Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

NM OIL CONS OCD
FEB 03 2020
RECEIVED

5. Lease Serial No.	NMNM116574
6. If Indian, Allotee or Tribe Name	
7. If Unit or CA Agreement, Name and No.	
8. Lease Name and Well No.	BELL LAKE 24 FED 15H (39911)
9. API Well No.	30-025-
10. Field and Pool, or Exploratory	WC-025 G-09 S263416B / UPPER WOLF 98309
11. Sec., T. R. M. or Blk. and Survey or Area	SEC 24 / T24S / R32E / NMP
12. County or Parish	LEA
13. State	NM

1a. Type of work: ☑ DRILL ☐ REENTER
1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other
1c. Type of Completion: ☐ Hydraulic Fracturing ☑ Single Zone ☐ Multiple Zone

2. Name of Operator: DEVON ENERGY PRODUCTION COMPANY LP (6137)

3a. Address: 333 West Sheridan Avenue Oklahoma City OK 73102
3b. Phone No. *(include area code)*: (800)583-3866

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface: SWSW / 197 FSL / 1121 FWL / LAT 32.196436 / LONG -103.633249
At proposed prod. zone: NWNW / 20 FNL / 330 FWL / LAT 32.210418 / LONG -103.635775

14. Distance in miles and direction from nearest town or post office*

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	197 feet	16. No of acres in lease: 680	17. Spacing Unit dedicated to this well: 160
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	461 feet	19. Proposed Depth: 12350 feet / 17191 feet	20. BLM/BIA Bond No. in file: FED: NMB000801
21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3578 feet		22. Approximate date work will start*: 10/01/2020	23. Estimated duration: 45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature: (Electronic Submission)	Name *(Printed/Typed)*: Rebecca Deal / Ph: (405)228-8429	Date: 07/29/2019
Title: Regulatory Compliance Professional		
Approved by *(Signature)*: (Electronic Submission)	Name *(Printed/Typed)*: Cody Layton / Ph: (575)234-5959	Date: 01/29/2020
Title: Assistant Field Manager Lands & Minerals	Office: CARLSBAD	

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

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.

GCP Rec 02/03/2020

APPROVED WITH CONDITIONS

KZ 02/03/2020

SL

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 01/29/2020

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Devon Energy Production Company LP**
LEASE NO.:	**NMNM116574**
WELL NAME & NO.:	BELL LAKE 24 FED / 15H
SURFACE HOLE FOOTAGE:	197'/S & 1121'/W
BOTTOM HOLE FOOTAGE	20'/N & 330'/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	◉ Flex Hose	○ Other
Wellhead	○ Conventional	○ Multibowl	◉ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☑ Fluid Filled	☑ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☐ COM	☐ Unit

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware Mountain Group**. 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

Primary Casing Design:

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 **7-5/8** inch intermediate casing is:

Option 1 (Single Stage):

- 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.**

Option 2:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.

b. Second stage above DV tool:

- Cement to surface. If cement does not circulate, contact the appropriate BLM office.
  Cement excess is less than 25%, more cement might be required.

Operator has proposed to pump down 13-3/8" X 7-5/8" annulus. Operator must run a CBL from TD of the 7-5/8" 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.

Alternate Casing Design:

4. 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.

    e. 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.
    f. 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)
    g. 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.
    h. 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.

5. The minimum required fill of cement behind the **8-5/8** inch intermediate casing is:

    Option 1 (Single Stage):

    - 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.**

    Option 2:

    Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

    c. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.

    d. Second stage above DV tool:

    - Cement to surface. If cement does not circulate, contact the appropriate BLM office.
      Cement excess is less than 25%, more cement might be required.

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

Operator is approved to drill 10.625" hole instead of 9.875" for intermediate 1 with a BTC connection.

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

6. 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.

Option 1:

a. 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.

b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

1. 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 County
Call 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.

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

Operator Certification Data Report

01/30/2020

Operator Certification

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: Rebecca Deal **Signed on:** 07/29/2019

Title: Regulatory Compliance Professional

Street Address: 333 West Sheridan Avenue

City: Oklahoma City **State:** OK **Zip:** 73102

Phone: (405)228-8429

Email address: Rebecca.Deal@dvn.com

Field Representative

Representative Name:

Street Address: 333 W SHERIDAN AVE

City: OKC **State:** OK **Zip:** 73102

Phone: (405)552-6556

Email address: blake.richardson@dvn.com

AFMSS

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

Application Data Report

01/30/2020

APD ID: 10400043455 **Submission Date:** 07/29/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Well Type: OIL WELL **Well Work Type:** Drill

[redacted]

Show Final Text

Section 1 - General

APD ID: 10400043455 **Tie to previous NOS?** N **Submission Date:** 07/29/2019

BLM Office: CARLSBAD **User:** Rebecca Deal **Title:** Regulatory Compliance Professional

Federal/Indian APD: FED **Is the first lease penetrated for production Federal or Indian?** FED

Lease number: NMNM116574 **Lease Acres:** 680

Surface access agreement in place? **Allotted?** **Reservation:**

Agreement in place? NO **Federal or Indian agreement:**

Agreement number:

Agreement name:

Keep application confidential? YES

Permitting Agent? NO **APD Operator:** DEVON ENERGY PRODUCTION COMPANY LP

Operator letter of designation:

Operator Info

Operator Organization Name: DEVON ENERGY PRODUCTION COMPANY LP

Operator Address: 333 West Sheridan Avenue **Zip:** 73102

Operator PO Box:

Operator City: Oklahoma City **State:** OK

Operator Phone: (800)583-3866

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO **Master Development Plan name:**

Well in Master SUPO? NO **Master SUPO name:**

Well in Master Drilling Plan? NO **Master Drilling Plan name:**

Well Name: BELL LAKE 24 FED **Well Number:** 15H **Well API Number:**

Field/Pool or Exploratory? Field and Pool **Field Name:** WC-025 G-09 S263416B **Pool Name:** UPPER WOLFCAMP

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** NO **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** BELL LAKE 24 WELLPAD **Number:** 3

Well Class: HORIZONTAL **Number of Legs:** 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: **Distance to nearest well:** 461 FT **Distance to lease line:** 197 FT

Reservoir well spacing assigned acres Measurement: 160 Acres

Well plat: BELL_LAKE_24_FED_015H_C_102_20190709094505.pdf

Well work start Date: 10/01/2020 **Duration:** 45 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: **Reference Datum:**

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
SHL Leg #1	197	FSL	1121	FWL	24S	32E	24	Aliquot SWSW	32.196436	-103.633249	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 116574	3578	0	0	
KOP Leg #1	227	FSL	330	FWL	24S	32E	24	Aliquot SWSW	32.196533	-103.635806	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 116574	-8199	11813	11777	
PPP Leg #1-1	227	FSL	330	FWL	24S	32E	24	Aliquot SWSW	32.196165	-103.635807	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 116574	-8199	11813	11777	

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
EXIT Leg #1	100	FNL	330	FWL	24S	32E	24	Aliquot NWNW	32.210198	-103.635775	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 116574	-8772	17111	12350	
BHL Leg #1	20	FNL	330	FWL	24S	32E	24	Aliquot NWNW	32.210418	-103.635775	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 116574	-8772	17191	12350	

APD ID: 10400043455 **Submission Date:** 07/29/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Well Type: OIL WELL **Well Work Type:** Drill

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
494078	—	3578	0	0	OTHER : Surface	NONE	N
494079	RUSTLER	2402	1176	1176	ANHYDRITE	NONE	N
494080	TOP SALT	2078	1500	1500	SALT	NONE	N
494088	BASE OF SALT	-1398	4976	4976	SANDSTONE	NATURAL GAS, OIL	N
494082	BELL CANYON	-1437	5015	5015	SANDSTONE	NATURAL GAS, OIL	N
494083	CHERRY CANYON	-2367	5945	5945	SANDSTONE	NATURAL GAS, OIL	N
494075	BRUSHY CANYON	-3883	7461	7461	SANDSTONE	NATURAL GAS, OIL	N
494076	BONE SPRING LIME	-5339	8917	8917	LIMESTONE	NONE	N
494077	BONE SPRING 1ST	-6446	10024	10024	SANDSTONE	NATURAL GAS, OIL	N
494086	BONE SPRING 2ND	-7011	10589	10589	SANDSTONE	NATURAL GAS, OIL	N
494084	BONE SPRING 3RD	-8307	11885	11885	SANDSTONE	NATURAL GAS, OIL	N
494087	WOLFCAMP	-8621	12199	12199	SANDSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M **Rating Depth:** 12350

Equipment: BOP/BOPE will be installed per Onshore Oil &Gas Order #2 requirements prior to drilling below intermediate casing, a BOP/BOPE system with the above minimum rating will be installed on the wellhead system. BOP/BOPE will be tested by an independent service company per Onshore Oil & Gas Order #2 requirements and MASP (Maximum Anticipated Surface Pressure) calculations. If the system is upgraded, all the components installed will be functional and tested.

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP stack to the choke manifold. See attached for specs for hydrostatic test chart. Devon requests a variance to run a 5M annular on a 10M BOP system. See

separately attached variance request and support documents in AFMSS.

Testing Procedure: A multibowl wellhead may be used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. 5M annular on 10M system will be tested to 100% of rated working pressure.
Choke Diagram Attachment:

10M_BOPE_CHK_DR_CLS_RKL_20190124094056.pdf

BOP Diagram Attachment:

10M_BOPE_CHK_DR_CLS_RKL_20190124094339.pdf

Pressure Rating (PSI): 5M **Rating Depth:** 10790

Equipment: BOP/BOPE will be installed per Onshore Oil & Gas Order #2 requirements prior to drilling below surface casing, a BOP/BOPE system with the above minimum rating will be installed on the wellhead system. BOP/BOPE will be tested by an independent service company per Onshore Oil & Gas Order #2 requirements and MASP (Maximum Anticipated Surface Pressure) calculations. If the system is upgraded, all the components installed will be functional and tested.
Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP stack to the choke manifold. See attached for specs for hydrostatic test chart.
Testing Procedure: A multibowl wellhead may be used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.
Choke Diagram Attachment:

5M_BOPE__CK_20190124094439.pdf

BOP Diagram Attachment:

5M_BOPE__CK_20190124094446.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1201	0	1201			1201	H-40	48	ST&C	1.125	1	BUOY	1.6	BUOY	1.6
2	INTERMEDIATE	9.875	7.625	NEW	API	N	0	10790	0	10790			10790	P-110	29.7	OTHER - FLUSHMAX III	1.125	1	BUOY	1.6	BUOY	1.6
3	PRODUCTION	6.75	5.5	NEW	API	N	0	17191	0	12350			17191	P-110	20	OTHER - VAM SG	1.125	1	BUOY	1.6	BUOY	1.6

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Casing Attachments

Casing ID: 1 **String Type:** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Surf_Csg_Ass_20190729142308.pdf

Casing ID: 2 **String Type:** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Int_Csg_Ass_20190124094716.pdf

Casing ID: 3 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Prod_Csg_Ass_20190729142506.pdf

Section 4 - Cement

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead					1.44					
INTERMEDIATE	Lead					3.27					
INTERMEDIATE	Tail										
PRODUCTION	Lead					3.27					
PRODUCTION	Tail										

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1201	WATER-BASED MUD	8.5	9				2			

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1201	10790	SALT SATURATED	10	10.5				2			
10790	17191	OIL-BASED MUD	10	10.5				12			

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Will run GRMWD from TD to from KOP. Cement bond logs will be run in vertical to determine top of cement. Stated logs run will be in the Completion Report and submitted to the BLM.

List of open and cased hole logs run in the well:

CALIPER,CBL,DS,GR,MUDLOG

Coring operation description for the well:

N/A

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 6743 **Anticipated Surface Pressure:** 4026

Anticipated Bottom Hole Temperature(F): 173

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

Bell_Lake_24_Fed_015H_20190729143021.pdf

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Bell_Lake_24_Fed_15H_Dir_Svy_20190729143105.pdf

Devon_Bell_Lake_24_Fed_15H_Plot_Permit_Plan_1_20190729143116.pdf

Other proposed operations facets description:

DIRECTIONAL SURVEY
PLOT
DRILLING PLAN
MULTI-BOWL VERBIAGE
MULTI-BOWL WELLHEADS
10M ANNULAR VARIANCE DOC & SCHEMATIC
CLOSED LOOP DESIGN PLAN
CO-FLEX HOSE
SPUDDER RIG REQUEST
GCP FORM
SPEC SHEETS

Other proposed operations facets attachment:

Spudder_Rig_Info_20190124102728.pdf

Clsd_Loop_20190124102727.pdf

Bell_Lake_24_Fed_15H_Drlg_Plan_20190729143212.pdf

5.5_20_P110_EC_VAMSG_20190729143247.pdf

7.625_29.70_P110_Flushmax_20190729143247.pdf

13.375_48__H40_20190729143248.pdf

5.5_17__P_110_BTC_20190729143309.pdf

8.625_32.00_P110HSCY_TLW_20190729143311.PDF

MB_Verb_10M_20190729143353.pdf

MB_Wellhd_10M_13.375_8.625_20190729143353.PDF

MB_Wellhd_10M_13.375_7.625_5.5__20190729143440.pdf

Bell_Lake_WP3_GCP_Form_20190729143824.pdf

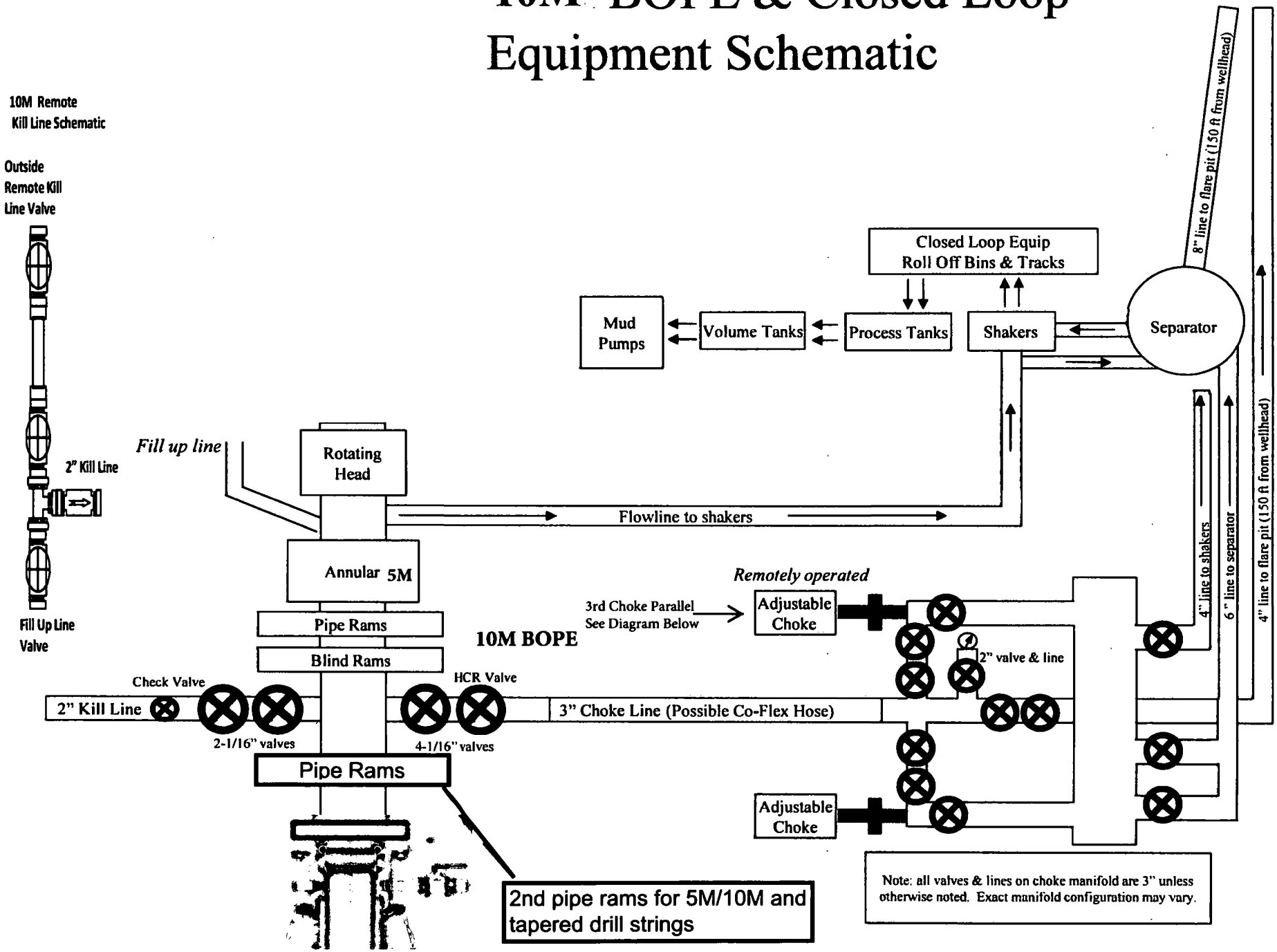
Other Variance attachment:

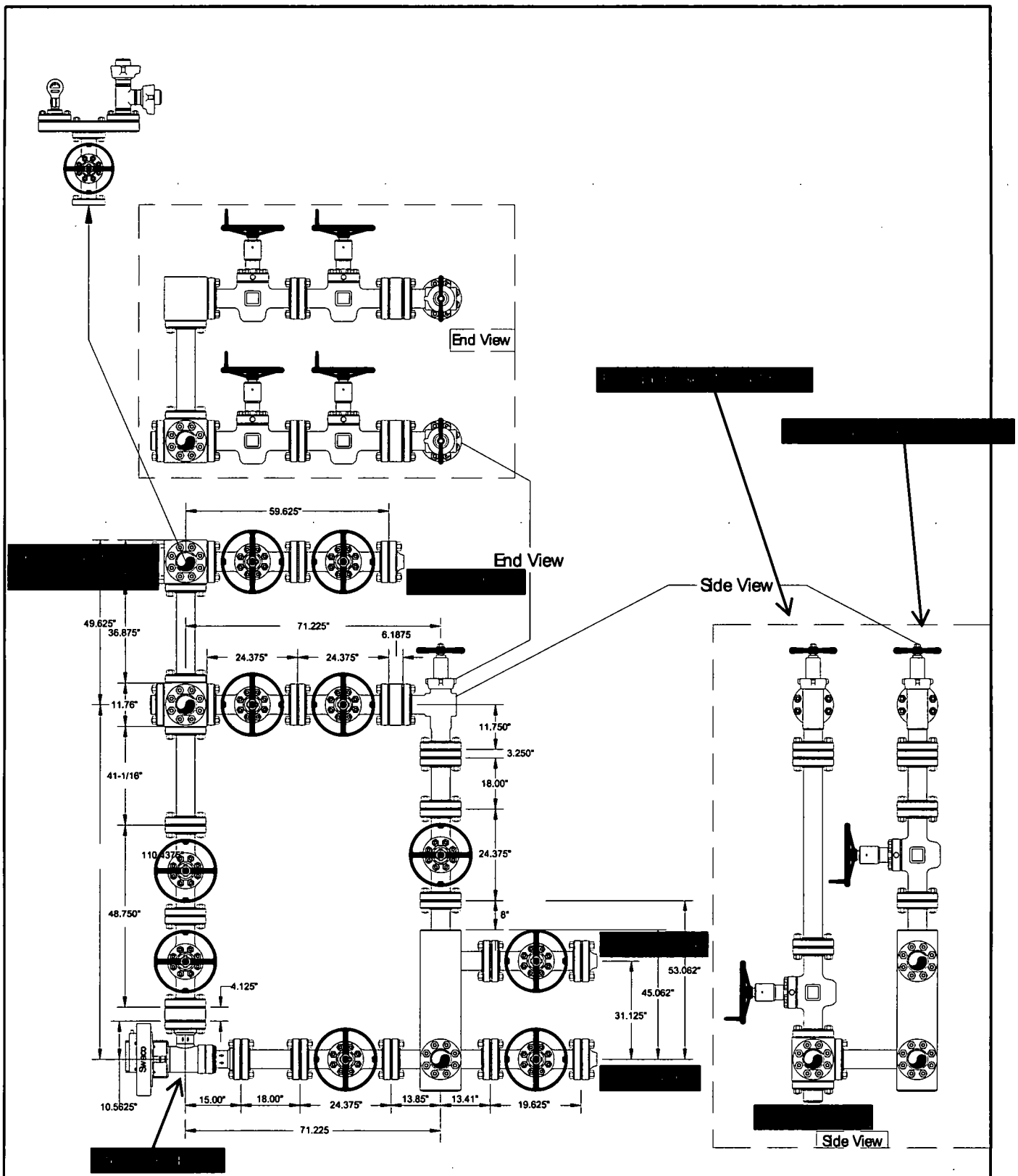
10M_BOPE_CHK_DR_CLS_RKL_20190124102805.pdf

Annular_Variance___Preventer_Summary_20190124102747.pdf

Co_flex_20190124102748.pdf

10M BOPE & Closed Loop Equipment Schematic





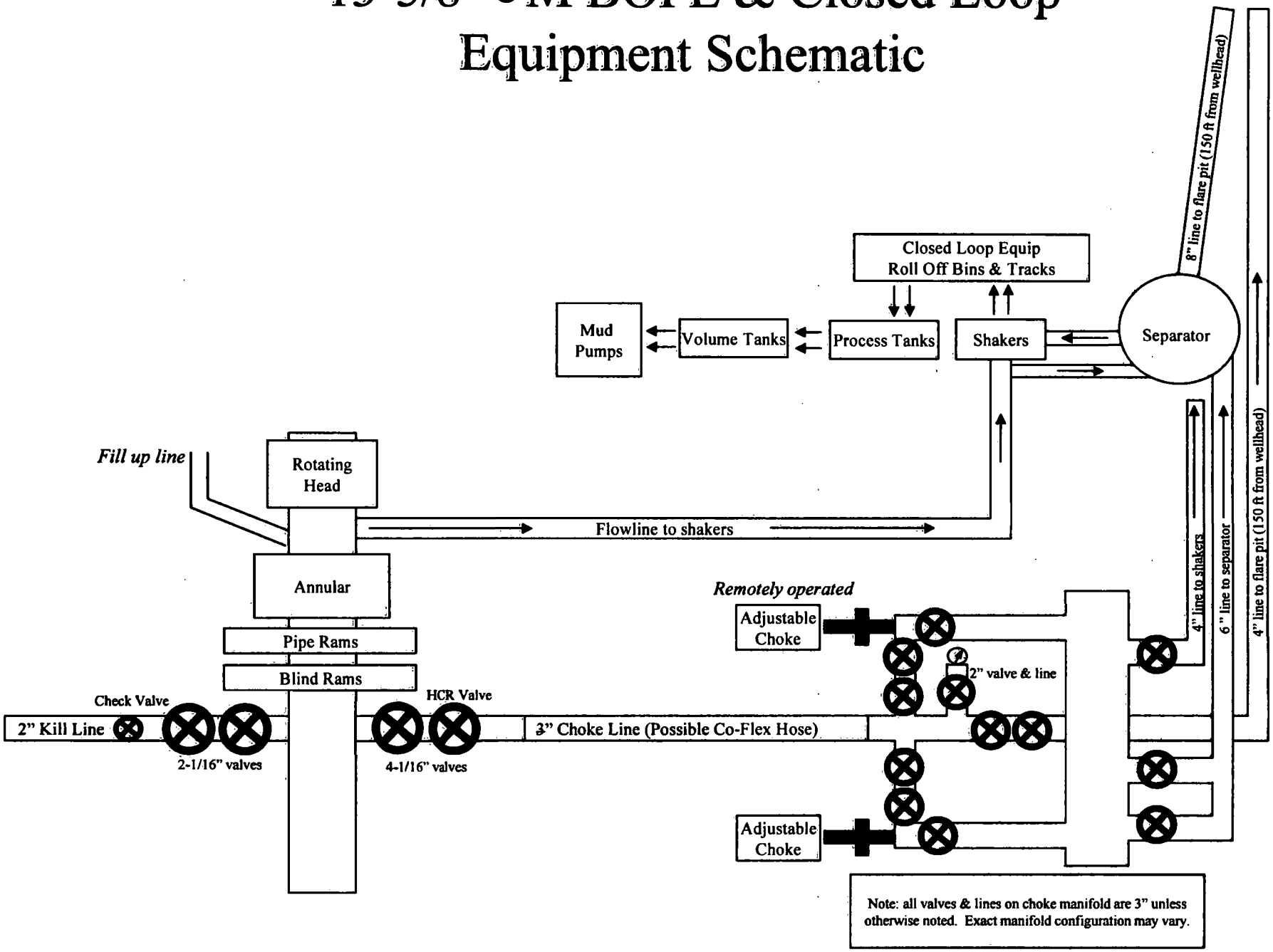
Helmerich & Payne

Flex 3 Rig w/ 3 Chokes

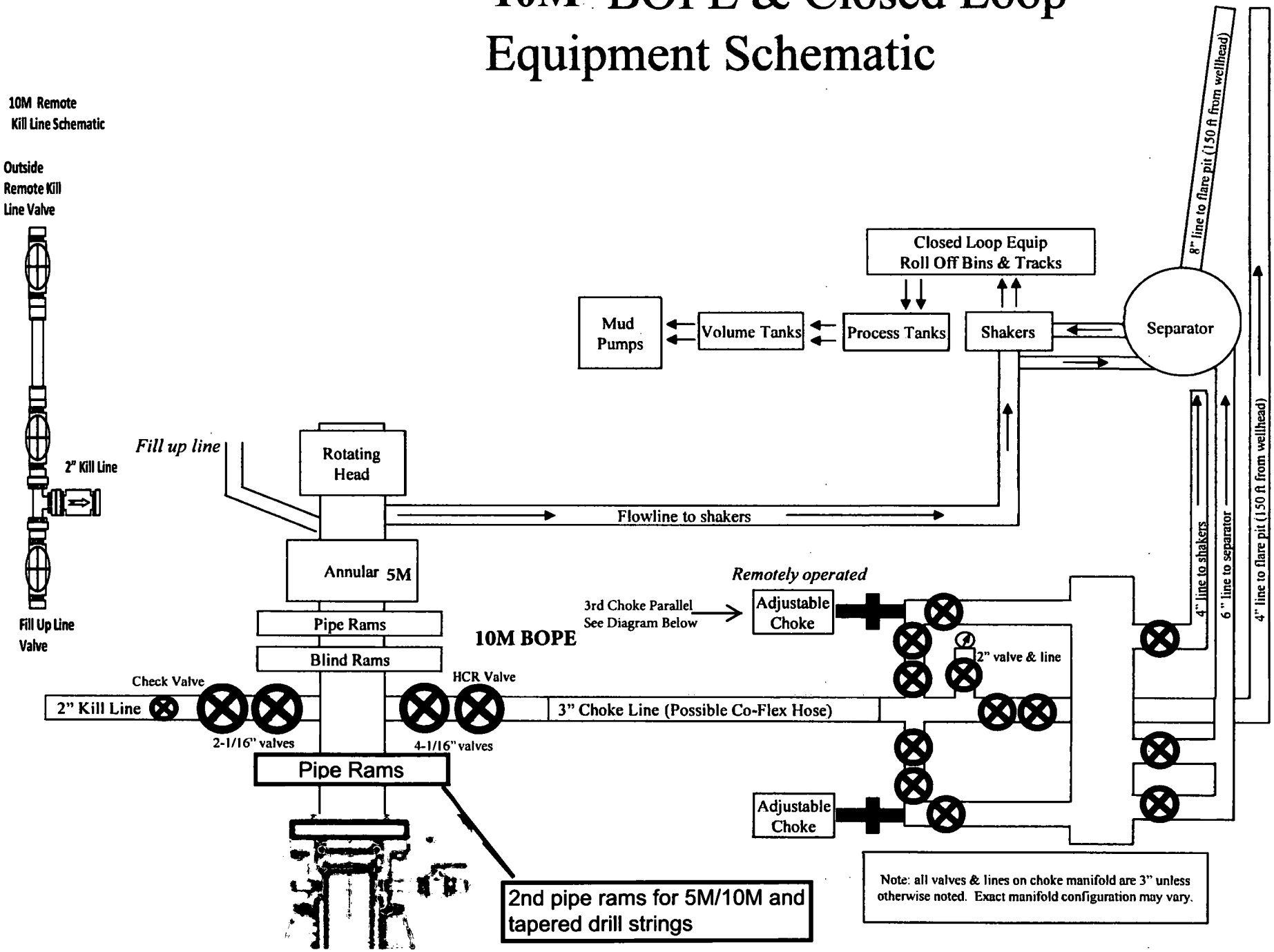
devon

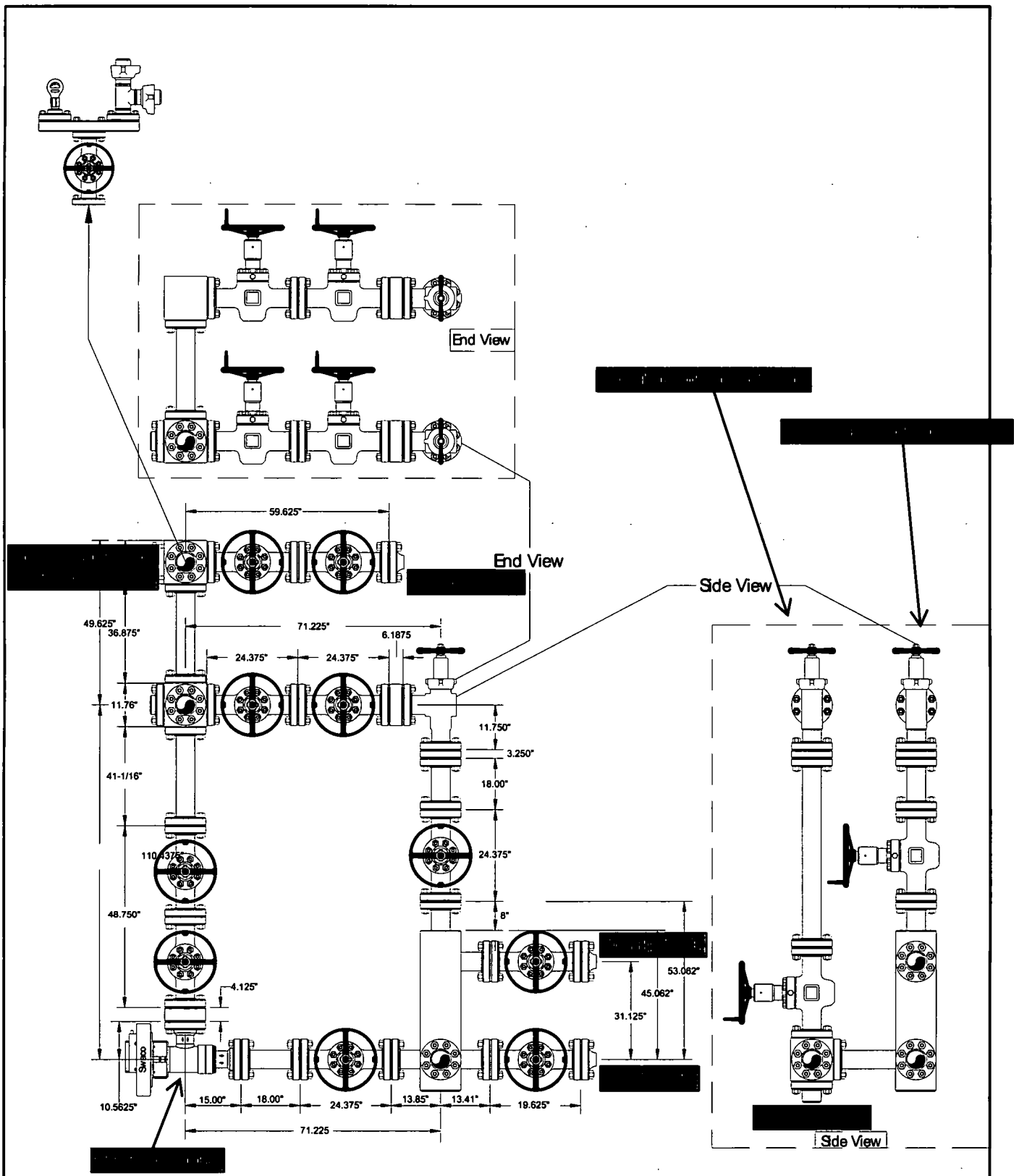
Name: Mike Potts	Date: 6-23-2010	Working Pressure: 10M	J-5132-E

13-5/8" 5M BOPE & Closed Loop Equipment Schematic



10M BOPE & Closed Loop Equipment Schematic





Helmerich & Payne

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Name:	Date:	Working Pressure:	
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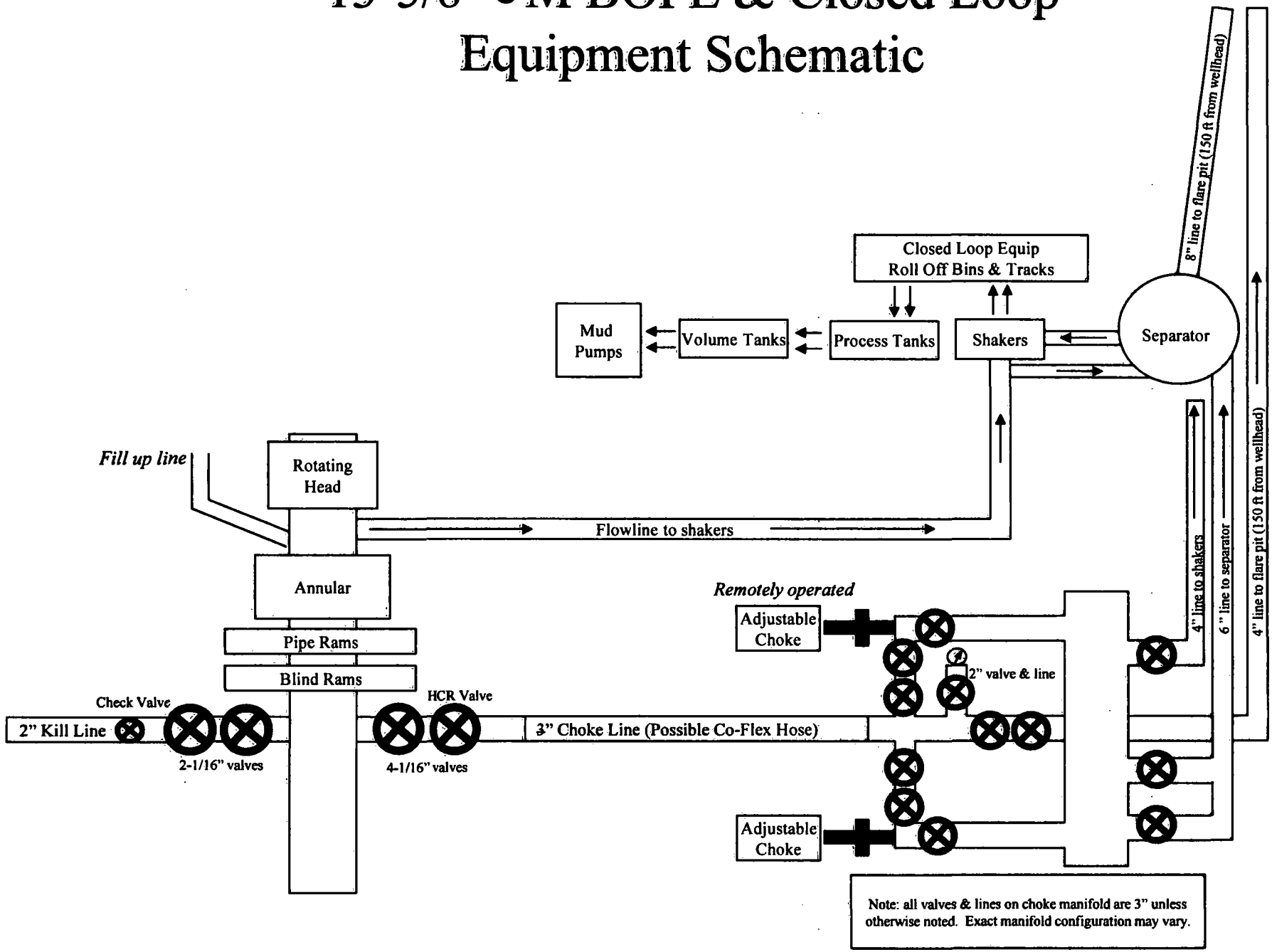

Casing Assumptions and Load Cases

Production

All casing design assumptions were ran in Stress Check to determine safety factor which meet or exceed both Devon Energy and BLM minimum requirements. All casing strings will be filled while running in hole in order to not exceed collapse rating of the pipe.

Production Casing Burst Design		
Load Case	**External Pressure**	**Internal Pressure**
Pressure Test	Formation Pore Pressure	Fluid in hole (water or produced water) + test psi
Tubing Leak	Formation Pore Pressure	Packer @ KOP, leak below surface 8.6 ppg packer fluid
Stimulation	Formation Pore Pressure	Max frac pressure with heaviest frac fluid

Production Casing Collapse Design		
Load Case	**External Pressure**	**Internal Pressure**
Full Evacuation	Water gradient in cement, mud above TOC.	None
Cementing	Wet cement weight	Water (8.33ppg)

Production Casing Tension Design	
Load Case	**Assumptions**
Overpull	100kips
Runing in hole	2 ft/s
Service Loads	N/A

Casing Assumptions and Load Cases

Production

All casing design assumptions were ran in Stress Check to determine safety factor which meet or exceed both Devon Energy and BLM minimum requirements. All casing strings will be filled while running in hole in order to not exceed collapse rating of the pipe.

Production Casing Burst Design		
Load Case	**External Pressure**	**Internal Pressure**
Pressure Test	Formation Pore Pressure	Fluid in hole (water or produced water) + test psi
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Stimulation	Formation Pore Pressure	Max frac pressure with heaviest frac fluid

Production Casing Collapse Design		
Load Case	**External Pressure**	**Internal Pressure**
Full Evacuation	Water gradient in cement, mud above TOC.	None
Cementing	Wet cement weight	Water (8.33ppg)

Production Casing Tension Design	
Load Case	**Assumptions**
Overpull	100kips
Runing in hole	2 ft/s
Service Loads	N/A

Casing Assumptions and Load Cases

Intermediate

All casing design assumptions were ran in Stress Check to determine safety factor which meet or exceed both Devon Energy and BLM minimum requirements. All casing strings will be filled while running in hole in order to not exceed collapse rating of the pipe.

Intermediate Casing Burst Design		
Load Case	**External Pressure**	**Internal Pressure**
Pressure Test	Formation Pore Pressure	Max mud weight of next hole-section plus Test psi
Drill Ahead	Formation Pore Pressure	Max mud weight of next hole section
Fracture @ Shoe	Formation Pore Pressure	Dry gas

Intermediate Casing Collapse Design		
Load Case	**External Pressure**	**Internal Pressure**
Full Evacuation	Water gradient in cement, mud above TOC	None
Cementing	Wet cement weight	Water (8.33ppg)

Intermediate Casing Tension Design	
Load Case	**Assumptions**
Overpull	100kips
Runing in hole	2 ft/s
Service Loads	N/A

Casing Assumptions and Load Cases

Production

All casing design assumptions were ran in Stress Check to determine safety factor which meet or exceed both Devon Energy and BLM minimum requirements. All casing strings will be filled while running in hole in order to not exceed collapse rating of the pipe.

Production Casing Burst Design		
Load Case	**External Pressure**	**Internal Pressure**
Pressure Test	Formation Pore Pressure	Fluid in hole (water or produced water) + test psi
Tubing Leak	Formation Pore Pressure	Packer @ KOP, leak below surface 8.6 ppg packer fluid
Stimulation	Formation Pore Pressure	Max frac pressure with heaviest frac fluid

Production Casing Collapse Design		
Load Case	**External Pressure**	**Internal Pressure**
Full Evacuation	Water gradient in cement, mud above TOC.	None
Cementing	Wet cement weight	Water (8.33ppg)

Production Casing Tension Design	
Load Case	**Assumptions**
Overpull	100kips
Runing in hole	2 ft/s
Service Loads	N/A

Casing Assumptions and Load Cases

Production

All casing design assumptions were ran in Stress Check to determine safety factor which meet or exceed both Devon Energy and BLM minimum requirements. All casing strings will be filled while running in hole in order to not exceed collapse rating of the pipe.

Production Casing Burst Design		
Load Case	**External Pressure**	**Internal Pressure**
Pressure Test	Formation Pore Pressure	Fluid in hole (water or produced water) + test psi
Tubing Leak	Formation Pore Pressure	Packer @ KOP, leak below surface 8.6 ppg packer fluid
Stimulation	Formation Pore Pressure	Max frac pressure with heaviest frac fluid

Production Casing Collapse Design		
Load Case	**External Pressure**	**Internal Pressure**
Full Evacuation	Water gradient in cement, mud above TOC.	None
Cementing	Wet cement weight	Water (8.33ppg)

Production Casing Tension Design	
Load Case	**Assumptions**
Overpull	100kips
Runing in hole	2 ft/s
Service Loads	N/A

Casing Assumptions and Load Cases

Surface

All casing design assumptions were ran in Stress Check to determine safety factor which meet or exceed both Devon Energy and BLM minimum requirements. All casing strings will be filled while running in hole in order to not exceed collapse rating of the pipe.

Surface Casing Burst Design		
Load Case	**External Pressure**	**Internal Pressure**
Pressure Test	Formation Pore Pressure	Max mud weight of next hole-section plus Test psi
Drill Ahead	Formation Pore Pressure	Max mud weight of next hole section
Displace to Gas	Formation Pore Pressure	Dry gas from next casing point

Surface Casing Collapse Design		
Load Case	**External Pressure**	**Internal Pressure**
Full Evacuation	Water gradient in cement, mud above TOC	None
Cementing	Wet cement weight	Water (8.33ppg)

Surface Casing Tension Design	
Load Case	**Assumptions**
Overpull	100kips
Runing in hole	3 ft/s
Service Loads	N/A

devon

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

Hydrogen Sulfide (H_2S) Contingency Plan

For

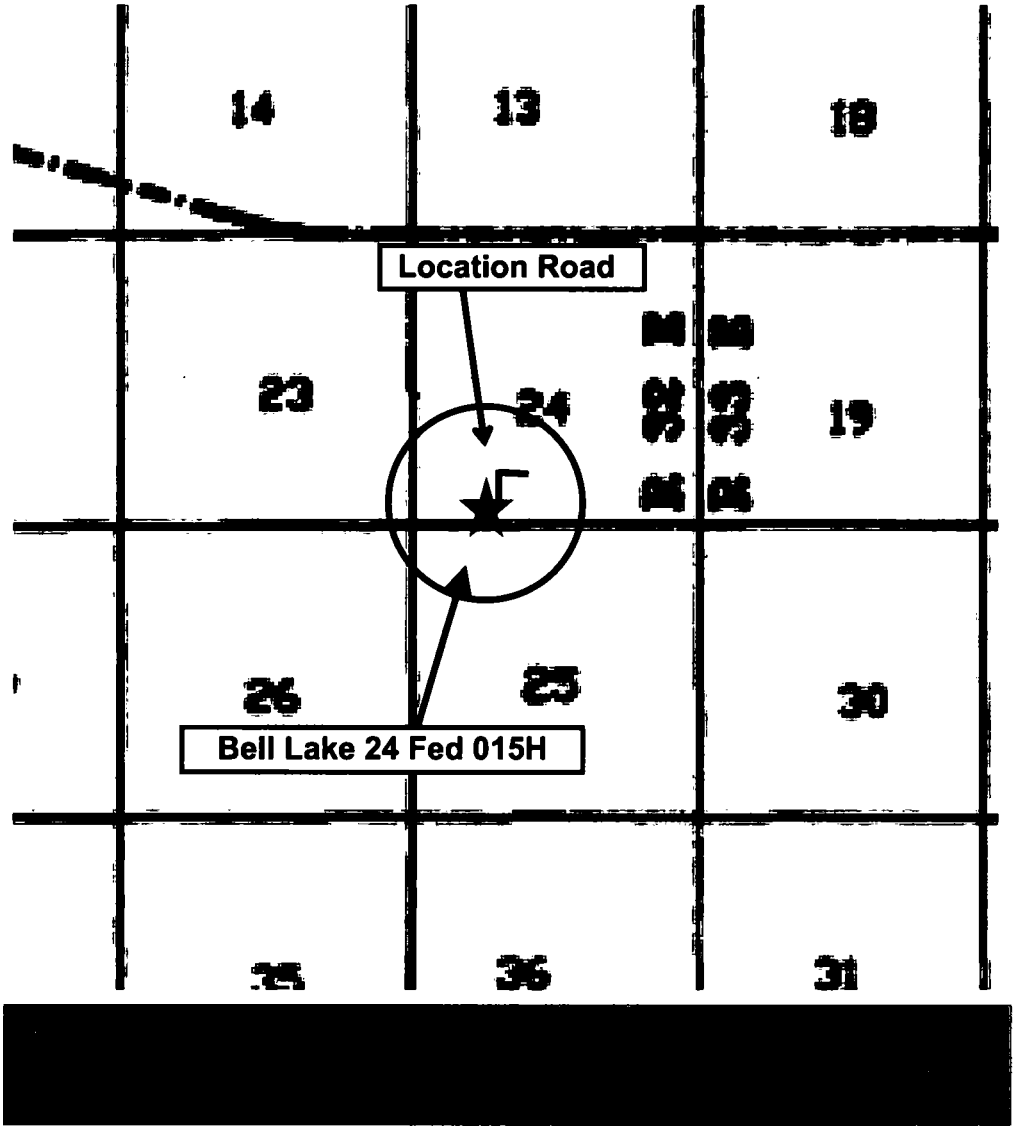
Bell Lake 24 Fed 015H

Sec-24 T-24S R-32E
197' FSL & 1121 FWL
LAT. = 32.196436' N (NAD83)
LONG = 103.633249' W

Lea County NM

Bell Lake 24 Fed 015H

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.



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.

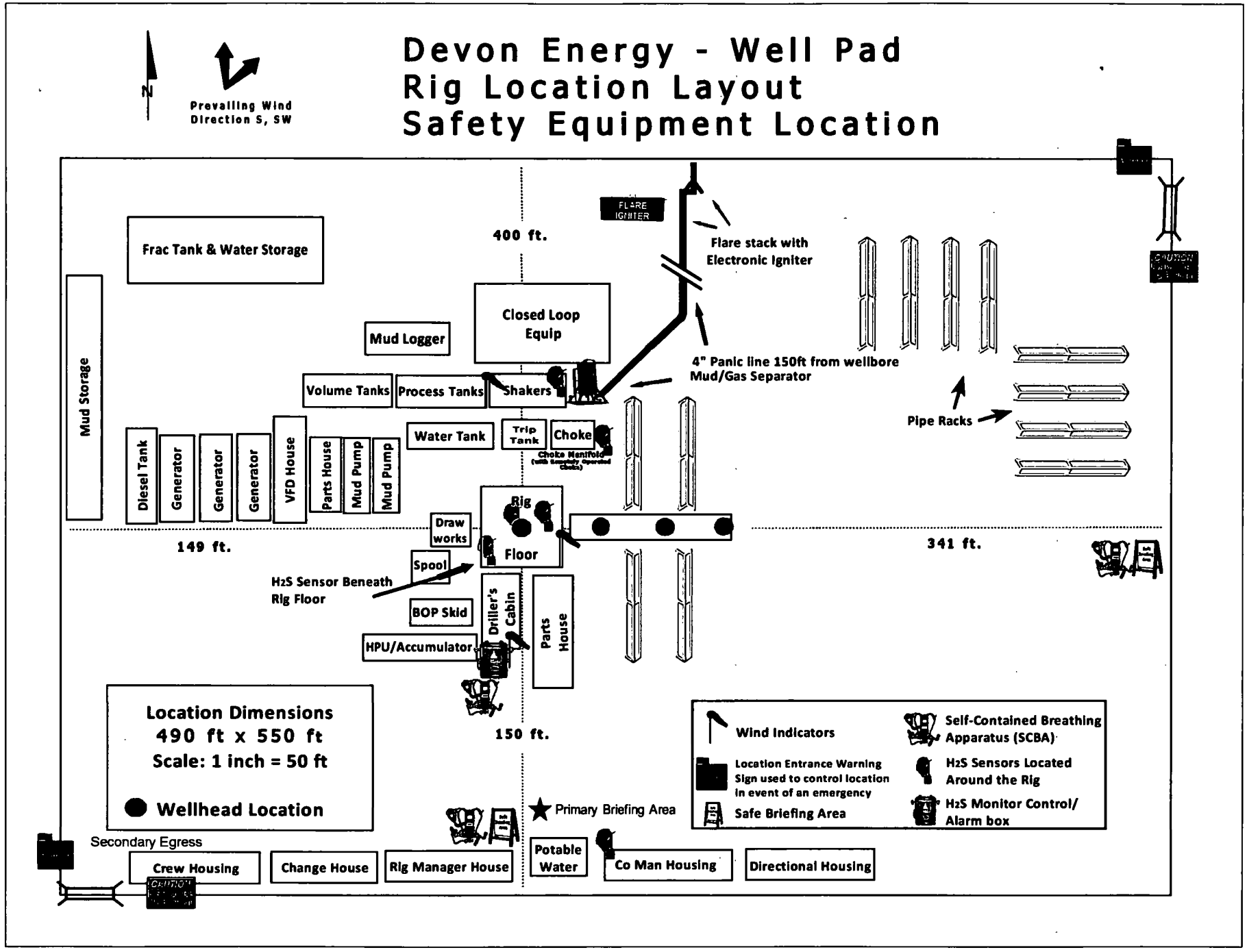
   B. There will be no drill stem testing.

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 (TX & NM)	(800) 642-7828
	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



WCDSC Permian NM

Lea County (NAD83 New Mexico East)
Sec 24-24S-32E
Bell Lake 24 Fed 15H

Wellbore #1

Plan: Permit Plan 1

Standard Planning Report - Geographic

10 June, 2019

Planning Report - Geographic

Database:	EDM r5000.141_Prod US	**Local Co-ordinate Reference**	Well Bell Lake 24 Fed 15H
Company:	WCDSC Permian NM	**TVD Reference:**	RKB @ 3600.70ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	RKB @ 3600.70ft
Site:	Sec 24-24S-32E	**North Reference:**	Grid
Well:	Bell Lake 24 Fed 15H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Project	Lea County (NAD83 New Mexico East)		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 24-24S-32E				
Site Position:		**Northing:**	-0.83 usft	**Latitude:**	30.988439
From:	Map	**Easting:**	-99.96 usft	**Longitude:**	-106.061149
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	-0.89 °

Well	Bell Lake 24 Fed 15H					
Well Position	**+N/-S**	0.00 ft	**Northing:**	435,902.76 usft	**Latitude:**	32.196436
	+E/-W	0.00 ft	**Easting:**	757,893.57 usft	**Longitude:**	-103.633250
Position Uncertainty		0.50 ft	**Wellhead Elevation:**		**Ground Level:**	3,575.70 ft

Wellbore	Wellbore #1			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	6/10/2019	6.77	60.00	47,710.61564561

Design	Permit Plan 1			
Audit Notes:				
Version:	**Phase:**	PROTOTYPE	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.00	0.00	0.00	350.90

Plan Survey Tool Program **Date** 6/10/2019

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,191.34	Permit Plan 1 (Wellbore #1)	MWD+HDGM OWSG MWD + HDGM	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,926.63	5.27	272.17	2,925.89	0.92	-24.17	1.00	1.00	0.00	272.17	
11,111.70	5.27	272.17	11,076.41	29.39	-774.89	0.00	0.00	0.00	0.00	
11,462.79	0.00	0.00	11,427.00	30.00	-791.00	1.50	-1.50	0.00	180.00	
11,812.83	0.00	0.00	11,777.04	30.00	-791.00	0.00	0.00	0.00	0.00	
12,712.83	90.00	359.74	12,350.00	602.95	-793.63	10.00	10.00	0.00	359.74	PBHL - Bell Lake 24 F
17,191.34	90.00	359.74	12,350.00	5,081.42	-814.17	0.00	0.00	0.00	0.00	PBHL - Bell Lake 24 F

Database:	EDM r5000.141_Prod US	**Local Co-ordinate Reference**	Well Bell Lake 24 Fed 15H
Company:	WCDSC Permian NM	**TVD Reference:**	RKB @ 3600.70ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	RKB @ 3600.70ft
Site:	Sec 24-24S-32E	**North Reference:**	Grid
Well:	Bell Lake 24 Fed 15H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
100.00	0.00	0.00	100.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
200.00	0.00	0.00	200.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
300.00	0.00	0.00	300.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
400.00	0.00	0.00	400.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
500.00	0.00	0.00	500.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
600.00	0.00	0.00	600.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
700.00	0.00	0.00	700.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
800.00	0.00	0.00	800.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
900.00	0.00	0.00	900.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
1,000.00	0.00	0.00	1,000.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
1,100.00	0.00	0.00	1,100.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
1,200.00	0.00	0.00	1,200.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
1,300.00	0.00	0.00	1,300.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
1,400.00	0.00	0.00	1,400.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
1,500.00	0.00	0.00	1,500.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
1,600.00	0.00	0.00	1,600.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
1,700.00	0.00	0.00	1,700.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
1,800.00	0.00	0.00	1,800.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
1,900.00	0.00	0.00	1,900.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
2,000.00	0.00	0.00	2,000.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
2,100.00	0.00	0.00	2,100.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
2,200.00	0.00	0.00	2,200.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
2,300.00	0.00	0.00	2,300.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
2,400.00	0.00	0.00	2,400.00	0.00	0.00	435,902.76	757,893.57	32.196436	-103.633250
2,500.00	1.00	272.17	2,499.99	0.03	-0.87	435,902.79	757,892.69	32.196436	-103.633252
2,600.00	2.00	272.17	2,599.96	0.13	-3.49	435,902.89	757,890.08	32.196437	-103.633261
2,700.00	3.00	272.17	2,699.86	0.30	-7.85	435,903.06	757,885.72	32.196437	-103.633275
2,800.00	4.00	272.17	2,799.68	0.53	-13.95	435,903.29	757,879.62	32.196438	-103.633295
2,900.00	5.00	272.17	2,899.37	0.83	-21.79	435,903.59	757,871.78	32.196439	-103.633320
2,926.63	5.27	272.17	2,925.89	0.92	-24.17	435,903.68	757,869.40	32.196439	-103.633328
3,000.00	5.27	272.17	2,998.95	1.17	-30.90	435,903.93	757,862.67	32.196440	-103.633349
3,100.00	5.27	272.17	3,098.53	1.52	-40.07	435,904.28	757,853.50	32.196441	-103.633379
3,200.00	5.27	272.17	3,198.10	1.87	-49.24	435,904.63	757,844.33	32.196442	-103.633409
3,300.00	5.27	272.17	3,297.68	2.22	-58.41	435,904.98	757,835.15	32.196443	-103.633438
3,400.00	5.27	272.17	3,397.26	2.56	-67.58	435,905.32	757,825.98	32.196444	-103.633468
3,500.00	5.27	272.17	3,496.84	2.91	-76.76	435,905.67	757,816.81	32.196445	-103.633498
3,600.00	5.27	272.17	3,596.42	3.26	-85.93	435,906.02	757,807.64	32.196447	-103.633527
3,700.00	5.27	272.17	3,695.99	3.61	-95.10	435,906.37	757,798.47	32.196448	-103.633557
3,800.00	5.27	272.17	3,795.57	3.95	-104.27	435,906.71	757,789.30	32.196449	-103.633587
3,900.00	5.27	272.17	3,895.15	4.30	-113.44	435,907.06	757,780.12	32.196450	-103.633616
4,000.00	5.27	272.17	3,994.73	4.65	-122.62	435,907.41	757,770.95	32.196451	-103.633646
4,100.00	5.27	272.17	4,094.31	5.00	-131.79	435,907.76	757,761.78	32.196452	-103.633676
4,200.00	5.27	272.17	4,193.88	5.35	-140.96	435,908.11	757,752.61	32.196453	-103.633705
4,300.00	5.27	272.17	4,293.46	5.69	-150.13	435,908.45	757,743.44	32.196454	-103.633735
4,400.00	5.27	272.17	4,393.04	6.04	-159.30	435,908.80	757,734.26	32.196456	-103.633764
4,500.00	5.27	272.17	4,492.62	6.39	-168.47	435,909.15	757,725.09	32.196457	-103.633794
4,600.00	5.27	272.17	4,592.20	6.74	-177.65	435,909.50	757,715.92	32.196458	-103.633824
4,700.00	5.27	272.17	4,691.77	7.09	-186.82	435,909.85	757,706.75	32.196459	-103.633853
4,800.00	5.27	272.17	4,791.35	7.43	-195.99	435,910.19	757,697.58	32.196460	-103.633883
4,900.00	5.27	272.17	4,890.93	7.78	-205.16	435,910.54	757,688.41	32.196461	-103.633913
5,000.00	5.27	272.17	4,990.51	8.13	-214.33	435,910.89	757,679.23	32.196462	-103.633942
5,100.00	5.27	272.17	5,090.08	8.48	-223.51	435,911.24	757,670.06	32.196463	-103.633972
5,200.00	5.27	272.17	5,189.66	8.82	-232.68	435,911.58	757,660.89	32.196465	-103.634002

Planning Report - Geographic

Database:	EDM r5000.141_Prod US	**Local Co-ordinate Reference**	Well Bell Lake 24 Fed 15H
Company:	WCDSC Permian NM	**TVD Reference:**	RKB @ 3600.70ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	RKB @ 3600.70ft
Site:	Sec 24-24S-32E	**North Reference:**	Grid
Well:	Bell Lake 24 Fed 15H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,300.00	5.27	272.17	5,289.24	9.17	-241.85	435,911.93	757,651.72	32.196466	-103.634031
5,400.00	5.27	272.17	5,388.82	9.52	-251.02	435,912.28	757,642.55	32.196467	-103.634061
5,500.00	5.27	272.17	5,488.40	9.87	-260.19	435,912.63	757,633.37	32.196468	-103.634091
5,600.00	5.27	272.17	5,587.97	10.22	-269.36	435,912.98	757,624.20	32.196469	-103.634120
5,700.00	5.27	272.17	5,687.55	10.56	-278.54	435,913.32	757,615.03	32.196470	-103.634150
5,800.00	5.27	272.17	5,787.13	10.91	-287.71	435,913.67	757,605.86	32.196471	-103.634179
5,900.00	5.27	272.17	5,886.71	11.26	-296.88	435,914.02	757,596.69	32.196472	-103.634209
6,000.00	5.27	272.17	5,986.29	11.61	-306.05	435,914.37	757,587.52	32.196474	-103.634239
6,100.00	5.27	272.17	6,085.86	11.96	-315.22	435,914.72	757,578.34	32.196475	-103.634268
6,200.00	5.27	272.17	6,185.44	12.30	-324.40	435,915.06	757,569.17	32.196476	-103.634298
6,300.00	5.27	272.17	6,285.02	12.65	-333.57	435,915.41	757,560.00	32.196477	-103.634328
6,400.00	5.27	272.17	6,384.60	13.00	-342.74	435,915.76	757,550.83	32.196478	-103.634357
6,500.00	5.27	272.17	6,484.18	13.35	-351.91	435,916.11	757,541.66	32.196479	-103.634387
6,600.00	5.27	272.17	6,583.75	13.69	-361.08	435,916.45	757,532.48	32.196480	-103.634417
6,700.00	5.27	272.17	6,683.33	14.04	-370.25	435,916.80	757,523.31	32.196481	-103.634446
6,800.00	5.27	272.17	6,782.91	14.39	-379.43	435,917.15	757,514.14	32.196482	-103.634476
6,900.00	5.27	272.17	6,882.49	14.74	-388.60	435,917.50	757,504.97	32.196484	-103.634505
7,000.00	5.27	272.17	6,982.06	15.09	-397.77	435,917.85	757,495.80	32.196485	-103.634535
7,100.00	5.27	272.17	7,081.64	15.43	-406.94	435,918.19	757,486.63	32.196486	-103.634565
7,200.00	5.27	272.17	7,181.22	15.78	-416.11	435,918.54	757,477.45	32.196487	-103.634594
7,300.00	5.27	272.17	7,280.80	16.13	-425.29	435,918.89	757,468.28	32.196488	-103.634624
7,400.00	5.27	272.17	7,380.38	16.48	-434.46	435,919.24	757,459.11	32.196489	-103.634654
7,500.00	5.27	272.17	7,479.95	16.83	-443.63	435,919.59	757,449.94	32.196490	-103.634683
7,600.00	5.27	272.17	7,579.53	17.17	-452.80	435,919.93	757,440.77	32.196491	-103.634713
7,700.00	5.27	272.17	7,679.11	17.52	-461.97	435,920.28	757,431.59	32.196493	-103.634743
7,800.00	5.27	272.17	7,778.69	17.87	-471.14	435,920.63	757,422.42	32.196494	-103.634772
7,900.00	5.27	272.17	7,878.27	18.22	-480.32	435,920.98	757,413.25	32.196495	-103.634802
8,000.00	5.27	272.17	7,977.84	18.56	-489.49	435,921.32	757,404.08	32.196496	-103.634832
8,100.00	5.27	272.17	8,077.42	18.91	-498.66	435,921.67	757,394.91	32.196497	-103.634861
8,200.00	5.27	272.17	8,177.00	19.26	-507.83	435,922.02	757,385.74	32.196498	-103.634891
8,300.00	5.27	272.17	8,276.58	19.61	-517.00	435,922.37	757,376.56	32.196499	-103.634920
8,400.00	5.27	272.17	8,376.16	19.96	-526.18	435,922.72	757,367.39	32.196500	-103.634950
8,500.00	5.27	272.17	8,475.73	20.30	-535.35	435,923.06	757,358.22	32.196502	-103.634980
8,600.00	5.27	272.17	8,575.31	20.65	-544.52	435,923.41	757,349.05	32.196503	-103.635009
8,700.00	5.27	272.17	8,674.89	21.00	-553.69	435,923.76	757,339.88	32.196504	-103.635039
8,800.00	5.27	272.17	8,774.47	21.35	-562.86	435,924.11	757,330.70	32.196505	-103.635069
8,900.00	5.27	272.17	8,874.04	21.70	-572.03	435,924.46	757,321.53	32.196506	-103.635098
9,000.00	5.27	272.17	8,973.62	22.04	-581.21	435,924.80	757,312.36	32.196507	-103.635128
9,100.00	5.27	272.17	9,073.20	22.39	-590.38	435,925.15	757,303.19	32.196508	-103.635158
9,200.00	5.27	272.17	9,172.78	22.74	-599.55	435,925.50	757,294.02	32.196509	-103.635187
9,300.00	5.27	272.17	9,272.36	23.09	-608.72	435,925.85	757,284.85	32.196510	-103.635217
9,400.00	5.27	272.17	9,371.93	23.43	-617.89	435,926.19	757,275.67	32.196512	-103.635247
9,500.00	5.27	272.17	9,471.51	23.78	-627.07	435,926.54	757,266.50	32.196513	-103.635276
9,600.00	5.27	272.17	9,571.09	24.13	-636.24	435,926.89	757,257.33	32.196514	-103.635306
9,700.00	5.27	272.17	9,670.67	24.48	-645.41	435,927.24	757,248.16	32.196515	-103.635335
9,800.00	5.27	272.17	9,770.25	24.83	-654.58	435,927.59	757,238.99	32.196516	-103.635365
9,900.00	5.27	272.17	9,869.82	25.17	-663.75	435,927.93	757,229.82	32.196517	-103.635395
10,000.00	5.27	272.17	9,969.40	25.52	-672.93	435,928.28	757,220.64	32.196518	-103.635424
10,100.00	5.27	272.17	10,068.98	25.87	-682.10	435,928.63	757,211.47	32.196519	-103.635454
10,200.00	5.27	272.17	10,168.56	26.22	-691.27	435,928.98	757,202.30	32.196521	-103.635484
10,300.00	5.27	272.17	10,268.14	26.57	-700.44	435,929.33	757,193.13	32.196522	-103.635513
10,400.00	5.27	272.17	10,367.71	26.91	-709.61	435,929.67	757,183.96	32.196523	-103.635543
10,500.00	5.27	272.17	10,467.29	27.26	-718.78	435,930.02	757,174.78	32.196524	-103.635573
10,600.00	5.27	272.17	10,566.87	27.61	-727.96	435,930.37	757,165.61	32.196525	-103.635602

Database:	EDM r5000.141_Prod US	**Local Co-ordinate Reference**	Well Bell Lake 24 Fed 15H
Company:	WCDSC Permian NM	**TVD Reference:**	RKB @ 3600.70ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	RKB @ 3600.70ft
Site:	Sec 24-24S-32E	**North Reference:**	Grid
Well:	Bell Lake 24 Fed 15H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,700.00	5.27	272.17	10,666.45	27.96	-737.13	435,930.72	757,156.44	32.196526	-103.635632
10,800.00	5.27	272.17	10,766.02	28.30	-746.30	435,931.06	757,147.27	32.196527	-103.635662
10,900.00	5.27	272.17	10,865.60	28.65	-755.47	435,931.41	757,138.10	32.196528	-103.635691
11,000.00	5.27	272.17	10,965.18	29.00	-764.64	435,931.76	757,128.93	32.196529	-103.635721
11,100.00	5.27	272.17	11,064.76	29.35	-773.82	435,932.11	757,119.75	32.196531	-103.635750
11,111.70	5.27	272.17	11,076.41	29.39	-774.89	435,932.15	757,118.68	32.196531	-103.635754
11,200.00	3.94	272.17	11,164.42	29.66	-781.97	435,932.42	757,111.60	32.196532	-103.635777
11,300.00	2.44	272.17	11,264.26	29.87	-787.53	435,932.63	757,106.03	32.196532	-103.635795
11,400.00	0.94	272.17	11,364.22	29.98	-790.48	435,932.74	757,103.08	32.196533	-103.635804
11,462.79	0.00	0.00	11,427.00	30.00	-791.00	435,932.76	757,102.57	32.196533	-103.635806
11,500.00	0.00	0.00	11,464.22	30.00	-791.00	435,932.76	757,102.57	32.196533	-103.635806
11,600.00	0.00	0.00	11,564.22	30.00	-791.00	435,932.76	757,102.57	32.196533	-103.635806
11,700.00	0.00	0.00	11,664.22	30.00	-791.00	435,932.76	757,102.57	32.196533	-103.635806
11,800.00	0.00	0.00	11,764.22	30.00	-791.00	435,932.76	757,102.57	32.196533	-103.635806
11,812.83	0.00	0.00	11,777.05	30.00	-791.00	435,932.76	757,102.57	32.196533	-103.635806
KOP & FTP @ 11813' MD, 227' FSL, 330' FWL									
11,900.00	8.72	359.74	11,863.88	36.62	-791.03	435,939.38	757,102.54	32.196551	-103.635806
12,000.00	18.72	359.74	11,960.90	60.30	-791.14	435,963.06	757,102.43	32.196616	-103.635806
12,100.00	28.72	359.74	12,052.34	100.47	-791.32	436,003.23	757,102.25	32.196726	-103.635806
12,200.00	38.72	359.74	12,135.41	155.91	-791.58	436,058.67	757,101.99	32.196879	-103.635805
12,300.00	48.72	359.74	12,207.60	224.93	-791.89	436,127.69	757,101.67	32.197069	-103.635805
12,400.00	58.72	359.74	12,266.70	305.44	-792.26	436,208.20	757,101.31	32.197290	-103.635804
12,500.00	68.72	359.74	12,310.92	394.99	-792.67	436,297.75	757,100.89	32.197536	-103.635804
12,600.00	78.72	359.74	12,338.93	490.85	-793.11	436,393.61	757,100.45	32.197800	-103.635803
12,700.00	88.72	359.74	12,349.86	590.13	-793.57	436,492.89	757,100.00	32.198072	-103.635803
12,712.83	90.00	359.74	12,350.00	602.95	-793.63	436,505.71	757,099.94	32.198108	-103.635802
12,800.00	90.00	359.74	12,350.00	690.13	-794.03	436,592.88	757,099.54	32.198347	-103.635802
12,900.00	90.00	359.74	12,350.00	790.12	-794.49	436,692.88	757,099.08	32.198622	-103.635801
13,000.00	90.00	359.74	12,350.00	890.12	-794.95	436,792.88	757,098.62	32.198897	-103.635801
13,100.00	90.00	359.74	12,350.00	990.12	-795.40	436,892.88	757,098.16	32.199172	-103.635800
13,200.00	90.00	359.74	12,350.00	1,090.12	-795.86	436,992.88	757,097.71	32.199447	-103.635799
13,300.00	90.00	359.74	12,350.00	1,190.12	-796.32	437,092.88	757,097.25	32.199722	-103.635799
13,400.00	90.00	359.74	12,350.00	1,290.12	-796.78	437,192.88	757,096.79	32.199997	-103.635798
13,500.00	90.00	359.74	12,350.00	1,390.12	-797.24	437,292.87	757,096.33	32.200271	-103.635798
13,600.00	90.00	359.74	12,350.00	1,490.12	-797.70	437,392.87	757,095.87	32.200546	-103.635797
13,700.00	90.00	359.74	12,350.00	1,590.12	-798.16	437,492.87	757,095.41	32.200821	-103.635796
13,800.00	90.00	359.74	12,350.00	1,690.11	-798.62	437,592.87	757,094.95	32.201096	-103.635796
13,900.00	90.00	359.74	12,350.00	1,790.11	-799.07	437,692.87	757,094.49	32.201371	-103.635795
14,000.00	90.00	359.74	12,350.00	1,890.11	-799.53	437,792.87	757,094.04	32.201646	-103.635795
14,100.00	90.00	359.74	12,350.00	1,990.11	-799.99	437,892.87	757,093.58	32.201921	-103.635794
14,200.00	90.00	359.74	12,350.00	2,090.11	-800.45	437,992.87	757,093.12	32.202196	-103.635793
14,300.00	90.00	359.74	12,350.00	2,190.11	-800.91	438,092.86	757,092.66	32.202470	-103.635793
14,400.00	90.00	359.74	12,350.00	2,290.11	-801.37	438,192.86	757,092.20	32.202745	-103.635792
14,500.00	90.00	359.74	12,350.00	2,390.11	-801.83	438,292.86	757,091.74	32.203020	-103.635791
14,600.00	90.00	359.74	12,350.00	2,490.11	-802.28	438,392.86	757,091.28	32.203295	-103.635791
14,700.00	90.00	359.74	12,350.00	2,590.11	-802.74	438,492.86	757,090.82	32.203570	-103.635790
14,800.00	90.00	359.74	12,350.00	2,690.10	-803.20	438,592.86	757,090.37	32.203845	-103.635790
14,900.00	90.00	359.74	12,350.00	2,790.10	-803.66	438,692.86	757,089.91	32.204120	-103.635789
15,000.00	90.00	359.74	12,350.00	2,890.10	-804.12	438,792.86	757,089.45	32.204395	-103.635788
15,100.00	90.00	359.74	12,350.00	2,990.10	-804.58	438,892.85	757,088.99	32.204669	-103.635788
15,200.00	90.00	359.74	12,350.00	3,090.10	-805.04	438,992.85	757,088.53	32.204944	-103.635787
15,300.00	90.00	359.74	12,350.00	3,190.10	-805.50	439,092.85	757,088.07	32.205219	-103.635787
15,400.00	90.00	359.74	12,350.00	3,290.10	-805.95	439,192.85	757,087.61	32.205494	-103.635786
15,500.00	90.00	359.74	12,350.00	3,390.10	-806.41	439,292.85	757,087.16	32.205769	-103.635785

Database:	EDM r5000.141_Prod US	**Local Co-ordinate Reference**	Well Bell Lake 24 Fed 15H
Company:	WCDSC Permian NM	**TVD Reference:**	RKB @ 3600.70ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	RKB @ 3600.70ft
Site:	Sec 24-24S-32E	**North Reference:**	Grid
Well:	Bell Lake 24 Fed 15H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,600.00	90.00	359.74	12,350.00	3,490.10	-806.87	439,392.85	757,086.70	32.206044	-103.635785
15,700.00	90.00	359.74	12,350.00	3,590.09	-807.33	439,492.85	757,086.24	32.206319	-103.635784
15,800.00	90.00	359.74	12,350.00	3,690.09	-807.79	439,592.85	757,085.78	32.206594	-103.635783
15,900.00	90.00	359.74	12,350.00	3,790.09	-808.25	439,692.84	757,085.32	32.206868	-103.635783
16,000.00	90.00	359.74	12,350.00	3,890.09	-808.71	439,792.84	757,084.86	32.207143	-103.635782
16,100.00	90.00	359.74	12,350.00	3,990.09	-809.17	439,892.84	757,084.40	32.207418	-103.635782
16,200.00	90.00	359.74	12,350.00	4,090.09	-809.62	439,992.84	757,083.94	32.207693	-103.635781
16,300.00	90.00	359.74	12,350.00	4,190.09	-810.08	440,092.84	757,083.49	32.207968	-103.635780
16,400.00	90.00	359.74	12,350.00	4,290.09	-810.54	440,192.84	757,083.03	32.208243	-103.635780
16,500.00	90.00	359.74	12,350.00	4,390.09	-811.00	440,292.84	757,082.57	32.208518	-103.635779
16,600.00	90.00	359.74	12,350.00	4,490.09	-811.46	440,392.84	757,082.11	32.208793	-103.635779
16,700.00	90.00	359.74	12,350.00	4,590.08	-811.92	440,492.83	757,081.65	32.209067	-103.635778
16,800.00	90.00	359.74	12,350.00	4,690.08	-812.38	440,592.83	757,081.19	32.209342	-103.635777
16,900.00	90.00	359.74	12,350.00	4,790.08	-812.84	440,692.83	757,080.73	32.209617	-103.635777
17,000.00	90.00	359.74	12,350.00	4,890.08	-813.29	440,792.83	757,080.27	32.209892	-103.635776
17,100.00	90.00	359.74	12,350.00	4,990.08	-813.75	440,892.83	757,079.82	32.210167	-103.635775
17,111.34	90.00	359.74	12,350.00	5,001.42	-813.80	440,904.17	757,079.76	32.210198	-103.635775
LTP @ 17111' MD, 100' FNL, 330' FWL									
17,191.33	90.00	359.74	12,350.00	5,081.41	-814.17	440,984.16	757,079.40	32.210418	-103.635775
PBHL; 20' FNL, 330' FWL									
17,191.34	90.00	359.74	12,350.00	5,081.42	-814.17	440,984.17	757,079.40	32.210418	-103.635775

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL - Bell Lake 24 Fed	0.00	0.00	0.00	5,081.42	-814.17	440,984.17	757,079.40	32.210418	-103.635775
- plan misses target center by 5146.23ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
11,812.83	11,777.05	30.00	-791.00	KOP & FTP @ 11813' MD, 227' FSL, 330' FWL
17,111.34	12,350.00	5,001.42	-813.80	LTP @ 17111' MD, 100' FNL, 330' FWL
17,191.33	12,350.00	5,081.41	-814.17	PBHL; 20' FNL, 330' FWL

Devon Energy

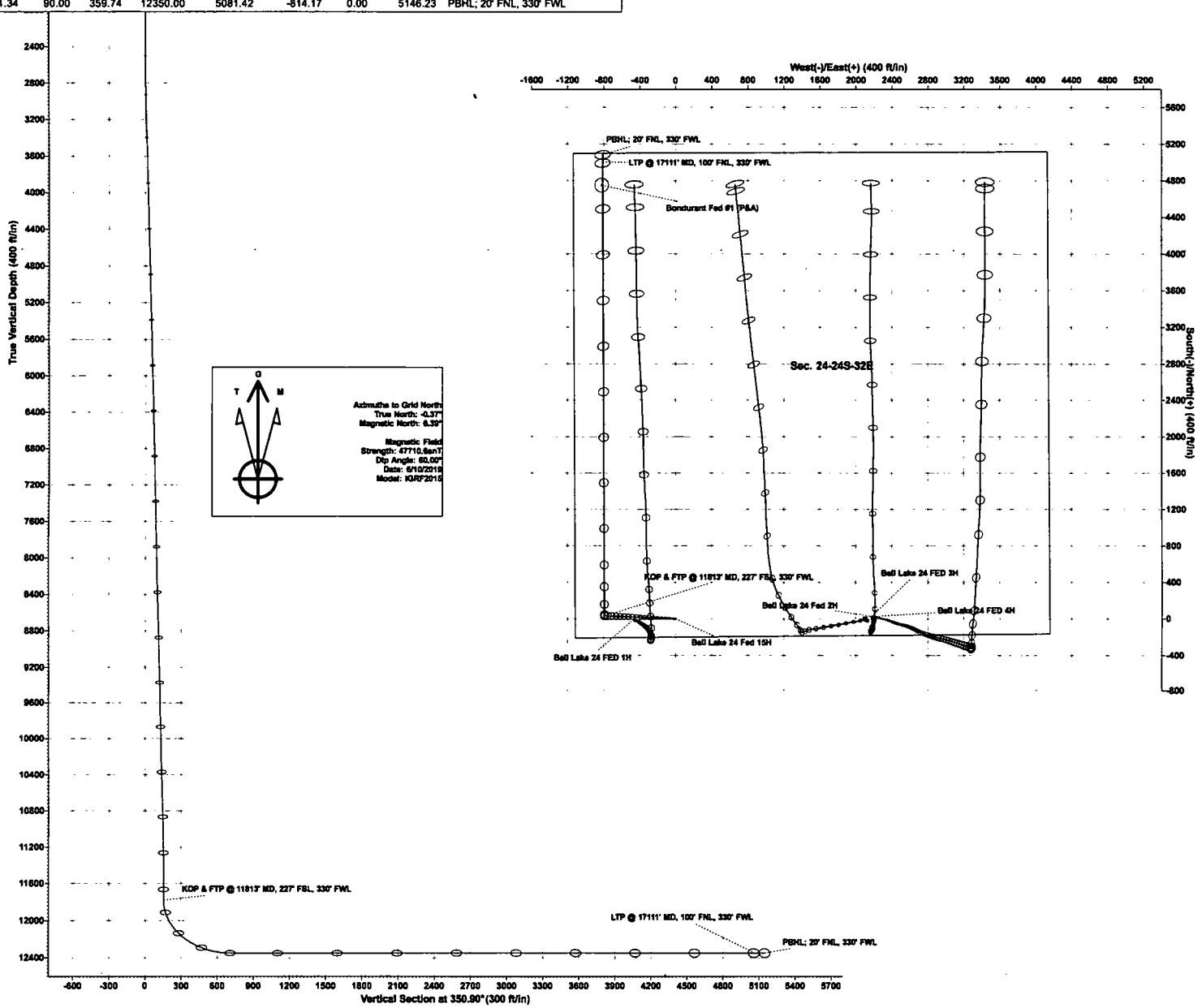
WELL DETAILS: Bell Lake 24 Fed 15H

RKB @ 3600.70ft
3575.70

Northing	Easting	Latitude	Longitude
435902.76	757893.57	32.196436	-103.633249

SECTION DETAILS Permit Plan 1

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	
2926.83	5.27	272.17	2925.89	0.92	-24.17	1.00	4.73	
11111.70	5.27	272.17	11076.41	29.39	-774.89	0.00	151.61	
11462.79	0.00	0.00	11427.00	30.00	-791.00	1.50	154.78	
11812.83	0.00	0.00	11777.04	30.00	-791.00	0.00	154.78	KOP & FTP @ 11813' MD, 227' FSL, 330' FWL
12712.83	90.00	359.74	12350.00	602.95	-793.63	10.00	720.92	
17191.34	90.00	359.74	12350.00	5081.42	-814.17	0.00	5146.23	PBHL; 20' FNL, 330' FWL



Devon Energy
APD VARIANCE DATA

OPERATOR NAME: Devon Energy

1. SUMMARY OF Variance:

Devon Energy respectfully requests approval for the following additions to the drilling plan:

1. Potential utilization of a spudder rig to pre-set surface casing.

2. Description of Operations

1. A spudder rig contractor may move in their rig to drill the surface hole section and pre-set surface casing on this well.
    a. After drilling the surface hole section, the rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
    b. Rig will utilize fresh water based mud to drill surface hole to TD.
2. The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
3. A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on two wingvalves.
    a. A means for intervention will be maintained while the drilling rig is not over the well.
4. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.
5. Drilling operation will be performed with the big 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 BLM will be contacted / notified 24 hours before the big rig moves back on to the pad with the pre-set surface casing.
6. Devon Energy will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.
7. Once the rig is removed, Devon Energy will secure the wellhead area by placing a guard rail around the cellar area.

APD ID: 10400043455 **Submission Date:** 07/29/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Well Type: OIL WELL **Well Work Type:** Drill

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Bell_Lake_24_Fed_15H_ACCESS_RD_20190729144019.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT **Row(s) Exist?** NO

ROW ID(s)

ID:

Do the existing roads need to be improved? YES

Existing Road Improvement Description: Improve road to accommodate Drilling and Completion operations.

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

Bell_Lake_24_Fed_15H_NEW_ACESS_RD_20190729144257.pdf
BELL_LAKE_24_CTB_3_ACC_RD_20190729144700.pdf
BELL_LAKE_24_PRIMARY_ACC_20190729144702.pdf
BELL_LAKE_24_WP_3_ACC_RD_20190729144706.pdf

New road type: LOCAL

Length: 5265 Feet **Width (ft.):** 30

Max slope (%): 6 **Max grade (%):** 4

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 20

New road access erosion control: Water Drainage Ditch

New road access plan or profile prepared? YES

New road access plan attachment:

ACCESS_RD_PLATS_DOC_20190729152010.docx

Access road engineering design? YES

Access road engineering design attachment:

ACCESS_RD_PLATS_DOC_20190729152021.docx

Turnout? N

Access surfacing type: OTHER

Access topsoil source: ONSITE

Access surfacing type description: caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: See attached Interim reclamation diagram.

Access other construction information:

Access miscellaneous information:

Number of access turnouts: **Access turnout map:**

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: Water Drainage Ditch

Road Drainage Control Structures (DCS) description: N/A

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

OneMileBuffer_20190729152143.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: 5 ATTACHMENTS - WELLPAD PLAT, CTB PLAT, FLOWLINE PLAT, 2 ELECTRIC PLATS. CONNECTS HANDLED BY THIRD PARTY

Production Facilities map:

BELL_LAKE_24_CTB_3_PLAT_20190729152302.pdf

BELL_LAKE_24_CTB_3_EL_20190729152302.pdf

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

BELL_LAKE_24_WP_3_PLAT_20190729152304.pdf
BELL_LAKE_24_WP_3_EL_20190729152307.pdf
BELL_LAKE_24_WP_3_TO_CTB_3_FL_20190729152312.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: RECYCLED

Water source use type: STIMULATION

Source latitude: **Source longitude:**

Source datum:

Water source permit type: OTHER

Water source transport method: PIPELINE

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 202500 **Source volume (acre-feet):** 26.100851

Source volume (gal): 8505000

Water source and transportation map:

BELL_LAKE_24_FED_WP3_WC_Water_Map_20190729153023.pdf

Water source comments: The attached Water Transfer Map is a proposal only and the final route and documentation will be provided by a Devon contractor prior to installation. When available Devon will always follow existing disturbance.
New water well? NO

New Water Well Info

Well latitude: **Well Longitude:** **Well datum:**

Well target aquifer:

Est. depth to top of aquifer(ft): **Est thickness of aquifer:**

Aquifer comments:

Aquifer documentation:

Well depth (ft): **Well casing type:**

Well casing outside diameter (in.): **Well casing inside diameter (in.):**

New water well casing? **Used casing source:**

Drilling method: **Drill material:**

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Grout material: **Grout depth:**

Casing length (ft.): **Casing top depth (ft.):**

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Dirt fill and caliche will be used to construct well pad. See attached map.

Construction Materials source location attachment:

Bell_Lake_24_Wellpad_3_Caliche_Map_20190729153108.pdf

Section 7 - Methods for Handling Waste

Waste type: DRILLING

Waste content description: Water Based and Oil Based Cuttings

Amount of waste: 1551 barrels

Waste disposal frequency : Daily

Safe containment description: N/A

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: All cuttings will disposed of at R360, Sundance, or equivalent.

Waste type: COMPLETIONS/STIMULATION

Waste content description: Flow back water during completion operations.

Amount of waste: 3000 barrels

Waste disposal frequency : One Time Only

Safe containment description: N/A

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Various disposal locations in Lea and Eddy counties.

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Waste type: FLOWBACK

Waste content description: Average produced BWPD over the flowback period (first 30 days of production).

Amount of waste: 6900 barrels

Waste disposal frequency : Daily

Safe containment description: N/A

Safe containmant attachment:

Waste disposal type: OFF-LEASE INJECTION **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Produced water will primarily be disposed of at commercial disposals connected to the Devon water system.

Waste type: PRODUCED WATER

Waste content description: Average produced BWPD over the first year of production.

Amount of waste: 2500 barrels

Waste disposal frequency : Daily

Safe containment description: N/A

Safe containmant attachment:

Waste disposal type: OFF-LEASE INJECTION **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Produced water will primarily be disposed of at commercial disposals connected to the Devon water system.

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit?

Reserve pit length (ft.) **Reserve pit width (ft.)**

Reserve pit depth (ft.) **Reserve pit volume (cu. yd.)**

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? NO

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Description of cuttings location

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: NO

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

Bell_Lake_24_Fed_15H_Well_Layout_20190729153347.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance **Multiple Well Pad Name:** BELL LAKE 24 WELLPAD

Multiple Well Pad Number: 3

Recontouring attachment:

Bell_Lake_24_Fed_15H_INTERIM_RECL_20190729153403.pdf

Drainage/Erosion control construction: All areas disturbed shall be reclaimed as early and as nearly as practicable to their original condition or their final land use and shall be maintained to control dust and minimize erosion to the extent practicable.

Drainage/Erosion control reclamation: Topsoils and subsoils shall be replaced to their original relative positions and contoured so as to achieve erosion control, long-term stability and preservation of surface water flow patterns. The disturbed area then shall be reseeded in the first favorable growing season.

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Well pad proposed disturbance (acres): 12.398
Road proposed disturbance (acres): 3.627
Powerline proposed disturbance (acres): 0.787
Pipeline proposed disturbance (acres): 1.901
Other proposed disturbance (acres): 0

Total proposed disturbance: 18.713

Well pad interim reclamation (acres): 9.124
Road interim reclamation (acres): 0
Powerline interim reclamation (acres): 0
Pipeline interim reclamation (acres): 0
Other interim reclamation (acres): 0

Total interim reclamation: 9.124

Well pad long term disturbance (acres): 3.274
Road long term disturbance (acres): 3.627
Powerline long term disturbance (acres): 0.787
Pipeline long term disturbance (acres): 1.901
Other long term disturbance (acres): 0

Total long term disturbance: 9.589

Disturbance Comments:

Reconstruction method: Operator will use Best Management Practices"BMP" to mechanically recontour to obtain the desired outcome.
Topsoil redistribution: Topsoils shall be replaced to their original relative positions and contoured so as to achieve erosion control, long-term stability and preservation of surface water flow patterns.
Soil treatment: Topsoils shall be replaced to their original relative positions and contoured so as to achieve erosion control, long-term stability and preservation of surface water flow patterns.
Existing Vegetation at the well pad: Shinnery, yucca, grasses and mesquite.

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: Shinnery, yucca, grasses and mesquite.

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: Shinnery, yucca, grasses and mesquite.

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: Shinnery, yucca, grasses and mesquite.

Existing Vegetation Community at other disturbances attachment:

Non native seed used? NO

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? NO

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? NO

Seed harvest description:

Seed harvest description attachment:

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Seed Management

Seed Table

Seed Summary	
Seed Type	**Pounds/Acre**

Total pounds/Acre:

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name: **Last Name:**

Phone: (405)552-6556 **Email:** blake.richardson@dvn.com

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: Maintain weeds on an as need basis.

Weed treatment plan attachment:

Monitoring plan description: Monitor as needed.

Monitoring plan attachment:

Success standards: N/A

Pit closure description: N/A

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: NEW ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Disturbance type: PIPELINE

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Section 12 - Other Information

Right of Way needed? YES **Use APD as ROW?** YES

ROW Type(s): 281001 ROW - ROADS,288100 ROW – O&G Pipeline,FLPMA (Powerline),Other

ROW Applications

SUPO Additional Information: See Section 4 for 14 Facility & Infrastructure Plats. See C-102 for grading plats.

Use a previously conducted onsite? YES

Previous Onsite information: 7/20/2018

Other SUPO Attachment

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

PWD Data Report

01/30/2020

APD ID: 10400043455 **Submission Date:** 07/29/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Well Type: OIL WELL **Well Work Type:** Drill

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): **PWD surface owner:**

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Section 4 - Injection

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: **Injection well name:**

Assigned injection well API number? **Injection well API number:**

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD discharge volume (bbl/day):

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:

AFMSS

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

Bond Info Data Report

01/30/2020

APD ID: 10400043455 **Submission Date:** 07/29/2019

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELL LAKE 24 FED **Well Number:** 15H

Well Type: OIL WELL **Well Work Type:** Drill

Show Final Text

Bond Information

Federal/Indian APD: FED

[redacted]

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment: