District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101
August 1, 2011

Permit 298590

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	6137
	3. API Number 30-025-49279

4. Property Code	5. Property Name	6. Well No.
40329	SEA SNAKE 35 STATE	024H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	35	23S	33E	N	199	S	2007	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	35	23S	33E	C	20	N	1511	W	Lea

9. Pool Information

TRIPLE X;BONE SPRING	59900

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3667
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	15604	Bone Spring		4/1/2022
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	1358	1021	0
Int1	12.25	9.625	40	5133	718	0
Prod	8.75	5.5	17	15604	1531	9527

Casing/Cement Program: Additional Comments

INTERMEDIATE SQUEEZE (SEE ATTACHED DRILL PLAN)

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
Blind	5000	5000	
Double Ram	5000	5000	
Annular	5000	5000	
Blind	5000	5000	
Double Ram	5000	5000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature:

OIL CONSERVATION DIVISION

Printed Name:	Electronically filed by Jeff Walla	Approved By:	Paul F Kautz
Title:	Supervisor Land	Title:	Geologist
Email Address:	Jeff.Walla@dvn.com	Approved Date:	8/3/2021
Date:	8/2/2021	Phone: 575-748-9925	Conditions of Approval Attached

Expiration Date: 8/3/2023

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-49279	59900	TRIPLE X;BONE SPRING

Property Code	Property Name	Well Number
40329	SEA SNAKE 35 STATE	24H

OGRID No.	Operator Name	Elevation
6137	DEVON ENERGY PRODUCTION COMPANY, L.P.	3667.0'

Surface Location

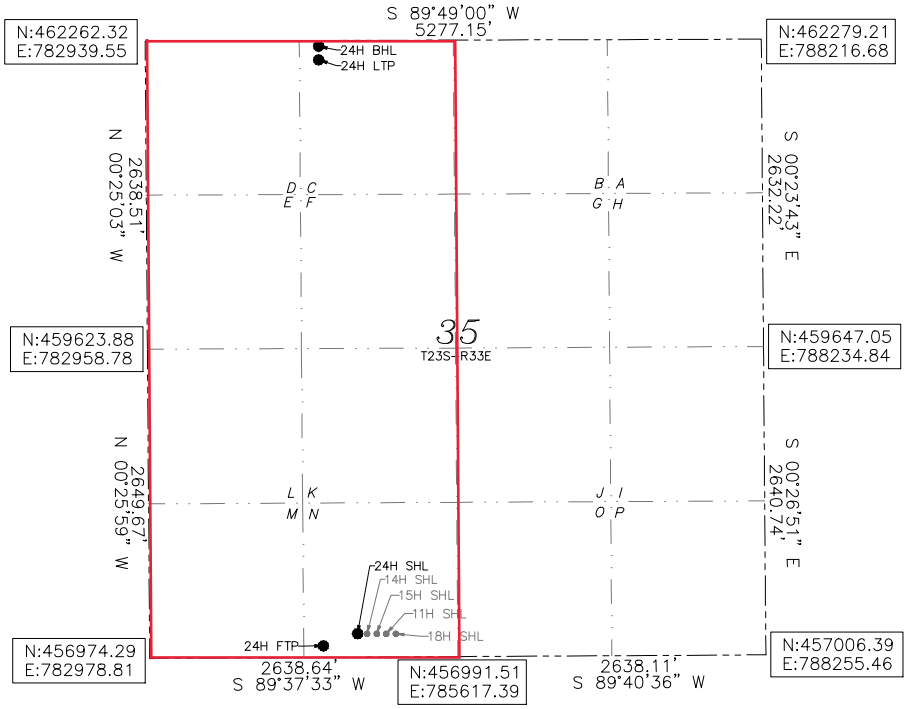
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	35	23-S	33-E		199	SOUTH	2007	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	35	23-S	33-E		20	NORTH	1511	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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



SEA SNAKE 35 STATE 24H	FIRST TAKE POINT	LAST TAKE POINT	BOTTOM OF HOLE
EL: 3667.0'	100' FSL 1511' FWL SEC. 35	100' FNL 1511' FWL SEC. 35	LAT:32.268343
LAT:32.254422	LAT:32.254151	LAT:32.268123	LON:103.546778
LON:103.545172	LON:103.546777	LON:103.546778	N:462247.16
N:457186.38	N:457084.15	N:462167.16	E:784450.70
E:784984.26	E:784489.02	E:784451.28	

Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83,New Mexico East Zone 3001, US Survey Feet, all distances are grid.

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 7/20/2021
Signature Date

Rebecca Deal, Regulatory Analyst
Printed Name

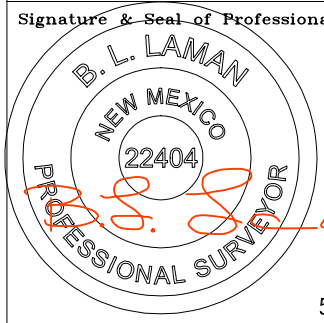
rebecca.deal@dvn.com
E-mail Address

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.

5/2021
Date of Survey

Signature & Seal of Professional Surveyor



5/11/21

Certificate No. 22404 B.L. LAMAN

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? ☐

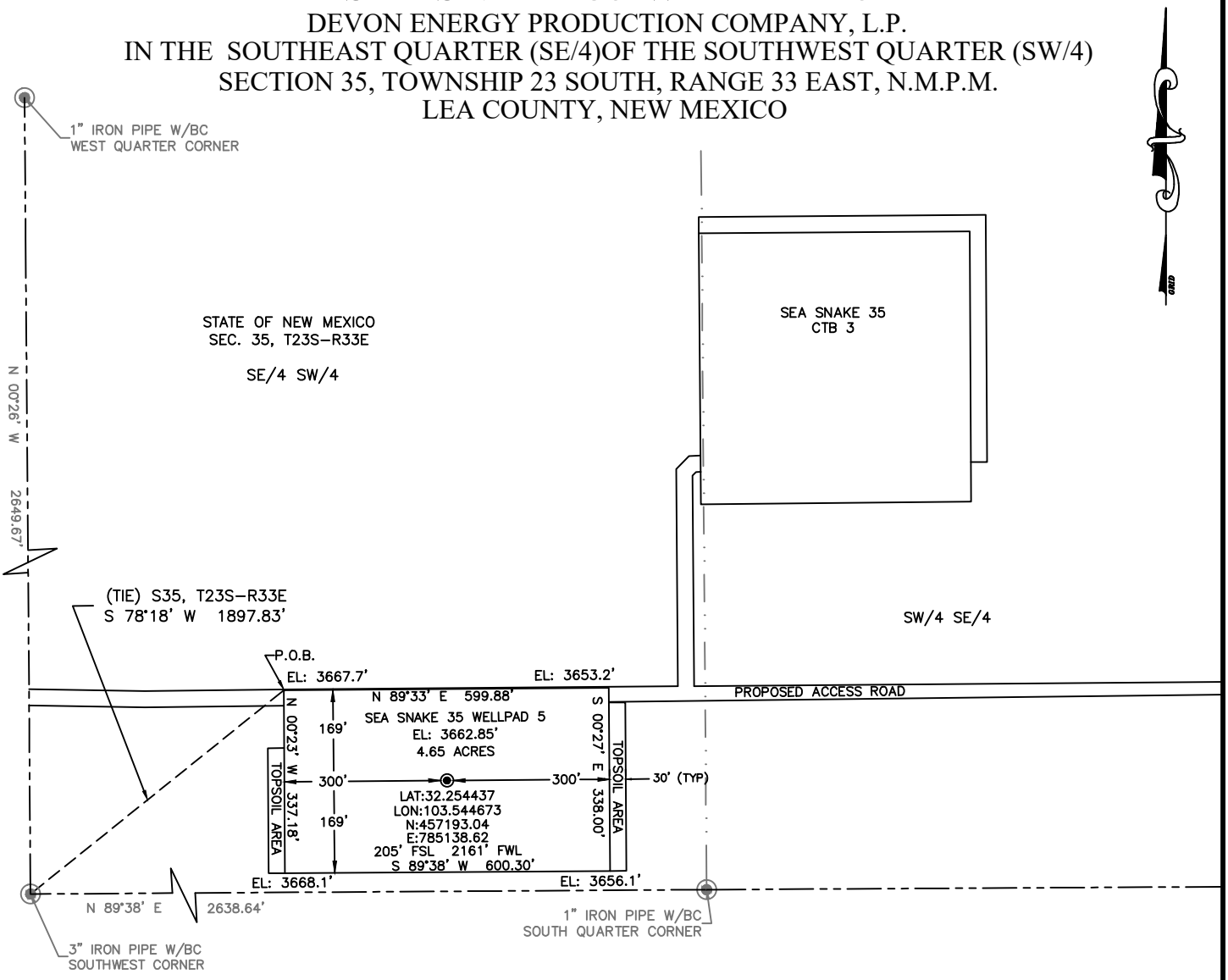
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number

SEA SNAKE 35 WELLPAD 5

DEVON ENERGY PRODUCTION COMPANY, L.P.
IN THE SOUTHEAST QUARTER (SE/4)OF THE SOUTHWEST QUARTER (SW/4)
SECTION 35, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO



DESCRIPTION

BEING A SURFACE SITE EASEMENT LYING IN THE SOUTHEAST QUARTER (SE/4) OF THE SOUTHWEST QUARTER (SW/4) OF SECTION 35, TOWNSHIP 23 SOUTH, RANGE 33 EAST N.M.P.M., LEA COUNTY, NEW MEXICO.

BEGINNING AT THE NORTHWEST CORNER OF SAID SITE EASEMENT, WHERE A 3" IRON PIPE W/BC FOR THE SOUTHWEST CORNER OF SECTION 35, TOWNSHIP 23 SOUTH, RANGE 33 EAST N.M.P.M. BEARS S 78°18' W, A DISTANCE 1897.83';

THENCE N 89°33' E, A DISTANCE 599.88 FEET TO THE NORTHEAST CORNER OF THIS EASEMENT;
THENCE S 00°27' E, A DISTANCE 338.00 FEET TO THE SOUTHEAST CORNER OF THIS EASEMENT;
THENCE S 89°38' W, A DISTANCE 600.30 FEET TO THE SOUTHWEST CORNER OF THIS EASEMENT;
THENCE N 00°23' W, A DISTANCE 337.18 FEET TO THE NORTHWEST CORNER OF THIS EASEMENT,
TO THE POINT OF BEGINNING; CONTAINING 4.65 ACRES.

GENERAL NOTES:

1.) THE INTENT OF THIS SURVEY IS TO ACQUIRE A BUSINESS LEASE FOR THE PURPOSE OF BUILDING A WELLPAD.

2.) All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.

B.L. Laman PLS #22404
Horizonrow, LLC
Date Signed: 12-13-2019
P.O. Box 548, Dry Creek, La.
(903) 388-3045 70637
Employee of Horizonrow, LLC

B. L. LAMAN NEW MEXICO 22404 PROFESSIONAL SURVEYOR

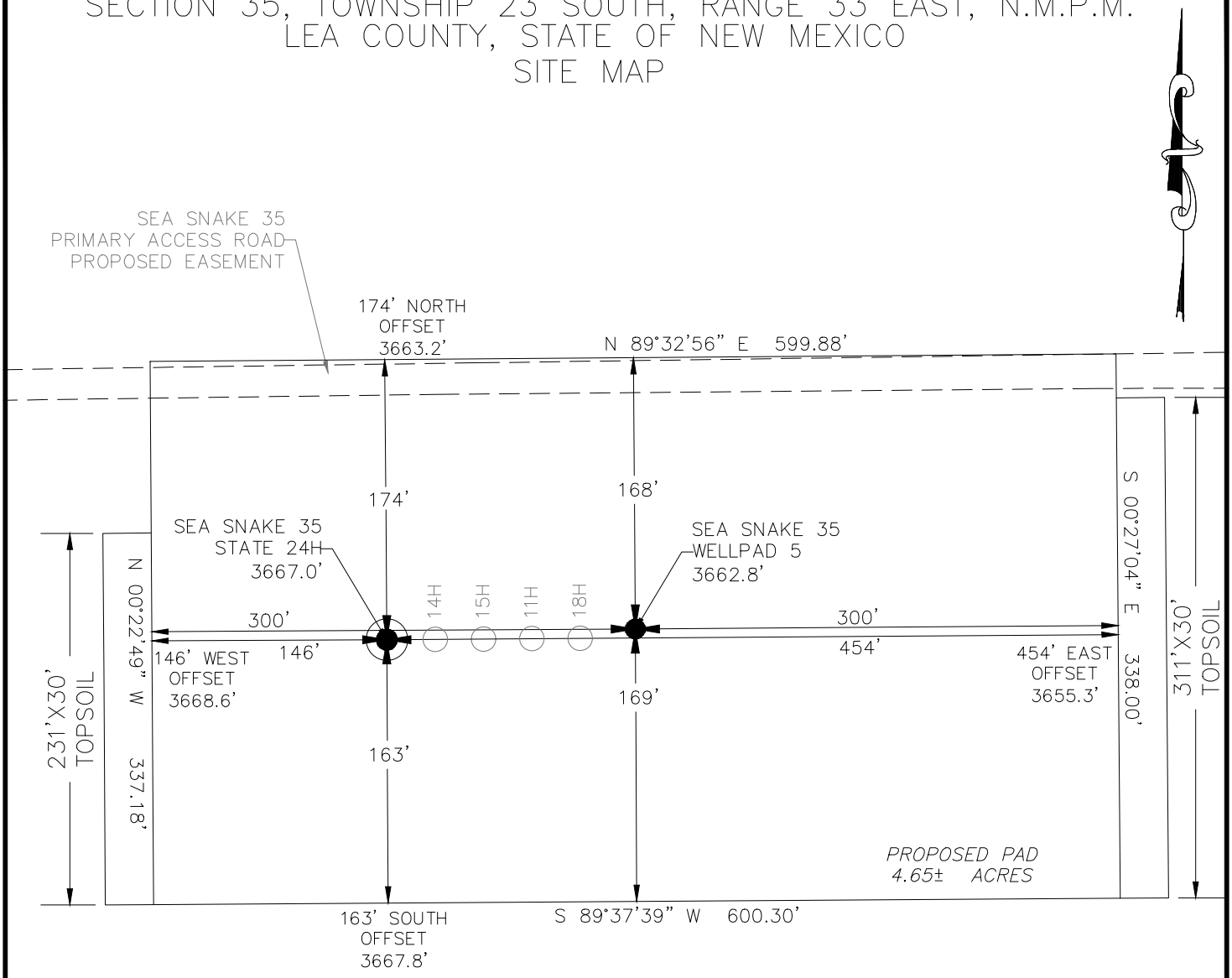
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF NM-128 AND COUNTY ROAD 2-A, HEAD NORTH ON COUNTY ROAD 2-A FOR 3.1 MILES. TURN RIGHT ON PROPOSED ACCESS ROAD FOR 1.5 MILES TO THE NORTHWEST CORNER OF THE SEA SNAKE 35 WELLPAD 5.

0 300 600

HORIZON ROW LLC	DEVON ENERGY PRODUCTION COMPANY, L.P.		SITE NUMBER: AA000302609
Drawn for: devon	SEA SNAKE 35 WELLPAD 5		WBS NUMBER: XX-130853.01.SLC
	SURVEY PLAT SHOWING A WELLPAD ON THE PROPERTY OF THE STATE OF NEW MEXICO		SCALE: 1" = 300'
			REVISIONS:
Drawn by: DANIEL SHOOK	Date: 12/03/2019		DATE OF SURVEY: 11/2019

SECTION 35, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
SITE MAP



SEA SNAKE 35 STATE 24H
199' FSL 2007' FWL SEC. 35
EL: 3667.0'
N: 457186.38
E: 784984.26

SEA SNAKE 35 STATE 14H
199' FSL 2037' FWL SEC. 35
EL: 3666.3'
N: 457186.58
E: 785014.26

SEA SNAKE 35 STATE 15H
199' FSL 2067' FWL SEC. 35
EL: 3665.6'
N: 457186.77
E: 785044.26

SEA SNAKE 35-26 STATE FED COM 11H
199' FSL 2097' FWL SEC. 35
EL: 3664.9'
N: 457186.97
E: 785074.26

SEA SNAKE 35 STATE 18H
199' FSL 2127' FWL SEC. 35
EL: 3664.0'
N: 457187.17
E: 785104.26

Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.

DEVON ENERGY PRODUCTION COMPANY, L.P.
SEA SNAKE 35 STATE 24H
LOCATED 199 FT. FROM THE SOUTH LINE
AND 2007 FT. FROM THE WEST LINE OF
SECTION 35, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

0 100 200

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF NM-128 AND BRININSTOOL ROAD (CR. 2-A), HEAD NORTH ON BRININSTOOL ROAD (CR. 2-A) FOR 3.1 MILES. TURN RIGHT ON PROPOSED SEA SNAKE 35 PRIMARY ACCESS ROAD FOR 1.5 MILES TO THE NORTHWEST CORNER OF THE SEA SNAKE 35 WELLPAD 5.

HORIZON ROW LLC

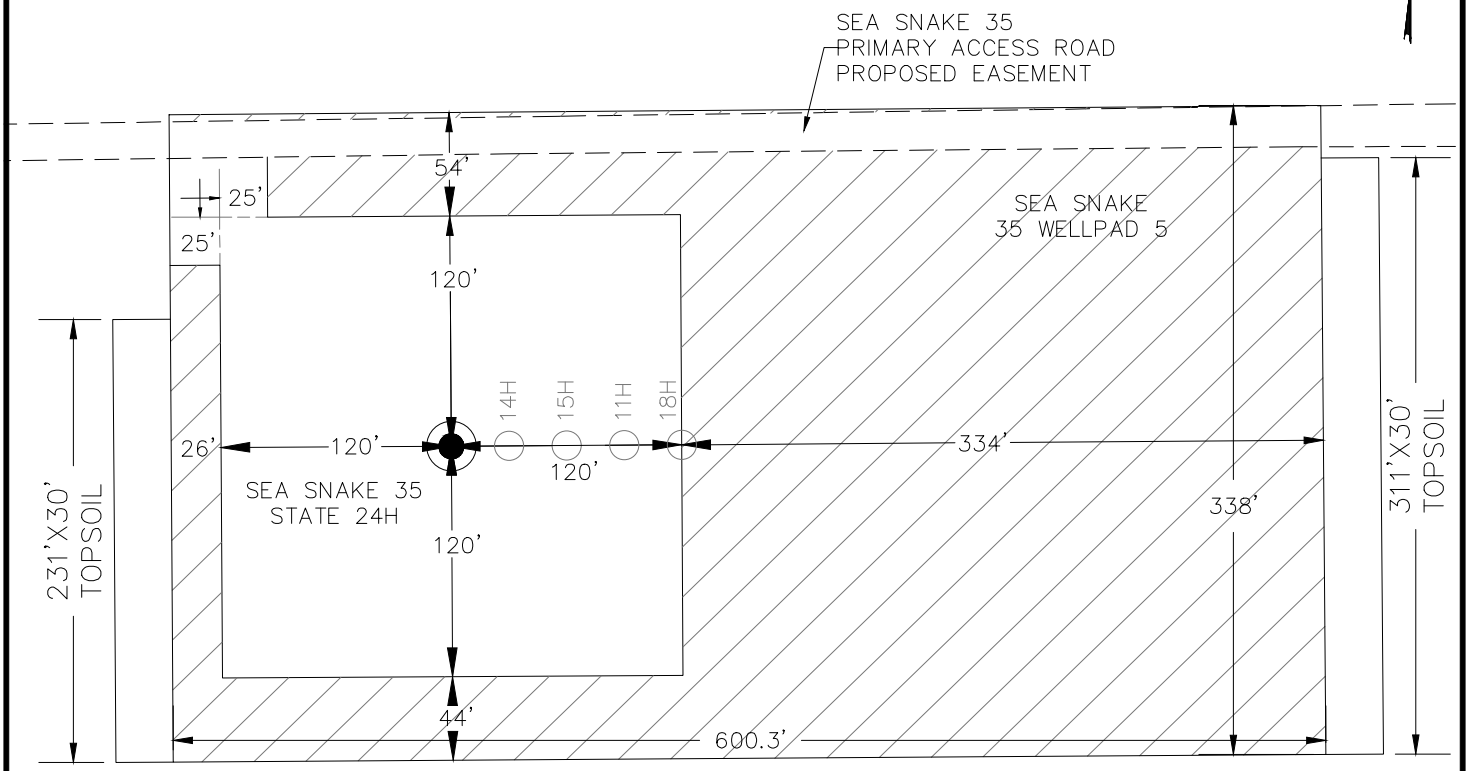
DEVON ENERGY PRODUCTION CO., L.P.

Drawn by: CHRIS MAAS

Date: 5/11/2021

Drawn for: devon

SECTION 35, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
INTERIM SITE BUILD PLAN



SEA SNAKE 35 STATE 24H
199' FSL 2007' FWL SEC. 35
EL: 3667.0'
N: 457186.38
E: 784984.26

SEA SNAKE 35 STATE 14H
199' FSL 2037' FWL SEC. 35
EL: 3666.3'
N: 457186.58
E: 785014.26

SEA SNAKE 35 STATE 15H
199' FSL 2067' FWL SEC. 35
EL: 3665.6'
N: 457186.77
E: 785044.26

SEA SNAKE 35–26 STATE FED COM 11H
199' FSL 2097' FWL SEC. 35
EL: 3664.9'
N: 457186.97
E: 785074.26

SEA SNAKE 35 STATE 18H
199' FSL 2127' FWL SEC. 35
EL: 3664.0'
N: 457187.17
E: 785104.26

DENOTES INTERIM PAD RECLAMATION AREA

3.00 ± ACRES INTERIM PAD RECLAMATION AREA
1.65 ± ACRES NON–RECLAIMED AREA

4.65 ± ACRES GRADING SITE RECLAMATION AREA

0 100 200

DEVON ENERGY PRODUCTION COMPANY, L.P.
SEA SNAKE 35 STATE 24H
LOCATED 199 FT. FROM THE SOUTH LINE
AND 2007 FT. FROM THE WEST LINE OF
SECTION 35, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

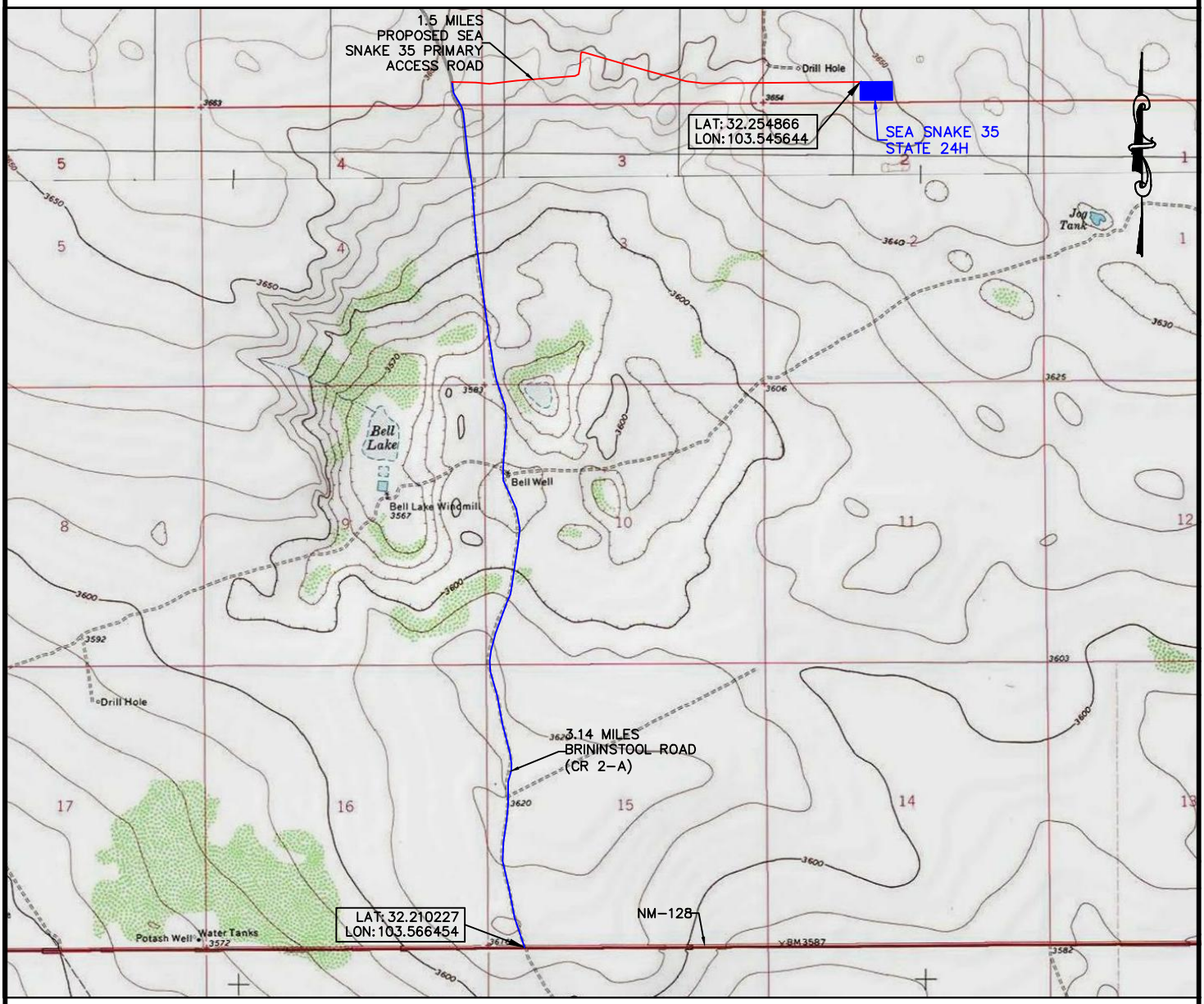
HORIZON ROW LLC

DEVON ENERGY PRODUCTION CO., L.P.

Drawn by: CHRIS MAAS
Date: 5/11/2021

Drawn for: devon

SECTION 35, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DEVON ENERGY PRODUCTION COMPANY, L.P.
SEA SNAKE 35 STATE 24H
LOCATED 199 FT. FROM THE SOUTH LINE
AND 2007 FT. FROM THE WEST LINE OF
SECTION 35, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

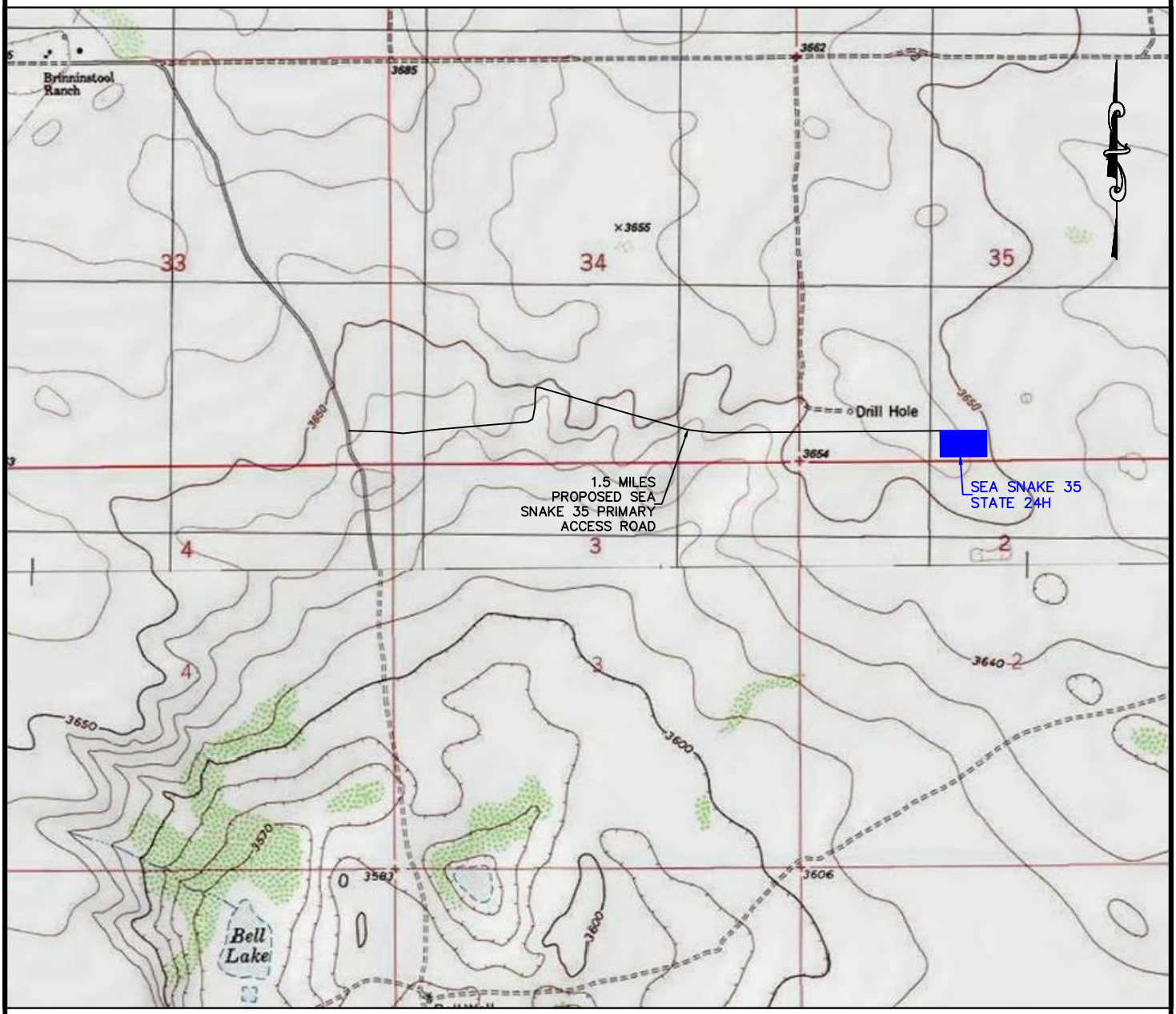
NOT TO SCALE

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF NM-128 AND BRININSTOOL ROAD (CR. 2-A), HEAD NORTH ON BRININSTOOL ROAD (CR. 2-A) FOR 3.1 MILES. TURN RIGHT ON PROPOSED SEA SNAKE 35 PRIMARY ACCESS ROAD FOR 1.5 MILES TO THE NORTHWEST CORNER OF THE SEA SNAKE 35 WELLPAD 5.

HORIZON ROW LLC		Drawn for: devon
DEVON ENERGY PRODUCTION CO., L.P.		
Drawn by: CHRIS MAAS	Date: 5/11/2021	

SECTION 35, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



DEVON ENERGY PRODUCTION COMPANY, L.P.
SEA SNAKE 35 STATE 24H
LOCATED 199 FT. FROM THE SOUTH LINE
AND 2007 FT. FROM THE WEST LINE OF
SECTION 35, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

0 2000 4000

HORIZON ROW LLC

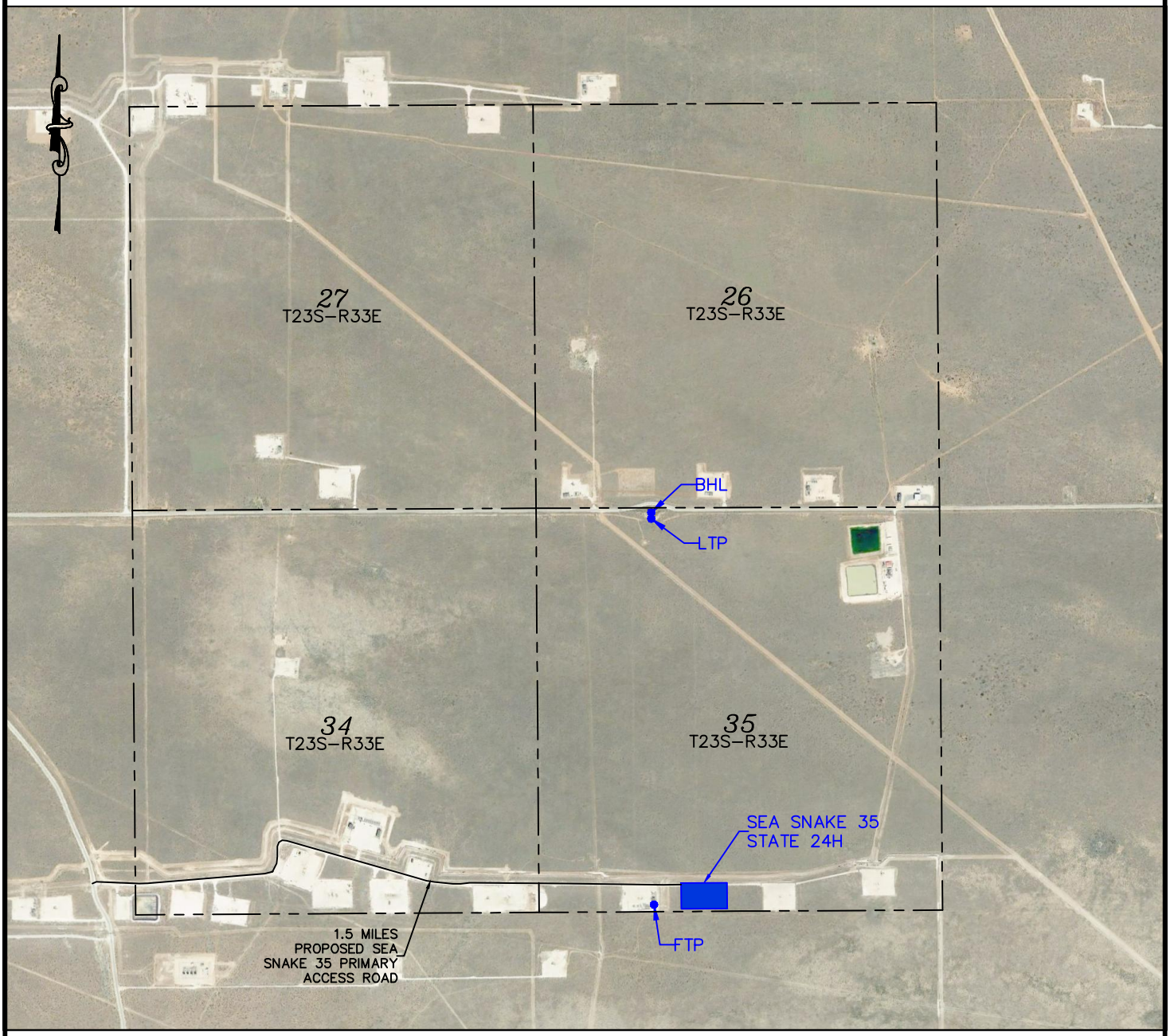
DEVON ENERGY PRODUCTION CO., L.P.

Drawn by: CHRIS MAAS

Date: 5/11/2021

Drawn for: devon

SECTION 35, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO

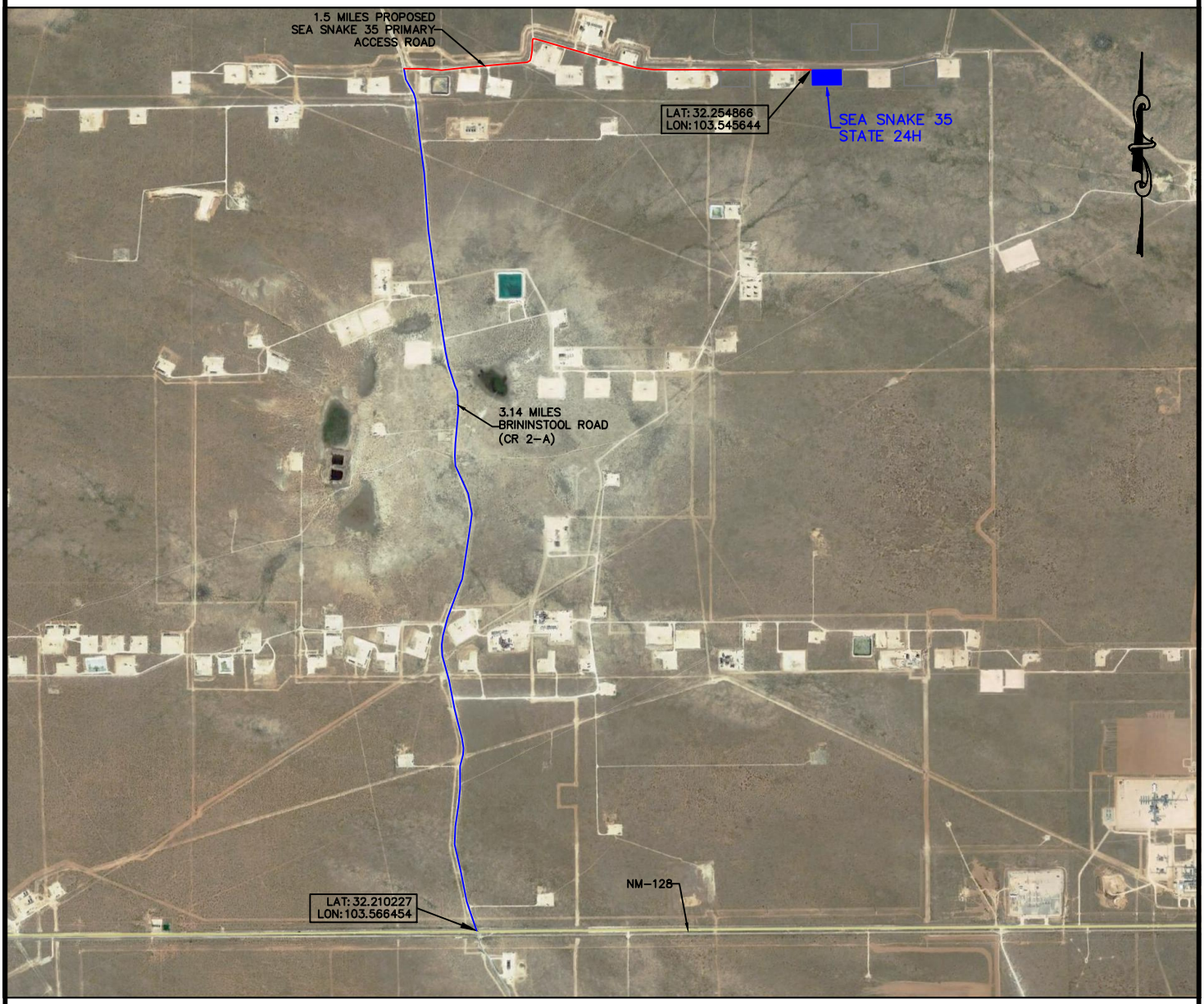


DEVON ENERGY PRODUCTION COMPANY, L.P.
SEA SNAKE 35 STATE 24H
LOCATED 199 FT. FROM THE SOUTH LINE
AND 2007 FT. FROM THE WEST LINE OF
SECTION 35, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

0 2000 4000

HORIZON ROW LLC		Drawn for: devon
DEVON ENERGY PRODUCTION CO., L.P.		
Drawn by: CHRIS MAAS	Date: 5/11/2021	

SECTION 35, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL ACCESS ROUTE MAP

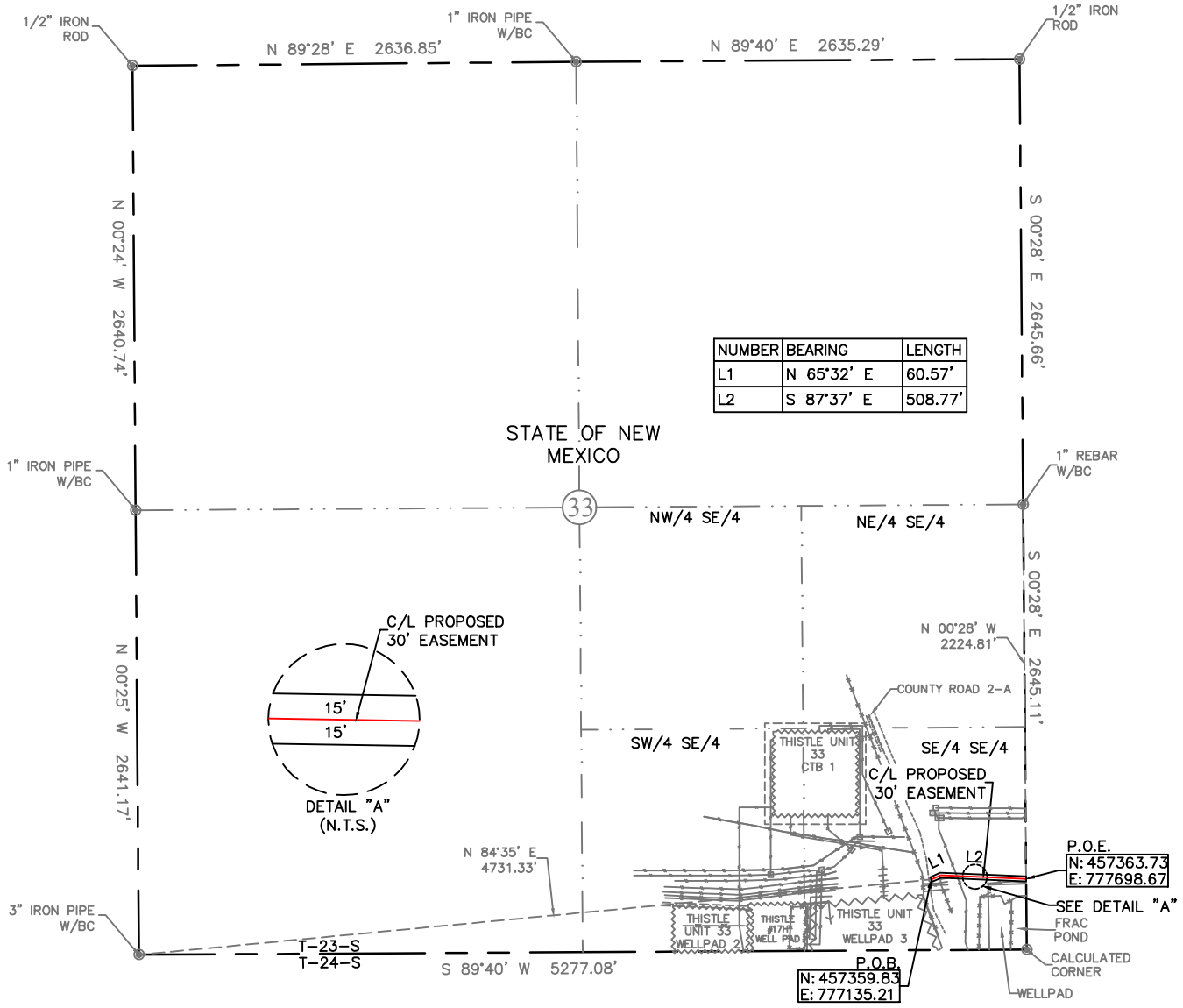


NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
SEA SNAKE 35 STATE 24H
LOCATED 199 FT. FROM THE SOUTH LINE
AND 2007 FT. FROM THE WEST LINE OF
SECTION 35, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

HORIZON ROW LLC	Drawn for: devon
DEVON ENERGY PRODUCTION CO., L.P.	
Drawn by: CHRIS MAAS	Date: 5/11/2021

EXHIBIT "A"
SECTION 33, T23S–R33E, N.M.P.M.
LEA COUNTY, NEW MEXICO



NUMBER	BEARING	LENGTH
L1	N 65°32' E	60.57'
L2	S 87°37' E	508.77'

QUARTER/ QUARTER	30' EASEMENT AREA	FEET	RODS
SE/4 OF SE/4	0.392 ACRES	569.34'	34.51

SEE THE ATTACHED LEGAL DESCRIPTION

Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.

0+00.0 P.O.B./ BRININSTOOL ROAD
1+57.4 EXISTING PIPELINE
5+69.3 P.O.E./ SECTION LINE

0 1000 2000

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.

B.L. LAMAN NEW MEXICO 22404 PROFESSIONAL SURVEYOR

B.L. Laman PLS #22404
Date Signed: 12-06-2019
Horizonrow, LLC
P.O. Box 548, Dry Creek, LA.
(903) 388-3045 70637
Employee of Horizonrow, LLC

HORIZON ROW LLC

Drawn for: devon

Drawn by: DANIEL SHOOK

Date: 12/05/2019

DEVON ENERGY PRODUCTION COMPANY, L.P.

SEA SNAKE 35
PRIMARY ACCESS ROAD

PROPOSED 30' EASEMENT
ON THE PROPERTY OF
STATE OF NEW MEXICO
SECTION 33, T23S–R33E, N.M.P.M.

LINE NUMBER:
WBS NUMBER: XX–130853.01.SLC
SCALE: 1" = 1000'
REVISIONS:
DATE OF SURVEY: 12/2019

SECTION 33, T23S-R33E, N.M.P.M.,
LEA COUNTY, NEW MEXICO

LEGAL DESCRIPTION
FOR
DEVON ENERGY PRODUCTION COMPANY, L.P.
STATE OF NEW MEXICO

30' EASEMENT DESCRIPTION:
BEING an easement thirty (30) feet in width lying fifteen (15) feet on the right side and fifteen (15) feet on the left side of the survey centerline described below, being out of the southeast quarter of the southeast quarter (SE ¼ SE ¼) of Section 33, Township 23 South, Range 33 East, N.M.P.M., Lea County, New Mexico, and being out of a parcel of land owned by the State of New Mexico. Said centerline of easement being more particularly described as follows:

Commencing from a 3" iron pipe w/BC found for the southwest corner of Section 33, T23S-R33E, N.M.P.M., Lea County, New Mexico;

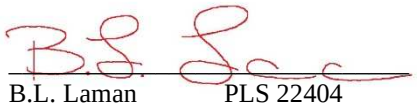
Thence N 84°35' E, a distance of 4731.33' to the **Point of Beginning** of this easement having coordinates of Northing=457359.83 feet, Easting=777135.21 feet, and continuing the following courses;

Thence N 65°32' E, a distance of 60.57' to an angle point;

Thence S 87°37' E, a distance of 508.77' to the **Point of Ending** having coordinates of Northing=457363.73 feet, Easting=777698.67 feet, being in the east line of Section 33, from said point a 1" rebar w/ BC found for the east quarter corner of Section 33, T23S-R33E, N.M.P.M., Lea County, New Mexico bears N 00°28' W a distance of 2224.81', covering **569.34' or 34.51 rods** and having an area of **0.392 acres**.

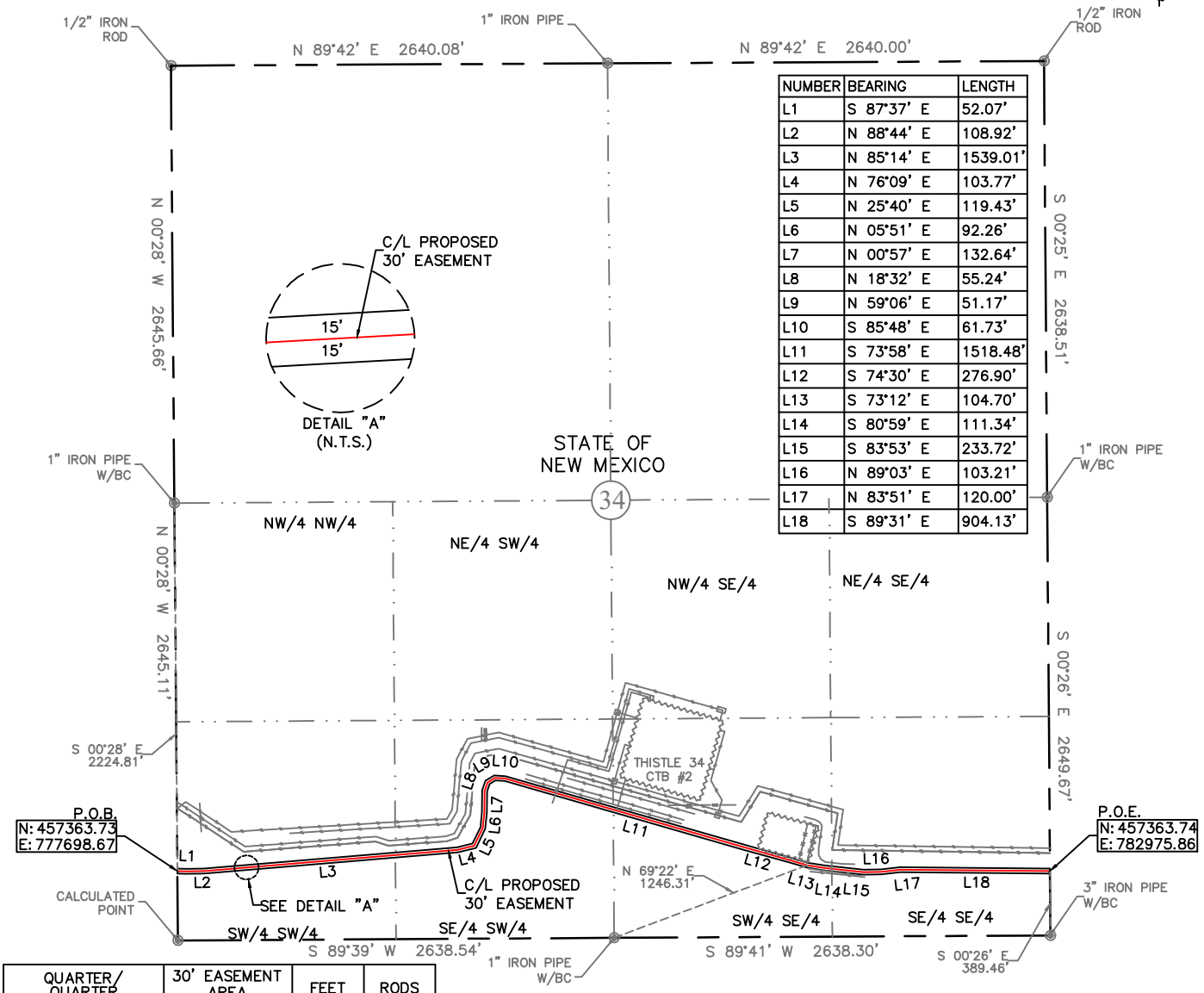
NOTES:
Bearings, distances and coordinates shown herein are based on New Mexico State Plane Coordinate System, NAD 83, East Zone 3001, US Survey Feet, all distances are grid.

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.



B.L. Laman PLS 22404
Date Signed: 12/06/2019
Horizon Row, LLC
P.O. Box 548, Dry Creek, LA
(903) 388-3045 70637
Employee of Horizon Row, LLC

EXHIBIT "A"
SECTION 34, T23S–R33E, N.M.P.M.
LEA COUNTY, NEW MEXICO



NUMBER	BEARING	LENGTH
L1	S 87°37' E	52.07'
L2	N 88°44' E	108.92'
L3	N 85°14' E	1539.01'
L4	N 76°09' E	103.77'
L5	N 25°40' E	119.43'
L6	N 05°51' E	92.26'
L7	N 00°57' E	132.64'
L8	N 18°32' E	55.24'
L9	N 59°06' E	51.17'
L10	S 85°48' E	61.73'
L11	S 73°58' E	1518.48'
L12	S 74°30' E	276.90'
L13	S 73°12' E	104.70'
L14	S 80°59' E	111.34'
L15	S 83°53' E	233.72'
L16	N 89°03' E	103.21'
L17	N 83°51' E	120.00'
L18	S 89°31' E	904.13'

QUARTER/ QUARTER	30' EASEMENT AREA	FEET	RODS
SW/4 OF SW/4	0.911 ACRES	1322.51'	80.15
SE/4 OF SW/4	1.153 ACRES	1674.33'	101.48
SW/4 OF SE/4	0.944 ACRES	1370.71'	83.07
SE/4 OF SE/4	0.910 ACRES	1321.18'	80.07
TOTAL	3.918 ACRES	5688.73'	344.77

5+69.3 P.O.B./ SECTION LINE
7+11.7 EXISTING PIPELINE
12+22.7 EXISTING PIPELINE
12+30.1 EXISTING PIPELINE
12+67.4 THISTLE UNIT 34 WELLPAD 1 FLOWLINE
31+93.0 EXISTING PIPELINE
32+11.3 EXISTING PIPELINE
48+79.3 THISTLE UNIT 34 CTB 2 BATTERY ELECTRIC LINE
62+59.1 P.O.E./ SECTION LINE

SEE THE ATTACHED LEGAL DESCRIPTION

Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.

0 1000 2000

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.

B.L. LAMAN NEW MEXICO 22404 PROFESSIONAL SURVEYOR

B.L. Laman PLS #22404
Date Signed: 12-06-2019
Horizonrow, LLC
P.O. Box 548, Dry Creek, LA.
(903) 388-3045 70637
Employee of Horizonrow, LLC

HORIZON ROW LLC

Drawn for: devon

Drawn by: DANIEL SHOOK

Date: 12/05/2019

DEVON ENERGY PRODUCTION COMPANY, L.P.

SEA SNAKE 35
PRIMARY ACCESS ROAD

PROPOSED 30' EASEMENT
ON THE PROPERTY OF
STATE OF NEW MEXICO
SECTION 34, T23S–R33E, N.M.P.M.

LINE NUMBER:
WBS NUMBER: XX–130853.01.SLC
SCALE: 1" = 1000'
REVISIONS:
DATE OF SURVEY: 12/2019

SECTION 34, T23S-R33E, N.M.P.M.,
LEA COUNTY, NEW MEXICO

LEGAL DESCRIPTION
FOR
DEVON ENERGY PRODUCTION COMPANY, L.P.
STATE OF NEW MEXICO

30' EASEMENT DESCRIPTION:
BEING an easement thirty (30) feet in width lying fifteen (15) feet on the right side and fifteen (15) feet on the left side of the survey centerline described below, being out of the southwest quarter of the southwest quarter (SW ¼, SW¼) and the southeast quarter of the southwest quarter (SE ¼, SW ¼) and the southwest quarter of the southeast quarter (SW ¼, SE ¼) and the southeast quarter of the southeast quarter (SE ¼, SE ¼) of Section 34, Township 23 South, Range 33 East, N.M.P.M., Lea County, New Mexico, and being out of a parcel of land owned by the State of New Mexico. Said centerline of easement being more particularly described as follows:

Commencing from a 1" iron pipe w/BC found for the west quarter corner of Section 34, T23S-R33E, N.M.P.M., Lea County, New Mexico;

Thence S 00°28' E, a distance of 2224.81' to the **Point of Beginning** of this easement being in the west line of Section 34, having coordinates of Northing=457363.73 feet, Easting=777698.67 feet and continuing the following course;

Thence S 87°37' E, a distance of 52.07' to an angle point;

Thence N 88°44' E, a distance of 108.92' to an angle point;

Thence N 85°14' E, a distance of 1539.01' to an angle point;

Thence N 76°09' E, a distance of 103.77' to an angle point;

Thence N 25°40' E, a distance of 119.43' to an angle point;

Thence N 05°51' E, a distance of 92.26' to an angle point;

Thence N 00°57' E, a distance of 132.64' to an angle point;

Thence N 18°32' E, a distance of 55.24' to an angle point;

Thence N 59°06' E, a distance of 51.17' to an angle point;

Thence S 85°48' E, a distance of 61.73' to an angle point;

Thence S 73°58' E, a distance of 1518.48' to an angle point;

Thence S 74°30' E, a distance of 276.90' to an angle point;

Thence S 73°12' E, a distance of 104.70' to an angle point;

Thence S 80°59' E, a distance of 111.34' to an angle point;

Thence S 83°53' E, a distance of 233.72' to an angle point;

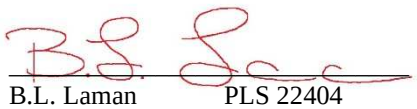
Thence N 89°03' E, a distance of 103.21' to an angle point;

Thence N 83°51' E, a distance of 120.00’ to an angle point;

Thence S 89°31' E, a distance of 904.13’ to the **Point of Ending** of this easement being in the east line of Section 34, having coordinates of Northing=457363.74 feet, Easting=782975.86 feet, from said point a 3” iron pipe w/BC found for the southeast corner of Section 34, T23S-R33E, N.M.P.M., Lea County, New Mexico bears S 00°26’ E a distance of 389.46’, covering **5688.73’ or 344.77 rods** and having an area of **3.918 acres**.

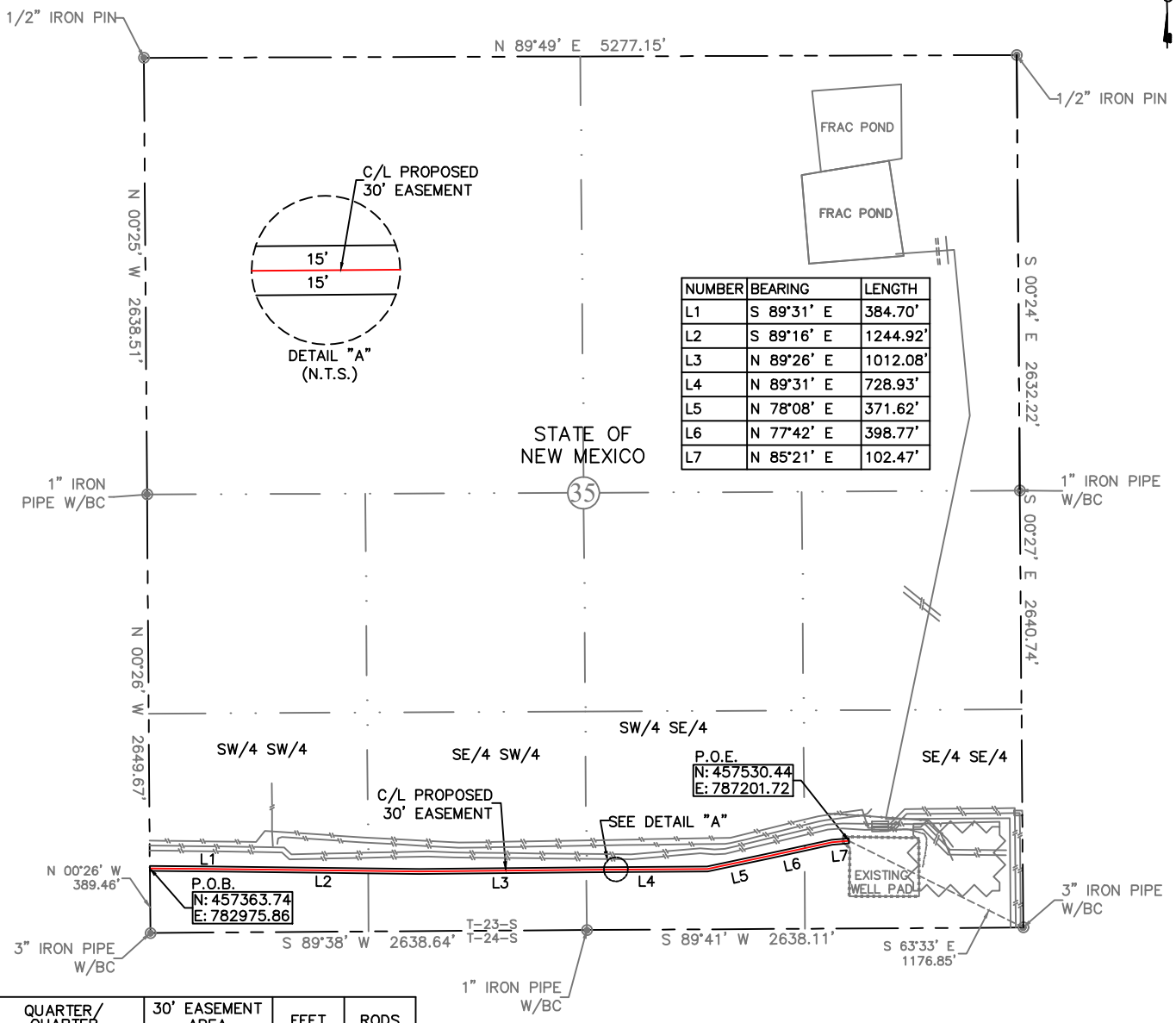
NOTES:
Bearings, distances and coordinates shown herein are based on New Mexico State Plane Coordinate System, NAD 83, East Zone 3001, US Survey Feet, all distances are grid.

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.



B.L. Laman PLS 22404
Date Signed: 12/06/2019
Horizon Row, LLC
P.O. Box 548, Dry Creek, LA
(903) 388-3045 70637
Employee of Horizon Row, LLC

EXHIBIT "A"
SECTION 35, T23S–R33E, N.M.P.M.
LEA COUNTY, NEW MEXICO



NUMBER	BEARING	LENGTH
L1	S 89°31' E	384.70'
L2	S 89°16' E	1244.92'
L3	N 89°26' E	1012.08'
L4	N 89°31' E	728.93'
L5	N 78°08' E	371.62'
L6	N 77°42' E	398.77'
L7	N 85°21' E	102.47'

QUARTER/ QUARTER	30' EASEMENT AREA	FEET	RODS
SW/4 OF SW/4	0.909 ACRES	1319.58'	79.97
SE/4 OF SW/4	0.909 ACRES	1319.41'	79.96
SW/4 OF SE/4	0.917 ACRES	1331.34'	80.69
SE/4 OF SE/4	0.188 ACRES	273.16'	16.56
TOTAL	2.923 ACRES	4243.49'	257.18

62+59.1 P.O.B./ SECTION LINE
64+14.7 ENTER SEA SNAKE 35 WELLPAD 4
69+64.7 EXIT SEA SNAKE 35 WELLPAD 4
81+20.6 ENTER SEA SNAKE 35 WELLPAD 5
87+20.5 EXIT SEA SNAKE 35 WELLPAD 5
98+87.0 ENTER SEA SNAKE 35 WELLPAD 6
104+98.0 EXIT SEA SNAKE 35 WELLPAD 6
105+02.6 P.O.E./ EXISTING WELLPAD

SEE THE ATTACHED LEGAL DESCRIPTION
Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.

B.L. LAMAN NEW MEXICO 22404 PROFESSIONAL SURVEYOR

B.L. Laman PLS #22404
Date Signed: 12-06-2019
Horizonrow, LLC
P.O. Box 548, Dry Creek, LA.
(903) 388-3045 70637
Employee of Horizonrow, LLC

0 1000 2000

HORIZON ROW LLC
Drawn for: devon
Drawn by: DANIEL SHOOK
Date: 12/05/2019

DEVON ENERGY PRODUCTION COMPANY, L.P.
SEA SNAKE 35
PRIMARY ACCESS ROAD
PROPOSED 30' EASEMENT
ON THE PROPERTY OF
STATE OF NEW MEXICO
SECTION 35, T23S–R33E, N.M.P.M.

LINE NUMBER:
WBS NUMBER: XX-130853.01.SLC
SCALE: 1" = 1000'
REVISIONS:
DATE SURVEY: 12/2019

SECTION 35, T23S-R33E, N.M.P.M.,
LEA COUNTY, NEW MEXICO

LEGAL DESCRIPTION
FOR
DEVON ENERGY PRODUCTION COMPANY, L.P.
STATE OF NEW MEXICO

30' EASEMENT DESCRIPTION:
BEING an easement thirty (30) feet in width lying fifteen (15) feet on the right side and fifteen (15) feet on the left side of the survey centerline described below, being out the southwest quarter of the southwest quarter (SW¼, SW¼) and the southeast quarter of the southwest quarter (SE¼, SW¼) and the southwest quarter of the southeast quarter (SW¼, SE¼) and the southeast quarter of the southeast quarter (SE¼, SE¼) of Section 35, Township 23 South, Range 33 East, N.M.P.M., Lea County, New Mexico, and being out of a parcel of land conveyed to the State of New Mexico. Said centerline of easement being more particularly described as follows:

Commencing from a 3" iron pipe w/BC for the southwest corner of Section 35, T23S-R33E, N.M.P.M., Lea County, New Mexico;

Thence N 00°26' W a distance of 389.46' to the **Point of Beginning** of this easement, being in the west line of Section 35, having coordinates of Northing=457363.74, Easting=782975.86 feet and continuing the following courses;

Thence S 89°31' E, a distance of 384.70' to an angle point;
Thence S 89°16' E, a distance of 1244.92' to an angle point;
Thence N 89°26' E, a distance of 1012.08' to an angle point;
Thence N 89°31' E, a distance of 728.93' to an angle point;
Thence N 78°08' E, a distance of 371.62' to an angle point;
Thence N 77°42' E, a distance of 398.77' to an angle point;

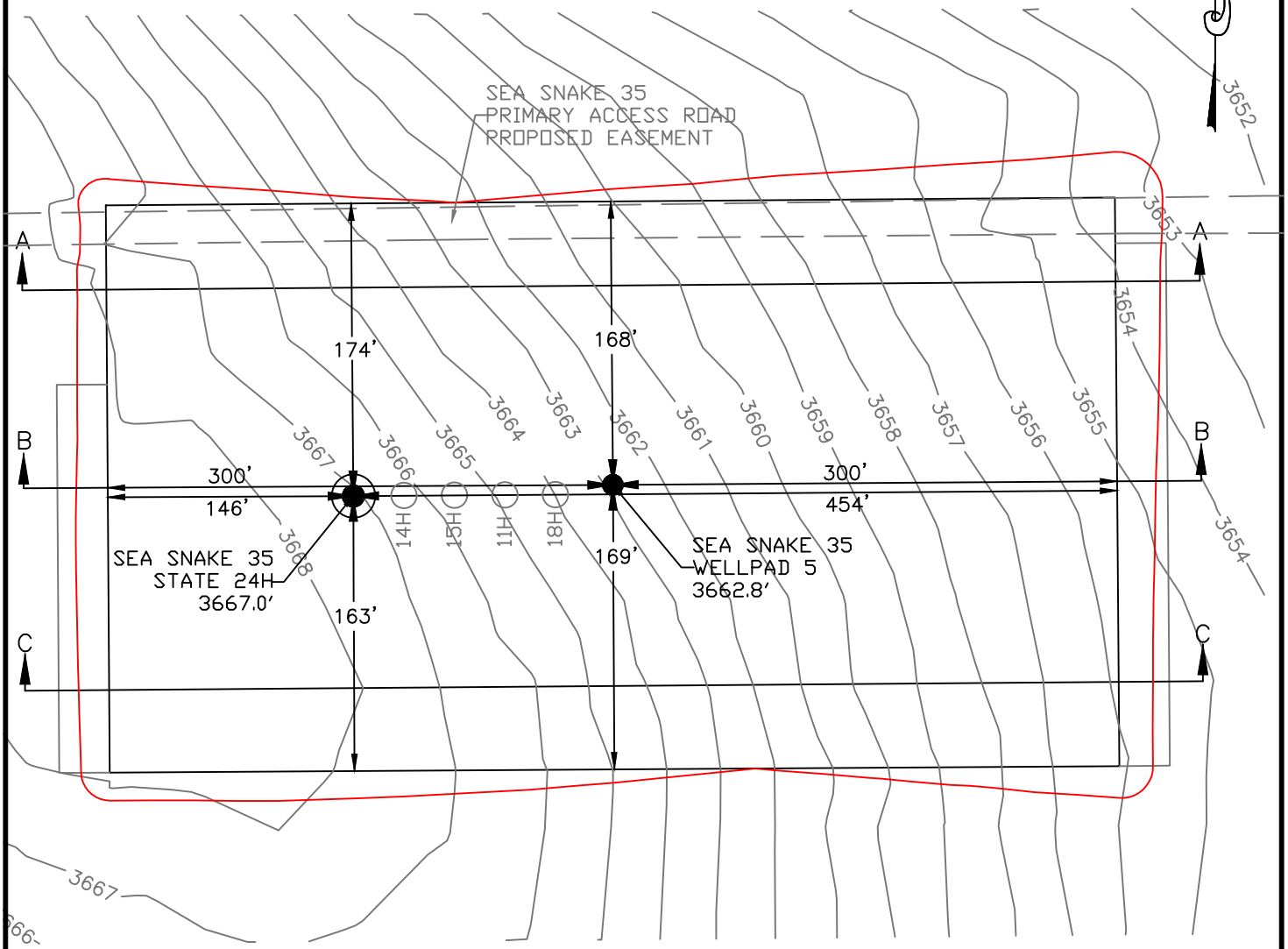
Thence N 85°21' E, a distance of 102.47' to the **Point of Ending**, having coordinates of Northing=457530.44, Easting=787201.72 feet from said point a 3" iron pipe w/BC for the southeast corner of Section 35, T23S-R33E bears S 63°33' E a distance of 1176.85', covering **4243.49' or 257.18 rods** and having an area of **2.923 acres.**

NOTES:
Bearings, distances and coordinates shown herein are based on New Mexico State Plane Coordinate System, NAD 83, East Zone 3001, US Survey Feet, all distances are grid.

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.

B.L. Laman PLS 22404
Date Signed: 12/06/2019
Horizon Row, LLC
P.O. Box 548, Dry Creek, LA
(903) 388-3045 70637
Employee of Horizon Row, LLC

SECTION 35, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
PLAN VIEW



DEVON ENERGY PRODUCTION COMPANY, L.P.
SEA SNAKE 35 STATE 24H
LOCATED 199 FT. FROM THE SOUTH LINE
AND 2007 FT. FROM THE WEST LINE OF
SECTION 35, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

0 100 200

EARTHWORK QUANTITIES FOR
SEA SNAKE 35 WELLPAD 5

CUT	FILL	NET
16,022 CY	16,024 CY	2 CY

EARTHWORK QUANTITIES ARE ESTIMATED

HORIZON ROW LLC

DEVON ENERGY PRODUCTION CO., L.P.

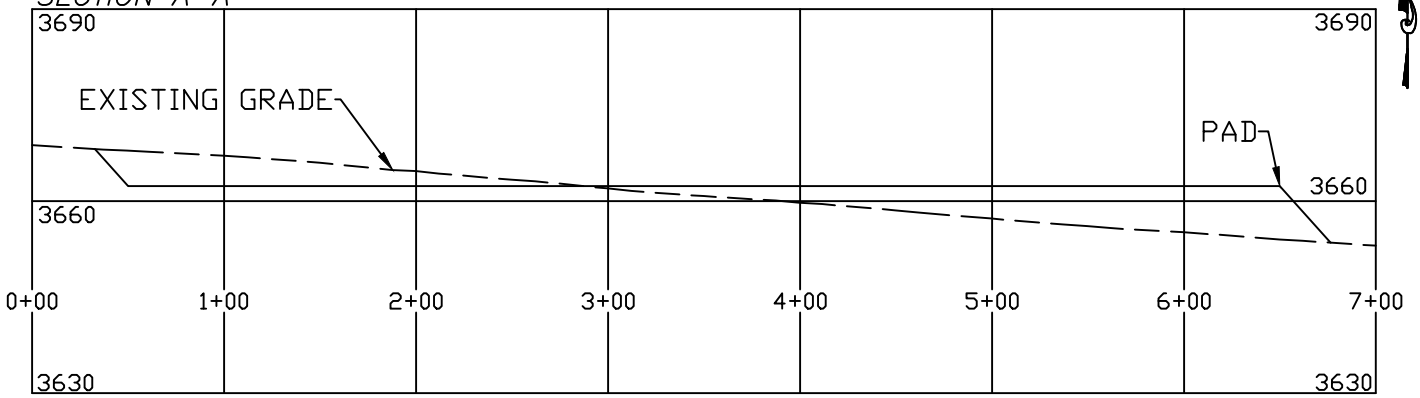
Drawn by: CHRIS MAAS

Date: 5/11/2021

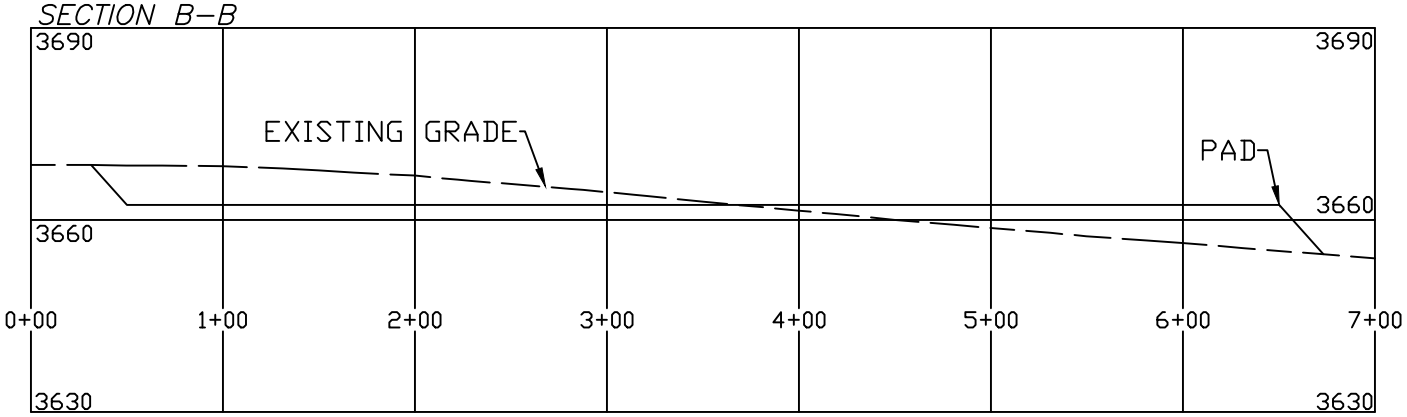
Drawn for: devon

SECTION 35, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
CROSS SECTIONS

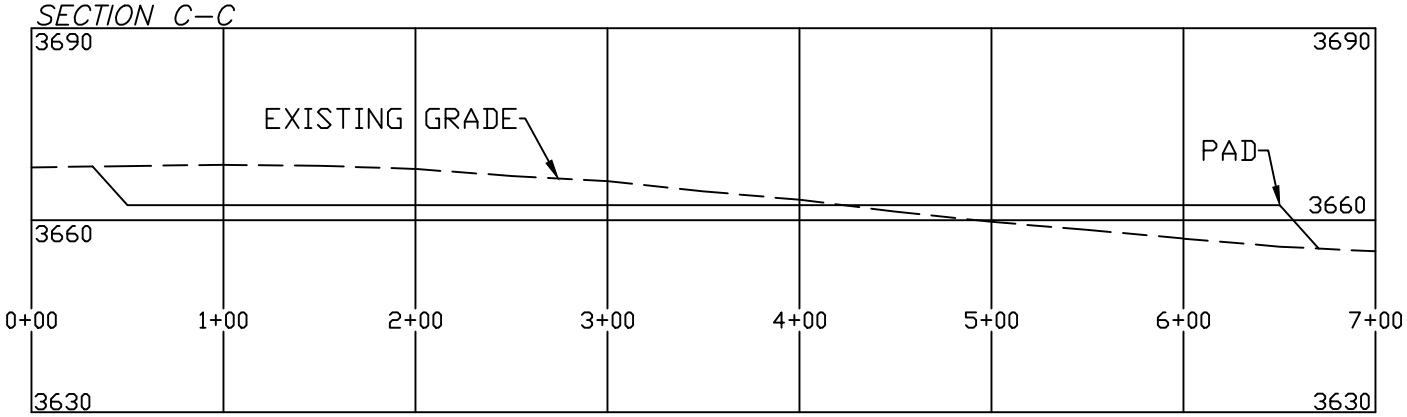
SECTION A–A



SECTION B–B



SECTION C–C



DEVON ENERGY PRODUCTION COMPANY, L.P.
SEA SNAKE 35 STATE 24H
LOCATED 199 FT. FROM THE SOUTH LINE
AND 2007 FT. FROM THE WEST LINE OF
SECTION 35, TOWNSHIP 23 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SCALE 1" = 100' HORIZONTAL
SCALE 1" = 30' VERTICAL

EARTHWORK QUANTITIES FOR
SEA SNAKE 35 WELLPAD 5

CUT	FILL	NET
16,022 CY	16,024 CY	2 CY

EARTHWORK QUANTITIES ARE ESTIMATED

HORIZON ROW LLC

DEVON ENERGY PRODUCTION CO., L.P.

Drawn by: CHRIS MAAS

Date: 5/11/2021

Drawn for:

devon

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Conditions

Permit 298590

PERMIT CONDITIONS OF APPROVAL

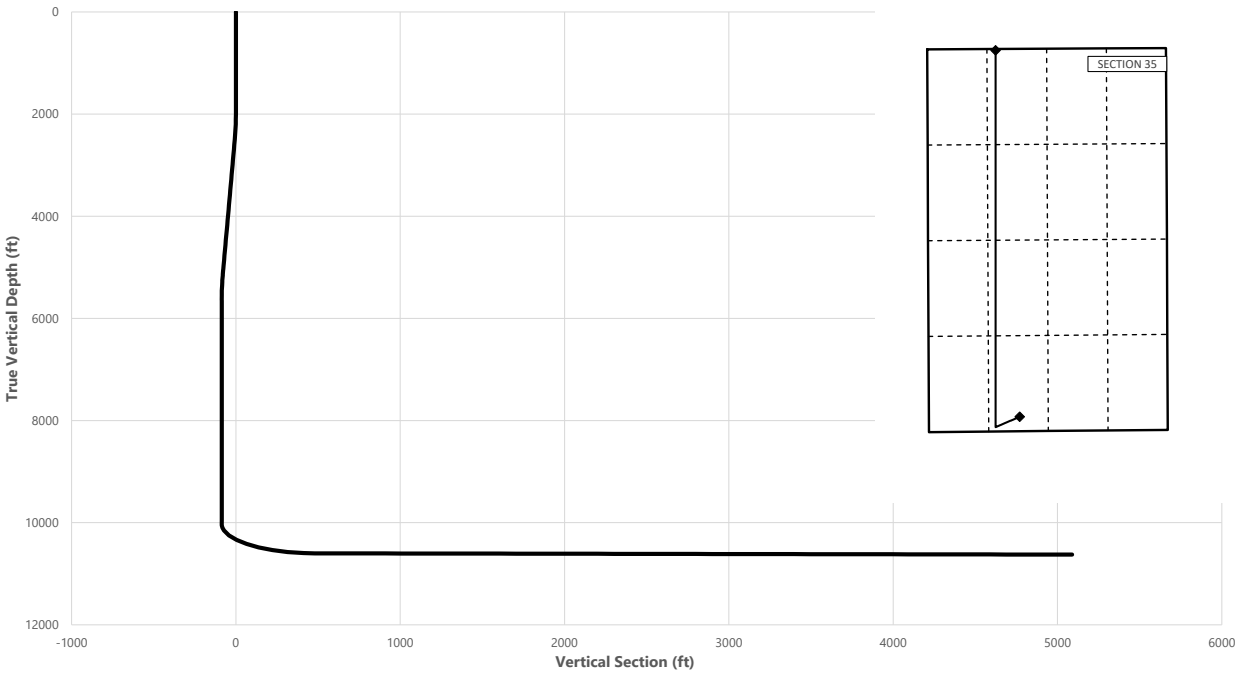
Operator Name and Address:	API Number:
DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 West Sheridan Ave. Oklahoma City, OK 73102	30-025-49279
	Well: SEA SNAKE 35 STATE #024H

OCD Reviewer	Condition
pkautz	Notify OCD 24 hours prior to casing & cement
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD. If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.

Well: Sea Snake 35 State 24H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
Datum: North American Datum 1927
Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
2000.00	0.00	255.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	255.00	2497.47	-11.26	-42.04	-6.79	2.00	Hold Tangent
5179.76	10.00	255.00	5136.51	-131.70	-491.52	-79.44	0.00	Drop to Vertical
5679.76	0.00	255.00	5633.98	-142.97	-533.56	-86.24	2.00	Hold Vertical
10072.83	0.00	0.00	10027.05	-142.97	-533.56	-86.24	0.00	KOP
10969.74	89.69	0.00	10600.00	426.90	-533.56	480.49	10.00	Landing Point
15603.68	89.69	0.00	10625.00	5060.78	-533.56	5088.83	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	1333.00	1333.00
Salt	1869.00	1869.00
Base of Salt	5074.65	5033.00
Delaware	5327.90	5283.00
Leonard	9165.78	9120.00
Bone Spring 1st / Point of Penetratio	10144.97	10099.00
exit	15523.68	10624.57

	MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
SHL	0.00	0.00	32.2543	-103.5453	199' FSL, 2007' FWL of Sec 35 in T23S, R33E
KOP	10072.83	10027.05	32.2539	-103.5470	60' FSL, 1473' FWL of Sec 35 in T23S, R33E
Point of Penetration	10144.97	10099.00	32.2542	-103.5468	100' FSL, 1511' FWL of Sec 35 in T23S, R33E
Exit	15523.68	10624.57	32.2681	-103.5468	100' FNL, 1511' FWL of Sec 35 in T23S, R33E
BHL	15603.68	10625.00	32.2682	-103.5469	20' FNL, 1511' FWL of Sec 35 in T23S, R33E

devon

Well: Sea Snake 35 State 24H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
Datum: North American Datum 1927
Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	255.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	255.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	255.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	255.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	255.00	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	255.00	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	255.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	255.00	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	255.00	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	255.00	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	255.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	255.00	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	255.00	1300.00	0.00	0.00	0.00	0.00	
1333.00	0.00	255.00	1333.00	0.00	0.00	0.00	0.00	Rustler
1400.00	0.00	255.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	255.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	255.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	255.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	255.00	1800.00	0.00	0.00	0.00	0.00	
1869.00	0.00	255.00	1869.00	0.00	0.00	0.00	0.00	Salt
1900.00	0.00	255.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	255.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	255.00	2099.98	-0.45	-1.69	-0.27	2.00	
2200.00	4.00	255.00	2199.84	-1.81	-6.74	-1.09	2.00	
2300.00	6.00	255.00	2299.45	-4.06	-15.16	-2.45	2.00	
2400.00	8.00	255.00	2398.70	-7.22	-26.93	-4.35	2.00	
2500.00	10.00	255.00	2497.47	-11.26	-42.04	-6.79	2.00	Hold Tangent
2600.00	10.00	255.00	2595.95	-15.76	-58.81	-9.51	0.00	
2700.00	10.00	255.00	2694.43	-20.25	-75.59	-12.22	0.00	
2800.00	10.00	255.00	2792.91	-24.75	-92.36	-14.93	0.00	
2900.00	10.00	255.00	2891.39	-29.24	-109.13	-17.64	0.00	
3000.00	10.00	255.00	2989.87	-33.74	-125.91	-20.35	0.00	
3100.00	10.00	255.00	3088.35	-38.23	-142.68	-23.06	0.00	
3200.00	10.00	255.00	3186.83	-42.73	-159.45	-25.77	0.00	
3300.00	10.00	255.00	3285.31	-47.22	-176.22	-28.48	0.00	
3400.00	10.00	255.00	3383.79	-51.71	-193.00	-31.19	0.00	
3500.00	10.00	255.00	3482.27	-56.21	-209.77	-33.90	0.00	
3600.00	10.00	255.00	3580.75	-60.70	-226.54	-36.62	0.00	
3700.00	10.00	255.00	3679.23	-65.20	-243.32	-39.33	0.00	
3800.00	10.00	255.00	3777.72	-69.69	-260.09	-42.04	0.00	
3900.00	10.00	255.00	3876.20	-74.19	-276.86	-44.75	0.00	
4000.00	10.00	255.00	3974.68	-78.68	-293.64	-47.46	0.00	
4100.00	10.00	255.00	4073.16	-83.17	-310.41	-50.17	0.00	
4200.00	10.00	255.00	4171.64	-87.67	-327.18	-52.88	0.00	
4300.00	10.00	255.00	4270.12	-92.16	-343.96	-55.59	0.00	
4400.00	10.00	255.00	4368.60	-96.66	-360.73	-58.30	0.00	
4500.00	10.00	255.00	4467.08	-101.15	-377.50	-61.01	0.00	
4600.00	10.00	255.00	4565.56	-105.65	-394.27	-63.72	0.00	
4700.00	10.00	255.00	4664.04	-110.14	-411.05	-66.44	0.00	
4800.00	10.00	255.00	4762.52	-114.64	-427.82	-69.15	0.00	
4900.00	10.00	255.00	4861.00	-119.13	-444.59	-71.86	0.00	
5000.00	10.00	255.00	4959.48	-123.62	-461.37	-74.57	0.00	
5074.65	10.00	255.00	5033.00	-126.98	-473.89	-76.59	0.00	Base of Salt
5100.00	10.00	255.00	5057.97	-128.12	-478.14	-77.28	0.00	
5179.76	10.00	255.00	5136.51	-131.70	-491.52	-79.44	0.00	Drop to Vertical
5200.00	9.60	255.00	5156.46	-132.59	-494.85	-79.98	2.00	
5300.00	7.60	255.00	5255.33	-136.46	-509.28	-82.31	2.00	
5327.90	7.04	255.00	5283.00	-137.38	-512.71	-82.87	2.00	Delaware
5400.00	5.60	255.00	5354.66	-139.43	-520.37	-84.10	2.00	
5500.00	3.60	255.00	5454.34	-141.51	-528.11	-85.35	2.00	
5600.00	1.60	255.00	5554.23	-142.68	-532.49	-86.06	2.00	
5679.76	0.00	255.00	5633.98	-142.97	-533.56	-86.24	2.00	Hold Vertical
5700.00	0.00	0.00	5654.22	-142.97	-533.56	-86.23	0.00	
5800.00	0.00	0.00	5754.22	-142.97	-533.56	-86.23	0.00	
5900.00	0.00	0.00	5854.22	-142.97	-533.56	-86.23	0.00	
6000.00	0.00	0.00	5954.22	-142.97	-533.56	-86.23	0.00	
6100.00	0.00	0.00	6054.22	-142.97	-533.56	-86.23	0.00	
6200.00	0.00	0.00	6154.22	-142.97	-533.56	-86.23	0.00	
6300.00	0.00	0.00	6254.22	-142.97	-533.56	-86.23	0.00	

devon

Well: Sea Snake 35 State 24H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
Datum: North American Datum 1927
Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6400.00	0.00	0.00	6354.22	-142.97	-533.56	-86.23	0.00	
6500.00	0.00	0.00	6454.22	-142.97	-533.56	-86.23	0.00	
6600.00	0.00	0.00	6554.22	-142.97	-533.56	-86.23	0.00	
6700.00	0.00	0.00	6654.22	-142.97	-533.56	-86.23	0.00	
6800.00	0.00	0.00	6754.22	-142.97	-533.56	-86.23	0.00	
6900.00	0.00	0.00	6854.22	-142.97	-533.56	-86.23	0.00	
7000.00	0.00	0.00	6954.22	-142.97	-533.56	-86.23	0.00	
7100.00	0.00	0.00	7054.22	-142.97	-533.56	-86.23	0.00	
7200.00	0.00	0.00	7154.22	-142.97	-533.56	-86.23	0.00	
7300.00	0.00	0.00	7254.22	-142.97	-533.56	-86.23	0.00	
7400.00	0.00	0.00	7354.22	-142.97	-533.56	-86.23	0.00	
7500.00	0.00	0.00	7454.22	-142.97	-533.56	-86.23	0.00	
7600.00	0.00	0.00	7554.22	-142.97	-533.56	-86.23	0.00	
7700.00	0.00	0.00	7654.22	-142.97	-533.56	-86.23	0.00	
7800.00	0.00	0.00	7754.22	-142.97	-533.56	-86.23	0.00	
7900.00	0.00	0.00	7854.22	-142.97	-533.56	-86.23	0.00	
8000.00	0.00	0.00	7954.22	-142.97	-533.56	-86.23	0.00	
8100.00	0.00	0.00	8054.22	-142.97	-533.56	-86.23	0.00	
8200.00	0.00	0.00	8154.22	-142.97	-533.56	-86.23	0.00	
8300.00	0.00	0.00	8254.22	-142.97	-533.56	-86.23	0.00	
8400.00	0.00	0.00	8354.22	-142.97	-533.56	-86.23	0.00	
8500.00	0.00	0.00	8454.22	-142.97	-533.56	-86.23	0.00	
8600.00	0.00	0.00	8554.22	-142.97	-533.56	-86.23	0.00	
8700.00	0.00	0.00	8654.22	-142.97	-533.56	-86.23	0.00	
8800.00	0.00	0.00	8754.22	-142.97	-533.56	-86.23	0.00	
8900.00	0.00	0.00	8854.22	-142.97	-533.56	-86.23	0.00	
9000.00	0.00	0.00	8954.22	-142.97	-533.56	-86.23	0.00	
9100.00	0.00	0.00	9054.22	-142.97	-533.56	-86.23	0.00	
9165.78	0.00	0.00	9120.00	-142.97	-533.56	-86.23	0.00	Leonard
9200.00	0.00	0.00	9154.22	-142.97	-533.56	-86.23	0.00	
9300.00	0.00	0.00	9254.22	-142.97	-533.56	-86.23	0.00	
9400.00	0.00	0.00	9354.22	-142.97	-533.56	-86.23	0.00	
9500.00	0.00	0.00	9454.22	-142.97	-533.56	-86.23	0.00	
9600.00	0.00	0.00	9554.22	-142.97	-533.56	-86.23	0.00	
9700.00	0.00	0.00	9654.22	-142.97	-533.56	-86.23	0.00	
9800.00	0.00	0.00	9754.22	-142.97	-533.56	-86.23	0.00	
9900.00	0.00	0.00	9854.22	-142.97	-533.56	-86.23	0.00	
10000.00	0.00	0.00	9954.22	-142.97	-533.56	-86.23	0.00	
10072.83	0.00	0.00	10027.05	-142.97	-533.56	-86.24	0.00	KOP
10100.00	2.72	0.00	10054.21	-142.32	-533.56	-85.59	10.00	
10144.97	7.21	0.00	10099.00	-138.43	-533.56	-81.72	10.00	Bone Spring 1st / Point of Penetration
10200.00	12.72	0.00	10153.18	-128.91	-533.56	-72.26	10.00	
10300.00	22.72	0.00	10248.31	-98.52	-533.56	-42.03	10.00	
10400.00	32.72	0.00	10336.73	-52.07	-533.56	4.16	10.00	
10500.00	42.72	0.00	10415.73	9.03	-533.56	64.92	10.00	
10600.00	52.72	0.00	10482.93	82.92	-533.56	138.41	10.00	
10700.00	62.72	0.00	10536.27	167.35	-533.56	222.38	10.00	
10800.00	72.72	0.00	10574.14	259.77	-533.56	314.28	10.00	
10900.00	82.72	0.00	10595.39	357.36	-533.56	411.33	10.00	
10969.74	89.69	0.00	10600.00	426.90	-533.56	480.49	10.00	Landing Point
11000.00	89.69	0.00	10600.16	457.16	-533.56	510.58	0.00	
11100.00	89.69	0.00	10600.70	557.16	-533.56	610.03	0.00	
11200.00	89.69	0.00	10601.24	657.16	-533.56	709.48	0.00	
11300.00	89.69	0.00	10601.78	757.16	-533.56	808.93	0.00	
11400.00	89.69	0.00	10602.32	857.15	-533.56	908.37	0.00	
11500.00	89.69	0.00	10602.86	957.15	-533.56	1007.82	0.00	
11600.00	89.69	0.00	10603.40	1057.15	-533.56	1107.27	0.00	
11700.00	89.69	0.00	10603.94	1157.15	-533.56	1206.72	0.00	
11800.00	89.69	0.00	10604.48	1257.15	-533.56	1306.16	0.00	
11900.00	89.69	0.00	10605.02	1357.15	-533.56	1405.61	0.00	
12000.00	89.69	0.00	10605.56	1457.15	-533.56	1505.06	0.00	
12100.00	89.69	0.00	10606.10	1557.14	-533.56	1604.50	0.00	
12200.00	89.69	0.00	10606.64	1657.14	-533.56	1703.95	0.00	
12300.00	89.69	0.00	10607.18	1757.14	-533.56	1803.40	0.00	
12400.00	89.69	0.00	10607.72	1857.14	-533.56	1902.85	0.00	
12500.00	89.69	0.00	10608.26	1957.14	-533.56	2002.29	0.00	
12600.00	89.69	0.00	10608.80	2057.14	-533.56	2101.74	0.00	
12700.00	89.69	0.00	10609.34	2157.14	-533.56	2201.19	0.00	
12800.00	89.69	0.00	10609.88	2257.13	-533.56	2300.64	0.00	
12900.00	89.69	0.00	10610.42	2357.13	-533.56	2400.08	0.00	

devon

Well: Sea Snake 35 State 24H
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Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
13000.00	89.69	0.00	10610.96	2457.13	-533.56	2499.53	0.00	
13100.00	89.69	0.00	10611.50	2557.13	-533.56	2598.98	0.00	
13200.00	89.69	0.00	10612.04	2657.13	-533.56	2698.43	0.00	
13300.00	89.69	0.00	10612.57	2757.13	-533.56	2797.87	0.00	
13400.00	89.69	0.00	10613.11	2857.12	-533.56	2897.32	0.00	
13500.00	89.69	0.00	10613.65	2957.12	-533.56	2996.77	0.00	
13600.00	89.69	0.00	10614.19	3057.12	-533.56	3096.21	0.00	
13700.00	89.69	0.00	10614.73	3157.12	-533.56	3195.66	0.00	
13800.00	89.69	0.00	10615.27	3257.12	-533.56	3295.11	0.00	
13900.00	89.69	0.00	10615.81	3357.12	-533.56	3394.56	0.00	
14000.00	89.69	0.00	10616.35	3457.12	-533.56	3494.00	0.00	
14100.00	89.69	0.00	10616.89	3557.11	-533.56	3593.45	0.00	
14200.00	89.69	0.00	10617.43	3657.11	-533.56	3692.90	0.00	
14300.00	89.69	0.00	10617.97	3757.11	-533.56	3792.35	0.00	
14400.00	89.69	0.00	10618.51	3857.11	-533.56	3891.79	0.00	
14500.00	89.69	0.00	10619.05	3957.11	-533.56	3991.24	0.00	
14600.00	89.69	0.00	10619.59	4057.11	-533.56	4090.69	0.00	
14700.00	89.69	0.00	10620.13	4157.11	-533.56	4190.14	0.00	
14800.00	89.69	0.00	10620.67	4257.10	-533.56	4289.58	0.00	
14900.00	89.69	0.00	10621.21	4357.10	-533.56	4389.03	0.00	
15000.00	89.69	0.00	10621.75	4457.10	-533.56	4488.48	0.00	
15100.00	89.69	0.00	10622.29	4557.10	-533.56	4587.93	0.00	
15200.00	89.69	0.00	10622.83	4657.10	-533.56	4687.37	0.00	
15300.00	89.69	0.00	10623.37	4757.10	-533.56	4786.82	0.00	
15400.00	89.69	0.00	10623.91	4857.10	-533.56	4886.27	0.00	
15500.00	89.69	0.00	10624.45	4957.09	-533.56	4985.71	0.00	
15523.68	89.69	0.00	10624.57	4980.78	-533.56	5009.27	0.00	exit
15600.00	89.69	0.00	10624.99	5057.09	-533.56	5085.16	0.00	
15603.68	89.69	0.00	10625.00	5060.78	-533.56	5088.83	0.00	BHL

Sea Snake 35 State 24H

1. Geologic Formations

TVD of target	10625	Pilot hole depth	N/A
MD at TD:	15604	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	1333		
Salt	1869		
Base of Salt	5033		
Delaware	5283		
Leonard	9120		
Bone Spring 1st	10099		

*H2S, water flows, loss of circulation, abnormal pressures, etc.

Sea Snake 35 State 24H

2. Casing Program

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Casing Interval		Casing Interval	
					From (MD)	To (MD)	From (TVD)	To (TVD)
17 1/2	13 3/8	48	H40	BTC	0	1358	0	1358
12 1/4	9 5/8	40	J-55	BTC	0	5133	0	5133
8 3/4	5 1/2	17	P110	BTC	0	15604	0	10625

• All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 IILB.1.h Must have table for contingency casing.

Sea Snake 35 State 24H

3. Cementing Program (3-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	1021	Surf	13.2	1.4	Lead: Class C Cement + additives
Int 1	564	Surf	9.0	3.3	Lead: Class C Cement + additives
	154	500' above shoe	13.2	1.4	Tail: Class H / C + additives
Int 1 Intermediate Squeeze	As Needed	Surf	9.0	3.3	Squeeze Lead: Class C Cement + additives
	564	Surf	9.0	3.3	Lead: Class C Cement + additives
	154	500' above shoe	13.2	1.4	Tail: Class H / C + additives
Production	464	500' tieback	9.0	3.3	Lead: Class H /C + additives
	1067	KOP	13.2	1.4	Tail: Class H / C + additives

If a DV tool is ran the depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. Slurry weights will be adjusted based on estimated fracture gradient of the formation. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. If cement is not returned to surface during the primary cement job on the surface casing string, a planned top job will be conducted immediately after completion of the primary job.

Casing String	% Excess
Surface	50%
Intermediate	30%
Production	10%

Sea Snake 35 State 24H

4. Pressure Control Equipment (Three String Design)

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
Int 1	13-58"	5M	Annular	X	50% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		
Production	13-5/8"	5M	Annular	X	50% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		
			Annular (5M)		
			Blind Ram		
			Pipe Ram		
			Double Ram		
			Other*		

Sea Snake 35 State 24H

5. Mud Program (Three String Design)

Section	Type	Weight (ppg)
Surface	FW Gel	8.5-9
Intermediate	Brine	10-10.5
Production	WBM	8.5-9

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring

6. Logging and Testing Procedures

Logging, Coring and Testing	
X	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the Completion Report and sbumitted to the BLM.
	No logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain.
	Coring? If yes, explain.

Additional logs planned		Interval
	Resistivity	
	Density	
X	CBL	Production casing
X	Mud log	KOP to TD
	PEX	

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	4972
Abnormal temperature	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogren Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.	
N	H2S is present
Y	H2S plan attached.

8. Other facets of operation

Is this a walking operation? Potentially

1 If operator elects, drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
2 The drilling rig will then batch drill the intermediate sections and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
3 The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Potentially

1 Spudder rig will move in and batch drill surface hole.
    a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.
2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pad.
6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
7 Drilling operations will be performed with drilling rig. At that time an approved BOP stack will be nippled up and tested on the wellhead before drilling operations commences on each well.
    a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

Attachments

X Directional Plan
_____ Other, describe

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

Hydrogen Sulfide (H_2S) Contingency Plan

For

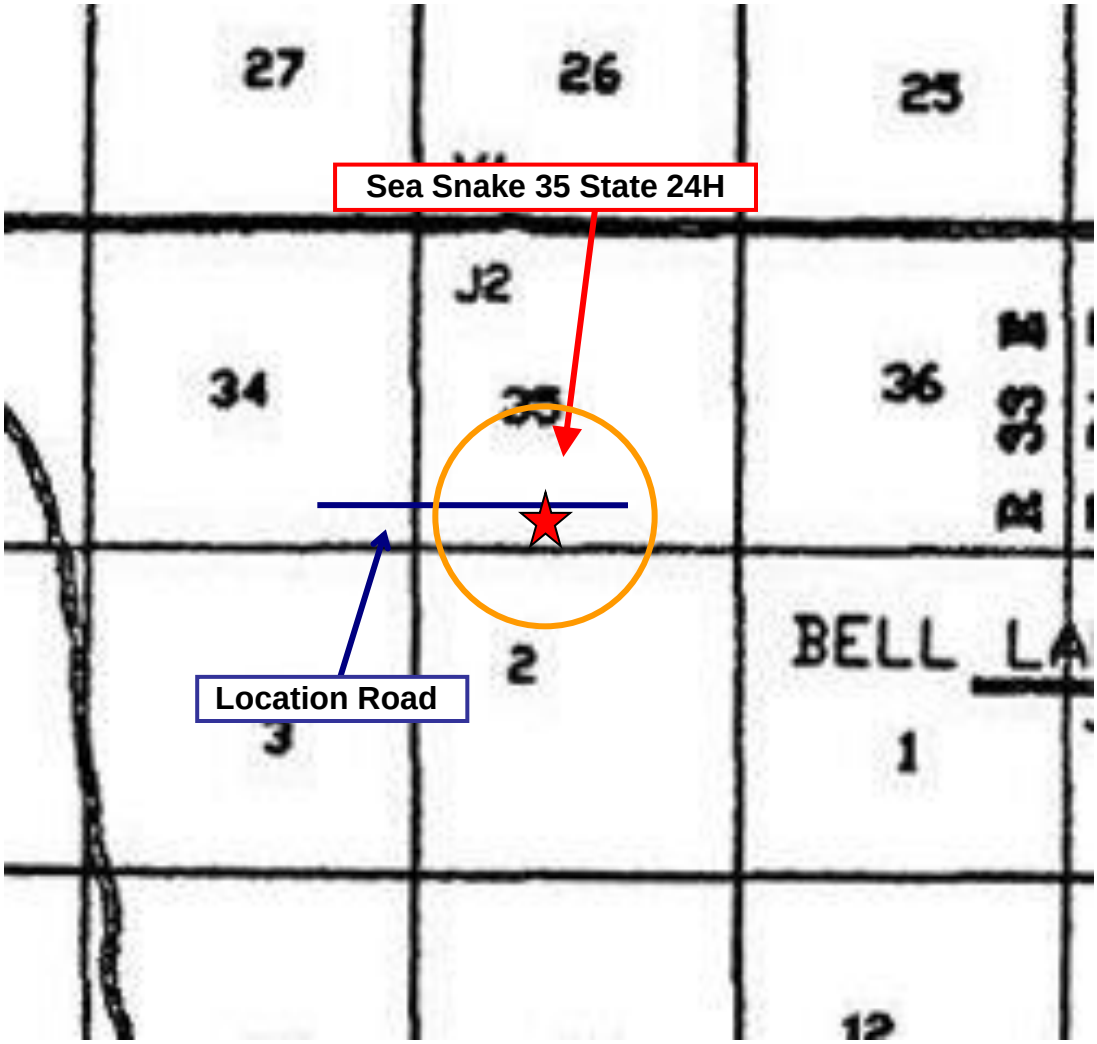
Sea Snake 35 State 24H

Sec-35 T-23S R-33E
199 FSL & 2007' FWL
LAT. = 32.254422' N (NAD83)
LONG = 103.545172' W

Lea County NM

Sea Snake 35 State 24H

This is an open drilling site. H_2S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H_2S, including warning signs, wind indicators and H_2S monitor.



Assumed 100 ppm ROE = 3000' (Radius of Exposure)
100 ppm H2S concentration shall trigger activation of this plan.

Escape

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from the location entrance road. Crews should then block the entrance to the location from the lease road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. There are no homes or buildings in or near the ROE.

Assumed 100 ppm ROE = 3000'

100 ppm H_2S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H_2S, the first responder(s) must

- **Isolate the area and prevent entry by other persons into the 100 ppm ROE.**
- **Evacuate any public places encompassed by the 100 ppm ROE.**
- **Be equipped with H_2S monitors and air packs in order to control the release.**
- **Use the "buddy system" to ensure no injuries occur during the response**
- **Take precautions to avoid personal injury during this operation.**
- **Contact operator and/or local officials to aid in operation. See list of phone numbers attached.**
- **Have received training in the**
  - **Detection of H_2S, and**
  - **Measures for protection against the gas,**
  - **Equipment used for protection and emergency response.**

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO_2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Characteristics of H_2S and SO_2

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H_2S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO_2	2.21 Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

Devon Energy Corp. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Devon Energy Corp. Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

Hydrogen Sulfide Drilling Operation Plan

I. HYDROGEN SULFIDE (H_2S) TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H_2S)
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H_2S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

1. The effects of H_2S metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
3. The contents and requirements of the H_2S Drilling Operations Plan and Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H_2S zone (within 3 days or 500 feet) and weekly H_2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H_2S Drilling Operations Plan and the Public Protection Plan.

II. HYDROGEN SULFIDE TRAINING

Note: All H_2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H_2S.

1. **Well Control Equipment**

   A. Flare line

   B. Choke manifold – Remotely Operated

   C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit

   D. Auxiliary equipment may include if applicable: annular preventer and rotating head.

   E. Mud/Gas Separator

2. **Protective equipment for essential personnel:**

   30-minute SCBA units located at briefing areas, as indicated on well site diagram, with escape units available in the top doghouse. As it may be difficult to communicate audibly while wearing these units, hand signals shall be utilized.

3. **H_2S detection and monitoring equipment:**

   Portable H_2S monitors positioned on location for best coverage and response. These units have warning lights which activate when H_2S levels reach 10 ppm and audible sirens which activate at 15 ppm. Sensor locations:

   - **Bell nipple**
   - **Rig floor**
   - **Cellar**
   - **Possum Belly/Shale shaker**
   - **Choke manifold**

   Visual warning systems:

   A. Wind direction indicators as shown on well site diagram

   B. Caution/ Danger signs shall be posted on roads providing direct access to locations. Signs will be painted a high visibility yellow with black lettering of sufficient size to be reasonable distance from the immediate location. Bilingual signs will be used when appropriate.

4. **Mud program:**

   The mud program has been designed to minimize the volume of H_2S circulated to surface. Proper mud weight, safe drilling practices and the use of H_2S scavengers will minimize hazards when penetrating H_2S bearing zones.

5. **Metallurgy:**

   A. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold lines, and valves shall be H_2S trim.

   B. All elastomers used for packing and seals shall be H_2S trim.

6. **Communication:**

   A. Company personnel have/use cellular telephones in the field.

   B. Land line (telephone) communications at Office

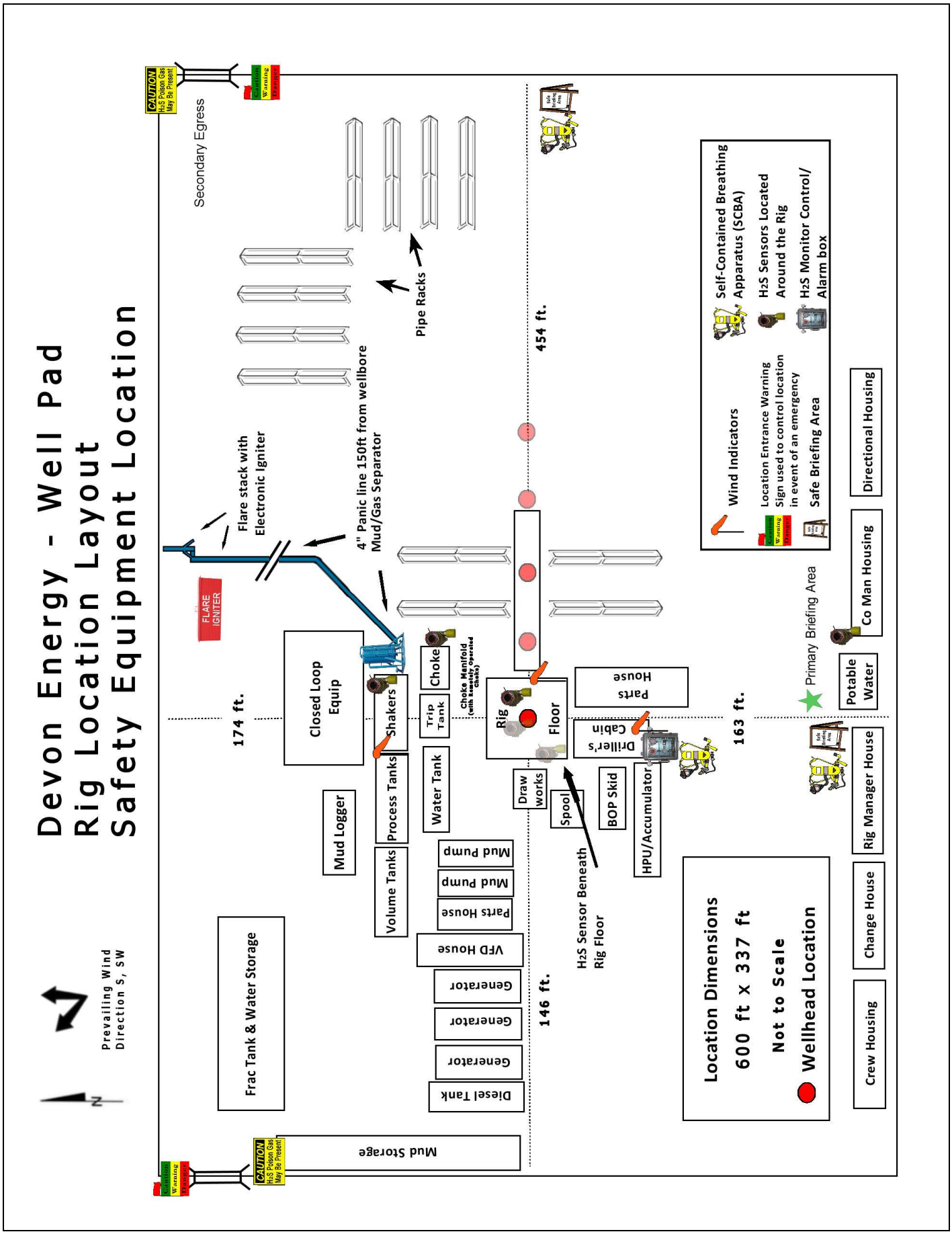
7. **Well testing:**

   A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safety and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill-stem-testing operations conducted in an H_2S environment will use the closed chamber method of testing.

   B. There will be no drill stem testing.

Devon Energy Corp. Company Call List			
Drilling Supervisor – Basin – Mark Kramer			405-823-4796
EHS Professional – Laura Wright			405-439-8129
Agency Call List			
Lea County (575)	**Hobbs**		
	Lea County Communication Authority		393-3981
	State Police		392-5588
	City Police		397-9265
	Sheriff's Office		393-2515
	Ambulance		**911**
	Fire Department		397-9308
	LEPC (Local Emergency Planning Committee)		393-2870
	NMOCD		393-6161
	US Bureau of Land Management		393-3612
Eddy County (575)	**Carlsbad**		
	State Police		885-3137
	City Police		885-2111
	Sheriff's Office		887-7551
	Ambulance		**911**
	Fire Department		885-3125
	LEPC (Local Emergency Planning Committee)		887-3798
	US Bureau of Land Management		887-6544
	NM Emergency Response Commission (Santa Fe)		(505) 476-9600
	24 HR		(505) 827-9126
	National Emergency Response Center		(800) 424-8802
	National Pollution Control Center: Direct		(703) 872-6000
	For Oil Spills		(800) 280-7118
	Emergency Services		
	Wild Well Control		(281) 784-4700
	Cudd Pressure Control	(915) 699-0139	(915) 563-3356
	Halliburton		(575) 746-2757
	B. J. Services		(575) 746-3569
Give GPS position:	Native Air – Emergency Helicopter – Hobbs		(575) 392-6429
	Flight For Life - Lubbock, TX		(806) 743-9911
	Aerocare - Lubbock, TX		(806) 747-8923
	Med Flight Air Amb - Albuquerque, NM		(575) 842-4433
	Lifeguard Air Med Svc. Albuquerque, NM		(800) 222-1222
	Poison Control (24/7)		(575) 272-3115
	Oil & Gas Pipeline 24 Hour Service		(800) 364-4366
	NOAA – Website - www.nhc.noaa.gov		

Prepared in conjunction with
Dave Small SHARP communications and consulting


Devon Energy - Well Pad
Rig Location Layout
Safety Equipment Location
Prevailing Wind
Direction S, SW
N
Secondary Egress
CAUTION
H2S Poison Gas
May Be Present
Flare stack with
Electronic Igniter
FLARE
IGNITER
4" Panic line 150ft from wellbore
Mud/Gas Separator
Pipe Racks
454 ft.
174 ft.
163 ft.
146 ft.
Closed Loop
Equip
Shakers
Choke
Trip
Tank
Choke Manifold
(with Remotely Operated
Choke)
Rig
Floor
Parts
House
Driller's
Cabin
Mud Logger
Process Tanks
Water Tank
Draw
works
Spool
BOP Skid
HPU/Accumulator
H2S Sensor Beneath
Rig Floor
Volume Tanks
Mud Pump
Mud Pump
Parts House
VFD House
Generator
Generator
Generator
Diesel Tank
Frac Tank & Water Storage
Mud Storage
Primary Briefing Area
Potable
Water
Co Man Housing
Directional Housing
Rig Manager House
Change House
Crew Housing
Location Dimensions
600 ft x 337 ft
Not to Scale
Wellhead Location
Self-Contained Breathing
Apparatus (SCBA)
H2S Sensors Located
Around the Rig
H2S Monitor Control/
Alarm box
Wind Indicators
Location Entrance Warning
Sign used to control location
in event of an emergency
Safe Briefing Area

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: Devon Energy Production Company, L.P. **OGRID:** 6137 **Date:** 7 /7 / 2021

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Sea Snake 35 State 24H		35-23S-33E	199 FSL & 2007 FWL	1500	4000	4000

IV. Central Delivery Point Name: Sea Snake 35 CTB 3 [See 19.15.27.9(D)(1) NMAC]

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Sea Snake 35 State 24H		4/8/2022	5/8/2020	9/5/2022	9/5/2022	9/5/2022

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

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

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

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

Signature:	
Printed Name:	Lindsey N. Miles
Title:	Manager, Land
E-mail Address:	
Date:	
Phone:	

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

VI. Separation Equipment

Devon Energy Production Company, L.P. utilizes a "stage separation" process in which oil and gas separation is carried out through a series of separators operating at successively reduced pressures. Hydrocarbon liquids are produced into a high-pressure inlet separator, then carried through one or more lower pressure separation vessels before entering the storage tanks. The purpose of this separation process is to attain maximum recovery of liquid hydrocarbons from the fluids and allow maximum capture of produced gas into the sales pipeline. Devon utilizes a series of Low-Pressure Compression units to capture gas off the staged separation and send it to the sales pipeline. This process minimizes the amount of flash gas that enters the end-stage storage tanks that is subsequently vented or flared.

VII. Operational Practices

Devon Energy Production Company, L. P. will employ best management practices and control technologies to maximize the recovery and minimize waste of natural gas through venting and flaring.

- During drilling operations, Devon will utilize flares and/or combustors to capture and control natural gas, where technically feasible. If flaring is deemed technically in-feasible, Devon will employ best management practices to minimize or reduce venting to the extent possible.
- During completions operations, Devon will utilize Green Completion methods to capture gas produced during well completions that is otherwise vented or flared. If capture is technically in-feasible, flares and/or combustors will be used to capture and control flow back fluids entering into frac tanks during initial flowback. Upon indication of first measurable hydrocarbon volumes, Devon will turn operations to onsite separation vessels and flow to the gathering pipeline.
- During production operations, Devon will take every practical effort to minimize waste of natural gas through venting and flaring by:
  - Designing and constructing facilities in a manner consistent to achieve maximum capture and control of hydrocarbon liquids & produced gas
  - Utilizing a closed-loop capture system to collect and route produced gas to sales line via low pressure compression, or to a flare/combustor
  - Flaring in lieu of venting, where technically feasible
  - Utilizing auto-ignitors or continuous pilots, with thermocouples connected to Scada, to quickly detect and resolve issues related to malfunctioning flares/combustors
  - Employ the use of automatic tank gauging to minimize storage tank venting during loading events
  - Installing air-driven or electric-driven pneumatics & combustion engines, where technically feasible to minimize venting to the atmosphere
  - Confirm equipment is properly maintained and repaired through a preventative maintenance and repair program to ensure equipment meets all manufacturer specifications
  - Conduct and document AVO inspections on the frequency set forth in Part 27 to detect and repair any onsite leaks as quickly and efficiently as is feasible

VIII. Best Management Practices during Maintenance

Devon Energy Production Company, L.P. will utilize best management practices to minimize venting during active and planned maintenance activities. Devon is operating under guidance that production facilities permitted under NOI permits have no provisions to allow high pressure flaring and high pressure flaring is only allowed in disruption scenarios so long as the duration is less than eight hours. When technically feasible, flaring during maintenance activities will be utilized in lieu of venting to the atmosphere. Devon will work with third-party operators during scheduled maintenance of downstream pipeline or processing plants to address those events ahead of time to minimize venting. Actions considered include identifying alternative capture approaches or planning to temporarily reduce production or shut in the well to address these circumstances.