 Signature Date</p> <p>Rebecca Deal, Regulatory Analyst Printed Name</p> <p>rebecca.deal@dmv.com E-mail Address</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>SEPTEMBER 6, 2017 Date of Survey</p> <p><i>Filimon F. Jaramillo</i> Signature and Seal of Professional Surveyor</p> <p>FILIMON F. JARAMILLO, PLS 12797 Certificate Number</p> <p>SURVEY NO. 4696A</p>
---	--

Project Area:
Producing Area:

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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

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Santa Fe, NM 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44418	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 111H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3709.0

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
A	22	23S	33E		232.5	NORTH	630	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
P	22	23S	33E		331	SOUTH	380	EAST	LEA

¹² Dedicated Acres 160	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.

<p>N89°40'36"E 2638.92 FT</p> <p>NW CORNER SEC. 22 LAT. = 32.2974757°N LONG. = 103.5687592°W NMSP EAST (FT) N = 472796.48 E = 777580.98</p>		<p>N89°40'34"E 2641.35 FT</p> <p>N Q CORNER SEC. 22 LAT. = 32.2974646°N LONG. = 103.5602208°W NMSP EAST (FT) N = 472811.37 E = 780219.33</p>		<p>NE CORNER SEC. 22 LAT. = 32.2974530°N LONG. = 103.5516745°W NMSP EAST (FT) N = 472826.30 E = 782860.12</p>	
<p>555' FNL, 362' FEL LAT. = 32.2959296°N LONG. = 103.5528460°W NMSP EAST (FT) N = 472269.45 E = 782502.19</p> <p>FIRST TAKE POINT</p>		<p>THISTLE UNIT 111H ELEV. = 3709.0 LAT. = 32.2968168°N (NAD83) LONG. = 103.5537133°W NMSP EAST (FT) N = 472590.27 E = 782231.84</p>		<p>630' 232.5' SURFACE LOCATION FIRST TAKE POINT</p>	
<p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. VERTICAL DATUM NAVD88.</p>		<p>AS-DRILLED BOTTOM OF HOLE LAT. = 32.2838384°N LONG. = 103.5529003°W NMSP EAST (FT) N = 467870.53 E = 782517.41</p>		<p>E Q CORNER SEC. 22 LAT. = 32.2901991°N LONG. = 103.5516779°W NMSP EAST (FT) N = 470187.30 E = 782878.31</p>	
<p>SW CORNER SEC. 22 LAT. = 32.2829508°N LONG. = 103.5687577°W NMSP EAST (FT) N = 467512.36 E = 777619.12</p>		<p>S Q CORNER SEC. 22 LAT. = 32.2829394°N LONG. = 103.5602131°W NMSP EAST (FT) N = 467527.14 E = 780259.81</p>		<p>SE CORNER SEC. 22 LAT. = 32.2829270°N LONG. = 103.5516698°W NMSP EAST (FT) N = 467541.76 E = 782900.10</p>	
<p>380' 331'</p>		<p>331'</p>		<p>380'</p>	

S89°40'45"W 2641.26 FT

S89°40'58"W 2640.85 FT

N00°24'49"W 2642.65 FT

N00°23'41"E 2639.58 FT

N00°28'19"E 2646.15 FT

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 **9/27/18**
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.

SEPTEMBER 24, 2018

Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number: **FILIMON E. JARAMILLO, PLS 12797**

SURVEY NO. 3810E

Intent ☐ As Drilled ☒

API #		
Operator Name: DEVON ENERGY PRODUCTION CO., L.P.	Property Name: THISTLE UNIT	Well Number 111H

Kick Off Point (KOP)

UL A	Section 22	Township 23S	Range 33E	Lot	Feet 232.5	From N/S NORTH	Feet 630	From E/W EAST	County LEA
Latitude 32.2968168					Longitude 103.5537133			NAD 83	

First Take Point (FTP)

UL A	Section 22	Township 23S	Range 33E	Lot	Feet 555	From N/S NORTH	Feet 362	From E/W EAST	County LEA
Latitude 32.2959296					Longitude 103.5528460			NAD 83	

Last Take Point (LTP)

UL P	Section 22	Township 23S	Range 33E	Lot	Feet 331	From N/S SOUTH	Feet 380	From E/W EAST	County LEA
Latitude 32.2838384					Longitude 103.5529003			NAD 83	

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

☐ N

Is this well an infill well?

☐ Y

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

API # 30-025-40898		
Operator Name: DEVON ENERGY PRODUCTION CO.	Property Name: THISTLE UNIT	Well Number 43H

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
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District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44419	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 115H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3711.5

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
C	22	23 S	33 E		335	NORTH	1790	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
J	27	23 S	33 E		2616	SOUTH	2622	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.

<p>17 OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Rebecca Deal</i> 9/11/2018 Signature Date</p> <p>Rebecca Deal, Regulatory Analyst Printed Name</p> <p>rebecca.deal@dvn.com E-mail Address</p>		<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>SEPTEMBER 10, 2018 Date of Survey</p> <p><i>FILEMON F. JARAMILLO</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number FILEMON F. JARAMILLO, PLS 12797 SURVEY NO. 4698C</p>	
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Intent ☐ As Drilled ☒API #
30-025-44419Operator Name:
**DEVON ENERGY PRODUCTION
COMPANY, L.P.**Property Name:
THISTLE UNITWell Number
115H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	22	23S	33E		161	FNL	2625	FEL	LEA
Latitude 32.29702					Longitude -103.560162				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	22	23S	33E		593	NORTH	2629	EAST	LEA
Latitude 32.2958362					Longitude 103.5601809				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
J	27	23S	33E		2482	NORTH	2619	EAST	LEA
Latitude 32.2761196					Longitude 103.5601419				NAD 83

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

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

API #
30-025-40898Operator Name:
DEVON ENERGY PRODUCTION CO.Property Name:
THISTLE UNITWell Number
43H

KZ 06/29/2018

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1625 N. French Dr., Hobbs, NM 88240
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Santa Fe, NM 87505

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44420	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 116H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3713.2

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
B	22	23S	33E		335	NORTH	1690	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
G	27	23S	33E		2359	NORTH	1888	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.

<p>NW CORNER SEC. 22 LAT. = 32.2974757°N LONG. = 103.5687592°W NMSP EAST (FT) N = 472796.46 E = 777580.98</p> <p>SW CORNER SEC. 22 LAT. = 32.2829508°N LONG. = 103.5687577°W NMSP EAST (FT) N = 467512.36 E = 777619.12</p> <p>W Q CORNER SEC. 27 LAT. = 32.2756899°N LONG. = 103.5687542°W NMSP EAST (FT) N = 464870.84 E = 777639.03</p> <p>SW CORNER SEC. 27 LAT. = 32.2684420°N LONG. = 103.5687493°W NMSP EAST (FT) N = 462234.08 E = 777659.34</p>	<p>N 89°40'36"E 2638.92 FT N 89°40'34"E 2641.35 FT</p> <p>N Q CORNER SEC. 22 LAT. = 32.2974646°N LONG. = 103.5602208°W NMSP EAST (FT) N = 472611.37 E = 780219.33</p> <p>KOP 234' FNL, 1870' FEL LAT. = 32.2968169°N LONG. = 103.5577240°W NMSP EAST (FT) N = 472581.29 E = 780992.55</p> <p>FIRST TAKE POINT 788' FNL, 1869' FEL LAT. = 32.2952962°N LONG. = 103.5577221°W NMSP EAST (FT) N = 472028.10 E = 780997.13</p> <p>S Q CORNER SEC. 22 LAT. = 32.2829394°N LONG. = 103.5602131°W NMSP EAST (FT) N = 467527.14 E = 780259.81</p> <p>LAST TAKE POINT 2294' FNL, 1888' FEL LAT. = 32.2766304°N LONG. = 103.5577775°W NMSP EAST (FT) N = 465172.39 E = 781029.56</p> <p>AS-DRILLED BOTTOM OF HOLE LAT. = 32.2764518°N LONG. = 103.5577775°W NMSP EAST (FT) N = 465172.39 E = 781029.56</p> <p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. VERTICAL DATUM NAVD88.</p> <p>DNF</p>	<p>NE CORNER SEC. 22 LAT. = 32.2974530°N LONG. = 103.5516745°W NMSP EAST (FT) N = 472826.30 E = 782860.12</p> <p>E Q CORNER SEC. 22 LAT. = 32.2901991°N LONG. = 103.5516779°W NMSP EAST (FT) N = 470187.30 E = 782878.31</p> <p>SE CORNER SEC. 22 LAT. = 32.2829270°N LONG. = 103.5516698°W NMSP EAST (FT) N = 467541.76 E = 782900.10</p> <p>LAST TAKE POINT 2294' FNL, 1888' FEL LAT. = 32.2766304°N LONG. = 103.5577775°W NMSP EAST (FT) N = 465237.36 E = 781029.11</p> <p>E Q CORNER SEC. 27 LAT. = 32.2757053°N LONG. = 103.5516694°W NMSP EAST (FT) N = 464914.49 E = 782919.36</p> <p>SE CORNER SEC. 27 LAT. = 32.2684152°N LONG. = 103.5516675°W NMSP EAST (FT) N = 462262.37 E = 782939.28</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Rebecca Deal</i> 9/24/2018 Signature Date</p> <p>Rebecca Deal, Regulatory Analyst Printed Name</p> <p>rebecca.deal@dvn.com E-mail Address</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>F. JARAMILLO SEPTEMBER 14, 2018 Date of Survey</p> <p><i>[Signature]</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number: PLIMON F. JARAMILLO, PLS 12797 SURVEY NO. 4699B</p>
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Intent ☐ As Drilled ☒API #
30-025-44420

Operator Name:

DEVON ENERGY PRODUCTION CO., L.P.

Property Name:

THISTLE UNIT

Well Number

116H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	22	23S	33E		234	NORTH	1870	EAST	LEA
Latitude					Longitude			NAD	
32.2968169					103.5577240			83	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	22	23S	33E		788	NORTH	1869	EAST	LEA
Latitude					Longitude			NAD	
32.2952962					103.5577221			83	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
G	27	23S	33E		2294	NORTH	1888	EAST	LEA
Latitude					Longitude			NAD	
32.2766304					103.5577775			83	

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

☐ **N**

Is this well an infill well?

☐ **Y**

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

API #
30-025-40898

Operator Name:

DEVON ENERGY PRODUCTION CO.

Property Name:

THISTLE UNIT

Well Number

43H

KZ 06/29/2018

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
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OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44080	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 125H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3711.2

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
C	22	23 S	33 E		335	NORTH	1370	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
E	27	23 S	33 E		2552	SOUTH	1335	WEST	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.

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Rebecca Deal</i> 8/16/2018 Signature Date</p> <p>Rebecca Deal, Regulatory Analyst Printed Name</p> <p>rebecca.deal@dmn.com E-mail Address</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>SEPTEMBER 6, 2017 Date of Survey</p> <p><i>[Signature]</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number: FILIMON F. JARAMILLO, PLS 12797 SURVEY NO. 4700A</p>
--	--

Project Area:

Producing Area:

Intent ☐ As Drilled ☒

API # 30-025-44080		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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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1625 N. French Dr., Hobbs, NM 88240
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Phone: (575) 748-1283 Fax: (575) 748-9720

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44421	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 127H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3713.3

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
B	22	23S	33E		335	NORTH	1720	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
G	27	23S	33E		2613	NORTH	1967	EAST	LEA

¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>NW CORNER SEC. 22 LAT. = 32.2974757°N LONG. = 103.5687592°W NMSP EAST (FT) N = 472796.48 E = 777580.98</p> <p>281' FNL, 1968' FEL LAT. = 32.2966887°N LONG. = 103.5580414°W NMSP EAST (FT) N = 472533.96 E = 780894.80</p> <p>SW CORNER SEC. 22 LAT. = 32.2829508°N LONG. = 103.5687577°W NMSP EAST (FT) N = 467512.36 E = 777619.12</p> <p>W Q CORNER SEC. 27 LAT. = 32.2756899°N LONG. = 103.5687542°W NMSP EAST (FT) N = 464870.84 E = 777639.03</p> <p>SW CORNER SEC. 27 LAT. = 32.2684420°N LONG. = 103.5687493°W NMSP EAST (FT) N = 462234.08 E = 777659.34</p> <p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83) BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE, VERTICAL DATUM NAVD83.</p> <p>AS-DRILLED BOTTOM OF HOLE LAT. = 32.2757556°N LONG. = 103.5580328°W NMSP EAST (FT) N = 464918.54 E = 780952.49</p>	<p>N 89°40'36"E 2638.92 FT N 89°40'34"E 2641.35 FT N Q CORNER SEC. 22 LAT. = 32.274646°N LONG. = 103.5602208°W NMSP EAST (FT) N = 472811.37 E = 780219.33</p> <p>SURFACE LOCATION THISTLE UNIT 127H ELEV. = 3713.3' LAT. = 32.2965399°N (NAD83) LONG. = 103.5572402°W NMSP EAST (FT) N = 472481.61 E = 781142.77</p> <p>S Q CORNER SEC. 22 LAT. = 32.2829394°N LONG. = 103.5602131°W NMSP EAST (FT) N = 467527.14 E = 780259.81</p> <p>LAST TAKE POINT 2564' FNL, 1966' FEL LAT. = 32.2758902°N LONG. = 103.5580279°W NMSP EAST (FT) N = 464967.51 E = 780953.65</p> <p>E Q CORNER SEC. 27 LAT. = 32.2757053°N LONG. = 103.5516694°W NMSP EAST (FT) N = 464914.49 E = 782919.36</p> <p>SE CORNER SEC. 27 LAT. = 32.2684152°N LONG. = 103.5516675°W NMSP EAST (FT) N = 462262.37 E = 782939.28</p>	<p>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.</p> <p><i>Rebecca Deal</i> 9/24/2018 Signature Date</p> <p>Rebecca Deal, Regulatory Analyst Printed Name</p> <p>rebecca.deal@dmv.com E-mail Address</p> <p>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.</p> <p>FILIMON F. JARAMILLO SEPTEMBER 14, 2018 Date of Survey</p> <p><i>Filimon F. Jaramillo</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number: FILIMON F. JARAMILLO, PLS 12797 SURVEY NO. 4702C</p>
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Intent ☐ As Drilled ☒

API # 30-025-44421		
Operator Name: DEVON ENERGY PRODUCTION CO., L.P.	Property Name: THISTLE UNIT	Well Number 127H

Kick Off Point (KOP)

UL B	Section 22	Township 23S	Range 33E	Lot	Feet 281	From N/S NORTH	Feet 1968	From E/W EAST	County LEA
Latitude 32.2966887					Longitude 103.5580414			NAD 83	

First Take Point (FTP)

UL B	Section 22	Township 23S	Range 33E	Lot	Feet 858	From N/S NORTH	Feet 1945	From E/W EAST	County LEA
Latitude 32.2951030					Longitude 103.5579690			NAD 83	

Last Take Point (LTP)

UL G	Section 27	Township 23S	Range 33E	Lot	Feet 2564	From N/S NORTH	Feet 1966	From E/W EAST	County LEA
Latitude 32.2758902					Longitude 103.5580279			NAD 83	

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

☐ N

Is this well an infill well?

☐ Y

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

API # 30-025-40898		
Operator Name: DEVIN ENERGY PRODUCTION CO.	Property Name: THISTLE UNIT	Well Number 43H

KZ 06/29/2018

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1625 N. French Dr., Hobbs, NM 88240
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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
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44086	² Pool Code 59900	³ Pool Name Triple X; Bone Spring
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 128H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3713.1

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
B	22	23S	33E		335	NORTH	1630	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
I	27	23S	33E		2634	SOUTH	1299	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.

<p>NW CORNER SEC. 22 LAT. = 32.297457°N LONG. = 103.5687592°W NMSP EAST (FT) N = 472796.48 E = 777580.98</p> <p>NE CORNER SEC. 22 LAT. = 32.2974530°N LONG. = 103.5516745°W NMSP EAST (FT) N = 472826.30 E = 782860.12</p> <p>SW CORNER SEC. 22 LAT. = 32.2829508°N LONG. = 103.5687577°W NMSP EAST (FT) N = 467512.36 E = 777619.12</p> <p>SE CORNER SEC. 22 LAT. = 32.2829270°N LONG. = 103.5516698°W NMSP EAST (FT) N = 467541.76 E = 782900.10</p> <p>W Q CORNER SEC. 27 LAT. = 32.2756899°N LONG. = 103.5687542°W NMSP EAST (FT) N = 464870.84 E = 777639.03</p> <p>SW CORNER SEC. 27 LAT. = 32.2684420°N LONG. = 103.5687493°W NMSP EAST (FT) N = 462234.08 E = 777659.34</p> <p>THISTLE UNIT 128H LAT. = 32.2963396°N (NAD83) LONG. = 103.5569490°W NMSP EAST (FT) N = 472482.14 E = 781232.75</p> <p>LAST TAKE POINT 2594' FNL, 1297' FEL LAT. = 32.2758051°N LONG. = 103.5558643°W NMSP EAST (FT) N = 464941.38 E = 781622.59</p> <p>AS-DRILLED BOTTOM OF HOLE LAT. = 32.2756606°N LONG. = 103.5558702°W NMSP EAST (FT) N = 464888.81 E = 781621.15</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Rebecca Deal</i> 9/24/2018 Signature Date</p> <p>Rebecca Deal, Regulatory Analyst Printed Name</p> <p>rebecca.deal@dmv.com E-mail Address</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>SEPTEMBER 14, 2018 Date of Survey</p> <p><i>[Signature]</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number: FILIMON P. JARAMILLO, PLS 12797 SURVEY NO. 3811E</p>
--	---

Intent ☐ As Drilled ☒API #
30-025-44086

Operator Name:	Property Name:	Well Number
DEVON ENERGY PRODUCTION CO., L.P.	THISTLE UNIT	128H

Kick Off Point (KOP)

UL A	Section 22	Township 23S	Range 33E	Lot	Feet 227	From N/S NORTH	Feet 1291	From E/W EAST	County LEA
Latitude 32.2968353					Longitude 103.5558504			NAD 83	

First Take Point (FTP)

UL A	Section 22	Township 23S	Range 33E	Lot	Feet 799	From N/S NORTH	Feet 1268	From E/W EAST	County LEA
Latitude 32.2952630					Longitude 103.5557772			NAD 83	

Last Take Point (LTP)

UL G	Section 27	Township 23S	Range 33E	Lot	Feet 2594	From N/S NORTH	Feet 1297	From E/W EAST	County LEA
Latitude 32.2758051					Longitude 103.5558643			NAD 83	

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

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

API #
30-025-40898

Operator Name:	Property Name:	Well Number
DEVON ENERGY PRODUCTIN CO.	THISTLE UNIT	43H

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District I
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-48098	² Pool Code 98135	³ Pool Name WC-025 G-09 S243310P;UPPER WOLFCAMP
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 180H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3710.5

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
C	22	23 S	33 E		160	NORTH	1320	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
M	34	23 S	33 E		35	SOUTH	390	WEST	LEA
¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Rebecca Deal</i> 8/11/2021 Signature Date</p> <p>Rebecca Deal, Regulatory Analyst Printed Name</p> <p>rebecca.deal@dvn.com E-mail Address</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>AUGUST 6, 2021 Date of Survey</p> <p><i>FILIMON F. JARAMILLO</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number: FILIMON F. JARAMILLO, PLS 12797 SURVEY NO. 8628B</p>
--	---

Intent ☐ As Drilled ☒

API # 30-025-48098		
Operator Name: DEVON ENERGY PRODUCTION CO., L.P.	Property Name: THISTLE UNIT	Well Number 180H

Kick Off Point (KOP)

UL D	Section 22	Township 23S	Range 33E	Lot	Feet 79	From N/S NORTH	Feet 346	From E/W WEST	County LEA
Latitude 32.2972566					Longitude 103.5676398				NAD 83

First Take Point (FTP)

UL D	Section 22	Township 23S	Range 33E	Lot	Feet 527	From N/S NORTH	Feet 333	From E/W WEST	County LEA
Latitude 32.2960249					Longitude 103.5676814				NAD 83

Last Take Point (LTP)

UL M	Section 34	Township 23S	Range 33E	Lot	Feet 165	From N/S SOUTH	Feet 385	From E/W WEST	County LEA
Latitude 32.2543560					Longitude 103.5674961				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 30-025-48096	² Pool Code 98135	³ Pool Name WC-025 G-09 S243310P;UPPER WOLFCAMP
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 181H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3710.5

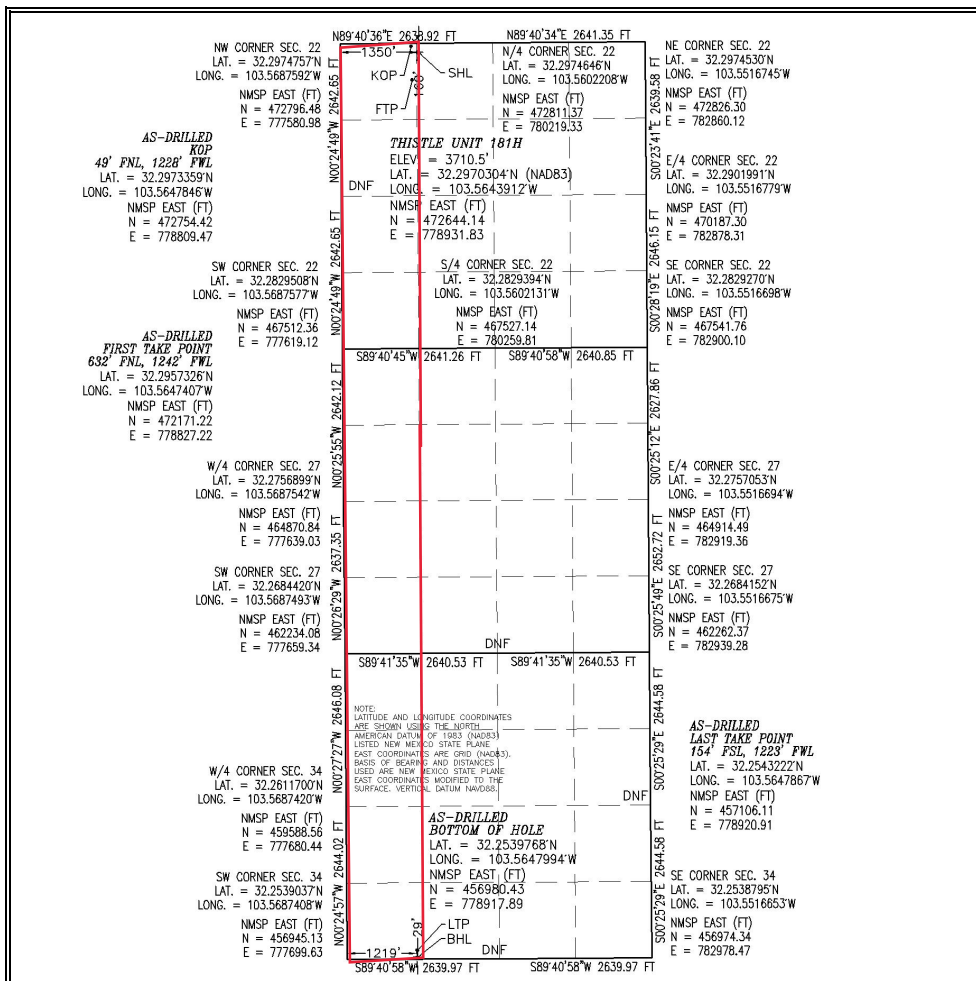
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	22	23 S	33 E		160	NORTH	1350	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
M	34	23 S	33 E		29	SOUTH	1219	WEST	LEA
¹² Dedicated Acres 480	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.

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 8/12/2021
Signature Date

Rebecca Deal, Regulatory Analyst
Printed Name

rebecca.deal@dv.com
E-mail Address

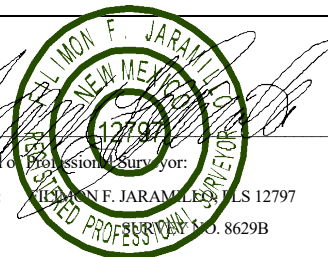
¹⁸ SURVEYOR CERTIFICATION

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.

AUGUST 6, 2021

Date of Survey

Simon F. Jaramila
Signature and Seal of Professional Surveyor
Certificate Number: 12797



Intent ☐ As Drilled ☒API #
30-025-48096

Operator Name:	Property Name:	Well Number
DEVON ENERGY PRODUCTION CO., L.P.	THISTLE UNIT	181H

Kick Off Point (KOP)

UL D	Section 22	Township 23S	Range 33E	Lot	Feet 49	From N/S NORTH	Feet 1228	From E/W WEST	County LEA
Latitude 32.2973359					Longitude 103.5647846			NAD 83	

First Take Point (FTP)

UL D	Section 22	Township 23S	Range 33E	Lot	Feet 632	From N/S NORTH	Feet 1242	From E/W WEST	County LEA
Latitude 32.2957326					Longitude 103.5647407			NAD 83	

Last Take Point (LTP)

UL M	Section 34	Township 23S	Range 33E	Lot	Feet 154	From N/S SOUTH	Feet 1223	From E/W WEST	County LEA
Latitude 32.2543222					Longitude 103.5647867			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

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-48097	² Pool Code 98135	³ Pool Name WC-025 G-09 S243310P;UPPER WOLFCAMP
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 182H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3710.8

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
C	22	23 S	33 E		160	NORTH	1380	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
N	34	23 S	33 E		39	SOUTH	2447	WEST	LEA
¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>AS-DRILLED KOP 127' FNL, 2168' FWL LAT. = 32.2971178°N LONG. = 103.5617453°W NMSP EAST (FT) N = 472861.82 E = 779749.19</p> <p>AS-DRILLED FIRST TAKE POINT 607' FNL, 2213' FWL LAT. = 32.2957992°N LONG. = 103.5615979°W NMSP EAST (FT) N = 472202.44 E = 779798.18</p> <p>W/4 CORNER SEC. 27 LAT. = 32.2756899°N LONG. = 103.5687542°W NMSP EAST (FT) N = 464870.84 E = 777639.03</p> <p>SW CORNER SEC. 27 LAT. = 32.2684420°N LONG. = 103.5687493°W NMSP EAST (FT) N = 462234.08 E = 777659.34</p> <p>W/4 CORNER SEC. 34 LAT. = 32.2611700°N LONG. = 103.5687420°W NMSP EAST (FT) N = 459888.56 E = 777680.44</p> <p>SW CORNER SEC. 34 LAT. = 32.2539037°N LONG. = 103.5687408°W NMSP EAST (FT) N = 456945.13 E = 777699.63</p>		<p>N89°40'36"E 2638.92 FT N89°40'34"E 2641.35 FT NE CORNER SEC. 22 LAT. = 32.2974530°N LONG. = 103.5516745°W NMSP EAST (FT) N = 472826.30 E = 782860.12</p> <p>E/4 CORNER SEC. 22 LAT. = 32.2901991°N LONG. = 103.5516779°W NMSP EAST (FT) N = 470187.30 E = 782878.31</p> <p>SE CORNER SEC. 22 LAT. = 32.2829270°N LONG. = 103.5516698°W NMSP EAST (FT) N = 467541.76 E = 782900.10</p> <p>E/4 CORNER SEC. 27 LAT. = 32.2757053°N LONG. = 103.5516694°W NMSP EAST (FT) N = 464914.49 E = 782919.36</p> <p>SE CORNER SEC. 27 LAT. = 32.2684152°N LONG. = 103.5516675°W NMSP EAST (FT) N = 462262.37 E = 782939.28</p> <p>SE CORNER SEC. 34 LAT. = 32.2538795°N LONG. = 103.5516653°W NMSP EAST (FT) N = 456974.34 E = 782978.47</p>		<p>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.</p> <p><i>Rebecca Deal</i> 8/12/2021 Signature Date Rebecca Deal, Regulatory Analyst Printed Name rebecca.deal@dmv.com E-mail Address</p> <p>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.</p> <p>AUGUST 6, 2021 Date of Survey</p> <p><i>William F. Jaramila</i> Signature and Seal of Professional Surveyor Certificate Number: F11M0000000000, PLS 12797 SURVEY NO. 8630B</p>	
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Intent ☐ As Drilled ☒

API # 30-025-48097		
Operator Name: DEVON ENERGY PRODUCTION CO., L.P.	Property Name: THISTLE UNIT	Well Number 182H

Kick Off Point (KOP)

UL C	Section 22	Township 23S	Range 33E	Lot	Feet 127	From N/S NORTH	Feet 2168	From E/W WEST	County LEA
Latitude 32.2971178					Longitude 103.5617453				NAD 83

First Take Point (FTP)

UL C	Section 22	Township 23S	Range 33E	Lot	Feet 607	From N/S NORTH	Feet 2213	From E/W WEST	County LEA
Latitude 32.2957992					Longitude 103.5615979				NAD 83

Last Take Point (LTP)

UL N	Section 34	Township 23S	Range 33E	Lot	Feet 163	From N/S SOUTH	Feet 2454	From E/W WEST	County LEA
Latitude 32.2543408					Longitude 103.5608054				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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☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-49425	² Pool Code 98135	³ Pool Name WC-025 G-09 S243310P;UPPER WOLFCAMP
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	
	⁶ Well Number 183H	
	⁹ Elevation 3718.3	

¹⁰ Surface Location

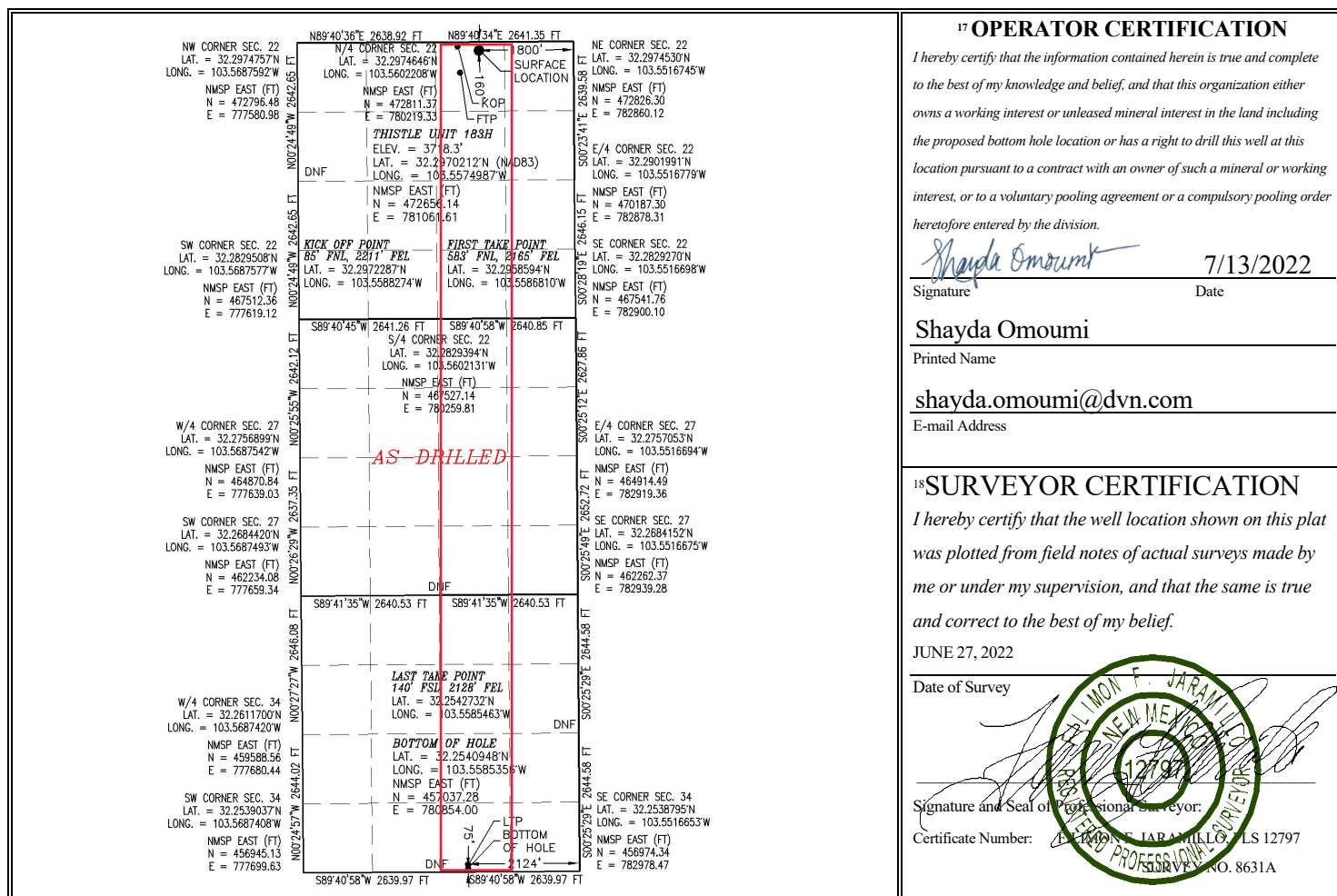
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	22	23 S	33 E		160	NORTH	1800	EAST	LEA

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
O	34	23 S	33 E		75	SOUTH	2124	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.



Intent ☐ As Drilled ☒

API # 30-025-49425		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 183H

Kick Off Point (KOP)

UL B	Section 22	Township 23S	Range 33E	Lot	Feet 85	From N/S NORTH	Feet 2211	From E/W EAST	County LEA
Latitude 32.2972287					Longitude 103.5588274				NAD 83

First Take Point (FTP)

UL B	Section 22	Township 23S	Range 33E	Lot	Feet 583	From N/S NORTH	Feet 2165	From E/W EAST	County LEA
Latitude 32.2958594					Longitude 103.5586810				NAD 83

Last Take Point (LTP)

UL O	Section 34	Township 23S	Range 33E	Lot	Feet 140	From N/S SOUTH	Feet 2128	From E/W EAST	County LEA
Latitude 32.2542732					Longitude 103.5585463				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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☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-49426	² Pool Code 98135	³ Pool Name WC-025 G-09 S243310P; UPPER WOLFCAMP
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 184H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3718.3

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
B	22	23 S	33 E		160	NORTH	1770	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
P	34	23 S	33 E		92	SOUTH	1256	EAST	LEA

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p>Signature: <i>Shayda Omoumi</i> Date: 7/13/2022</p> <p>Printed Name: Shayda Omoumi</p> <p>E-mail Address: shayda.omoumi@dvn.com</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>JUNE 27, 2022</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor: <i>[Signature]</i></p> <p>Certificate Number: 12797</p> <p>Survey No. 8632A</p>
--	--

Intent ☐ As Drilled ☒

API # 30-025-49426		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 184H

Kick Off Point (KOP)

UL A	Section 22	Township 23S	Range 33E	Lot	Feet 100	From N/S NORTH	Feet 1270	From E/W EAST	County LEA
Latitude 32.2971830					Longitude 103.5557850				NAD 83

First Take Point (FTP)

UL A	Section 22	Township 23S	Range 33E	Lot	Feet 713	From N/S NORTH	Feet 1250	From E/W EAST	County LEA
Latitude 32.2954984					Longitude 103.5557192				NAD 83

Last Take Point (LTP)

UL P	Section 34	Township 23S	Range 33E	Lot	Feet 125	From N/S SOUTH	Feet 1256	From E/W EAST	County LEA
Latitude 32.2542305					Longitude 103.5557270				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 30-025-49427	² Pool Code 98135	³ Pool Name WC-025 G-09 S243310P; UPPER WOLFCAMP
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 185H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3718.3

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
B	22	23 S	33 E		160	NORTH	1740	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
P	34	23 S	33 E		68	SOUTH	264	EAST	LEA

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Shayda Omoumi</i> 7/13/2022 Signature Date</p> <p>Shayda Omoumi Printed Name</p> <p>shayda.omoumi@dvn.com E-mail Address</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>JUNE 27, 2022 Date of Survey</p> <p><i>[Signature]</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number: 12797 Survey No. 8633A</p>
--	---

Intent ☐ As Drilled ☒

API # 30-025-49427		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 185H

Kick Off Point (KOP)

UL A	Section 22	Township 23S	Range 33E	Lot	Feet 37	From N/S NORTH	Feet 330	From E/W EAST	County LEA
Latitude 32.2973522					Longitude 103.5527413				NAD 83

First Take Point (FTP)

UL A	Section 22	Township 23S	Range 33E	Lot	Feet 688	From N/S NORTH	Feet 258	From E/W EAST	County LEA
Latitude 32.2955635					Longitude 103.5525112				NAD 83

Last Take Point (LTP)

UL P	Section 34	Township 23S	Range 33E	Lot	Feet 121	From N/S SOUTH	Feet 264	From E/W EAST	County LEA
Latitude 32.2542122					Longitude 103.5525180				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

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

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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
23	0230S	0330E	021	ALIQ				E2;	CARLSBAD FIELD OFFICE
23	0230S	0330E	022	ALL				ENTIRE SECTION	CARLSBAD FIELD OFFICE
23	0230S	0330E	027	ALL				ENTIRE SECTION	CARLSBAD FIELD OFFICE
23	0230S	0330E	028	ALL				ENTIRE SECTION	CARLSBAD FIELD OFFICE
23	0230S	0330E	033	ALL				ENTIRE SECTION	CARLSBAD FIELD OFFICE
23	0230S	0330E	034	ALL				ENTIRE SECTION	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-- 088526B

				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		

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DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
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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					

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

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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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BUREAU OF LAND MANAGEMENT
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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
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01 02-25-1920;041STAT0437;30USC181

Case Type 318210: O&G EXPLORATORY UNIT

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Case File Juris:

Total Acres:

3,520.000

Serial Number

NMNM 088526X

Name & Address					Serial Number: NMNM-- - 088526X	
					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
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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
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NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

**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-704-A

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, leases, and wells as described in Exhibit A (“Application”).
2. Applicant proposed a method to allocate the oil and gas production to the pools, leases, and wells to be commingled.
3. 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.
4. Applicant provided notice of the Application to the Bureau of Land Management (“BLM”) or New Mexico State Land Office (“NMSLO”), as applicable.
5. 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.
6. Applicant in the notice for the Application stated that it sought authorization to prospectively include additional pools, leases, and wells in accordance with 19.15.12.10 C.(4)(g) NMAC.
7. 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.

CONCLUSIONS OF LAW

8. 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.

9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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, leases, and wells as described in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease from the pools, leases, and wells 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 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. This Order supersedes Order PLC-704.
3. 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.

4. 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.
5. 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.
6. 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.
7. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10 C.(2) NMAC.
8. 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.
9. 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.
10. 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.
11. Applicant shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.
12. 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).

13. 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: 9/29/2025

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: **PLC-704-A**

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

Central Tank Battery: **Thistle Unit 22 Central Tank Battery 2**

Central Tank Battery Location: **UL A, Section 22, Township 23 South, Range 33 East**

Gas Title Transfer Meter Location: **UL A, Section 22, Township 23 South, Range 33 East**

Pools

Pool Name	Pool Code
TRIPLE X;BONE SPRING	59900
BRINNINSTOOL;WOLFCAMP, WEST	96689
WC-025 G-09 S243310P;UPPER WOLFCAMP	98135

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
30-025-44417	THISTLE UNIT #100H	W2E2	22-23S-33E	59900
		W2NE	27-23S-33E	
30-025-43311	THISTLE UNIT #110H	E2W2	22-23S-33E	59900
		E2NW	27-23S-33E	
30-025-44418	THISTLE UNIT #111H	E2E2	22-23S-33E	59900
		E2NE	27-23S-33E	
30-025-43315	THISTLE UNIT #114H	E2W2	22-23S-33E	59900
		E2NW	27-23S-33E	
30-025-44419	THISTLE UNIT #115H	W2E2	22-23S-33E	59900
		W2NE	27-23S-33E	
30-025-44420	THISTLE UNIT #116H	W2E2	22-23S-33E	59900
		W2NE	27-23S-33E	
30-025-44080	THISTLE UNIT #125H	W2W2	22-23S-33E	59900
		W2NW	27-23S-33E	

30-025-44421	THISTLE UNIT #127H	W2E2 W2NE	22-23S-33E 27-23S-33E	59900
30-025-44086	THISTLE UNIT #128H	E2E2 E2NE	22-23S-33E 27-23S-33E	59900
30-025-44069	THISTLE UNIT #133H	E2W2 E2NW	22-23S-33E 27-23S-33E	59900
30-025-44079	THISTLE UNIT #086H	E2W2 E2NW	22-23S-33E 27-23S-33E	59900
30-025-44416	THISTLE UNIT #099H	E2W2 E2NW	22-23S-33E 27-23S-33E	59900
30-025-43727	THISTLE UNIT #108H	E2E2 E2E2 E2E2	21-23S-33E 28-23S-33E 33-23S-33E	96689
30-025-43732	THISTLE UNIT #121H	W2E2 W2E2 W2E2	21-23S-33E 28-23S-33E 33-23S-33E	96689
30-025-48098	THISTLE UNIT #180H	W2W2 W2W2 W2W2	22-23S-33E 27-23S-33E 34-23S-33E	98135
30-025-48096	THISTLE UNIT #181H	W2W2 W2W2 W2W2	22-23S-33E 27-23S-33E 34-23S-33E	98135
30-025-48097	THISTLE UNIT #182H	E2W2 E2W2 E2W2	22-23S-33E 27-23S-33E 34-23S-33E	98135
30-025-49425	THISTLE UNIT #183H	W2E2 W2E2 W2E2	22-23S-33E 27-23S-33E 34-23S-33E	98135
30-025-49426	THISTLE UNIT #184H	E2E2 E2E2 E2E2	22-23S-33E 27-23S-33E 34-23S-33E	98135
30-025-49427	THISTLE UNIT #185H	E2E2 E2E2 E2E2	22-23S-33E 27-23S-33E 34-23S-33E	98135

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

General Information
Phone: (505) 629-6116

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 160098

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 160098
	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 .	9/30/2025