

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Sundry Print Report

Well Name: BELL LAKE 24 FED Well Location: T24S / R32E / SEC 24 / County or Parish/State: LEA /

SWSW / 32.196849 / -103.633054

NM

Well Number: 19H Allottee or Tribe Name: Type of Well: OIL WELL

Lease Number: NMNM116574 **Unit or CA Name: Unit or CA Number:**

Operator: DEVON ENERGY **US Well Number**: 3002546872 Well Status: Approved Application for PRODUCTION COMPANY LP

Permit to Drill

Notice of Intent

Type of Action Other Type of Submission: Notice of Intent

Date Sundry Submitted: 06/23/2021 Time Sundry Submitted: 01:27

Date proposed operation will begin: 06/16/2021

Procedure Description: Devon Energy Production Company, L. P. respectfully requests a SHL, BHL and Target change from original APD. SHL move from 197 FSL & 1211 FWL to 347 FLS & 1181 FWL, both 24-24S-32E BHL move from 20 FNL & 2310 FWL to 20 FNL & 808 FWL, both 24-24S-32E TVD/MD change from 12,500'/17,555' to 10,050'/15,086.99' Pool change from 98309 - WC-025 G-08 S243213C;WOLFCAMP to 97964 - WC-025 G-07 S243225C; LOWER BONE SPRING Please see attached revised C-102 and Drilling & Directional plans

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Bell_Lake_24_Fed_019H_C_102_SHL_Rev_20210623132501.pdf

Bell_Lake_24_Fed_019H_Directional_Plan_06_23_21_20210623132458.pdf

Bell Lake 24 Fed 019H 20210623132458.pdf

eived by OCD: 10/26/2021 9:26:06 AM Well Name: BELL LAKE 24 FED

Well Location: T24S / R32E / SEC 24 /

SWSW / 32.196849 / -103.633054

County or Parish/State: LEA 7

Zip:

Well Number: 19H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM116574

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002546872

Well Status: Approved Application for

Permit to Drill

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Additional Reviews

Bell_Lake_24_Fed_19H_Dr_COA_Sundry_ID_2503886_20210630143315.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: JUN 23, 2021 01:26 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:

State: City:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS **BLM POC Title:** Petroleum Engineer

BLM POC Phone: 5752342234 BLM POC Email Address: cwalls@blm.gov

Disposition: Approved Disposition Date: 07/15/2021

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: | Devon Energy Production Company LP

LEASE NO.: | NMNM116574

WELL NAME & NO.: Bell Lake 24 Fed 19H SURFACE HOLE FOOTAGE: 347'/S & 1181'/W

BOTTOM HOLE FOOTAGE | 20'/N & 808'/W

LOCATION: | Section 24, T.24 S., R.32 E., NMPM

COUNTY: Lea County, New Mexico

COA

H2S	☑ Yes	□ No	
Potash	■ None	☐ Secretary	□ R-111-P
Cave/Karst Potential	□ Low	☐ Medium	☐ High
Cave/Karst Potential	Critical		
Variance	None None	☑ Flex Hose	C Other
Wellhead	Conventional	☑ Multibowl	■ Both
Other	☐ 4 String Area	☐ Capitan Reef	□WIPP
Other	Fluid Filled		☐ Pilot Hole
Special Requirements	☐ Water Disposal	□ СОМ	□ Unit

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware Mountain Group** formation. As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

- 1. The 13-3/8 inch surface casing shall be set at approximately 1201 feet (a minimum of 25 feet (Lea County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

- 2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing shall be set at approximately 5076 feet is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above. Cement excess is less than 25%, more cement might be required.

Operator has proposed to pump down 13-3/8" X 9-5/8" annulus. Operator must run a CBL from TD of the 9-5/8" casing to surface. Submit results to BLM.

- 3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back at least 200 feet into previous casing string.
 Operator shall provide method of verification.
 Cement excess is less than 25%, more cement might be required.

C. PRESSURE CONTROL

- 1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
- 2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.

- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)
 - Eddy County
 Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822
 - ✓ Lea CountyCall the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)393-3612
- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- 2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.
- B. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not

- hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
- b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 939-6161 Fax: (575) 393-0720
DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

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

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

X AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	WEER ROUTINGS IN	TE HEILER BEDICHTION I BHI						
API Number	Pool Code	Pool Name	Pool Name					
30-025-46872	97964	97964 WC-025 G-07 S243225C; LOWER						
Property Code	·	Property Name						
39911	BELL	BELL LAKE 24 FED						
OGRID No.		Operator Name	Elevation					
6137	DEVON ENERGY P	DEVON ENERGY PRODUCTION COMPANY, L.P.						

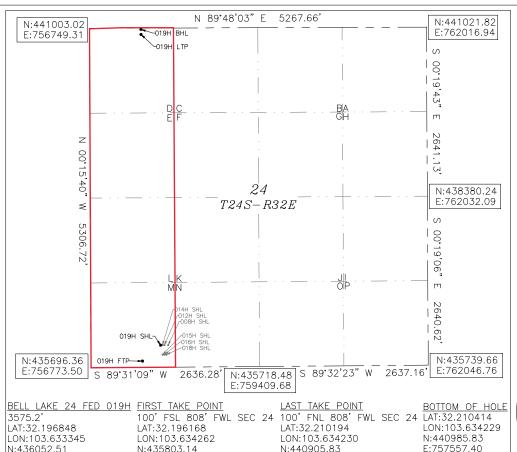
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	24	24-S	32-E		347	SOUTH	1091	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	24	24-S	32-E		20	NORTH	808	WEST	LEA
Dedicated Acre	s Joint o	r Infill (Consolidation	Code Or	der No.				
160									

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



E:757557.76

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.

Rebuta Deal Signature

6/15/2021 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.

6/8/21

Date of Survey



Certificate No. 22404

B.L. LAMAN

DRAWN BY: CM

E:757581.02

E:757862.88

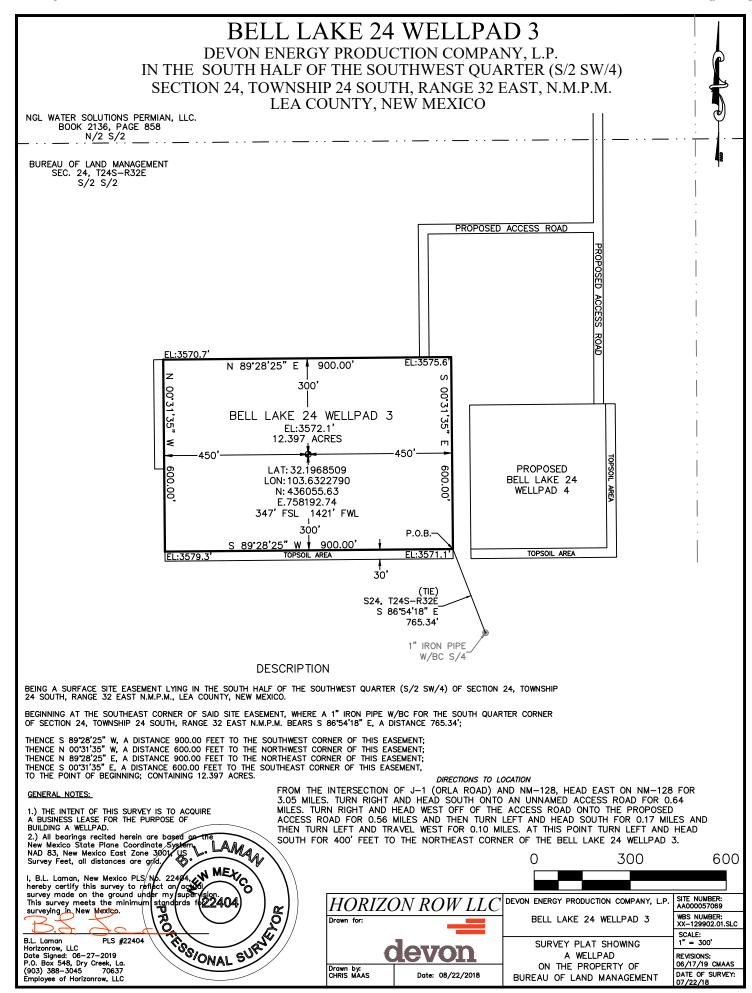
distances are grid.

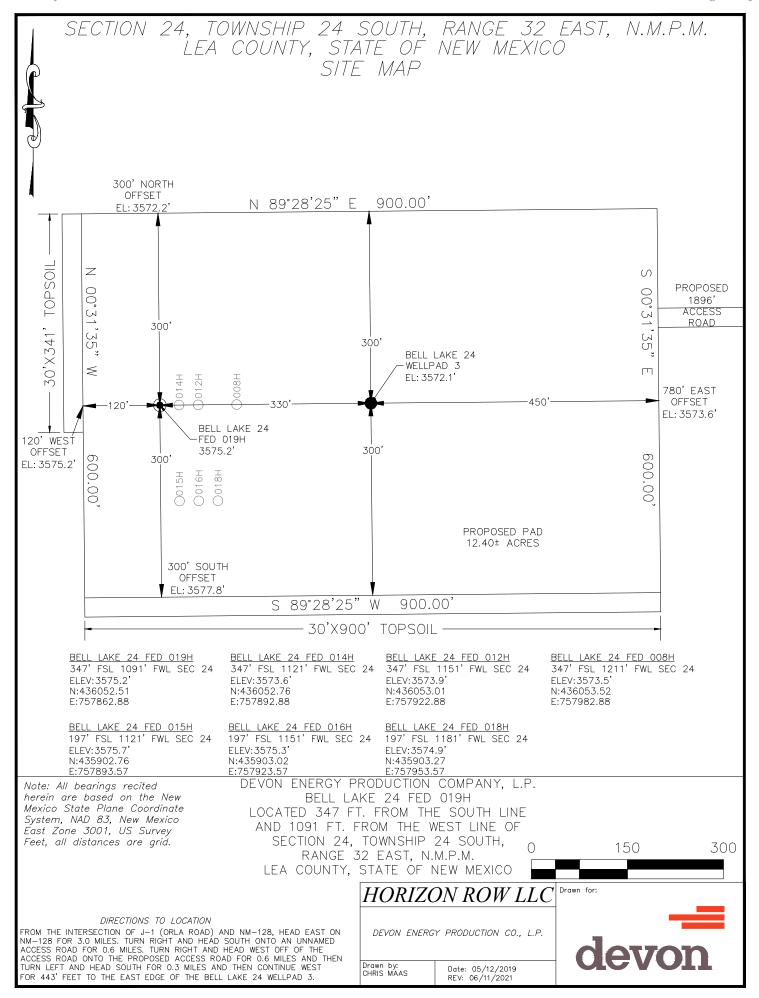
Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System,

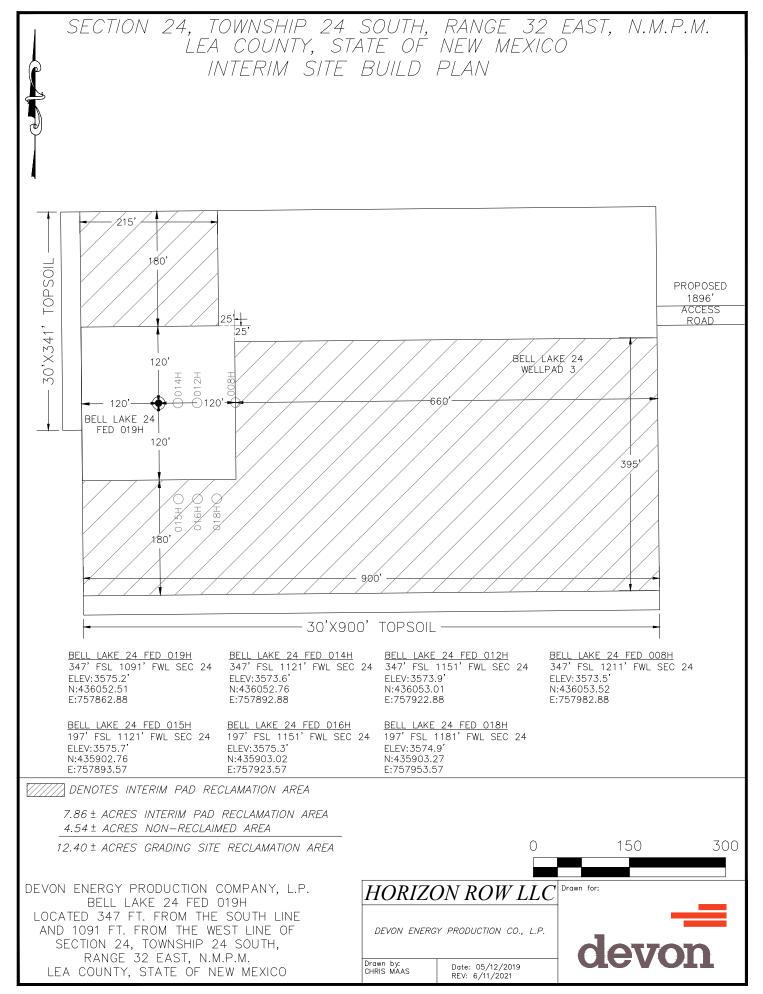
NAD 83,New Mexico East Zone 3001, US Survey Feet, all

Inten	t	As Dril	led									
API#												
Ope	rator Nai	ne:				Property N	lame:	<u> </u>				Well Number
Kick (Off Point	(KOP)										ı
UL	Section	Township	Range	Lot	Feet	Feet From N/S Feet From E/W County						
Latitu	ıde				Longitu	ıde					NAD	
First Take Point (FTP) UL Section Township Range Lot Feet From N/S Feet From E/W County												
Latitu		'			Longitu					NAD		
Last T	ake Poin	t (LTP)										
UL	Section	Township	Range	Lot	Feet	From N/S	Feet		From E/\	W Cou	nty	
Latitu	ıde				Longitu	ıde				NAD)	
							_		_			
Is this	well the	defining v	vell for th	ne Hori	zontal S _l	pacing Unit?	_					
Is this	s well an	infill well?										
	ll is yes p ng Unit.	lease provi	de API if	availal	ole, Ope	rator Name	and v	vell nı	umber fo	or Defin	ing well fo	or Horizontal
API#												
Ope	rator Nai	ne:	<u> </u>			Property N	lame	:				Well Number

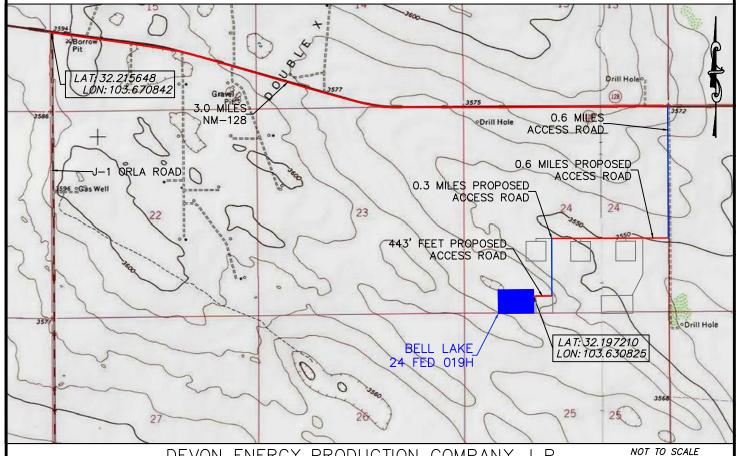
KZ 06/29/2018







SECTION 24, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M. LEA COUNTY, STATE OF NEW MEXICO VICINITY MAP



DEVON ENERGY PRODUCTION COMPANY, L.P.
BELL LAKE 24 FED 019H
LOCATED 347 FT. FROM THE SOUTH LINE
AND 1091 FT. FROM THE WEST LINE OF
SECTION 24, TOWNSHIP 24 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF J-1 (ORLA ROAD) AND NM-128, HEAD EAST ON NM-128 FOR 3.0 MILES. TURN RIGHT AND HEAD SOUTH ONTO AN UNNAMED ACCESS ROAD FOR 0.6 MILES. TURN RIGHT AND HEAD WEST OFF OF THE ACCESS ROAD ONTO THE PROPOSED ACCESS ROAD FOR 0.6 MILES AND THEN TURN LEFT AND HEAD SOUTH FOR 0.3 MILES AND THEN CONTINUE WEST FOR 443' FEET TO THE EAST EDGE OF THE BELL LAKE 24 WELLPAD 3.

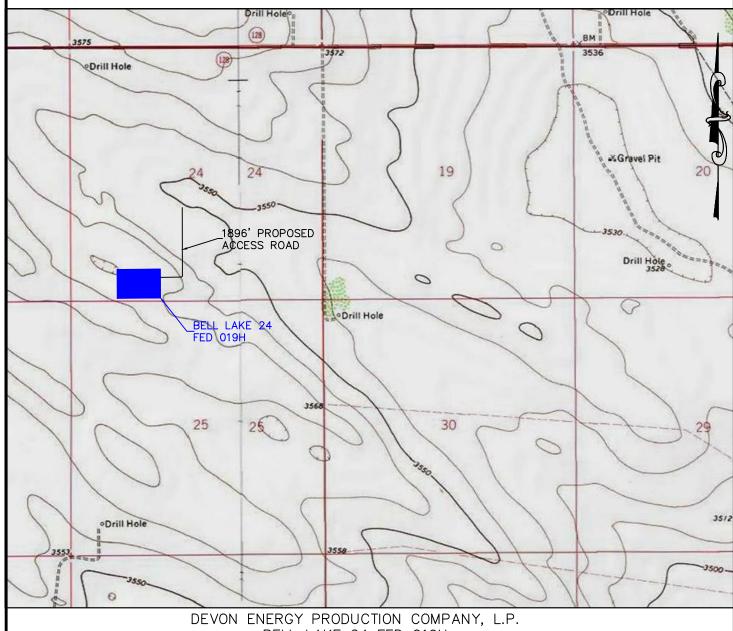
HORIZON ROW LLC

DEVON ENERGY PRODUCTION CO., L.P.

Drawn by: CHRIS MAAS Date: 05/12/19 REV: 6/11/21



SECTION 24, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M. LEA COUNTY, STATE OF NEW MEXICO LOCATION VERIFICATION MAP



PEVON ENERGY PRODUCTION COMPANY, L.F
BELL LAKE 24 FED 019H
LOCATED 347 FT. FROM THE SOUTH LINE
AND 1091 FT. FROM THE WEST LINE OF
SECTION 24, TOWNSHIP 24 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

0 2000 4000 170N ROW I I C Drawn for:

HORIZON ROW LLC

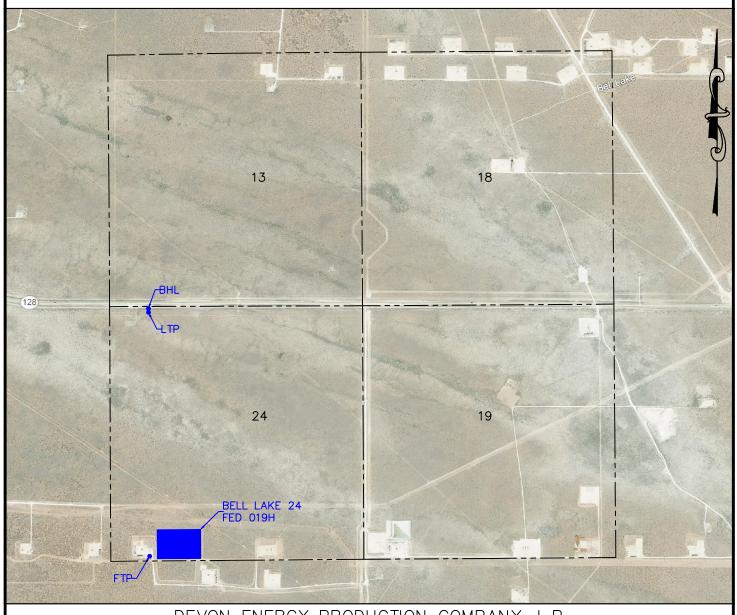
DEVON ENERGY PRODUCTION CO., L.P.

Drawn by: CHRIS MAAS

Date: 05/12/2019 REV: 06/11/2021



SECTION 24, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M. LEA COUNTY, STATE OF NEW MEXICO AERIAL PHOTO



DEVON ENERGY PRODUCTION COMPANY, L.P. BELL LAKE 24 FED 019H LOCATED 347 FT. FROM THE SOUTH LINE AND 1091 FT. FROM THE WEST LINE OF SECTION 24, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M. LEA COUNTY, STATE OF NEW MEXICO

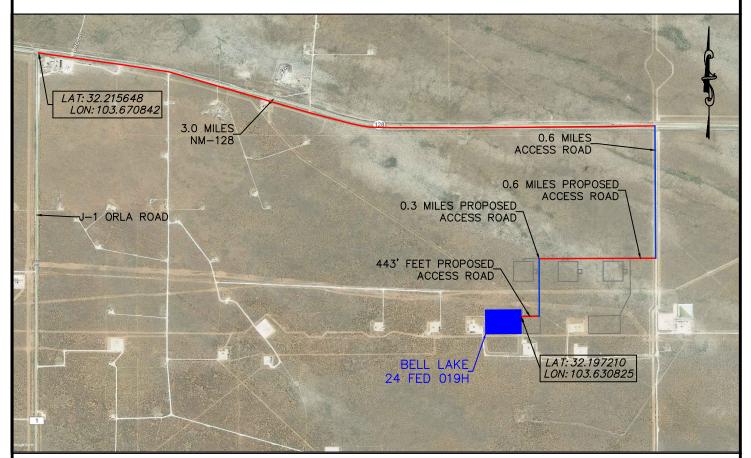
> 2000 4000 HORIZON ROW LLC

DEVON ENERGY PRODUCTION CO., L.P.

Drawn by: CHRIS MAAS

Date: 05/12/19 REV: 6/11/2021

SECTION 24, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M. LEA COUNTY, STATE OF NEW MEXICO AERIAL ACCESS ROUTE MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
BELL LAKE 24 FED 019H
LOCATED 347 FT. FROM THE SOUTH LINE
AND 1091 FT. FROM THE WEST LINE OF
SECTION 24, TOWNSHIP 24 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

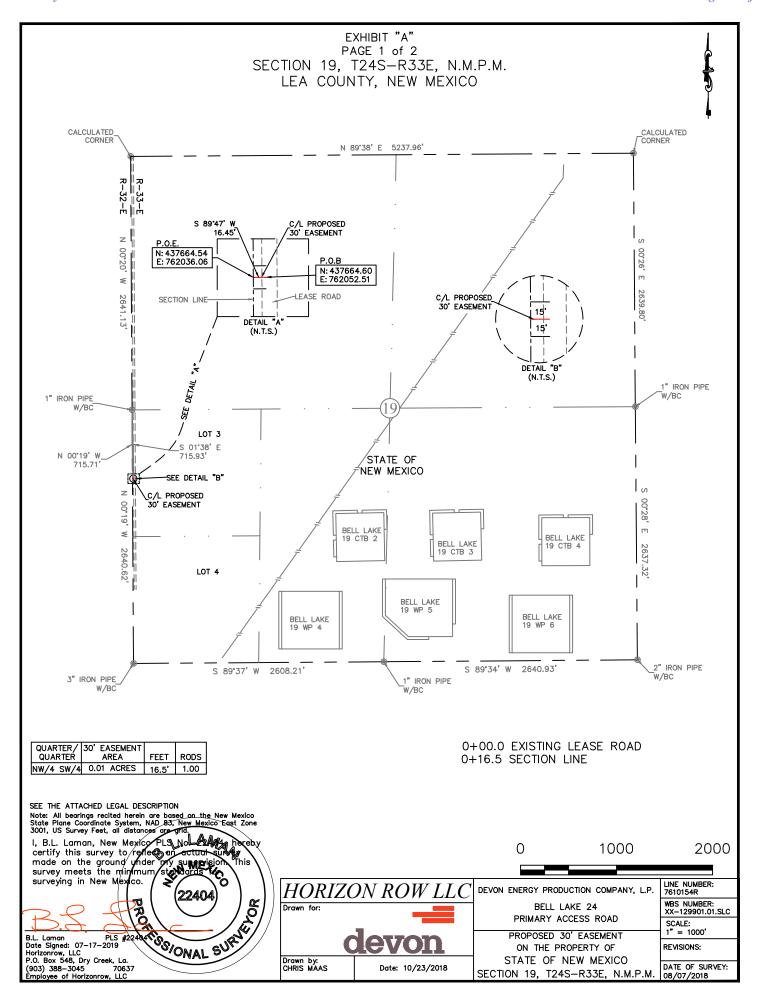
HORIZON ROW LLC

DEVON ENERGY PRODUCTION CO., L.P.

Drawn by: CHRIS MAAS

Date: 05/12/2019 REV: 6/11/2021





SECTION 19, T24S-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 Lot 3 of Section 19, Township 24 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 19, T24S-R33E, N.M.P.M., Lea County, New Mexico;

Thence S 01°38' E, a distance of 715.93' to the **Point of Beginning** of this easement having coordinates of Northing=437664.60 feet, Easting=762052.51 feet and continuing the following course;

Thence S 89°47' W, a distance of 16.45' to the **Point of Ending** of this easement in the west line of Section 19, having coordinates of Northing=437664.54 feet, Easting=762036.06 feet, from said point a 1" iron pipe w/BC found for the west quarter corner of Section 19, T24S-R33E, N.M.P.M., Lea County, New Mexico bears N 00°19' W a distance of 715.71', covering **16.45' or 1.00 rods** and having an area of **0.01 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

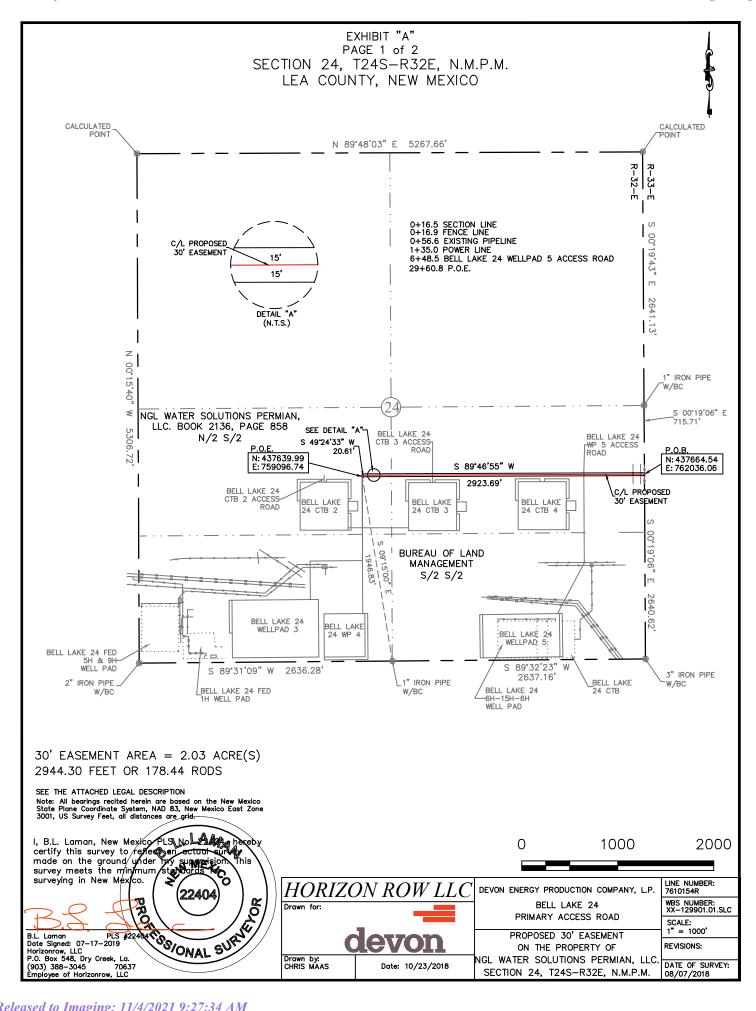
Date Signed: 07/17/2019

Horizon Row, LLC

P.O. Box 548, Dry Creek, La. (903) 388-3045 706374

Employee of Horizon Row, LLC





SECTION 24, T24S-R32E, N.M.P.M., LEA COUNTY, NEW MEXICO

LEGAL DESCRIPTION

FOR

DEVON ENERGY PRODUCTION COMPANY, L.P.

NGL WATER SOLUTIONS PERMIAN, LLC.

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 north half of the south half (N ½, S ½) of Section 24, Township 24 South, Range 32 East, N.M.P.M., Lea County, New Mexico, and being out of a parcel of land owned by NGL Water Solutions Permian, LLC., as recorded in the Lea County, New Mexico deed of records, Book 2136, Page 858. Said centerline of easement being more particularly described as follows:

Commencing from a 1" iron pipe w/BC found for the east quarter corner of Section 24, T24S-R32E, N.M.P.M., Lea County, New Mexico;

Thence S 00°19'06" E, a distance of 715.71' to the **Point of Beginning** of this easement in the east line of Section 24, having coordinates of Northing=437664.54 feet, Easting=762036.06 feet and continuing the following course;

Thence S 89°46'55" W, a distance of 2923.69' to an angle point;

Thence S 49°24'33" W, a distance of 20.61' to the **Point of Ending** having coordinates of Northing=437639.99 feet, Easting=759096.74 feet, from said point a 1" iron pipe w/BC found for the south quarter corner of Section 24, T24S-R32E, N.M.P.M., Lea County, New Mexico bears S 09°15'00" E a distance of 1946.83', covering **2944.30' or 178.44 rods** and having an area of **2.03 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

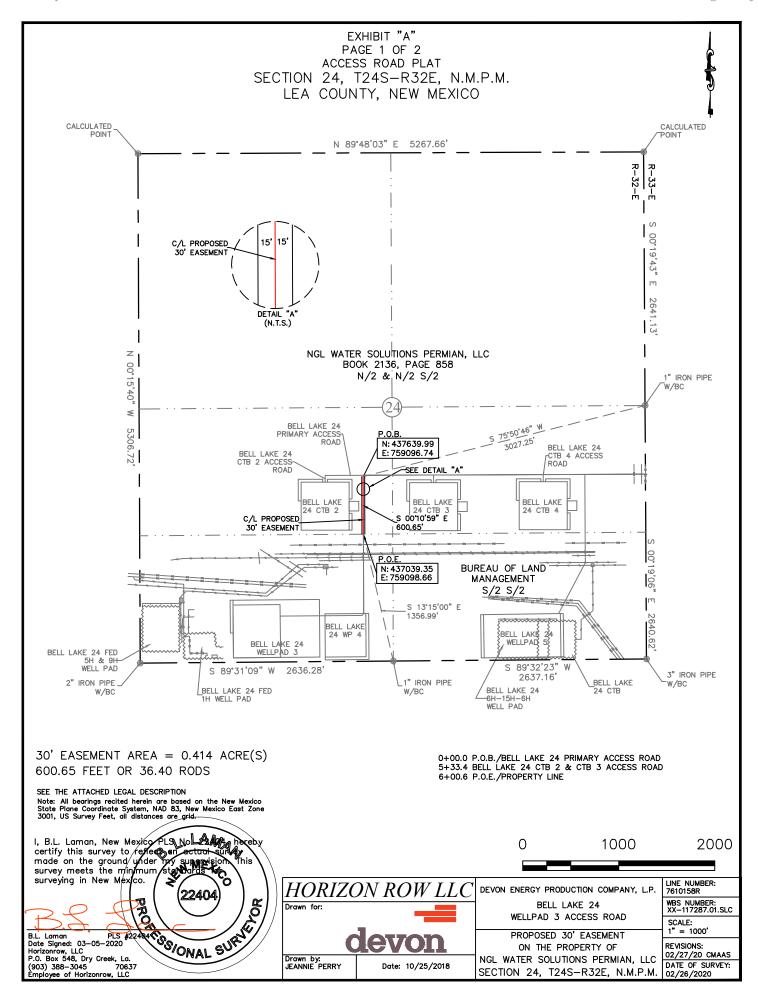
Date Signed: 07/17/2019

Horizon Row, LLC

P.O. Box 548, Dry Creek, La. (903) 388-3045 70637

Employee of Horizon Row, LLC

DROTTISSIONAL SURVIV



SECTION 24, T24S-R32E, N.M.P.M., LEA COUNTY, NEW MEXICO

LEGAL DESCRIPTION

FOR

DEVON ENERGY PRODUCTION COMPANY, L.P.

NGL WATER SOLUTIONS PERMIAN, LLC

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 north half of the south half (N ½, S ½) of Section 24, Township 24 South, Range 32 East, N.M.P.M., Lea County, New Mexico, and being out of a parcel of land owned by NGL Water Solutions Permian, LLC as recorded in the Lea County, New Mexico deed of records, Book 2136, Page 858. Said centerline of easement being more particularly described as follows:

Commencing from a 1" iron pipe w/BC found for the east quarter corner of Section 24, T24S-R32E, N.M.P.M., Lea County, New Mexico;

Thence S 75°50'46" W, a distance of 3027.25' to the **Point of Beginning** of this easement having coordinates of Northing=437639.99 feet, Easting=759096.74 feet and continuing the following course;

Thence S 00°10′59" E, a distance of 600.65' to the **Point of Ending** having coordinates of Northing=437039.35 feet, Easting=759098.66 feet, from said point a 1" iron pipe w/BC found for the south quarter corner of Section 24, T24S-R32E, N.M.P.M., Lea County, New Mexico bears S 13°15′00" E a distance of 1356.99', covering **600.65' or 36.40 rods** and having an area of **0.414 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

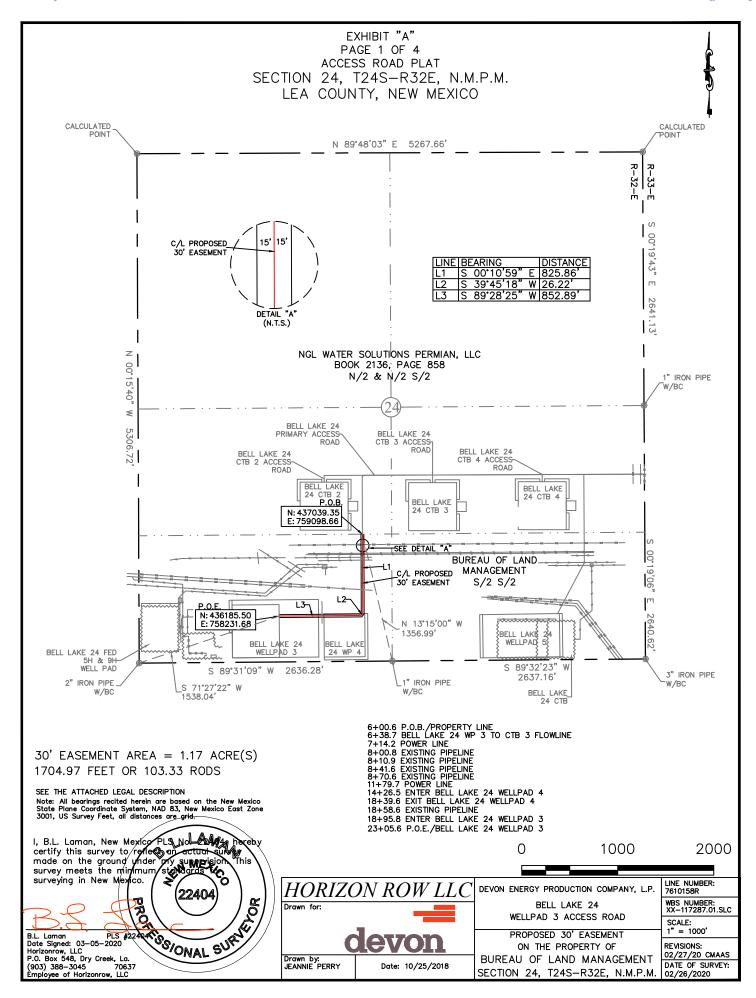
Date Signed: 03/05/2020

Horizon Row, LLC

P.O. Box 548, Dry Creek, La. (903) 388-3045 70637

Employee of Horizon Row, LLC

DROWN MEANO OF THE STORY OF THE



SECTION 24, T24S-R32E, N.M.P.M., LEA COUNTY, NEW MEXICO

LEGAL DESCRIPTION

FOR

DEVON ENERGY PRODUCTION COMPANY, L.P.

BUREAU OF LAND MANAGEMENT

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 south half of the south half (S ½, S ½) of Section 24, Township 24 South, Range 32 East, N.M.P.M., Lea County, New Mexico, and being out of a parcel of land owned by the Bureau of Land Management. Said centerline of easement being more particularly described as follows:

Commencing from a 1" iron pipe w/BC found for the south quarter corner of Section 24;

Thence N 13°15'00" W, a distance of 1356.99' to the **Point of Beginning** of this easement having coordinates of Northing=437039.35 feet, Easting=759098.66 feet and continuing the following courses;

Thence S 00°10'59" E, a distance of 825.86' to an angle point;

Thence S 39°45'18" W, a distance of 26.22' to an angle point;

Thence S 89°28'25" W, a distance of 852.89' to the **Point of Ending** having coordinates of Northing=436185.50 feet, Easting=758231.68 feet, from said point a 2" iron pipe w/BC found for the southwest corner of Section 24, T24S-R32E, N.M.P.M., Lea County, New Mexico bears S 71°27'22" W a distance of 1538.04', covering **1704.97' or 103.33 rods** and having an area of **1.17 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.

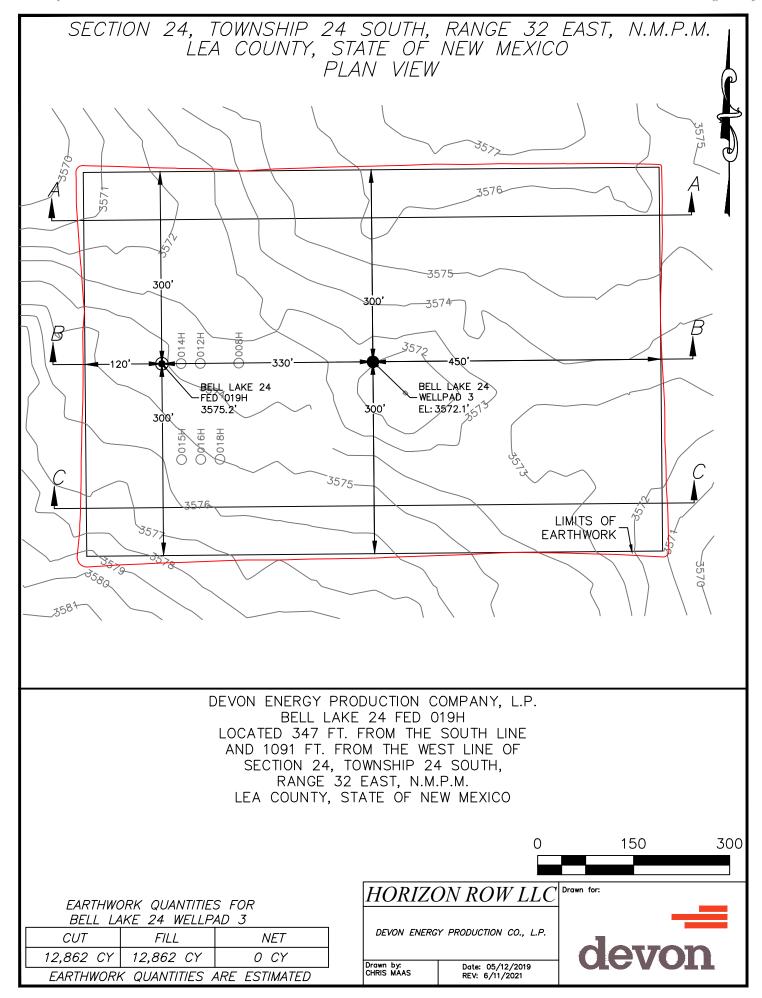
I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.

B.L. Laman PLS 224

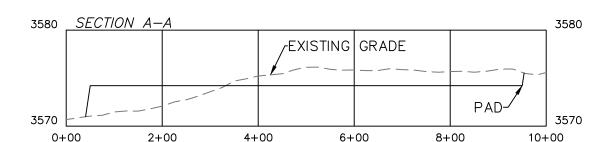
Date Signed: 03/05/2020 Horizon Row, LLC

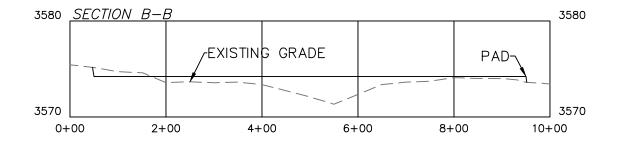
P.O. Box 548, Dry Creek, La. (903) 388-3045 70637 Employee of Horizon Row, LLC

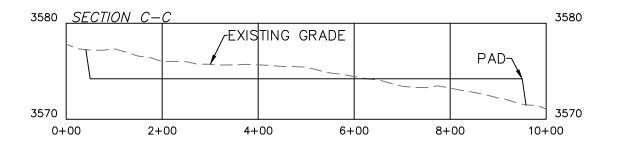




SECTION 24, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M. LEA COUNTY, STATE OF NEW MEXICO CROSS SECTIONS







DEVON ENERGY PRODUCTION COMPANY, L.P.
BELL LAKE 24 FED 019H
LOCATED 347 FT. FROM THE SOUTH LINE
AND 1091 FT. FROM THE WEST LINE OF
SECTION 24, TOWNSHIP 24 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SCALE 1" = 200' HORIZONTAL SCALE 1" = 10' VERTICAL

EARTHWORK QUANTITIES FOR BELL LAKE 24 WELLPAD 3

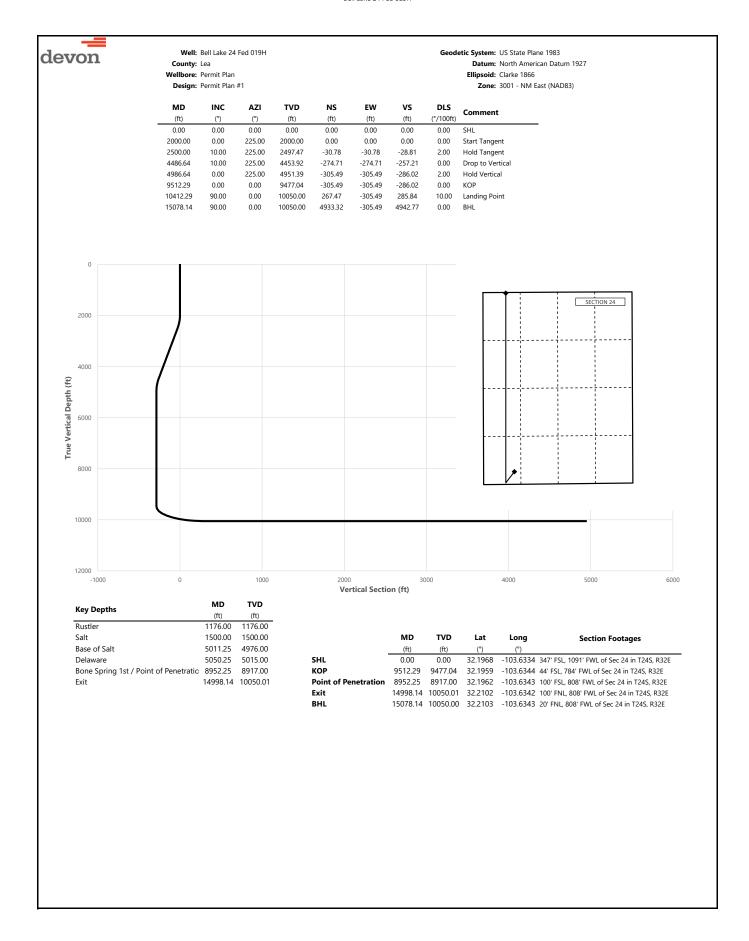
CUT	FILL	NET
12,862 CY	12,862 CY	O CY
FARTHWO	RK QUANTITIES	ARF FSTIMATED

HORIZON ROW LLC

DEVON ENERGY PRODUCTION CO., L.P.

Drawn by: Date: 05/12/2019
CHRIS MAAS REV: 6/11/2021







 Well:
 Bell Lake 24 Fed 019H
 Geodetic System:
 US State Plane 1983

 County:
 Lea
 Datum:
 North American Datument

Wellbore: Permit Plan

Design: Permit Plan #1

Datum: North American Datum 1927 Ellipsoid: Clarke 1866 Zone: 3001 - NM East (NAD83)

		Permit Plan						Zone: 3001 - NM East (NAD83)
	Design.	remitrian	1#1					Zone. 3001 - NIVI East (NADUS)
MD	INC	AZI	TVD	NS	EW	vs	DLS	Comment
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	225.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	225.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	225.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	225.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	225.00	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	225.00	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	225.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	225.00	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	225.00	900.00	0.00	0.00	0.00	0.00	
1000.00 1100.00	0.00	225.00 225.00	1000.00 1100.00	0.00	0.00	0.00	0.00	
1176.00	0.00	225.00	1176.00	0.00	0.00	0.00	0.00	Rustler
1200.00	0.00	225.00	1200.00	0.00	0.00	0.00	0.00	Kustiei
1300.00	0.00	225.00	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	225.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	225.00	1500.00	0.00	0.00	0.00	0.00	Salt,
1600.00	0.00	225.00	1600.00	0.00	0.00	0.00	0.00	Suit,
1700.00	0.00	225.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	225.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	225.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	225.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	225.00	2099.98	-1.23	-1.23	-1.16	2.00	
2200.00	4.00	225.00	2199.84	-4.93	-4.93	-4.62	2.00	
2300.00	6.00	225.00	2299.45	-11.10	-11.10	-10.39	2.00	
2400.00	8.00	225.00	2398.70	-19.71	-19.71	-18.46	2.00	
2500.00	10.00	225.00	2497.47	-30.78	-30.78	-28.81	2.00	Hold Tangent
2600.00	10.00	225.00	2595.95	-43.05	-43.05	-40.31	0.00	
2700.00	10.00	225.00	2694.43	-55.33	-55.33	-51.81	0.00	
2800.00	10.00	225.00	2792.91	-67.61	-67.61	-63.30	0.00	
2900.00	10.00	225.00	2891.39	-79.89	-79.89	-74.80	0.00	
3000.00	10.00	225.00	2989.87	-92.17	-92.17	-86.30	0.00	
3100.00	10.00	225.00	3088.35	-104.45	-104.45	-97.79	0.00	
3200.00	10.00	225.00	3186.83	-116.73	-116.73	-109.29	0.00	
3300.00	10.00	225.00	3285.31	-129.01	-129.00	-120.79	0.00	
3400.00	10.00	225.00	3383.79	-141.28	-141.28	-132.28	0.00	
3500.00	10.00	225.00	3482.27	-153.56	-153.56	-143.78	0.00	
3600.00	10.00	225.00	3580.75	-165.84	-165.84	-155.28	0.00	
3700.00	10.00	225.00	3679.23	-178.12	-178.12	-166.77	0.00	
3800.00	10.00	225.00	3777.72	-190.40 -202.68	-190.40	-178.27 -189.76	0.00	
3900.00 4000.00	10.00 10.00	225.00 225.00	3876.20 3974.68	-202.66 -214.96	-202.68	-169.76	0.00	
4100.00	10.00	225.00	4073.16	-214.96	-214.96 -227.23	-201.26	0.00	
4200.00	10.00	225.00	4171.64	-239.51	-239.51	-212.70	0.00	
4300.00	10.00	225.00	4270.12	-251.79	-251.79	-235.75	0.00	
4400.00	10.00	225.00	4368.60	-264.07	-264.07	-247.25	0.00	
4486.64	10.00	225.00	4453.92	-274.71	-274.71	-257.21	0.00	Drop to Vertical
4500.00	9.73	225.00	4467.09	-276.33	-276.33	-258.72	2.00	-p
4600.00	7.73	225.00	4565.92	-287.06	-287.06	-268.77	2.00	
4700.00	5.73	225.00	4665.23	-295.35	-295.35	-276.53	2.00	
4800.00	3.73	225.00	4764.88	-301.19	-301.19	-282.00	2.00	
4900.00	1.73	225.00	4864.76	-304.56	-304.56	-285.15	2.00	
4986.64	0.00	225.00	4951.39	-305.49	-305.49	-286.02	2.00	Hold Vertical
5000.00	0.00	0.00	4964.75	-305.49	-305.49	-286.02	0.00	
5011.25	0.00	0.00	4976.00	-305.49	-305.49	-286.02	0.00	Base of Salt
5050.25	0.00	0.00	5015.00	-305.49	-305.49	-286.02	0.00	Delaware
5100.00	0.00	0.00	5064.75	-305.49	-305.49	-286.02	0.00	
5200.00	0.00	0.00	5164.75	-305.49	-305.49	-286.02	0.00	
5300.00	0.00	0.00	5264.75	-305.49	-305.49	-286.02	0.00	
5400.00	0.00	0.00	5364.75	-305.49	-305.49	-286.02	0.00	
5500.00	0.00	0.00	5464.75	-305.49	-305.49	-286.02	0.00	
5600.00	0.00	0.00	5564.75	-305.49	-305.49	-286.02	0.00	
5700.00	0.00	0.00	5664.75	-305.49	-305.49	-286.02	0.00	
5800.00	0.00	0.00	5764.75	-305.49	-305.49	-286.02	0.00	
5900.00	0.00	0.00	5864.75	-305.49	-305.49	-286.02	0.00	
6000.00	0.00	0.00	5964.75	-305.49	-305.49	-286.02	0.00	
6100.00	0.00	0.00	6064.75	-305.49	-305.49	-286.02	0.00	
6200.00	0.00	0.00	6164.75	-305.49	-305.49	-286.02	0.00	
6300.00 6400.00	0.00	0.00	6264.75 6364.75	-305.49 -305.49	-305.49 -305.49	-286.02 -286.02	0.00	
0-00.00	0.00	0.00	0304.13	303.43	303.43	200.02	0.00	



Well: Bell Lake 24 Fed 019H

County: Lea Wellbore: Permit Plan

Design: Permit Plan #1 Geodetic System: US State Plane 1983

Datum: North American Datum 1927 Ellipsoid: Clarke 1866

	Design:	Permit Plan	n #1				Zone: 3001 - NM East (NAD83)				
MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment			
6500.00	0.00	0.00	6464.75	-305.49	-305.49	-286.02	0.00				
6600.00	0.00	0.00	6564.75	-305.49	-305.49	-286.02	0.00				
6700.00	0.00	0.00	6664.75	-305.49	-305.49	-286.02	0.00				
6800.00	0.00	0.00	6764.75	-305.49 -305.49	-305.49	-286.02	0.00				
6900.00 7000.00	0.00	0.00	6864.75 6964.75	-305.49	-305.49 -305.49	-286.02 -286.02	0.00				
7100.00	0.00	0.00	7064.75	-305.49	-305.49	-286.02	0.00				
7200.00	0.00	0.00	7164.75	-305.49	-305.49	-286.02	0.00				
7300.00	0.00	0.00	7264.75	-305.49	-305.49	-286.02	0.00				
7400.00	0.00	0.00	7364.75	-305.49	-305.49	-286.02	0.00				
7500.00	0.00	0.00	7464.75	-305.49	-305.49	-286.02	0.00				
7600.00	0.00	0.00	7564.75	-305.49	-305.49	-286.02	0.00				
7700.00	0.00	0.00	7664.75	-305.49	-305.49	-286.02	0.00				
7800.00 7900.00	0.00	0.00	7764.75 7864.75	-305.49 -305.49	-305.49 -305.49	-286.02 -286.02	0.00				
8000.00	0.00	0.00	7964.75	-305.49	-305.49	-286.02	0.00				
8100.00	0.00	0.00	8064.75	-305.49	-305.49	-286.02	0.00				
8200.00	0.00	0.00	8164.75	-305.49	-305.49	-286.02	0.00				
8300.00	0.00	0.00	8264.75	-305.49	-305.49	-286.02	0.00				
8400.00	0.00	0.00	8364.75	-305.49	-305.49	-286.02	0.00				
8500.00	0.00	0.00	8464.75	-305.49	-305.49	-286.02	0.00				
8600.00	0.00	0.00	8564.75	-305.49	-305.49	-286.02	0.00				
8700.00	0.00	0.00	8664.75	-305.49	-305.49	-286.02	0.00				
8800.00 8900.00	0.00	0.00	8764.75 8864.75	-305.49 -305.49	-305.49 -305.49	-286.02 -286.02	0.00				
8952.25	0.00	0.00	8917.00	-305.49	-305.49	-286.02	0.00	Bone Spring 1st / Point of Penetration			
9000.00	0.00	0.00	8964.75	-305.49	-305.49	-286.02	0.00	bone spring 1st/ Form of Feneration			
9100.00	0.00	0.00	9064.75	-305.49	-305.49	-286.02	0.00				
9200.00	0.00	0.00	9164.75	-305.49	-305.49	-286.02	0.00				
9300.00	0.00	0.00	9264.75	-305.49	-305.49	-286.02	0.00				
9400.00	0.00	0.00	9364.75	-305.49	-305.49	-286.02	0.00				
9500.00	0.00	0.00	9464.75	-305.49	-305.49	-286.02	0.00	von			
9512.29 9600.00	0.00 8.77	0.00	9477.04 9564.41	-305.49 -298.79	-305.49 -305.49	-286.02 -279.33	0.00 10.00	KOP			
9700.00	18.77	0.00	9661.41	-275.01	-305.49	-279.55	10.00				
9800.00	28.77	0.00	9752.81	-234.76	-305.49	-215.43	10.00				
9900.00	38.77	0.00	9835.83	-179.24	-305.49	-160.02	10.00				
10000.00	48.77	0.00	9907.95	-110.15	-305.49	-91.06	10.00				
10100.00	58.77	0.00	9966.98	-29.59	-305.49	-10.65	10.00				
10200.00	68.77	0.00	10011.12	60.00	-305.49	78.77	10.00				
10300.00	78.77	0.00	10039.03	155.90	-305.49	174.48	10.00				
10400.00 10412.29	88.77 90.00	0.00	10049.87 10050.00	255.18 267.47	-305.49 -305.49	273.57 285.84	10.00 10.00	Landing Point			
10500.00	90.00	0.00	10050.00	355.18	-305.49	373.38	0.00	Landing Point			
10600.00	90.00	0.00	10050.00	455.18	-305.49	473.19	0.00				
10700.00	90.00	0.00	10050.00	555.18	-305.49	573.00	0.00				
10800.00	90.00	0.00	10050.00	655.18	-305.49	672.81	0.00				
10900.00	90.00	0.00	10050.00	755.18	-305.49	772.62	0.00				
11000.00	90.00	0.00	10050.00	855.18	-305.49	872.43	0.00				
11100.00	90.00	0.00	10050.00	955.18	-305.49	972.23	0.00				
11200.00 11300.00	90.00 90.00	0.00	10050.00 10050.00	1055.18 1155.18	-305.49 -305.49	1072.04 1171.85	0.00				
11400.00	90.00	0.00	10050.00	1255.18	-305.49 -305.49	1271.66	0.00				
11500.00	90.00	0.00	10050.00	1355.18	-305.49	1371.47	0.00				
11600.00	90.00	0.00	10050.00	1455.18	-305.49	1471.28	0.00				
11700.00	90.00	0.00	10050.00	1555.18	-305.49	1571.09	0.00				
11800.00	90.00	0.00	10050.00	1655.18	-305.49	1670.90	0.00				
11900.00	90.00	0.00	10050.00	1755.18	-305.49	1770.71	0.00				
12000.00	90.00	0.00	10050.00	1855.18	-305.49	1870.51	0.00				
12100.00 12200.00	90.00 90.00	0.00	10050.00 10050.00	1955.18 2055.18	-305.49 -305.49	1970.32 2070.13	0.00				
12300.00	90.00	0.00	10050.00	2155.18	-305.49 -305.49	2169.94	0.00				
12400.00	90.00	0.00	10050.00	2255.18	-305.49	2269.75	0.00				
12500.00	90.00	0.00	10050.00	2355.18	-305.49	2369.56	0.00				
12600.00	90.00	0.00	10050.00	2455.18	-305.49	2469.37	0.00				
12700.00	90.00	0.00	10050.00	2555.18	-305.49	2569.18	0.00				
12800.00	90.00	0.00	10050.00	2655.18	-305.49	2668.98	0.00				
12900.00	90.00	0.00	10050.00	2755.18	-305.49	2768.79	0.00				
13000.00 13100.00	90.00 90.00	0.00	10050.00 10050.00	2855.18 2955.18	-305.49 -305.49	2868.60 2968.41	0.00				



Well: Bell Lake 24 Fed 019H

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	INC	AZI	TVD	NS	EW	vs	DLS	Comment
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
13200.00	90.00	0.00	10050.00	3055.18	-305.49	3068.22	0.00	_
13300.00	90.00	0.00	10050.00	3155.18	-305.49	3168.03	0.00	
13400.00	90.00	0.00	10050.00	3255.18	-305.49	3267.84	0.00	
13500.00	90.00	0.00	10050.00	3355.18	-305.49	3367.65	0.00	
13600.00	90.00	0.00	10050.00	3455.18	-305.49	3467.46	0.00	
13700.00	90.00	0.00	10050.00	3555.18	-305.49	3567.26	0.00	
13800.00	90.00	0.00	10050.00	3655.18	-305.49	3667.07	0.00	
13900.00	90.00	0.00	10050.00	3755.18	-305.49	3766.88	0.00	
14000.00	90.00	0.00	10050.00	3855.18	-305.49	3866.69	0.00	
14100.00	90.00	0.00	10050.00	3955.18	-305.49	3966.50	0.00	
14200.00	90.00	0.00	10050.01	4055.18	-305.49	4066.31	0.00	
14300.00	90.00	0.00	10050.01	4155.18	-305.49	4166.12	0.00	
14400.00	90.00	0.00	10050.01	4255.18	-305.49	4265.93	0.00	
14500.00	90.00	0.00	10050.01	4355.18	-305.49	4365.73	0.00	
14600.00	90.00	0.00	10050.01	4455.18	-305.49	4465.54	0.00	
14700.00	90.00	0.00	10050.01	4555.18	-305.49	4565.35	0.00	
14800.00	90.00	0.00	10050.01	4655.18	-305.49	4665.16	0.00	
14900.00	90.00	0.00	10050.01	4755.18	-305.49	4764.97	0.00	
14998.14	90.00	0.00	10050.01	4853.32	-305.49	4862.92	0.00	Exit
15000.00	90.00	0.00	10050.01	4855.18	-305.49	4864.78	0.00	
15078.14	90.00	0.00	10050.00	4933.32	-305.49	4942.77	0.00	BHL

Devon - General

devon

Well: Bell Lake 24 Fed 019H

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)

INC TVD EW MD AZI NS ٧S DLS Comment (ft) (°) (°) (ft) (ft) (ft) (ft) (°/100ft)

(ft)

(°)

(°)

(ft)

Well: Bell Lake 24 Fed 019H Geodetic System: US State Plane 1983 County: Lea Datum: North American Datum 1927 Wellbore: Permit Plan Ellipsoid: Clarke 1866 Design: Permit Plan #1 **Zone:** 3001 - NM East (NAD83)

(ft)

Devon - General

(°/100ft)

INC AZI TVD EW MD NS ٧S DLS Comment (ft)

(ft)

6 of 6

Bell Lake 24 Fed 019H

1. Geologic Formations

TVD of target	10050	Pilot hole depth	N/A
MD at TD:	15078	Deepest expected fresh water	

Basin

Depth (TVD)	Water/Mineral Bearing/Target	Hazards*
	Zone?	
4976		
5015		
8917		
	(TVD) from KB 1176 1500 4976 5015	(TVD) Bearing/Target from KB Zone? 1176 1500 4976 5015

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

2. Casing Program

		Wt			Casing	Interval	Casing Interval		
Hole Size	e Size Csg. Size (PPI		Grade	Conn	From (MD)	To (MD)	From (TVD)	To (TVD)	
17 1/2	13 3/8	48	H40	ВТС	0	1201	0	1201	
12 1/4	9 5/8	40	J-55	ВТС	0	5076	0	5076	
8 3/4	5 1/2	17	P110	ВТС	0	15078	0	10050	

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

3. Cementing Program (3-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	908	Surf	13.2	1.4	Lead: Class C Cement + additives
T., 1	559	Surf	9.0	3.3	Lead: Class C Cement + additives
Int 1	154	500' above shoe	13.2	1.4	Tail: Class H / C + additives
Int 1	As Needed	Surf	9.0	3.3	Squeeze Lead: Class C Cement + additives
Int 1 Intermediate Squeeze	559	Surf	9.0	3.3	Lead: Class C Cement + additives
	154	500' above shoe	13.2	1.4	Tail: Class H / C + additives
Production	421	500' tieback	9.0	3.3	Lead: Class H /C + additives
Froduction	1074	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%

4. Pressure Control Equipment (Three String Design)

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	T	ype	✓	Tested to:																																												
			Anı	nular	X	50% of rated working pressure																																												
Int 1	13-58"	5M	Blind	l Ram	X																																													
IIIt I	13-36	SIVI	Pipe	Pipe Ram		5M																																												
			Doub	le Ram	X	3101																																												
			Other*																																															
	13-5/8"	5M	Anı	nular	X	50% of rated working pressure																																												
Production			Blind	d Ram	X																																													
Troduction			JIVI	3101	3111	3111	JIVI	3171	3141	3111	3101	3101	3111	JIVI	3111	3141	3141	3111	3141	3141	3141	3141	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3101	3111	3111	3111	3111]	3111		Ram		5M
																							Doub	le Ram	X	3101																								
			Other*																																															
			Annul	ar (5M)																																														
			Blind	l Ram																																														
				Ram]																																												
				le Ram]																																												
			Other*																																															

5. Mud Program (Three String Design)

Section	Туре	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, C	Logging, Coring and Testing					
	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the					
X	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	4703	
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.

L	encountered	ountered measured values and formations will be provided to the BLM.		
	N	H2S is present		
ſ	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

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

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

CONDITIONS

Action 57904

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	57904
l l	Action Type:
l l	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	11/4/2021