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

Sundry Print Report
03/19/2025

Well Name: RIO BLANCO 4-33 FED COM

Well Location: T23S / R34E / SEC 4 / SWNE / 32.334357 / -103.471382

County or Parish/State: LEA / NM

Well Number: 105H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM19142

Unit or CA Name: RIO BLANCO 4-33 FED COM 5H

Unit or CA Number: NMNM140034

US Well Number: 3002554249

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2842150

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 03/18/2025

Time Sundry Submitted: 10:16

Date proposed operation will begin: 03/18/2025

Procedure Description: Devon Energy Production Company, L.P. respectfully requests the following changes to the approved APD: BHL change from 20 FNL & 1270 FEL to 20 FNL & 1670 FEL, both 33-22S-34E. TVD/MD change from 9900'/17,520' to 9900'/17,524' 8-3/4" Pilot Hole and Plugging Program – please see attached drill plan Casing program change to accommodate pilot hole: Surface, Intermediate, & Production casing changes. Cement volume changes to accommodate casing change. Please see attached revised C-102, and drilling & directional plans and supporting documentation.

NOI Attachments

Procedure Description

10M_BOPE_CHK_DR_CLS_RKL_20250318101353.pdf

PPS_20000od_13300ppf_J55_API_BC_21.000_Rev_0_06042015_20250318101351.pdf

13.375_68.00_J55_20250318101350.pdf

Annular_Variance___Preventer_Summary_20250318101349.pdf

RIO_BLANCO_4_33_FEDERAL_COM_105H_C_102_BHL_NOI_20250318100615.pdf

RIO_BLANCO_4_33_FED_COM_105H_3_18_20250318100617.pdf

RIO_BLANCO_4_33_FED_COM_105H_Directional_Plan_03_18_25_20250318100614.pdf

Well Name: RIO BLANCO 4-33 FED COM

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County or Parish/State: LEA / NM

Well Number: 105H

Type of Well: OIL WELL

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Lease Number: NMNM19142

Unit or CA Name: RIO BLANCO 4-33 FED COM 5H

Unit or CA Number: NMNM140034

US Well Number: 3002554249

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Specialist Review

Rio_Blanco_4_33_Fed_Com_105H_Sundry_ID_2842150_20250319133347.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: REBECCA DEAL

Signed on: MAR 18, 2025 10:14 AM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Professional

Street Address: 333 W SHERIDAN AVE

City: OKLAHOMA CITY **State:** OK

Phone: (405) 228-8429

Email address: REBECCA.DEAL@DVN.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

BLM Point of Contact

BLM POC Name: LONG VO

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5759885402

BLM POC Email Address: LVO@BLM.GOV

Disposition: Approved

Disposition Date: 03/19/2025

Signature: Long Vo

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMNM19142

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No. RIO BLANCO 4-33 FED COM 5H/NMNM140034

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No. RIO BLANCO 4-33 FED COM/105H

2. Name of Operator DEVON ENERGY PRODUCTION COMPANY LP

9. API Well No. 3002554249

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

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

10. Field and Pool or Exploratory Area WC-025 G-06 S223421L/BONE SPRING

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 4/T23S/R34E/NMP

11. Country or Parish, State LEA/NM

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

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

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

Devon Energy Production Company, L.P. respectfully requests the following changes to the approved APD:
BHL change from 20 FNL & 1270 FEL to 20 FNL & 1670 FEL, both 33-22S-34E.
TVD/MD change from 9900/17,520 to 9900/17,524
8-3/4" Pilot Hole and Plugging Program please see attached drill plan
Casing program change to accommodate pilot hole: Surface, Intermediate, & Production casing changes. Cement volume changes to accommodate casing change.
Please see attached revised C-102, and drilling & directional plans and supporting documentation.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* REBECCA DEAL / Ph: (405) 228-8429

Title Regulatory Professional

Signature (Electronic Submission)

Date 03/18/2025

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by LONG VO / Ph: (575) 988-5402 / Approved

Title Petroleum Engineer

Date 03/19/2025

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

Office CARLSBAD

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

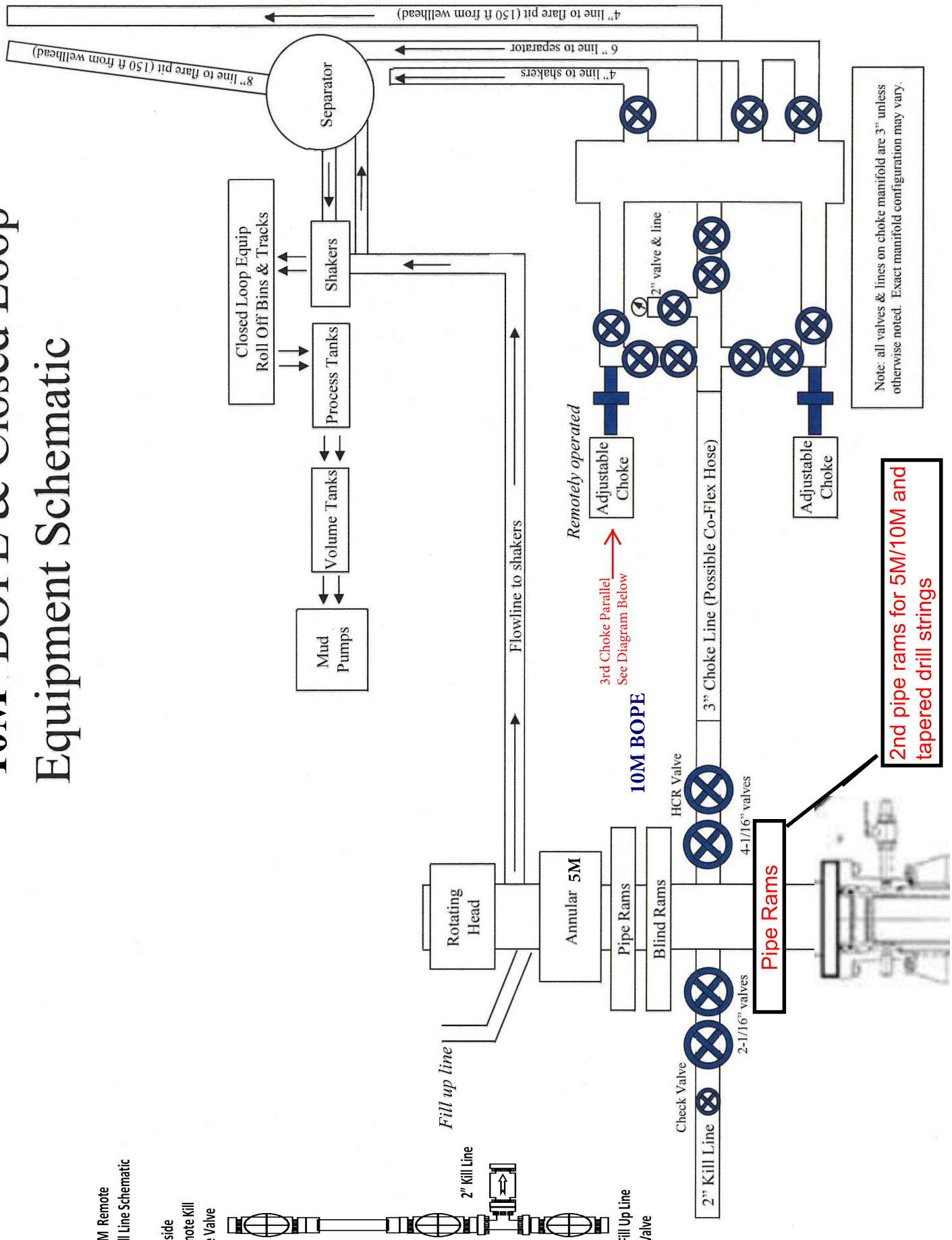
Additional Information

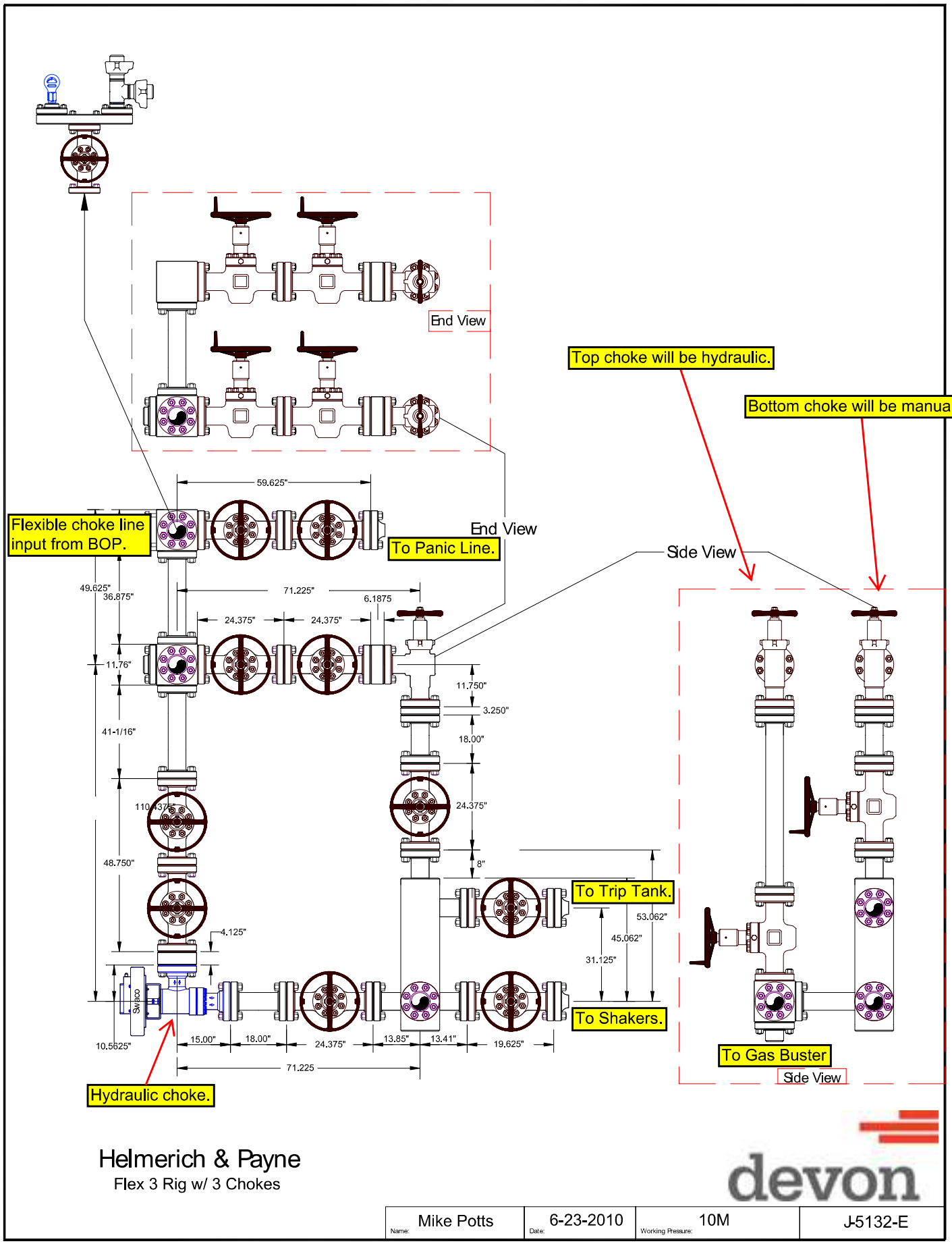
Location of Well

0. SHL: SWNE / 2384 FNL / 1504 FEL / TWSP: 23S / RANGE: 34E / SECTION: 4 / LAT: 32.334357 / LONG: -103.471382 (TVD: 0 feet, MD: 0 feet)

PPP: SENE / 2541 FNL / 1270 FEL / TWSP: 23S / RANGE: 34E / SECTION: 4 / LAT: 32.333925 / LONG: -103.470624 (TVD: 9520 feet, MD: 9548 feet)

BHL: NENE / 20 FNL / 1270 FEL / TWSP: 22S / RANGE: 34E / SECTION: 33 / LAT: 32.355365 / LONG: -103.470597 (TVD: 9900 feet, MD: 17520 feet)


10M BOPE & Closed Loop
Equipment Schematic
8" line to flare pit (150 ft from wellhead)
Separator
4" line to flare pit (150 ft from wellhead)
6 " line to separator
4" line to shakers
Closed Loop Equip
Roll Off Bins & Tracks
Shakers
Process Tanks
Volume Tanks
Mud Pumps
Flowline to shakers
2" valve & line
Remotely operated
Adjustable Choke
Adjustable Choke
3rd Choke Parallel
See Diagram Below
10M BOPE
3" Choke Line (Possible Co-Flex Hose)
Note: all valves & lines on choke manifold are 3" unless otherwise noted. Exact manifold configuration may vary.
HCR Valve
4-1/16" valves
Rotating Head
Annular 5M
Pipe Rams
Blind Rams
Pipe Rams
2nd pipe rams for 5M/10M and tapered drill strings
Fill up line
Check Valve
2-1/16" valves
2" Kill Line
2" Kill Line
Fill Up Line Valve
0M Remote
Kill Line Schematic
utside
emote Kill
ne Valve

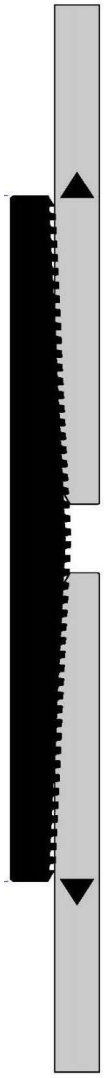

End View
Top choke will be hydraulic.
Bottom choke will be manual.
59.625"
Flexible choke line input from BOP.
End View
To Panic Line.
Side View
49.625"
36.875"
71.225"
6.1875
24.375"
24.375"
11.76"
11.750"
3.250"
41-1/16"
18.00"
24.375"
48.750"
8"
To Trip Tank.
53.062"
45.062"
31.125"
4.125"
To Shakers.
10.5625"
15.00"
18.00"
24.375"
13.85"
13.41"
19.625"
71.225
To Gas Buster
Side View
Hydraulic choke.
Helmerich & Payne
Flex 3 Rig w/ 3 Chokes
devon
Mike Potts
Name:
6-23-2010
Date:
10M
Working Pressure:
J-5132-E

GB tubulars Casings & Connections

GB Connection Performance Properties Sheet

Rev. 0 (06/04/2015)

ENGINEERING THE RIGHT CONNECTIONS™



Casing: 20 OD, 133 ppf
Casing Grade: J-55

Connection: API BC 21.000
Coupling Grade: API K-55

PIPE BODY GEOMETRY					
Nominal OD (in.)	20	Wall Thickness (in.)	0.635	Drift Diameter (in.)	18.543
Nominal Weight (ppf)	133.00	Nominal ID (in.)	18.730	API Alternate Drift Dia. (in.)	N/A
Plain End Weight (ppf)	131.45	Plain End Area (in.^{2})	38.631		

PIPE BODY PERFORMANCE					
Material Specification	J-55	Min. Yield Str. (psi)	55,000	Min. Ultimate Str. (psi)	75,000
Collapse		**Tension**		**Pressure**	
API (psi)	1,500	Pl. End Yield Str. (kips)	2,125	Min. Int. Yield Press. (psi)	3,060
High Collapse (psi)	-	**Torque**		**Bending**	
		Yield Torque (ft-lbs)	959,410	Build Rate to Yield (°/100 ft)	N/A

API BC 21.000 COUPLING GEOMETRY			
Coupling OD (in.)	21.000	Makeup Loss (in.)	4.8125
Coupling Length (in.)	10.625	Critical Cross-Sect. (in.^{2})	N/A

API BC 21.000 CONNECTION PERFORMANCE RATINGS/EFFICIENCIES					
Material Specification	API K-55	Min. Yield Str. (psi)	55,000	Min. Ultimate Str. (psi)	95,000
Tension		**Efficiency**		**Bending**	
Thread Str. (kips)	2,012	Internal Pressure (%)	N/A	Build Rate to Yield (°/100 ft)	N/A
Min. Tension Yield (kips)	N/A	External Pressure (%)	N/A	**Yield Torque**	
Min. Tension Ult. (kips)	N/A	Tension (%)	N/A	Yield Torque (ft-lbs)	N/A
Joint Str. (kips)	2,012	Compression (%)	N/A		

MAKEUP TORQUE					
Min. MU Tq. (ft-lbs)	Per API RP	Max. MU Tq. (ft-lbs)	Per API RP	Running Tq. (ft-lbs)	N/A
				Max. Operating Tq. (ft-lbs)*	N/A

Units: US Customary (lbm, in., °F, lbf)

1 kip = 1,000 lbs

* Pressure rating not published by API 5C3

SeAH

13-3/8" 68# .480" J-55

Dimensions (Nominal)

Outside Diameter	13.375	**in.**
Wall	0.480	**in.**
Inside Diameter	12.415	**in.**
Drift	12.259	**in.**
Weight, T&C	68.000	**lbs/ft**
Weight, PE	66.167	**lbs/ft**

Performance Ratings, Minimum

Collapse, PE	**1950**	**psi**
Internal Yields Pressure		
PE	**3450**	**psi**
STC	**3450**	**PSI**
BTC	**3450**	**psi**
Yield Strength, Pipe Body	**1069**	**1000 lbs**
Joint Strength, STC	**675**	**1000 lbs**
Joint Strength, BTC	**1140**	**1000 lbs**

Note: SeAH Steel has produced this specification sheet for general information only. SeAH does not assume liability or responsibility for any loss or injury resulting from the use of information or data contained herein. All applications for the material described are at the customer's own risk and responsibility.

Devon Energy Annular Preventer Summary

1. Component and Preventer Compatibility Table

The table below, which covers the drilling and casing of the 10M MASP portion of the well, outlines the tubulars and the compatible preventers in use. This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the rating of the annular preventer.

6-3/4" Production hole section, 10M requirement

Component	OD	Preventer	RWP
Drillpipe	4.5"	Fixed lower 4.5" Upper 4.5-7" VBR	10M
HWDP	4.5"	Fixed lower 4.5" Upper 4.5-7" VBR	10M
Drill collars and MWD tools	4.75"	Upper 4.5-7" VBR	10M
Mud Motor	4.75"	Upper 4.5-7" VBR	10M
Production casing	5.5"	Upper 4.5-7" VBR	10M
ALL	0-13-5/8"	Annular	5M
Open-hole	-	Blind Rams	10M

VBR = Variable Bore Ram. Compatible range listed in chart.

2. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. The pressure at which control is swapped from the annular to another compatible ram is variable, but the operator will document in the submission their operating pressure limit. The operator may chose an operating pressure less than or equal to RWP, but in no case will it exceed the RWP of the annular preventer.

General Procedure While Drilling

1. Sound alarm (alert crew)
2. Space out drill string
3. Shut down pumps (stop pumps and rotary)
4. Shut-in Well (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to the upper pipe ram.

Devon Energy Annular Preventer Summary

General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full opening safety valve and close
3. Space out drill string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to the upper pipe ram.

General Procedure While Running Casing

1. Sound alarm (alert crew)
2. Stab crossover and full opening safety valve and close
3. Space out string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to compatible pipe ram.

General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams or BSR. (HCR and choke will already be in the closed position.)
3. Confirm shut-in
4. Notify toolpusher/company representative
5. Read and record the following:
    a. SICP
    b. Pit gain
    c. Time
6. Regroup and identify forward plan

Devon Energy Annular Preventer Summary

General Procedures While Pulling BHA thru Stack

1. PRIOR to pulling last joint of drillpipe thru the stack.
    a. Perform flowcheck, if flowing:
    b. Sound alarm (alert crew)
    c. Stab full opening safety valve and close
    d. Space out drill string with tool joint just beneath the upper pipe ram.
    e. Shut-in using upper pipe ram. (HCR and choke will already be in the closed position.)
    f. Confirm shut-in
    g. Notify toolpusher/company representative
    h. Read and record the following:
        i. SIDPP and SICP
        ii. Pit gain
        iii. Time
    i. Regroup and identify forward plan

2. With BHA in the stack and compatible ram preventer and pipe combo immediately available.
    a. Sound alarm (alert crew)
    b. Stab crossover and full opening safety valve and close
    c. Space out drill string with upset just beneath the compatible pipe ram.
    d. Shut-in using compatible pipe ram. (HCR and choke will already be in the closed position.)
    e. Confirm shut-in
    f. Notify toolpusher/company representative
    g. Read and record the following:
        i. SIDPP and SICP
        ii. Pit gain
        iii. Time
    h. Regroup and identify forward plan

3. With BHA in the stack and NO compatible ram preventer and pipe combo immediately available.
    a. Sound alarm (alert crew)
    b. If possible to pick up high enough, pull string clear of the stack and follow “Open Hole” scenario.
    c. If impossible to pick up high enough to pull the string clear of the stack:
    d. Stab crossover, make up one joint/stand of drillpipe, and full opening safety valve and close
    e. Space out drill string with tooljoint just beneath the upper pipe ram.
    f. Shut-in using upper pipe ram. (HCR and choke will already be in the closed position.)
    g. Confirm shut-in
    h. Notify toolpusher/company representative
    i. Read and record the following:
        i. SIDPP and SICP
        ii. Pit gain
        iii. Time
    j. Regroup and identify forward plan

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
	97922	WC-025 G-06 S223421L; BONE SPRING
Property Code	**Property Name**	**Well Number**
	RIO BLANCO 4-33 FEDERAL COM	105H
OGRID No.	**Operator Name**	**Ground Level Elevation**
6137	DEVON ENERGY PRODUCTION COMPANY, L.P.	3400.9'

Surface Owner: ☐State ☐Fee ☐Tribal ☒Federal | Mineral Owner: ☐State ☐Fee ☐Tribal ☒Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	4	23-S	34-E		2384' N	1504' E	32.334357	103.471382	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	33	22-S	34-E		20' N	1670' E	32.355364	103.471892	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
240.01	Infill	30-025-44830	N	C
Order Numbers	NMNM 140035		Well setbacks are under Common Ownership: ☐Yes ☒No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	4	23-S	34-E		2591' N	1670' E	32.333787	103.471919	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	4	23-S	34-E		2541' N	1670' E	32.333925	103.471919	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	33	22-S	34-E		100' N	1670' E	32.355144	103.471892	LEA

	Spacing Unit Type Horizontal Vertical	Ground Floor Elevation:
	HZ	

OPERATOR CERTIFICATIONS

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

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

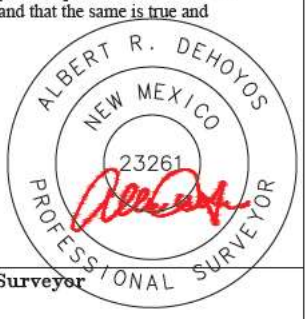
Signature: Rebecca Deal Date: 3/18/2025

Printed Name: Rebecca Deal, Regulatory Analyst

Email Address: rebecca.deal@dvn.com

SURVEYOR CERTIFICATIONS

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



Signature and Seal of Professional Surveyor

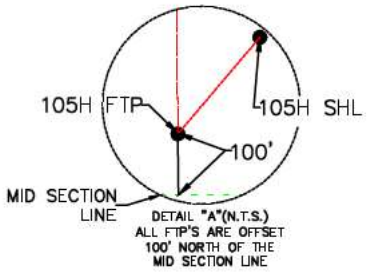
Certificate Number	Date of Survey
23261	09/2023

ACREAGE DEDICATION PLATS

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

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

SURFACE HOLE LOCATION GEODETIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION 2384' FNL 1504' FEL SECTION 4 EL: 3400.9' N:486442.13/E:807562.28 LAT:32.334357/LON:103.471382
KICK OFF POINT 2591' FNL 1670' FEL SECTION 4 N:486233.64/E:807398.15 LAT:32.333787/LON:103.471919
FIRST TAKE POINT 2541' FNL 1670' FEL SECTION 4 N:486283.64/E:807397.69 LAT:32.333925/LON:103.471919
LAST TAKE POINT 100' FNL 1670' FEL SECTION 33 N:494003.55/E:807343.91 LAT:32.355144/LON:103.471892
BOTTOM HOLE LOCATION 20' FNL 1670' FEL SECTION 33 N:494083.54/E:807343.42 LAT:32.355364/LON:103.471892
PPP 2 0' FSL 1667' FEL SECTION 33 N:488824.95/E:807379.99 LAT:32.340910/LON:103.471910
PPP 3 1320' FSL 1666' FEL SECTION 33 N:490144.87/E:807370.79 LAT:32.344538/LON:103.471906



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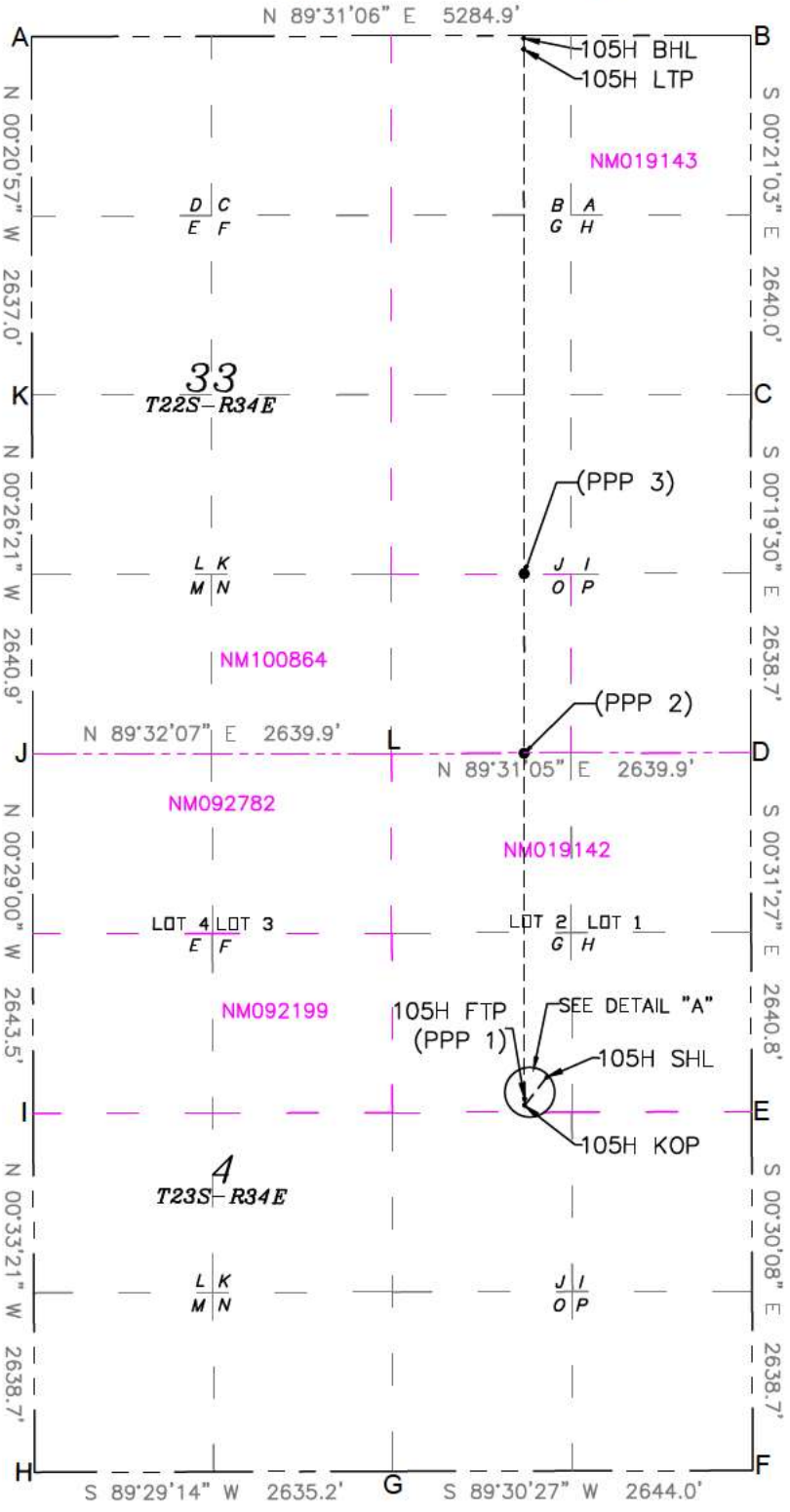
J=N:488795.34 E:803764.80
K=N:491436.21 E:803744.57
L=N:488816.75 E:806404.60



RIO BLANCO 4-33 FED COM 105H

1. Geologic Formations

TVD of target	9900	Pilot hole depth	N/A
MD at TD:	17524	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	2370		
Salt	2700		
Base of Salt	4965		
Delaware	5130		
Cherry Canyon	6000		
Brushy Canyon	7110		
1st Bone Spring Lime	8455		
Bone Spring 1st	9520		
2BSSS	10040		
3BSSS	10940		
Wolfcamp	11295		
Strawn	11800		
Atoka	12175		
Morrow	12745		
Barnett	13785		
Miss	13975		
Woodford	14415		

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

RIO BLANCO 4-33 FED COM 105H

2. Casing Program

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Casing Interval		Casing Interval	
					From (MD)	To (MD)	From (TVD)	To (TVD)
26	20	133	J-55	BTC	0	2395	0	2395
17 1/2	13 3/8	68	J-55	BTC	0	5100	0	5100
12 1/4	9 5/8	40	P110	BTC	0	11850	0	11800
8 3/4	**5 1/2**	**17**	**P110**	**BTC**	**0**	**17524**	0	9900

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

RIO BLANCO 4-33 FED COM 105H

3. Cementing Program (4-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	3863	Surf	13.2	1.4	Lead: Class C Cement + additives
Int 1	1421	Surf	9.0	3.3	Lead: Class C Cement + additives
	332	4565	13.2	1.4	Tail: Class H / C + additives
Int 2	1119	Surf	9.0	3.3	Lead: Class H / V Cement + additives
	660	9440	13.2	1.4	Tail: Class H / C + additives
Production	408	4565	9.0	3.3	Lead: Class H /C + additives
	1578	9348	13.2	1.4	Tail: Class H / C + additives

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

Cement Excess	
Surface	50%
Intermediate 1 and Intermediate 2	25%
Production	10%

RIO BLANCO 4-33 FED COM 105H

4. Pressure Control Equipment (4 String Design)

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
Intermediate 1	Diverter	3M	Annular	X	100% of rated working pressure
			Blind Ram		
			Pipe Ram		
			Double Ram		
			Other*		
Intermediate 2	13-5/8"	10M	Annular	X	100% of rated working pressure
			Blind Ram	X	10M
			Pipe Ram		
			Double Ram	X	
			Other*		
Production	13-5/8"	5M	Annular (5M)	X	50% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		

5. 8-3/4" Pilot Hole and Plugging Program

1) 8-3/4" Pilot hole from 11850-14650
2) Pilot hole will be plugged back per NMOCD P&A requirements with a cement plug
3) All cement will be 100ft in length +10% per 1000ft of TVD
4) Plug depths will be verified and tagged in the plug back (min 6hr wait time)
5) Devon will contact the NMOCD and give notice before performing any of the aforementioned procedures including the tagging of cement
6) Whip stock will be set around 9,000ft

Cement Plugs	Hole Size	# Sks	Depth	Wt. (lb/gal)	Water (gal/sx)	Yld (ft3/sack)	Slurry Description
Wolfcamp, Strawn	8-3/4"	333	11132-11900	15.6	5.24	1.06	Class H + additives
Atoka, Morrow	8-3/4"	365	11953-12795	15.6	5.24	1.06	Class H + additives
Barnett, Miss, Woodford	8-3/4"	375	13785-TD (14650)	15.6	5.24	1.06	Class H + additives

RIO BLANCO 4-33 FED COM 105H

6. Mud Program (4 String Design)

Section	Type	Weight (ppg)
Surface	FW Gel	8.5-9
Intermediate I & II	Cut Brine to Brine	10-10.5
Production	WBM	8.5-9
Pilot	WBM	12-14

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

7. Logging and Testing Procedures

Logging, Coring and Testing	
X	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the Completion Report and sbumitted to the BLM.
	Logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain.
X	Coring? If yes, explain.

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

8. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	4633
Abnormal temperature	No

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

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

9. Other facets of operation

Is this a walking operation? Potentially

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

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

Will be pre-setting casing? Potentially

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

Attachments

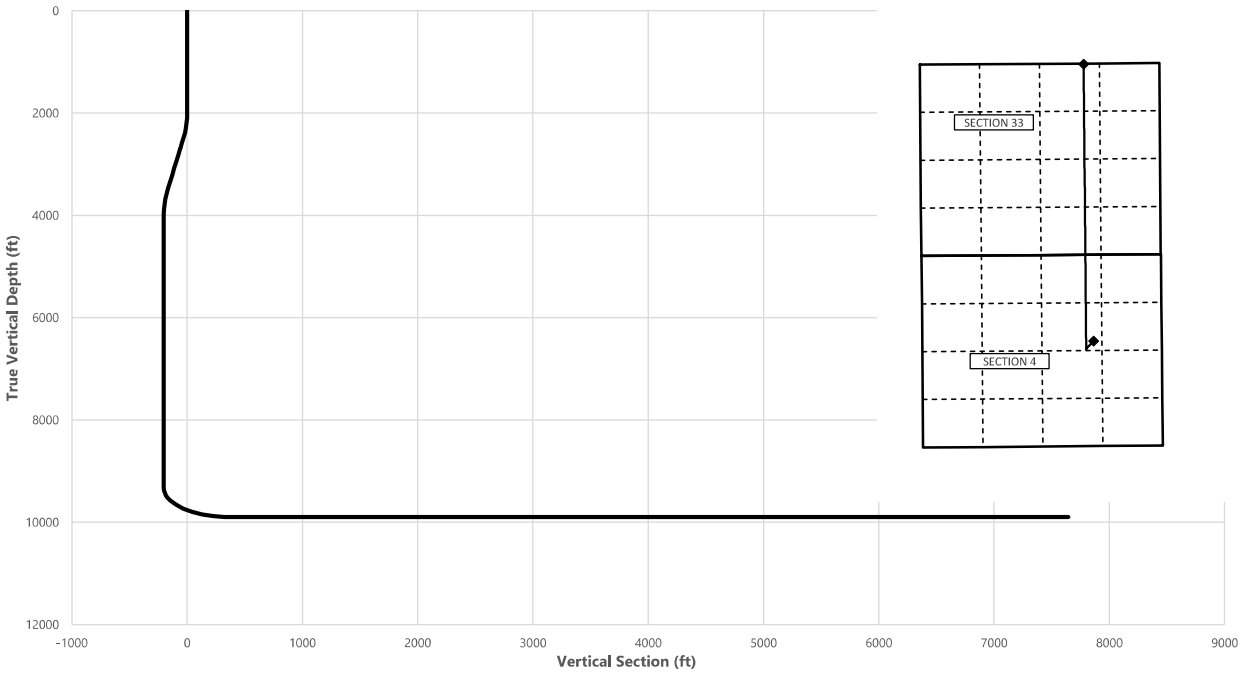
X Directional Plan
____ Other, describe

devon

Well: RIO BLANCO 4-33 FED COM 105H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
2000.00	0.00	218.22	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	218.22	2497.47	-34.19	-26.93	-33.41	2.00	Hold Tangent
3524.11	10.00	218.22	3506.01	-173.91	-136.95	-169.92	0.00	Drop to Vertical
4024.11	0.00	218.22	4003.48	-208.10	-163.88	-203.32	2.00	Hold Vertical
9347.67	0.00	359.60	9327.04	-208.10	-163.88	-203.32	0.00	KOP
10247.67	90.00	359.60	9900.00	364.84	-167.89	369.50	10.00	Landing Point
17524.42	90.00	359.60	9900.00	7641.41	-218.86	7644.54	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	2371.04	2370.00
Salt	2705.66	2700.00
Base of Salt	4985.63	4965.00
Delaware	5150.63	5130.00
Cherry Canyon	6020.63	6000.00
Brushy Canyon	7130.63	7110.00
1st Bone Spring Lime	8475.63	8455.00
Bone Spring 1st / Point of Penetratic	9544.47	9520.00
exit	17444.42	9900.01

	MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
SHL	0.00	0.00	32.3343	-103.4713	2384' FNL, 1504' FEL of Sec 4 in T23S, R34E
KOP	9347.67	9327.04	32.3337	-103.4719	2591' FNL, 1670' FEL of Sec 4 in T22S, R34E
Point of Penetration	9544.47	9520.00	32.3339	-103.4719	2541' FNL , 1670' FEL of Sec 4 in T22S, R34E
Exit	17444.42	9900.01	32.3551	-103.4719	100' FNL, 1670' FEL of Sec 33 in T23S, R34E
BHL	17524.42	9900.00	32.3553	-103.4718	20' FNL, 1670' FEL of Sec 33 in T23S, R34E

	Y	X	MD
KOP	**486234**	**807398**	9347.67

devon

Well: RIO BLANCO 4-33 FED COM 105H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	218.22	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	218.22	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	218.22	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	218.22	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	218.22	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	218.22	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	218.22	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	218.22	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	218.22	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	218.22	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	218.22	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	218.22	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	218.22	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	218.22	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	218.22	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	218.22	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	218.22	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	218.22	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	218.22	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	218.22	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	218.22	2099.98	-1.37	-1.08	-1.34	2.00	
2200.00	4.00	218.22	2199.84	-5.48	-4.32	-5.36	2.00	
2300.00	6.00	218.22	2299.45	-12.33	-9.71	-12.05	2.00	
2371.04	7.42	218.22	2370.00	-18.85	-14.84	-18.42	2.00	Rustler
2400.00	8.00	218.22	2398.70	-21.90	-17.25	-21.40	2.00	
2500.00	10.00	218.22	2497.47	-34.19	-26.93	-33.41	2.00	Hold Tangent
2600.00	10.00	218.22	2595.95	-47.84	-37.67	-46.74	0.00	
2700.00	10.00	218.22	2694.43	-61.48	-48.41	-60.07	0.00	
2705.66	10.00	218.22	2700.00	-62.25	-49.02	-60.82	0.00	Salt
2800.00	10.00	218.22	2792.91	-75.12	-59.16	-73.40	0.00	
2900.00	10.00	218.22	2891.39	-88.76	-69.90	-86.73	0.00	
3000.00	10.00	218.22	2989.87	-102.41	-80.64	-100.05	0.00	
3100.00	10.00	218.22	3088.35	-116.05	-91.39	-113.38	0.00	
3200.00	10.00	218.22	3186.83	-129.69	-102.13	-126.71	0.00	
3300.00	10.00	218.22	3285.31	-143.33	-112.87	-140.04	0.00	
3400.00	10.00	218.22	3383.79	-156.98	-123.62	-153.37	0.00	
3500.00	10.00	218.22	3482.27	-170.62	-134.36	-166.70	0.00	
3524.11	10.00	218.22	3506.01	-173.91	-136.95	-169.92	0.00	Drop to Vertical
3600.00	8.48	218.22	3580.92	-183.48	-144.49	-179.27	2.00	
3700.00	6.48	218.22	3680.06	-193.71	-152.55	-189.26	2.00	
3800.00	4.48	218.22	3779.60	-201.22	-158.46	-196.60	2.00	
3900.00	2.48	218.22	3879.41	-205.99	-162.21	-201.26	2.00	
4000.00	0.48	218.22	3979.37	-208.02	-163.81	-203.25	2.00	
4024.11	0.00	218.22	4003.48	-208.10	-163.88	-203.32	2.00	Hold Vertical
4100.00	0.00	359.60	4079.37	-208.10	-163.88	-203.32	0.00	
4200.00	0.00	359.60	4179.37	-208.10	-163.88	-203.32	0.00	
4300.00	0.00	359.60	4279.37	-208.10	-163.88	-203.32	0.00	
4400.00	0.00	359.60	4379.37	-208.10	-163.88	-203.32	0.00	
4500.00	0.00	359.60	4479.37	-208.10	-163.88	-203.32	0.00	
4600.00	0.00	359.60	4579.37	-208.10	-163.88	-203.32	0.00	
4700.00	0.00	359.60	4679.37	-208.10	-163.88	-203.32	0.00	
4800.00	0.00	359.60	4779.37	-208.10	-163.88	-203.32	0.00	
4900.00	0.00	359.60	4879.37	-208.10	-163.88	-203.32	0.00	
4985.63	0.00	359.60	4965.00	-208.10	-163.88	-203.32	0.00	Base of Salt
5000.00	0.00	359.60	4979.37	-208.10	-163.88	-203.32	0.00	
5100.00	0.00	359.60	5079.37	-208.10	-163.88	-203.32	0.00	
5150.63	0.00	359.60	5130.00	-208.10	-163.88	-203.32	0.00	Delaware
5200.00	0.00	359.60	5179.37	-208.10	-163.88	-203.32	0.00	
5300.00	0.00	359.60	5279.37	-208.10	-163.88	-203.32	0.00	
5400.00	0.00	359.60	5379.37	-208.10	-163.88	-203.32	0.00	
5500.00	0.00	359.60	5479.37	-208.10	-163.88	-203.32	0.00	
5600.00	0.00	359.60	5579.37	-208.10	-163.88	-203.32	0.00	
5700.00	0.00	359.60	5679.37	-208.10	-163.88	-203.32	0.00	
5800.00	0.00	359.60	5779.37	-208.10	-163.88	-203.32	0.00	
5900.00	0.00	359.60	5879.37	-208.10	-163.88	-203.32	0.00	
6000.00	0.00	359.60	5979.37	-208.10	-163.88	-203.32	0.00	
6020.63	0.00	359.60	6000.00	-208.10	-163.88	-203.32	0.00	Cherry Canyon
6100.00	0.00	359.60	6079.37	-208.10	-163.88	-203.32	0.00	
6200.00	0.00	359.60	6179.37	-208.10	-163.88	-203.32	0.00	

devon

Well: RIO BLANCO 4-33 FED COM 105H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6300.00	0.00	359.60	6279.37	-208.10	-163.88	-203.32	0.00	
6400.00	0.00	359.60	6379.37	-208.10	-163.88	-203.32	0.00	
6500.00	0.00	359.60	6479.37	-208.10	-163.88	-203.32	0.00	
6600.00	0.00	359.60	6579.37	-208.10	-163.88	-203.32	0.00	
6700.00	0.00	359.60	6679.37	-208.10	-163.88	-203.32	0.00	
6800.00	0.00	359.60	6779.37	-208.10	-163.88	-203.32	0.00	
6900.00	0.00	359.60	6879.37	-208.10	-163.88	-203.32	0.00	
7000.00	0.00	359.60	6979.37	-208.10	-163.88	-203.32	0.00	
7100.00	0.00	359.60	7079.37	-208.10	-163.88	-203.32	0.00	
7130.63	0.00	359.60	7110.00	-208.10	-163.88	-203.32	0.00	Brushy Canyon
7200.00	0.00	359.60	7179.37	-208.10	-163.88	-203.32	0.00	
7300.00	0.00	359.60	7279.37	-208.10	-163.88	-203.32	0.00	
7400.00	0.00	359.60	7379.37	-208.10	-163.88	-203.32	0.00	
7500.00	0.00	359.60	7479.37	-208.10	-163.88	-203.32	0.00	
7600.00	0.00	359.60	7579.37	-208.10	-163.88	-203.32	0.00	
7700.00	0.00	359.60	7679.37	-208.10	-163.88	-203.32	0.00	
7800.00	0.00	359.60	7779.37	-208.10	-163.88	-203.32	0.00	
7900.00	0.00	359.60	7879.37	-208.10	-163.88	-203.32	0.00	
8000.00	0.00	359.60	7979.37	-208.10	-163.88	-203.32	0.00	
8100.00	0.00	359.60	8079.37	-208.10	-163.88	-203.32	0.00	
8200.00	0.00	359.60	8179.37	-208.10	-163.88	-203.32	0.00	
8300.00	0.00	359.60	8279.37	-208.10	-163.88	-203.32	0.00	
8400.00	0.00	359.60	8379.37	-208.10	-163.88	-203.32	0.00	
8475.63	0.00	359.60	8455.00	-208.10	-163.88	-203.32	0.00	1st Bone Spring Lime
8500.00	0.00	359.60	8479.37	-208.10	-163.88	-203.32	0.00	
8600.00	0.00	359.60	8579.37	-208.10	-163.88	-203.32	0.00	
8700.00	0.00	359.60	8679.37	-208.10	-163.88	-203.32	0.00	
8800.00	0.00	359.60	8779.37	-208.10	-163.88	-203.32	0.00	
8900.00	0.00	359.60	8879.37	-208.10	-163.88	-203.32	0.00	
9000.00	0.00	359.60	8979.37	-208.10	-163.88	-203.32	0.00	
9100.00	0.00	359.60	9079.37	-208.10	-163.88	-203.32	0.00	
9200.00	0.00	359.60	9179.37	-208.10	-163.88	-203.32	0.00	
9300.00	0.00	359.60	9279.37	-208.10	-163.88	-203.32	0.00	
9347.67	0.00	359.60	9327.04	-208.10	-163.88	-203.32	0.00	KOP
9400.00	5.23	359.60	9379.30	-205.71	-163.89	-200.94	10.00	
9500.00	15.23	359.60	9477.58	-187.97	-164.02	-183.20	10.00	
9544.47	19.68	359.60	9520.00	-174.63	-164.11	-169.86	10.00	Bone Spring 1st / Point of Penetration
9600.00	25.23	359.60	9571.29	-153.43	-164.26	-148.67	10.00	
9700.00	35.23	359.60	9657.58	-103.14	-164.61	-98.39	10.00	
9800.00	45.23	359.60	9733.83	-38.64	-165.06	-33.90	10.00	
9900.00	55.23	359.60	9797.71	38.13	-165.60	42.85	10.00	
10000.00	65.23	359.60	9847.30	124.82	-166.21	129.53	10.00	
10100.00	75.23	359.60	9881.08	218.81	-166.87	223.49	10.00	
10200.00	85.23	359.60	9898.02	317.23	-167.56	321.90	10.00	
10247.67	90.00	359.60	9900.00	364.84	-167.89	369.50	10.00	Landing Point
10300.00	90.00	359.60	9900.00	417.17	-168.26	421.82	0.00	
10400.00	90.00	359.60	9900.00	517.17	-168.96	521.80	0.00	
10500.00	90.00	359.60	9900.00	617.17	-169.66	621.77	0.00	
10600.00	90.00	359.60	9900.00	717.16	-170.36	721.75	0.00	
10700.00	90.00	359.60	9900.00	817.16	-171.06	821.72	0.00	
10800.00	90.00	359.60	9900.00	917.16	-171.76	921.70	0.00	
10900.00	90.00	359.60	9900.00	1017.16	-172.46	1021.68	0.00	
11000.00	90.00	359.60	9900.00	1117.15	-173.16	1121.65	0.00	
11100.00	90.00	359.60	9900.00	1217.15	-173.86	1221.63	0.00	
11200.00	90.00	359.60	9900.00	1317.15	-174.57	1321.61	0.00	
11300.00	90.00	359.60	9900.00	1417.15	-175.27	1421.58	0.00	
11400.00	90.00	359.60	9900.00	1517.15	-175.97	1521.56	0.00	
11500.00	90.00	359.60	9900.00	1617.14	-176.67	1621.54	0.00	
11600.00	90.00	359.60	9900.00	1717.14	-177.37	1721.51	0.00	
11700.00	90.00	359.60	9900.00	1817.14	-178.07	1821.49	0.00	
11800.00	90.00	359.60	9900.00	1917.14	-178.77	1921.47	0.00	
11900.00	90.00	359.60	9900.00	2017.13	-179.47	2021.44	0.00	
12000.00	90.00	359.60	9900.00	2117.13	-180.17	2121.42	0.00	
12100.00	90.00	359.60	9900.00	2217.13	-180.87	2221.40	0.00	
12200.00	90.00	359.60	9900.00	2317.13	-181.58	2321.37	0.00	
12300.00	90.00	359.60	9900.00	2417.12	-182.28	2421.35	0.00	
12400.00	90.00	359.60	9900.00	2517.12	-182.98	2521.33	0.00	
12500.00	90.00	359.60	9900.00	2617.12	-183.68	2621.30	0.00	
12600.00	90.00	359.60	9900.00	2717.12	-184.38	2721.28	0.00	
12700.00	90.00	359.60	9900.00	2817.11	-185.08	2821.26	0.00	

devon

Well: RIO BLANCO 4-33 FED COM 105H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
12800.00	90.00	359.60	9900.00	2917.11	-185.78	2921.23	0.00	
12900.00	90.00	359.60	9900.00	3017.11	-186.48	3021.21	0.00	
13000.00	90.00	359.60	9900.00	3117.11	-187.18	3121.19	0.00	
13100.00	90.00	359.60	9900.00	3217.10	-187.88	3221.16	0.00	
13200.00	90.00	359.60	9900.00	3317.10	-188.59	3321.14	0.00	
13300.00	90.00	359.60	9900.00	3417.10	-189.29	3421.12	0.00	
13400.00	90.00	359.60	9900.00	3517.10	-189.99	3521.09	0.00	
13500.00	90.00	359.60	9900.00	3617.09	-190.69	3621.07	0.00	
13600.00	90.00	359.60	9900.01	3717.09	-191.39	3721.05	0.00	
13700.00	90.00	359.60	9900.01	3817.09	-192.09	3821.02	0.00	
13800.00	90.00	359.60	9900.01	3917.09	-192.79	3921.00	0.00	
13900.00	90.00	359.60	9900.01	4017.08	-193.49	4020.98	0.00	
14000.00	90.00	359.60	9900.01	4117.08	-194.19	4120.95	0.00	
14100.00	90.00	359.60	9900.01	4217.08	-194.89	4220.93	0.00	
14200.00	90.00	359.60	9900.01	4317.08	-195.59	4320.91	0.00	
14300.00	90.00	359.60	9900.01	4417.07	-196.30	4420.88	0.00	
14400.00	90.00	359.60	9900.01	4517.07	-197.00	4520.86	0.00	
14500.00	90.00	359.60	9900.01	4617.07	-197.70	4620.84	0.00	
14600.00	90.00	359.60	9900.01	4717.07	-198.40	4720.81	0.00	
14700.00	90.00	359.60	9900.01	4817.06	-199.10	4820.79	0.00	
14800.00	90.00	359.60	9900.01	4917.06	-199.80	4920.77	0.00	
14900.00	90.00	359.60	9900.01	5017.06	-200.50	5020.74	0.00	
15000.00	90.00	359.60	9900.01	5117.06	-201.20	5120.72	0.00	
15100.00	90.00	359.60	9900.01	5217.05	-201.90	5220.70	0.00	
15200.00	90.00	359.60	9900.01	5317.05	-202.60	5320.67	0.00	
15300.00	90.00	359.60	9900.01	5417.05	-203.31	5420.65	0.00	
15400.00	90.00	359.60	9900.01	5517.05	-204.01	5520.63	0.00	
15500.00	90.00	359.60	9900.01	5617.04	-204.71	5620.60	0.00	
15600.00	90.00	359.60	9900.01	5717.04	-205.41	5720.58	0.00	
15700.00	90.00	359.60	9900.01	5817.04	-206.11	5820.56	0.00	
15800.00	90.00	359.60	9900.01	5917.04	-206.81	5920.53	0.00	
15900.00	90.00	359.60	9900.01	6017.03	-207.51	6020.51	0.00	
16000.00	90.00	359.60	9900.01	6117.03	-208.21	6120.49	0.00	
16100.00	90.00	359.60	9900.01	6217.03	-208.91	6220.46	0.00	
16200.00	90.00	359.60	9900.01	6317.03	-209.61	6320.44	0.00	
16300.00	90.00	359.60	9900.01	6417.02	-210.32	6420.42	0.00	
16400.00	90.00	359.60	9900.01	6517.02	-211.02	6520.39	0.00	
16500.00	90.00	359.60	9900.01	6617.02	-211.72	6620.37	0.00	
16600.00	90.00	359.60	9900.01	6717.02	-212.42	6720.35	0.00	
16700.00	90.00	359.60	9900.01	6817.01	-213.12	6820.32	0.00	
16800.00	90.00	359.60	9900.01	6917.01	-213.82	6920.30	0.00	
16900.00	90.00	359.60	9900.01	7017.01	-214.52	7020.28	0.00	
17000.00	90.00	359.60	9900.01	7117.01	-215.22	7120.25	0.00	
17100.00	90.00	359.60	9900.01	7217.01	-215.92	7220.23	0.00	
17200.00	90.00	359.60	9900.01	7317.00	-216.62	7320.21	0.00	
17300.00	90.00	359.60	9900.01	7417.00	-217.33	7420.18	0.00	
17400.00	90.00	359.60	9900.01	7517.00	-218.03	7520.16	0.00	
17444.42	90.00	359.60	9900.01	7561.41	-218.34	7564.56	0.00	exit
17500.00	90.00	359.60	9900.01	7617.00	-218.73	7620.14	0.00	
17524.42	90.00	359.60	9900.00	7641.41	-218.86	7644.54	0.00	BHL

Well Name: RIO BLANCO 4-33 FED COM

Well Location: T23S / R34E / SEC 4 / SWNE / 32.334357 / -103.471382

County or Parish/State: LEA / NM

Well Number: 105H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM19142

Unit or CA Name: RIO BLANCO 4-33 FED COM 5H

Unit or CA Number: NMNM140034

US Well Number: 3002554249

Operator: DEVON ENERGY PRODUCTION COMPANY LP

LONG VO Digitally signed by LONG VO Date: 2025.03.19 14:32:22 -05'00'

Notice of Intent

Sundry ID: 2842150

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 03/18/2025

Time Sundry Submitted: 10:16

Date proposed operation will begin: 03/18/2025

Procedure Description: Devon Energy Production Company, L.P. respectfully requests the following changes to the approved APD: BHL change from 20 FNL & 1270 FEL to 20 FNL & 1670 FEL, both 33-22S-34E. TVD/MD change from 9900'/17,520' to 9900'/17,524' 8-3/4" Pilot Hole and Plugging Program – please see attached drill plan Casing program change to accommodate pilot hole: Surface, Intermediate, & Production casing changes. Cement volume changes to accommodate casing change. Please see attached revised C-102, and drilling & directional plans and supporting documentation.

NOI Attachments

Procedure Description

10M_BOPE_CHK_DR_CLS_RKL_20250318101353.pdf

PPS_20000od_13300ppf_J55_API_BC_21.000_Rev_0_06042015_20250318101351.pdf

13.375_68.00_J55_20250318101350.pdf

Annular_Variance___Preventer_Summary_20250318101349.pdf

RIO_BLANCO_4_33_FEDERAL_COM_105H_C_102_BHL_NOI_20250318100615.pdf

RIO_BLANCO_4_33_FED_COM_105H_3_18_20250318100617.pdf

RIO_BLANCO_4_33_FED_COM_105H_Directional_Plan_03_18_25_20250318100614.pdf

Well Name: RIO BLANCO 4-33 FED COM

Well Location: T23S / R34E / SEC 4 / SWNE / 32.334357 / -103.471382

County or Parish/State: LEA / NM

Well Number: 105H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM19142

Unit or CA Name: RIO BLANCO 4-33 FED COM 5H

Unit or CA Number: NMNM140034

US Well Number: 3002554249

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: REBECCA DEAL

Signed on: MAR 18, 2025 10:14 AM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Professional

Street Address: 333 W SHERIDAN AVE

City: OKLAHOMA CITY **State:** OK

Phone: (405) 228-8429

Email address: REBECCA.DEAL@DVN.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

APPROVED by Long Vo
Petroleum Engineer
Carlsbad Field Office
575-988-50402
LVO@BLM.GOV

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Devon Energy Production Company LP**
LOCATION:	Section 4, T.23 S., R.34 E., NMPM
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	**Rio Blanco 4-33 Fed Com 105H**
ATS/API ID:	**3002554249**
APD ID:	**10400095593**
Sundry ID:	**2842150**

COA

H2S	Yes		
Potash		None	
Cave/Karst Potential	High		
Cave/Karst Potential	☐ Critical		
Variance	◉ None	◉ Flex Hose	◉ Other
Wellhead	Diverter		
Other	☑ 4 String ☐ 5 String	Capitan Reef: None	☐ WIPP
Other	Pilot Hole: Int 2	☐ Open Annulus	
Cementing	Contingency Squeeze: None	Echo-Meter: None	Primary Cement Squeeze: None
Special Requirements	☐ Water Disposal/Injection	☑ COM	☐ Unit
Special Requirements	☐ Batch Sundry	Waste Prevention: None	
Special Requirements Variance	☐ BOPE Break Testing ☐ Offline BOPE Testing	☐ Offline Cementing	☐ Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet **43 CFR part 3170 Subpart 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **20** inch surface casing shall be set at approximately **2200 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **26** inch in diameter.

    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 **13-3/8** inch intermediate casing is:

    Option 1 (Single Stage):

    - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

    Option 2:

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

DV tool(s) shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe. Operator shall contact the BLM if DV tool(s) depth cannot be set in this range. If an ECP is used, it is to be set a minimum of 50' below the shoe to provide cement across the shoe. If it cannot be set below the shoe, a CBL shall be run to verify cement coverage.

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

b. Second stage above DV tool(s):

- Cement to surface. If cement does not circulate, contact the appropriate BLM office.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

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

3. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

Option 1 (Single Stage):

- Cement should tie-back at least **500 feet** into the previous casing string. Operator shall provide method of verification.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

Option 2:

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

DV tool(s) shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe. Operator shall contact the BLM if DV tool(s) depth cannot be set in this range. If an ECP is used, it is to be set a minimum of 50' below the shoe to provide cement across the shoe. If it cannot be set below the shoe, a CBL shall be run to verify cement coverage.

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

d. Second stage above DV tool(s):

- Cement should tie-back at least **500 feet** into the previous casing string. Operator shall provide method of verification.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

Pilot Hole:

The pilot hole plugging procedure is approved as written. Note plug tops on subsequent drilling report. The BLM is to be contacted 24 hours prior to the commencement of any plugging operations **(575-689-5981 Lea County)** and when tagging the plugs.

❖ Mud Requirement: Mud shall be placed between all or below plugs. Minimum consistency of plugging mud shall be obtained by mixing at a rate of 25 sacks (50 pounds each) of gel per 100 barrels of **fresh** water. Minimum nine (9) pounds per gallon.

❖ Cement requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours for Class C or accelerated cement (calcium chloride) and 6 hours for Class H. Tagging the plug means running in the hole with a string of tubing or drill pipe and placing sufficient weight on the plug to ensure its integrity. Other methods of tagging the plug may be approved by the BLM authorized officer or BLM field representative.

❖ Subsequent Plugging Reporting: Within 30 days after plugging work is completed to the BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date pilot hole was plugged and tagged.**

4. The minimum required fill of cement behind the **5-1/2** inch production casing is:

   - Cement should tie-back at least **500 feet** into the previous casing string. Operator shall provide method of verification.
     Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

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 tested to **2000 (2M)** psi. A Diverter system is approved as a variance to drill the **13-3/8** inch intermediate casing section in a **17-1/2** inch hole. Annular shall be tested to **2000 (2M)** psi.

b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **13-3/8** inch intermediate casing shoe shall be **10,000 (10M)** psi. **Annular which shall be tested to 5000 (5M) psi.**

c. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** inch intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be tested to **2000 (2M)** psi. A Diverter system is approved as a variance to drill the **13-3/8** inch intermediate casing section in a **17-1/2** inch hole. Annular shall be tested to **2000 (2M)** psi.

b. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch intermediate casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 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 43 CFR 3172.6(b)(9) must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in **43 CFR part 3170 Subpart 3171**
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

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)

☑ Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981

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 **43 CFR part 3170 Subpart 3172** 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.

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 of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity 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 integrity 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 **43 CFR part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.

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 43 CFR 3172.6(b)(9) 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 cement), 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 cement plug. The BOPE test can be

initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** 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 8 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 **43 CFR part 3170 Subpart 3172**.

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.

Long Vo (LVO) 3/19/2025

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMNM19142

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No. RIO BLANCO 4-33 FED COM 5H/NMNM140034

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No. RIO BLANCO 4-33 FED COM/105H

2. Name of Operator DEVON ENERGY PRODUCTION COMPANY LP

9. API Well No. 3002554249

3a. Address 333 WEST SHERIDAN AVE, OKLAHOMA CITY, OK 73102

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

10. Field and Pool or Exploratory Area WC-025 G-06 S223421L/BONE SPRING

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 4/T23S/R34E/NMP

11. Country or Parish, State LEA/NM

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

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

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

Devon Energy Production Company, L.P. respectfully requests the following changes to the approved APD:
BHL change from 20 FNL & 1270 FEL to 20 FNL & 1670 FEL, both 33-22S-34E.
TVD/MD change from 9900/17,520 to 9900/17,524
8-3/4" Pilot Hole and Plugging Program please see attached drill plan
Casing program change to accommodate pilot hole: Surface, Intermediate, & Production casing changes. Cement volume changes to accommodate casing change.
Please see attached revised C-102, and drilling & directional plans and supporting documentation.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* REBECCA DEAL / Ph: (405) 228-8429

Title Regulatory Professional

Signature (Electronic Submission)

Date 03/18/2025

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

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

Office CARLSBAD

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Information

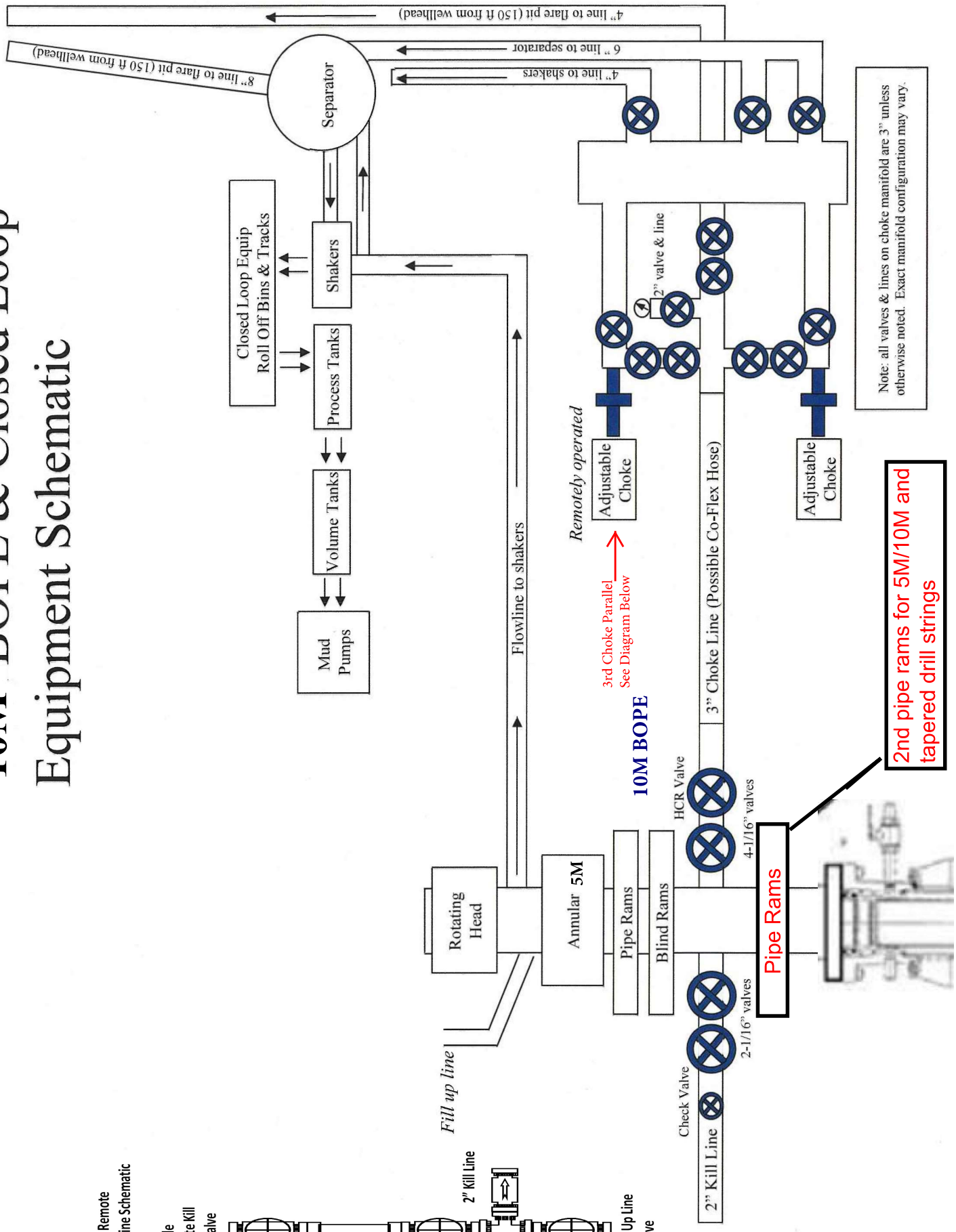
Location of Well

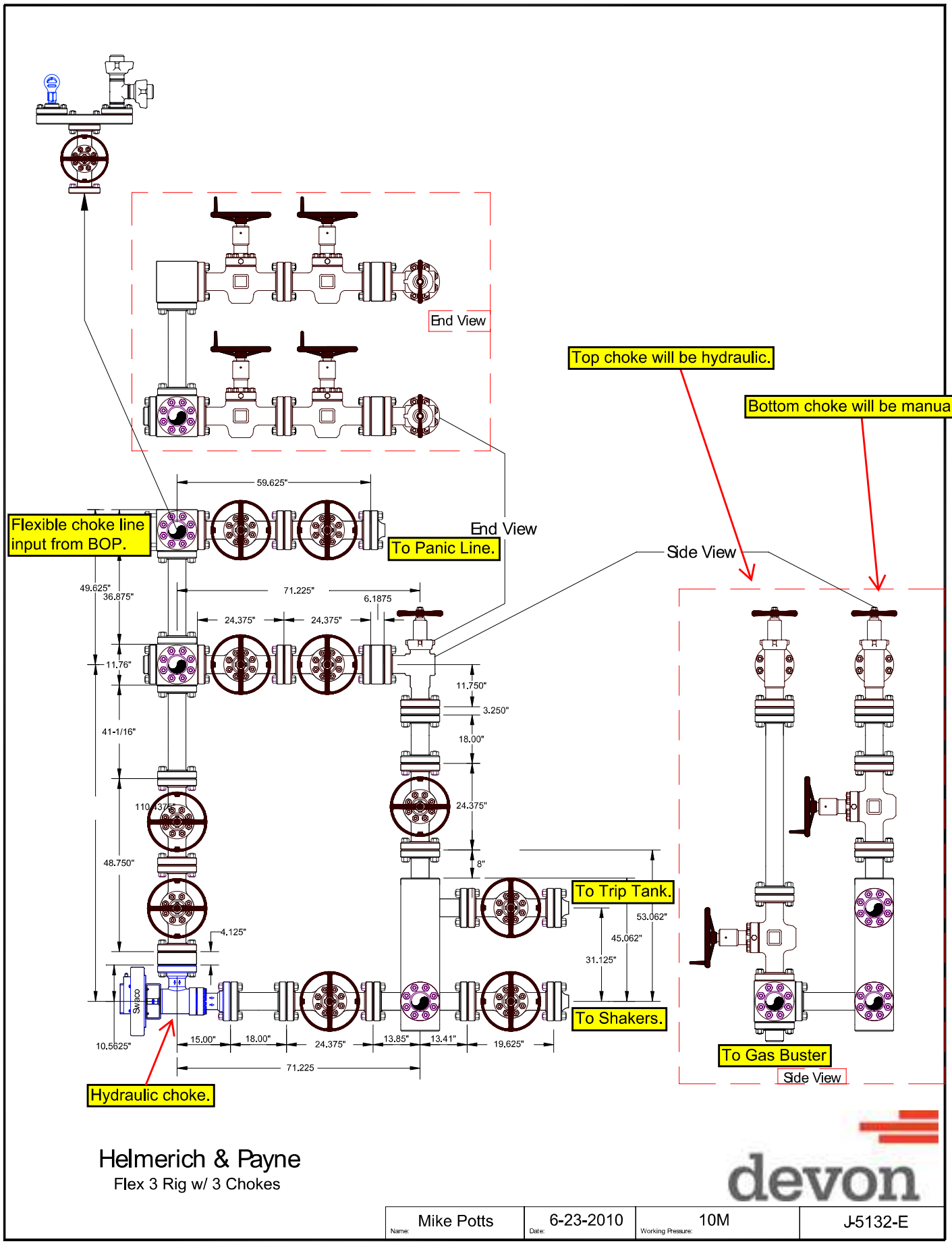
0. SHL: SWNE / 2384 FNL / 1504 FEL / TWSP: 23S / RANGE: 34E / SECTION: 4 / LAT: 32.334357 / LONG: -103.471382 (TVD: 0 feet, MD: 0 feet)

PPP: SENE / 2541 FNL / 1270 FEL / TWSP: 23S / RANGE: 34E / SECTION: 4 / LAT: 32.333925 / LONG: -103.470624 (TVD: 9520 feet, MD: 9548 feet)

BHL: NENE / 20 FNL / 1270 FEL / TWSP: 22S / RANGE: 34E / SECTION: 33 / LAT: 32.355365 / LONG: -103.470597 (TVD: 9900 feet, MD: 17520 feet)

10M BOPE & Closed Loop Equipment Schematic



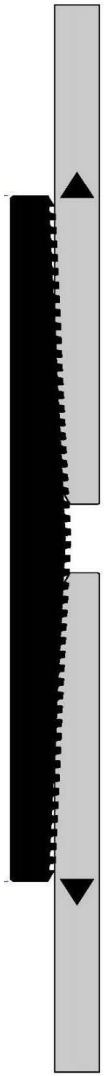

End View
Top choke will be hydraulic.
Bottom choke will be manual.
59.625"
Flexible choke line input from BOP.
End View
To Panic Line.
Side View
49.625"
36.875"
71.225"
6.1875
24.375"
24.375"
11.76"
11.750"
3.250"
41-1/16"
18.00"
24.375"
48.750"
8"
To Trip Tank.
53.062"
45.062"
31.125"
4.125"
To Shakers.
10.5625"
15.00"
18.00"
24.375"
13.85"
13.41"
19.625"
71.225
To Gas Buster
Side View
Hydraulic choke.
Helmerich & Payne
Flex 3 Rig w/ 3 Chokes
devon
Mike Potts
Name:
6-23-2010
Date:
10M
Working Pressure:
J-5132-E

GB tubulars Casings & Connections

GB Connection Performance Properties Sheet

Rev. 0 (06/04/2015)

ENGINEERING THE RIGHT CONNECTIONS™



Casing: 20 OD, 133 ppf
Casing Grade: J-55

Connection: API BC 21.000
Coupling Grade: API K-55

PIPE BODY GEOMETRY					
Nominal OD (in.)	20	Wall Thickness (in.)	0.635	Drift Diameter (in.)	18.543
Nominal Weight (ppf)	133.00	Nominal ID (in.)	18.730	API Alternate Drift Dia. (in.)	N/A
Plain End Weight (ppf)	131.45	Plain End Area (in.^{2})	38.631		

PIPE BODY PERFORMANCE					
Material Specification	J-55	Min. Yield Str. (psi)	55,000	Min. Ultimate Str. (psi)	75,000
Collapse		**Tension**		**Pressure**	
API (psi)	1,500	Pl. End Yield Str. (kips)	2,125	Min. Int. Yield Press. (psi)	3,060
High Collapse (psi)	-	**Torque**		**Bending**	
		Yield Torque (ft-lbs)	959,410	Build Rate to Yield (°/100 ft)	N/A

API BC 21.000 COUPLING GEOMETRY			
Coupling OD (in.)	21.000	Makeup Loss (in.)	4.8125
Coupling Length (in.)	10.625	Critical Cross-Sect. (in.^{2})	N/A

API BC 21.000 CONNECTION PERFORMANCE RATINGS/EFFICIENCIES					
Material Specification	API K-55	Min. Yield Str. (psi)	55,000	Min. Ultimate Str. (psi)	95,000
Tension		**Efficiency**		**Bending**	
Thread Str. (kips)	2,012	Internal Pressure (%)	N/A	Build Rate to Yield (°/100 ft)	N/A
Min. Tension Yield (kips)	N/A	External Pressure (%)	N/A	**Yield Torque**	
Min. Tension Ult. (kips)	N/A	Tension (%)	N/A	Yield Torque (ft-lbs)	N/A
Joint Str. (kips)	2,012	Compression (%)	N/A		

MAKEUP TORQUE					
Min. MU Tq. (ft-lbs)	Per API RP	Max. MU Tq. (ft-lbs)	Per API RP	Running Tq. (ft-lbs)	N/A
				Max. Operating Tq. (ft-lbs)*	N/A

Units: US Customary (lbm, in., °F, lbf)

1 kip = 1,000 lbs

* Pressure rating not published by API 5C3

SeAH

13-3/8" 68# .480" J-55

Dimensions (Nominal)

Outside Diameter	13.375	**in.**
Wall	0.480	**in.**
Inside Diameter	12.415	**in.**
Drift	12.259	**in.**
Weight, T&C	68.000	**lbs/ft**
Weight, PE	66.167	**lbs/ft**

Performance Ratings, Minimum

Collapse, PE	**1950**	**psi**
Internal Yields Pressure		
PE	**3450**	**psi**
STC	**3450**	**PSI**
BTC	**3450**	**psi**
Yield Strength, Pipe Body	**1069**	**1000 lbs**
Joint Strength, STC	**675**	**1000 lbs**
Joint Strength, BTC	**1140**	**1000 lbs**

Note: SeAH Steel has produced this specification sheet for general information only. SeAH does not assume liability or responsibility for any loss or injury resulting from the use of information or data contained herein. All applications for the material described are at the customer's own risk and responsibility.

Devon Energy Annular Preventer Summary

1. Component and Preventer Compatibility Table

The table below, which covers the drilling and casing of the 10M MASP portion of the well, outlines the tubulars and the compatible preventers in use. This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the rating of the annular preventer.

6-3/4" Production hole section, 10M requirement

Component	OD	Preventer	RWP
Drillpipe	4.5"	Fixed lower 4.5" Upper 4.5-7" VBR	10M
HWDP	4.5"	Fixed lower 4.5" Upper 4.5-7" VBR	10M
Drill collars and MWD tools	4.75"	Upper 4.5-7" VBR	10M
Mud Motor	4.75"	Upper 4.5-7" VBR	10M
Production casing	5.5"	Upper 4.5-7" VBR	10M
ALL	0-13-5/8"	Annular	5M
Open-hole	-	Blind Rams	10M

VBR = Variable Bore Ram. Compatible range listed in chart.

2. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. The pressure at which control is swapped from the annular to another compatible ram is variable, but the operator will document in the submission their operating pressure limit. The operator may chose an operating pressure less than or equal to RWP, but in no case will it exceed the RWP of the annular preventer.

General Procedure While Drilling

1. Sound alarm (alert crew)
2. Space out drill string
3. Shut down pumps (stop pumps and rotary)
4. Shut-in Well (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to the upper pipe ram.

Devon Energy Annular Preventer Summary

General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full opening safety valve and close
3. Space out drill string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to the upper pipe ram.

General Procedure While Running Casing

1. Sound alarm (alert crew)
2. Stab crossover and full opening safety valve and close
3. Space out string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to compatible pipe ram.

General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams or BSR. (HCR and choke will already be in the closed position.)
3. Confirm shut-in
4. Notify toolpusher/company representative
5. Read and record the following:
    a. SICP
    b. Pit gain
    c. Time
6. Regroup and identify forward plan

Devon Energy Annular Preventer Summary

General Procedures While Pulling BHA thru Stack

1. PRIOR to pulling last joint of drillpipe thru the stack.
    a. Perform flowcheck, if flowing:
    b. Sound alarm (alert crew)
    c. Stab full opening safety valve and close
    d. Space out drill string with tool joint just beneath the upper pipe ram.
    e. Shut-in using upper pipe ram. (HCR and choke will already be in the closed position.)
    f. Confirm shut-in
    g. Notify toolpusher/company representative
    h. Read and record the following:
        i. SIDPP and SICP
        ii. Pit gain
        iii. Time
    i. Regroup and identify forward plan

2. With BHA in the stack and compatible ram preventer and pipe combo immediately available.
    a. Sound alarm (alert crew)
    b. Stab crossover and full opening safety valve and close
    c. Space out drill string with upset just beneath the compatible pipe ram.
    d. Shut-in using compatible pipe ram. (HCR and choke will already be in the closed position.)
    e. Confirm shut-in
    f. Notify toolpusher/company representative
    g. Read and record the following:
        i. SIDPP and SICP
        ii. Pit gain
        iii. Time
    h. Regroup and identify forward plan

3. With BHA in the stack and NO compatible ram preventer and pipe combo immediately available.
    a. Sound alarm (alert crew)
    b. If possible to pick up high enough, pull string clear of the stack and follow “Open Hole” scenario.
    c. If impossible to pick up high enough to pull the string clear of the stack:
    d. Stab crossover, make up one joint/stand of drillpipe, and full opening safety valve and close
    e. Space out drill string with tooljoint just beneath the upper pipe ram.
    f. Shut-in using upper pipe ram. (HCR and choke will already be in the closed position.)
    g. Confirm shut-in
    h. Notify toolpusher/company representative
    i. Read and record the following:
        i. SIDPP and SICP
        ii. Pit gain
        iii. Time
    j. Regroup and identify forward plan

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
	97922	WC-025 G-06 S223421L; BONE SPRING
Property Code	**Property Name**	**Well Number**
	RIO BLANCO 4-33 FEDERAL COM	105H
OGRID No.	**Operator Name**	**Ground Level Elevation**
6137	DEVON ENERGY PRODUCTION COMPANY, L.P.	3400.9'

Surface Owner: ☐State ☐Fee ☐Tribal ☒Federal | Mineral Owner: ☐State ☐Fee ☐Tribal ☒Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	4	23-S	34-E		2384' N	1504' E	32.334357	103.471382	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	33	22-S	34-E		20' N	1670' E	32.355364	103.471892	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
240.01	Infill	30-025-44830	N	C
Order Numbers	NMNM 140035		Well setbacks are under Common Ownership: ☐Yes ☒No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	4	23-S	34-E		2591' N	1670' E	32.333787	103.471919	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	4	23-S	34-E		2541' N	1670' E	32.333925	103.471919	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	33	22-S	34-E		100' N	1670' E	32.355144	103.471892	LEA

	Spacing Unit Type Horizontal Vertical	Ground Floor Elevation:
	HZ	

OPERATOR CERTIFICATIONS

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

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

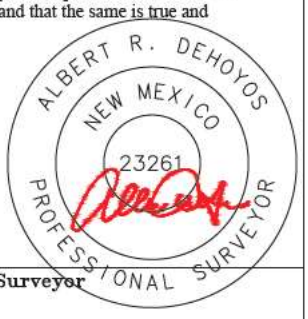
Signature: Rebecca Deal Date: 3/18/2025

Printed Name: Rebecca Deal, Regulatory Analyst

Email Address: rebecca.deal@dvn.com

SURVEYOR CERTIFICATIONS

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



Signature and Seal of Professional Surveyor

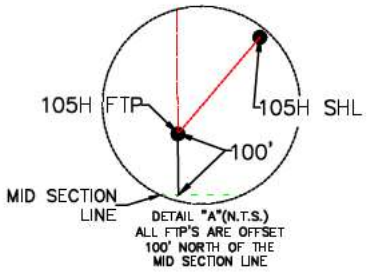
Certificate Number	Date of Survey
23261	09/2023

ACREAGE DEDICATION PLATS

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

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

SURFACE HOLE LOCATION GEODETIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION 2384' FNL 1504' FEL SECTION 4 EL: 3400.9' N:486442.13/E:807562.28 LAT:32.334357/LON:103.471382
KICK OFF POINT 2591' FNL 1670' FEL SECTION 4 N:486233.64/E:807398.15 LAT:32.333787/LON:103.471919
FIRST TAKE POINT 2541' FNL 1670' FEL SECTION 4 N:486283.64/E:807397.69 LAT:32.333925/LON:103.471919
LAST TAKE POINT 100' FNL 1670' FEL SECTION 33 N:494003.55/E:807343.91 LAT:32.355144/LON:103.471892
BOTTOM HOLE LOCATION 20' FNL 1670' FEL SECTION 33 N:494083.54/E:807343.42 LAT:32.355364/LON:103.471892
PPP 2 0' FSL 1667' FEL SECTION 33 N:488824.95/E:807379.99 LAT:32.340910/LON:103.471910
PPP 3 1320' FSL 1666' FEL SECTION 33 N:490144.87/E:807370.79 LAT:32.344538/LON:103.471906



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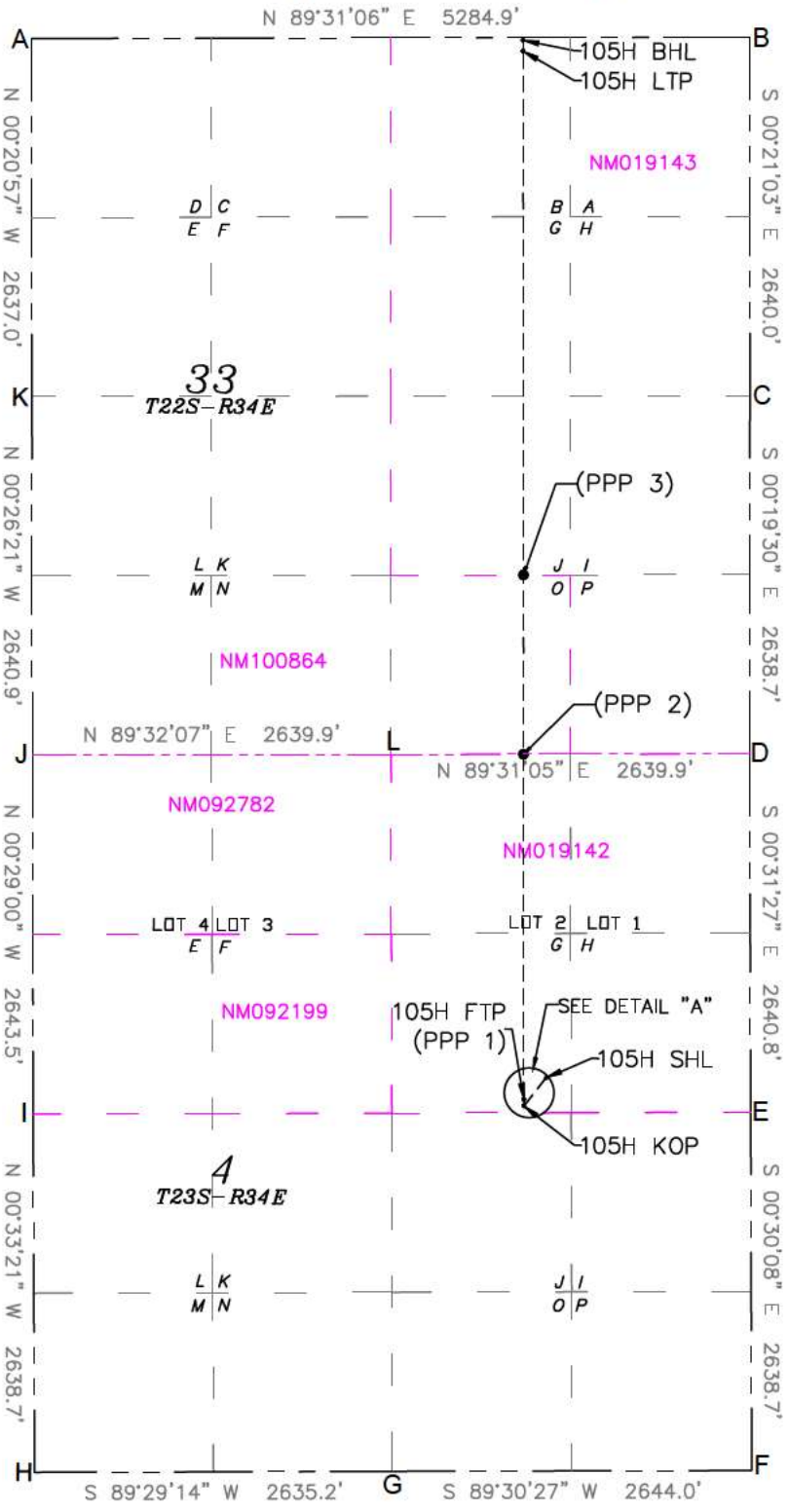


RIO BLANCO 4-33 FED COM 105H

1. Geologic Formations

TVD of target	9900	Pilot hole depth	N/A
MD at TD:	17524	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	2370		
Salt	2700		
Base of Salt	4965		
Delaware	5130		
Cherry Canyon	6000		
Brushy Canyon	7110		
1st Bone Spring Lime	8455		
Bone Spring 1st	9520		
2BSSS	10040		
3BSSS	10940		
Wolfcamp	11295		
Strawn	11800		
Atoka	12175		
Morrow	12745		
Barnett	13785		
Miss	13975		
Woodford	14415		

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

RIO BLANCO 4-33 FED COM 105H

2. Casing Program

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Casing Interval		Casing Interval	
					From (MD)	To (MD)	From (TVD)	To (TVD)
26	20	133	J-55	BTC	0	2395	0	2395
17 1/2	13 3/8	68	J-55	BTC	0	5100	0	5100
12 1/4	9 5/8	40	P110	BTC	0	11850	0	11800
8 3/4	**5 1/2**	**17**	**P110**	**BTC**	**0**	**17524**	0	9900

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

RIO BLANCO 4-33 FED COM 105H

3. Cementing Program (4-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	3863	Surf	13.2	1.4	Lead: Class C Cement + additives
Int 1	1421	Surf	9.0	3.3	Lead: Class C Cement + additives
	332	4565	13.2	1.4	Tail: Class H / C + additives
Int 2	1119	Surf	9.0	3.3	Lead: Class H / V Cement + additives
	660	9440	13.2	1.4	Tail: Class H / C + additives
Production	408	4565	9.0	3.3	Lead: Class H /C + additives
	1578	9348	13.2	1.4	Tail: Class H / C + additives

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

Cement Excess	
Surface	50%
Intermediate 1 and Intermediate 2	25%
Production	10%

RIO BLANCO 4-33 FED COM 105H

4. Pressure Control Equipment (4 String Design)

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
Intermediate 1	Diverter	3M	Annular	X	100% of rated working pressure
			Blind Ram		
			Pipe Ram		
			Double Ram		
			Other*		
Intermediate 2	13-5/8"	10M	Annular	X	100% of rated working pressure
			Blind Ram	X	10M
			Pipe Ram		
			Double Ram	X	
			Other*		
Production	13-5/8"	5M	Annular (5M)	X	50% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		

5. 8-3/4" Pilot Hole and Plugging Program

1) 8-3/4" Pilot hole from 11850-14650
2) Pilot hole will be plugged back per NMOCD P&A requirements with a cement plug
3) All cement will be 100ft in length +10% per 1000ft of TVD
4) Plug depths will be verified and tagged in the plug back (min 6hr wait time)
5) Devon will contact the NMOCD and give notice before performing any of the aforementioned procedures including the tagging of cement
6) Whip stock will be set around 9,000ft

Cement Plugs	Hole Size	# Sks	Depth	Wt. (lb/gal)	Water (gal/sx)	Yld (ft3/sack)	Slurry Description
Wolfcamp, Strawn	8-3/4"	333	11132-11900	15.6	5.24	1.06	Class H + additives
Atoka, Morrow	8-3/4"	365	11953-12795	15.6	5.24	1.06	Class H + additives
Barnett, Miss, Woodford	8-3/4"	375	13785-TD (14650)	15.6	5.24	1.06	Class H + additives

RIO BLANCO 4-33 FED COM 105H

6. Mud Program (4 String Design)

Section	Type	Weight (ppg)
Surface	FW Gel	8.5-9
Intermediate I & II	Cut Brine to Brine	10-10.5
Production	WBM	8.5-9
Pilot	WBM	12-14

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

7. Logging and Testing Procedures

Logging, Coring and Testing	
X	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the Completion Report and sbumitted to the BLM.
	Logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain.
X	Coring? If yes, explain.

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

8. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	4633
Abnormal temperature	No

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

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

9. Other facets of operation

Is this a walking operation? Potentially

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

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

Will be pre-setting casing? Potentially

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

Attachments

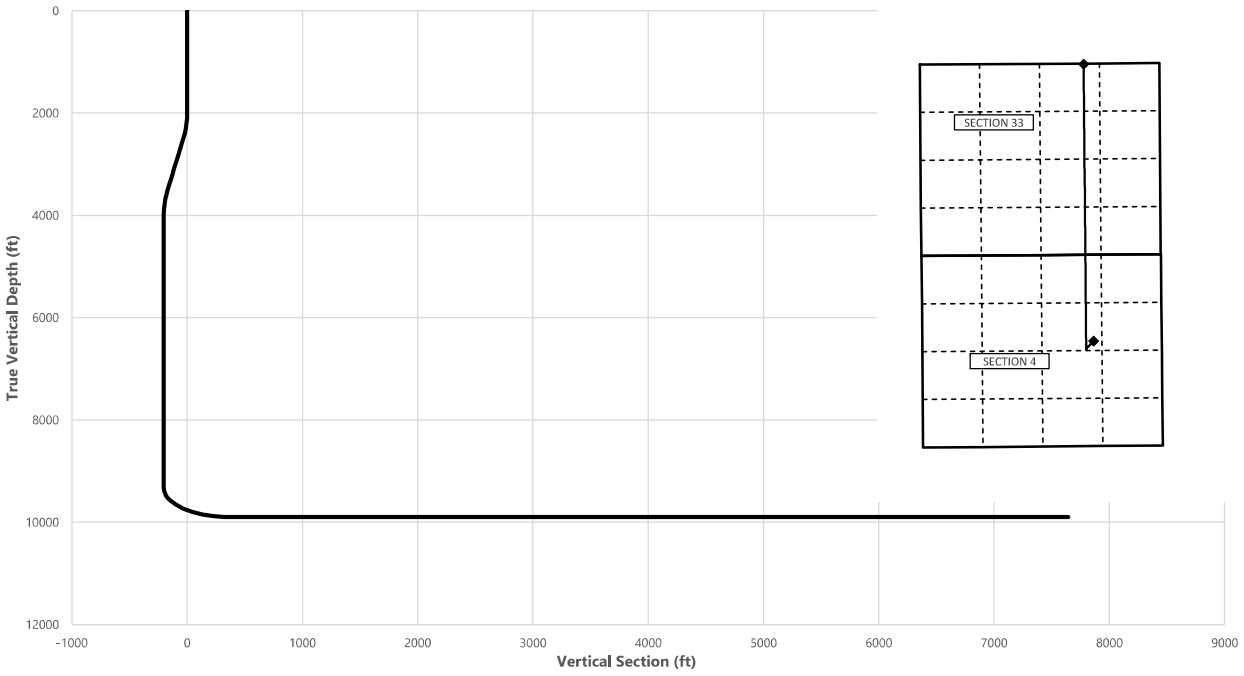
X Directional Plan
____ Other, describe

devon

Well: RIO BLANCO 4-33 FED COM 105H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
2000.00	0.00	218.22	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	218.22	2497.47	-34.19	-26.93	-33.41	2.00	Hold Tangent
3524.11	10.00	218.22	3506.01	-173.91	-136.95	-169.92	0.00	Drop to Vertical
4024.11	0.00	218.22	4003.48	-208.10	-163.88	-203.32	2.00	Hold Vertical
9347.67	0.00	359.60	9327.04	-208.10	-163.88	-203.32	0.00	KOP
10247.67	90.00	359.60	9900.00	364.84	-167.89	369.50	10.00	Landing Point
17524.42	90.00	359.60	9900.00	7641.41	-218.86	7644.54	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	2371.04	2370.00
Salt	2705.66	2700.00
Base of Salt	4985.63	4965.00
Delaware	5150.63	5130.00
Cherry Canyon	6020.63	6000.00
Brushy Canyon	7130.63	7110.00
1st Bone Spring Lime	8475.63	8455.00
Bone Spring 1st / Point of Penetratic	9544.47	9520.00
exit	17444.42	9900.01

	MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
SHL	0.00	0.00	32.3343	-103.4713	2384' FNL, 1504' FEL of Sec 4 in T23S, R34E
KOP	9347.67	9327.04	32.3337	-103.4719	2591' FNL, 1670' FEL of Sec 4 in T22S, R34E
Point of Penetration	9544.47	9520.00	32.3339	-103.4719	2541' FNL , 1670' FEL of Sec 4 in T22S, R34E
Exit	17444.42	9900.01	32.3551	-103.4719	100' FNL, 1670' FEL of Sec 33 in T23S, R34E
BHL	17524.42	9900.00	32.3553	-103.4718	20' FNL, 1670' FEL of Sec 33 in T23S, R34E

	Y	X	MD
KOP	**486234**	**807398**	9347.67

devon

Well: RIO BLANCO 4-33 FED COM 105H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	218.22	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	218.22	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	218.22	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	218.22	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	218.22	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	218.22	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	218.22	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	218.22	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	218.22	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	218.22	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	218.22	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	218.22	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	218.22	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	218.22	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	218.22	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	218.22	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	218.22	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	218.22	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	218.22	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	218.22	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	218.22	2099.98	-1.37	-1.08	-1.34	2.00	
2200.00	4.00	218.22	2199.84	-5.48	-4.32	-5.36	2.00	
2300.00	6.00	218.22	2299.45	-12.33	-9.71	-12.05	2.00	
2371.04	7.42	218.22	2370.00	-18.85	-14.84	-18.42	2.00	Rustler
2400.00	8.00	218.22	2398.70	-21.90	-17.25	-21.40	2.00	
2500.00	10.00	218.22	2497.47	-34.19	-26.93	-33.41	2.00	Hold Tangent
2600.00	10.00	218.22	2595.95	-47.84	-37.67	-46.74	0.00	
2700.00	10.00	218.22	2694.43	-61.48	-48.41	-60.07	0.00	
2705.66	10.00	218.22	2700.00	-62.25	-49.02	-60.82	0.00	Salt
2800.00	10.00	218.22	2792.91	-75.12	-59.16	-73.40	0.00	
2900.00	10.00	218.22	2891.39	-88.76	-69.90	-86.73	0.00	
3000.00	10.00	218.22	2989.87	-102.41	-80.64	-100.05	0.00	
3100.00	10.00	218.22	3088.35	-116.05	-91.39	-113.38	0.00	
3200.00	10.00	218.22	3186.83	-129.69	-102.13	-126.71	0.00	
3300.00	10.00	218.22	3285.31	-143.33	-112.87	-140.04	0.00	
3400.00	10.00	218.22	3383.79	-156.98	-123.62	-153.37	0.00	
3500.00	10.00	218.22	3482.27	-170.62	-134.36	-166.70	0.00	
3524.11	10.00	218.22	3506.01	-173.91	-136.95	-169.92	0.00	Drop to Vertical
3600.00	8.48	218.22	3580.92	-183.48	-144.49	-179.27	2.00	
3700.00	6.48	218.22	3680.06	-193.71	-152.55	-189.26	2.00	
3800.00	4.48	218.22	3779.60	-201.22	-158.46	-196.60	2.00	
3900.00	2.48	218.22	3879.41	-205.99	-162.21	-201.26	2.00	
4000.00	0.48	218.22	3979.37	-208.02	-163.81	-203.25	2.00	
4024.11	0.00	218.22	4003.48	-208.10	-163.88	-203.32	2.00	Hold Vertical
4100.00	0.00	359.60	4079.37	-208.10	-163.88	-203.32	0.00	
4200.00	0.00	359.60	4179.37	-208.10	-163.88	-203.32	0.00	
4300.00	0.00	359.60	4279.37	-208.10	-163.88	-203.32	0.00	
4400.00	0.00	359.60	4379.37	-208.10	-163.88	-203.32	0.00	
4500.00	0.00	359.60	4479.37	-208.10	-163.88	-203.32	0.00	
4600.00	0.00	359.60	4579.37	-208.10	-163.88	-203.32	0.00	
4700.00	0.00	359.60	4679.37	-208.10	-163.88	-203.32	0.00	
4800.00	0.00	359.60	4779.37	-208.10	-163.88	-203.32	0.00	
4900.00	0.00	359.60	4879.37	-208.10	-163.88	-203.32	0.00	
4985.63	0.00	359.60	4965.00	-208.10	-163.88	-203.32	0.00	Base of Salt
5000.00	0.00	359.60	4979.37	-208.10	-163.88	-203.32	0.00	
5100.00	0.00	359.60	5079.37	-208.10	-163.88	-203.32	0.00	
5150.63	0.00	359.60	5130.00	-208.10	-163.88	-203.32	0.00	Delaware
5200.00	0.00	359.60	5179.37	-208.10	-163.88	-203.32	0.00	
5300.00	0.00	359.60	5279.37	-208.10	-163.88	-203.32	0.00	
5400.00	0.00	359.60	5379.37	-208.10	-163.88	-203.32	0.00	
5500.00	0.00	359.60	5479.37	-208.10	-163.88	-203.32	0.00	
5600.00	0.00	359.60	5579.37	-208.10	-163.88	-203.32	0.00	
5700.00	0.00	359.60	5679.37	-208.10	-163.88	-203.32	0.00	
5800.00	0.00	359.60	5779.37	-208.10	-163.88	-203.32	0.00	
5900.00	0.00	359.60	5879.37	-208.10	-163.88	-203.32	0.00	
6000.00	0.00	359.60	5979.37	-208.10	-163.88	-203.32	0.00	
6020.63	0.00	359.60	6000.00	-208.10	-163.88	-203.32	0.00	Cherry Canyon
6100.00	0.00	359.60	6079.37	-208.10	-163.88	-203.32	0.00	
6200.00	0.00	359.60	6179.37	-208.10	-163.88	-203.32	0.00	

devon

Well: RIO BLANCO 4-33 FED COM 105H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6300.00	0.00	359.60	6279.37	-208.10	-163.88	-203.32	0.00	
6400.00	0.00	359.60	6379.37	-208.10	-163.88	-203.32	0.00	
6500.00	0.00	359.60	6479.37	-208.10	-163.88	-203.32	0.00	
6600.00	0.00	359.60	6579.37	-208.10	-163.88	-203.32	0.00	
6700.00	0.00	359.60	6679.37	-208.10	-163.88	-203.32	0.00	
6800.00	0.00	359.60	6779.37	-208.10	-163.88	-203.32	0.00	
6900.00	0.00	359.60	6879.37	-208.10	-163.88	-203.32	0.00	
7000.00	0.00	359.60	6979.37	-208.10	-163.88	-203.32	0.00	
7100.00	0.00	359.60	7079.37	-208.10	-163.88	-203.32	0.00	
7130.63	0.00	359.60	7110.00	-208.10	-163.88	-203.32	0.00	Brushy Canyon
7200.00	0.00	359.60	7179.37	-208.10	-163.88	-203.32	0.00	
7300.00	0.00	359.60	7279.37	-208.10	-163.88	-203.32	0.00	
7400.00	0.00	359.60	7379.37	-208.10	-163.88	-203.32	0.00	
7500.00	0.00	359.60	7479.37	-208.10	-163.88	-203.32	0.00	
7600.00	0.00	359.60	7579.37	-208.10	-163.88	-203.32	0.00	
7700.00	0.00	359.60	7679.37	-208.10	-163.88	-203.32	0.00	
7800.00	0.00	359.60	7779.37	-208.10	-163.88	-203.32	0.00	
7900.00	0.00	359.60	7879.37	-208.10	-163.88	-203.32	0.00	
8000.00	0.00	359.60	7979.37	-208.10	-163.88	-203.32	0.00	
8100.00	0.00	359.60	8079.37	-208.10	-163.88	-203.32	0.00	
8200.00	0.00	359.60	8179.37	-208.10	-163.88	-203.32	0.00	
8300.00	0.00	359.60	8279.37	-208.10	-163.88	-203.32	0.00	
8400.00	0.00	359.60	8379.37	-208.10	-163.88	-203.32	0.00	
8475.63	0.00	359.60	8455.00	-208.10	-163.88	-203.32	0.00	1st Bone Spring Lime
8500.00	0.00	359.60	8479.37	-208.10	-163.88	-203.32	0.00	
8600.00	0.00	359.60	8579.37	-208.10	-163.88	-203.32	0.00	
8700.00	0.00	359.60	8679.37	-208.10	-163.88	-203.32	0.00	
8800.00	0.00	359.60	8779.37	-208.10	-163.88	-203.32	0.00	
8900.00	0.00	359.60	8879.37	-208.10	-163.88	-203.32	0.00	
9000.00	0.00	359.60	8979.37	-208.10	-163.88	-203.32	0.00	
9100.00	0.00	359.60	9079.37	-208.10	-163.88	-203.32	0.00	
9200.00	0.00	359.60	9179.37	-208.10	-163.88	-203.32	0.00	
9300.00	0.00	359.60	9279.37	-208.10	-163.88	-203.32	0.00	
9347.67	0.00	359.60	9327.04	-208.10	-163.88	-203.32	0.00	KOP
9400.00	5.23	359.60	9379.30	-205.71	-163.89	-200.94	10.00	
9500.00	15.23	359.60	9477.58	-187.97	-164.02	-183.20	10.00	
9544.47	19.68	359.60	9520.00	-174.63	-164.11	-169.86	10.00	Bone Spring 1st / Point of Penetration
9600.00	25.23	359.60	9571.29	-153.43	-164.26	-148.67	10.00	
9700.00	35.23	359.60	9657.58	-103.14	-164.61	-98.39	10.00	
9800.00	45.23	359.60	9733.83	-38.64	-165.06	-33.90	10.00	
9900.00	55.23	359.60	9797.71	38.13	-165.60	42.85	10.00	
10000.00	65.23	359.60	9847.30	124.82	-166.21	129.53	10.00	
10100.00	75.23	359.60	9881.08	218.81	-166.87	223.49	10.00	
10200.00	85.23	359.60	9898.02	317.23	-167.56	321.90	10.00	
10247.67	90.00	359.60	9900.00	364.84	-167.89	369.50	10.00	Landing Point
10300.00	90.00	359.60	9900.00	417.17	-168.26	421.82	0.00	
10400.00	90.00	359.60	9900.00	517.17	-168.96	521.80	0.00	
10500.00	90.00	359.60	9900.00	617.17	-169.66	621.77	0.00	
10600.00	90.00	359.60	9900.00	717.16	-170.36	721.75	0.00	
10700.00	90.00	359.60	9900.00	817.16	-171.06	821.72	0.00	
10800.00	90.00	359.60	9900.00	917.16	-171.76	921.70	0.00	
10900.00	90.00	359.60	9900.00	1017.16	-172.46	1021.68	0.00	
11000.00	90.00	359.60	9900.00	1117.15	-173.16	1121.65	0.00	
11100.00	90.00	359.60	9900.00	1217.15	-173.86	1221.63	0.00	
11200.00	90.00	359.60	9900.00	1317.15	-174.57	1321.61	0.00	
11300.00	90.00	359.60	9900.00	1417.15	-175.27	1421.58	0.00	
11400.00	90.00	359.60	9900.00	1517.15	-175.97	1521.56	0.00	
11500.00	90.00	359.60	9900.00	1617.14	-176.67	1621.54	0.00	
11600.00	90.00	359.60	9900.00	1717.14	-177.37	1721.51	0.00	
11700.00	90.00	359.60	9900.00	1817.14	-178.07	1821.49	0.00	
11800.00	90.00	359.60	9900.00	1917.14	-178.77	1921.47	0.00	
11900.00	90.00	359.60	9900.00	2017.13	-179.47	2021.44	0.00	
12000.00	90.00	359.60	9900.00	2117.13	-180.17	2121.42	0.00	
12100.00	90.00	359.60	9900.00	2217.13	-180.87	2221.40	0.00	
12200.00	90.00	359.60	9900.00	2317.13	-181.58	2321.37	0.00	
12300.00	90.00	359.60	9900.00	2417.12	-182.28	2421.35	0.00	
12400.00	90.00	359.60	9900.00	2517.12	-182.98	2521.33	0.00	
12500.00	90.00	359.60	9900.00	2617.12	-183.68	2621.30	0.00	
12600.00	90.00	359.60	9900.00	2717.12	-184.38	2721.28	0.00	
12700.00	90.00	359.60	9900.00	2817.11	-185.08	2821.26	0.00	

devon

Well: RIO BLANCO 4-33 FED COM 105H
County: Lea
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
12800.00	90.00	359.60	9900.00	2917.11	-185.78	2921.23	0.00	
12900.00	90.00	359.60	9900.00	3017.11	-186.48	3021.21	0.00	
13000.00	90.00	359.60	9900.00	3117.11	-187.18	3121.19	0.00	
13100.00	90.00	359.60	9900.00	3217.10	-187.88	3221.16	0.00	
13200.00	90.00	359.60	9900.00	3317.10	-188.59	3321.14	0.00	
13300.00	90.00	359.60	9900.00	3417.10	-189.29	3421.12	0.00	
13400.00	90.00	359.60	9900.00	3517.10	-189.99	3521.09	0.00	
13500.00	90.00	359.60	9900.00	3617.09	-190.69	3621.07	0.00	
13600.00	90.00	359.60	9900.01	3717.09	-191.39	3721.05	0.00	
13700.00	90.00	359.60	9900.01	3817.09	-192.09	3821.02	0.00	
13800.00	90.00	359.60	9900.01	3917.09	-192.79	3921.00	0.00	
13900.00	90.00	359.60	9900.01	4017.08	-193.49	4020.98	0.00	
14000.00	90.00	359.60	9900.01	4117.08	-194.19	4120.95	0.00	
14100.00	90.00	359.60	9900.01	4217.08	-194.89	4220.93	0.00	
14200.00	90.00	359.60	9900.01	4317.08	-195.59	4320.91	0.00	
14300.00	90.00	359.60	9900.01	4417.07	-196.30	4420.88	0.00	
14400.00	90.00	359.60	9900.01	4517.07	-197.00	4520.86	0.00	
14500.00	90.00	359.60	9900.01	4617.07	-197.70	4620.84	0.00	
14600.00	90.00	359.60	9900.01	4717.07	-198.40	4720.81	0.00	
14700.00	90.00	359.60	9900.01	4817.06	-199.10	4820.79	0.00	
14800.00	90.00	359.60	9900.01	4917.06	-199.80	4920.77	0.00	
14900.00	90.00	359.60	9900.01	5017.06	-200.50	5020.74	0.00	
15000.00	90.00	359.60	9900.01	5117.06	-201.20	5120.72	0.00	
15100.00	90.00	359.60	9900.01	5217.05	-201.90	5220.70	0.00	
15200.00	90.00	359.60	9900.01	5317.05	-202.60	5320.67	0.00	
15300.00	90.00	359.60	9900.01	5417.05	-203.31	5420.65	0.00	
15400.00	90.00	359.60	9900.01	5517.05	-204.01	5520.63	0.00	
15500.00	90.00	359.60	9900.01	5617.04	-204.71	5620.60	0.00	
15600.00	90.00	359.60	9900.01	5717.04	-205.41	5720.58	0.00	
15700.00	90.00	359.60	9900.01	5817.04	-206.11	5820.56	0.00	
15800.00	90.00	359.60	9900.01	5917.04	-206.81	5920.53	0.00	
15900.00	90.00	359.60	9900.01	6017.03	-207.51	6020.51	0.00	
16000.00	90.00	359.60	9900.01	6117.03	-208.21	6120.49	0.00	
16100.00	90.00	359.60	9900.01	6217.03	-208.91	6220.46	0.00	
16200.00	90.00	359.60	9900.01	6317.03	-209.61	6320.44	0.00	
16300.00	90.00	359.60	9900.01	6417.02	-210.32	6420.42	0.00	
16400.00	90.00	359.60	9900.01	6517.02	-211.02	6520.39	0.00	
16500.00	90.00	359.60	9900.01	6617.02	-211.72	6620.37	0.00	
16600.00	90.00	359.60	9900.01	6717.02	-212.42	6720.35	0.00	
16700.00	90.00	359.60	9900.01	6817.01	-213.12	6820.32	0.00	
16800.00	90.00	359.60	9900.01	6917.01	-213.82	6920.30	0.00	
16900.00	90.00	359.60	9900.01	7017.01	-214.52	7020.28	0.00	
17000.00	90.00	359.60	9900.01	7117.01	-215.22	7120.25	0.00	
17100.00	90.00	359.60	9900.01	7217.01	-215.92	7220.23	0.00	
17200.00	90.00	359.60	9900.01	7317.00	-216.62	7320.21	0.00	
17300.00	90.00	359.60	9900.01	7417.00	-217.33	7420.18	0.00	
17400.00	90.00	359.60	9900.01	7517.00	-218.03	7520.16	0.00	
17444.42	90.00	359.60	9900.01	7561.41	-218.34	7564.56	0.00	exit
17500.00	90.00	359.60	9900.01	7617.00	-218.73	7620.14	0.00	
17524.42	90.00	359.60	9900.00	7641.41	-218.86	7644.54	0.00	BHL

4-23-34-G ATS-24-280 Rio Blanco 4-33 Fed Com 105H Lea NM19142 DEVON ENERGY PRODUCTION COMPANY LP 13-22g 2-27-2024 LV

Rio Blanco 4-33 Fed Com 105H

20	surface csg in a	26	inch hole.		Design Factors					Surface		
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	133.00	j 55	btc	6.88	1.46	1.1	2,200	3	1.84	2.75	292,600
"B"			btc				0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig: 1,182		Tail Cmt	does not	circ to sfc.		Totals:	2,200				292,600

Comparison of Proposed to Minimum Required Cement Volumes

Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplg
26	1.5053	3863	5408	3312	63	9.00	1660	2M	2.50

Site plat (pipe racks S or E) as per O.O.1 III.D.4.r, not found.

13 3/8	casing inside the	20			Design Factors					Int 1		
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	68.00	j 55	btc	3.08	0.7	0.54	5,100	1	0.90	1.17	346,800
"B"							0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig: 190						Totals:	5,100				346,800
	The cement volume(s) are intended to achieve a top of			0	ft from surface or a		2200				overlap.

Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplg
17 1/2	0.6946	1753	5154	4077	26	10.50	3840	5M	1.56
r D V Tool(s):							sum of sx	Σ CuFt	Σ%excess
t by stage % :		#VALUE!	#VALUE!				1753	5154	26

Class 'C' tail cmt yld > 1.35

Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.68, b, c, d <0.70 a Problem!!

9 5/8	casing inside the	13 3/8			Design Factors					Int 2		
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00	p 110	btc	2.68	0.66	1.4	11,850	1	2.34	1.10	474,000
"B"							0				0
"C"							0				0
"D"							0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig: 1,137						Totals:	11,850				474,000
	The cement volume(s) are intended to achieve a top of			4600	ft from surface or a		500				overlap.

Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplg
12 1/4	0.3132	1779	4617	2282	102	10.50	2451	3M	1.31

Class 'C' tail cmt yld > 1.35

Tail cmt

5 1/2	casing inside the	9 5/8			Design Factors					Prod 1		
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	17.00	p 110	btc	3.24	1.62	2.3	17,524	2	4.34	3.05	297,908
"B"							0				0
	w/8.4#/g mud, 30min Sfc Csg Test psig: 2,178						Totals:	17,524				297,908
	The cement volume(s) are intended to achieve a top of			11350	ft from surface or a		500				overlap.

Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplg
8 3/4	0.2526	1986	3556	1564	127	9.00			1.35

Class 'H' tail cmt yld > 1.20 Capitan Reef est top XXXX.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 443959

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443959
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Any previous COA's not addressed within the updated COA's still apply.	4/15/2025