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

Form C-101
August 1, 2011

Permit 392613

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

1. Operator Name and Address	2. OGRID Number
EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	7377
	3. API Number 30-015-56956

4. Property Code	5. Property Name	6. Well No.
336782	PADRON 3 STATE BS UNIT	507H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	3	25S	27E	E	1937	N	376	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	1	25S	27E	1	330	N	100	E	Eddy

9. Pool Information

WC-015 G-02 S252715A;BONE SPRING	97816
WILLOW LAKE;BONE SPRING,WEST	96415

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3246
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
Y	23524	Bone Spring		7/15/2024
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

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

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	20	13.375	54.5	200	180	0
Int1	9.875	8.625	32	2412	320	0
Prod	7.875	6	24.5	7738	1000	0
Prod	6.75	5.5	20	23524	1890	0

Casing/Cement Program: Additional Comments

EOG respectfully requests the option to use the additional casing and cement programs provided in the EOG Variance 5A attachment. The NMOCD will be notified of EOG's election at spud.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	3000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.** Signature:		**OIL CONSERVATION DIVISION**	
Printed Name:	Electronically filed by Kristina Agee	Approved By:	Jeffrey Harrison
Title:	Senior Regulatory Administrator	Title:	Petroleum Specialist III
Email Address:	Kristina_agee@eogresources.com	Approved Date:	7/10/2025 Expiration Date: 7/10/2027
Date:	6/26/2025 Phone: 432-686-6996	Conditions of Approval Attached	

C-102

Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

Property Name and Well Number

PADRON 3 STATE BS UNIT 507H

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-56956	97816	WC-015 G-02 S252715A; Bone Spring

Property Code	Property Name	Well Number
336782	**PADRON 3 STATE BS UNIT**	**507H**

OGRID No.	Operator Name	Ground Level Elevation
7377	EOG RESOURCES, INC.	3246'

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

Surface Location

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	3	25 S	27 E		1937 FNL	376 FWL	N 32.161094°	W 104.185720°	EDDY

Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
1	1	25 S	27 E		330 FNL	100 FEL	N 32.165652°	W 104.135841°	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidated Code
955.67	INFILL	~~30-015-54760~~	Y	U

Order Numbers ~~300406~~ Well Setbacks are under Common Ownership: ☐ Yes ☐ No

Kick Off Point (KOP)

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
4	3	25 S	27 E		330 FNL	50 FWL	N 32.165507°	W 104.186794°	EDDY

First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
4	3	25 S	27 E		330 FNL	100 FWL	N 32.165508°	W 104.186632°	EDDY

Last Take Point (LTP)

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
1	1	25 S	27 E		330 FNL	100 FEL	N 32.165652°	W 104.135841°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unity Type	Ground Floor Elevation
UNIT	☒ Horizontal ☐ Vertical	3271'

OPERATOR CERTIFICATION

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.

Star L Harrell 6/23/25
Signature Date

Star L Harrell
Print Name

star_harrell@eogresources.com
E-mail Address

SURVEYORS CERTIFICATION

MITCHELL L. McDONALD NEW MEXICO 29821 06/18/2025 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor Date

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

MITCHELL L. MCDONALD, N.M. P.L.S.

Certificate Number 29821 Date of Survey MAY 29, 2025

P:\EOG_Z\40043\PROD\C102_Package\C102_WLE\C_Padron_3_State_WC_BS_Unit_C102_WLE_507H.dwg PHOMESLEY 6/18/2025 8:41 AM

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

C-102

Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal Type:
- [x] Initial Submittal
- [ ] Amended Report
- [ ] As Drilled

Property Name and Well Number

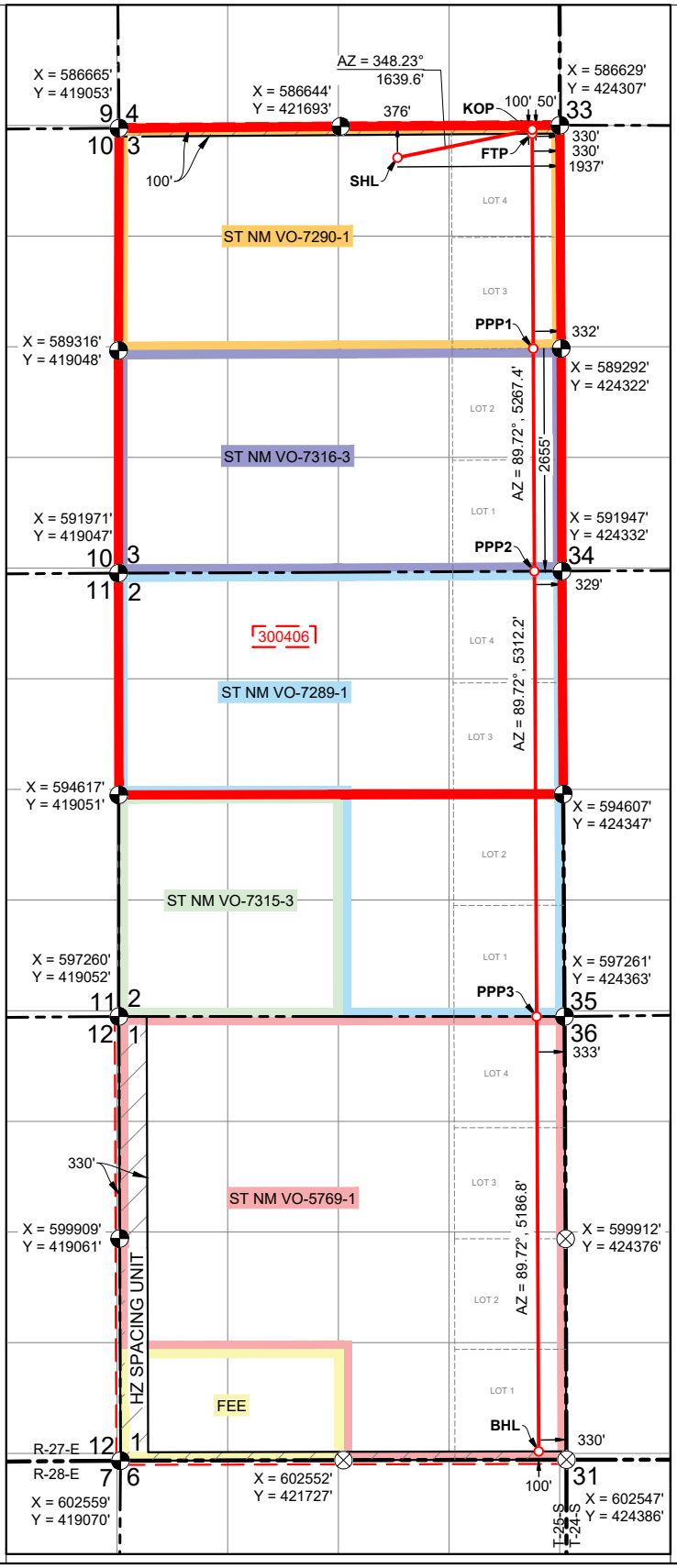
PADRON 3 STATE BS UNIT 507H

SURFACE LOCATION
NEW MEXICO EAST
NAD 1983
X=587016' Y=422372'
LAT=N32.161094°
LONG=W104.185720°
NAD 1927
X=545832' Y=422315'
LAT=N32.160973°
LONG=W104.185225°
1937' FNL 376' FWL

KOP LOCATION
NEW MEXICO EAST
NAD 1983
X=586681' Y=423978'
LAT=N32.165507°
LONG=W104.186794°
NAD 1927
X=545498' Y=423920'
LAT=N32.165387°
LONG=W104.186298°
330' FNL 50' FWL

FIRST TAKE POINT
NEW MEXICO EAST
NAD 1983
X=586731' Y=423978'
LAT=N32.165508°
LONG=W104.186632°
NAD 1927
X=545548' Y=423920'
LAT=N32.165387°
LONG=W104.186137°
330' FNL 100' FWL

PROPOSED PENETRATION POINT 1
NEW MEXICO EAST
NAD 1983
X=589293' Y=423990'
LAT=N32.165533°
LONG=W104.178352°
NAD 1927
X=548110' Y=423933'
LAT=N32.165412°
LONG=W104.177857°
332' FNL 2655' FEL



PROPOSED PENETRATION POINT 2
NEW MEXICO EAST
NAD 1983
X=591949' Y=424004'
LAT=N32.165558°
LONG=W104.169771°
NAD 1927
X=550765' Y=423946'
LAT=N32.165437°
LONG=W104.169276°
329' FNL 0' FEL

PROPOSED PENETRATION POINT 3
NEW MEXICO EAST
NAD 1983
X=597261' Y=424030'
LAT=N32.165607°
LONG=W104.152603°
NAD 1927
X=556077' Y=423972'
LAT=N32.165486°
LONG=W104.152109°
333' FNL 0' FEL

LOWER MOST PERF./ BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1983
X=602448' Y=424055'
LAT=N32.165652°
LONG=W104.135841°
NAD 1927
X=561264' Y=423997'
LAT=N32.165531°
LONG=W104.135348°
330' FNL 100' FEL

Note: Bearings, coordinates, and distances (grid) shown hereon are based on the New Mexico State Plane Coordinate System, East Zone, NAD 83-2011 (EPOCH 2010) framework, as derived by OPUS Solution. The elevations shown hereon are based on NAVD 88.

C-102

Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

Property Name and Well Number

PADRON 3 STATE BS UNIT 507H

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-~~56956~~	96415	WILLOW LAKE; BONE SPRING, WEST

Property Code	Property Name	Well Number
336782	**PADRON 3 STATE BS UNIT**	**507H**

OGRID No.	Operator Name	Ground Level Elevation
7377	EOG RESOURCES, INC.	3246'

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

Surface Location

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
E	3	25 S	27 E		1937 FNL	376 FWL	N 32.161094°	W 104.185720°	EDDY

Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
1	1	25 S	27 E		330 FNL	100 FEL	N 32.165652°	W 104.135841°	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidated Code
958.25	INFILL	~~30-015-54760~~	Y	U

Order Numbers ~~300406~~ Well Setbacks are under Common Ownership: ☐ Yes ☐ No

Kick Off Point (KOP)

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
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Unitized Area or Area of Uniform Interest	Spacing Unity Type	Ground Floor Elevation
UNIT	☒ Horizontal ☐ Vertical	3271'

OPERATOR CERTIFICATION

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.

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Star L Harrell 6/23/25
Signature Date

Star L Harrell
Print Name

star_harrell@eogresources.com
E-mail Address

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MITCHELL L. McDONALD NEW MEXICO 29821 06/18/2025 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor Date

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Certificate Number 29821 Date of Survey MAY 29, 2025

P:\EOG_R\40043\PRODC\102_Package\C102_WLE\0_Padron_3_State_WC_BS_Unit_C102_WLE_507H.dwg PHOMESLEY 6/18/2025 9:42 AM

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

C-102

Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal Type:
- [x] Initial Submittal
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Property Name and Well Number

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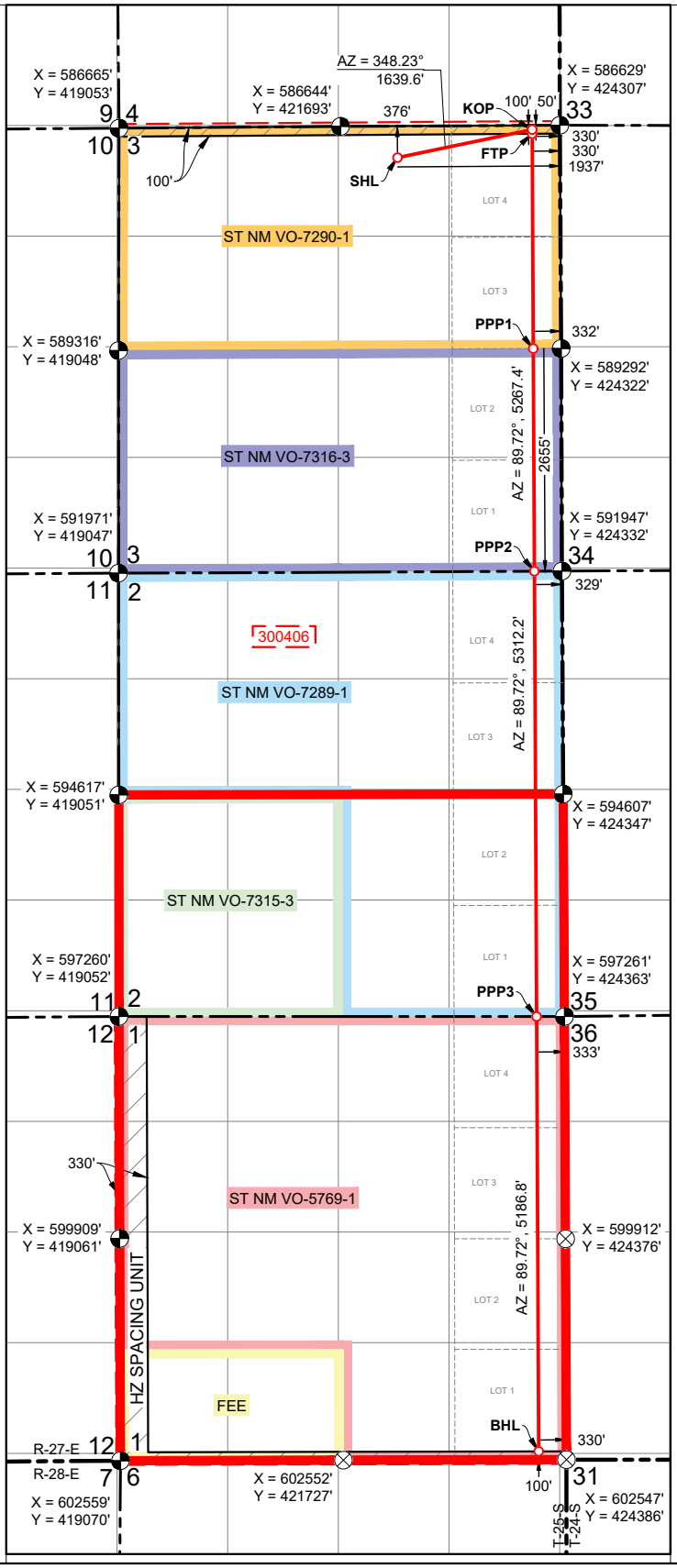

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LOWER MOST PERF./ BOTTOM HOLE LOCATION
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LAT=N32.165531°
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https://www.emnrd.nm.gov/ocd/contact-us

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

Form APD Comments

Permit 392613

PERMIT COMMENTS

Operator Name and Address:	API Number:
EOG RESOURCES INC [7377] 5509 Champions Drive Midland, TX 79706	30-015-56956
	Well: PADRON 3 STATE BS UNIT #507H

Created By	Comment	Comment Date
sharrell1	3 mile well, dedicated acreage includes Sec 2, T25S, R27E, Eddy Co	6/25/2025

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

Form APD Conditions

Permit 392613

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
EOG RESOURCES INC [7377] 5509 Champions Drive Midland, TX 79706	30-015-56956
	Well: PADRON 3 STATE BS UNIT #507H

OCD Reviewer	Condition
jeffrey.harrison	The 13 3/8" String will be considered surface casing and not conductor casing therefore will be in compliance with 19.15.16.10 (I) – Pressure testing.
jeffrey.harrison	500' Minimum set depth for surface casing.
jeffrey.harrison	A CBL will be run on 8 5/8 Intermediate Casing (even if circulated to surface).
jeffrey.harrison	A FIT or LOT test on 8 5/8 Intermediate Shoe must be performed to ensure integrity at the shoe.
jeffrey.harrison	The primary cement job for the production string must be conventionally pumped and circulated into place for whichever well design is employed for this permitted well and achieve a minimum of 200' of tieback into the previous string.
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
jeffrey.harrison	Cement is required to circulate on both surface and intermediate1 strings of casing.
jeffrey.harrison	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
jeffrey.harrison	Administrative order required for non-standard spacing unit prior to production.

eog resources

EOG Batch Casing

Pad Name: Padron 3 State Unit Shallow

SHL: Section 3, Township 25-S, Range 27-E, EDDY County, NM

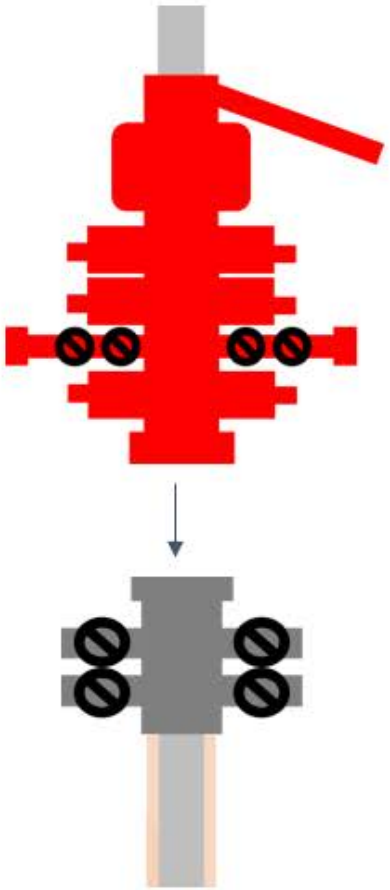
Well Name	API #	Conductor		Intermediate		Production	
		MD	TVD	MD	TVD	MD	TVD
Padron 3 State BS Unit #504H	30-015-*****	200	200	2,212	2,158	23,335	7,730
Padron 3 State BS Unit #505H	30-015-*****	200	200	2,168	2,158	23,296	7,730
Padron 3 State BS Unit #506H	30-015-*****	200	200	2,233	2,158	23,361	7,730
Padron 3 State BS Unit #507H	30-015-*****	200	200	2,412	2,158	23,524	7,730
Padron 3 State BS Unit #582H	30-015-*****	200	200	2,415	2,158	23,518	7,730
Padron 3 State BS Unit #583H	30-015-*****	200	200	2,215	2,158	23,343	7,730
Padron 3 State BS Unit #584H	30-015-*****	200	200	2,173	2,158	23,305	7,730

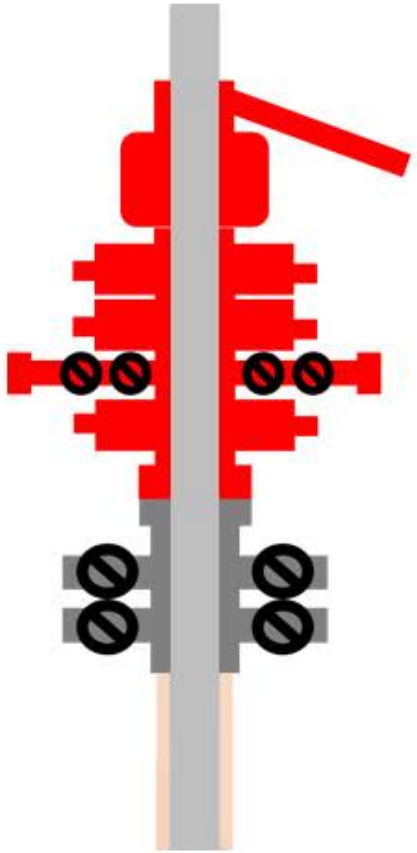
Break-test BOP & Offline Cementing:

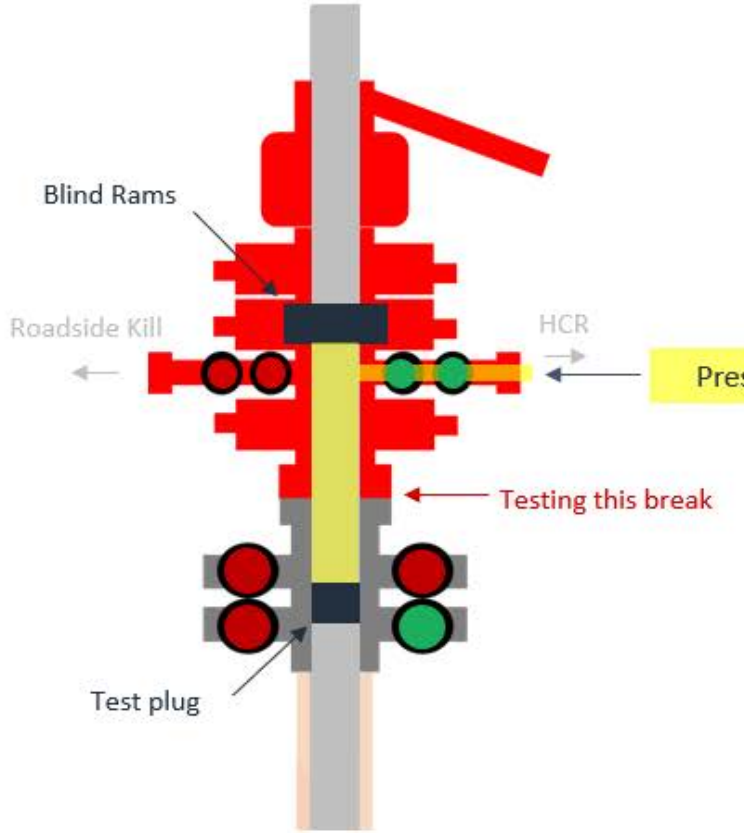
EOG Resources Inc. (EOG) respectfully requests a variance from the minimum standards for well control equipment testing of ECFR Title 43 Part 3172.6(b)(9)(iv) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with Batch Drilling & Offline cement operations to include the following:

- Full BOPE test at first installation on the pad.
- Full BOPE test every 30 days.
- This test will be conducted for 5M rated hole intervals only.
- Each rig requesting the break-test variance is capable of picking up the BOP without damaging components using winches, following API Standard 53, Well Control Equipment Systems for Drilling Wells (Fifth edition, December 2018, Annex C. Table C.4) which recognizes break testing as an acceptable practice.
- Function tests will be performed on the following BOP elements:
    - Annular à during each full BOPE test
    - Upper Pipe Rams à On trip ins where FIT required
    - Blind Rams à Every trip
    - Lower Pipe Rams à during each full BOPE test
- Break testing BOP and BOPE coupled with batch drilling operations and option to offline cement and/or remediate (if needed) any surface or intermediate sections, according to attached offline cementing support documentation.
- After the well section is secured, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad.
- TA cap will also be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

Break Test Diagram (HCR valve)



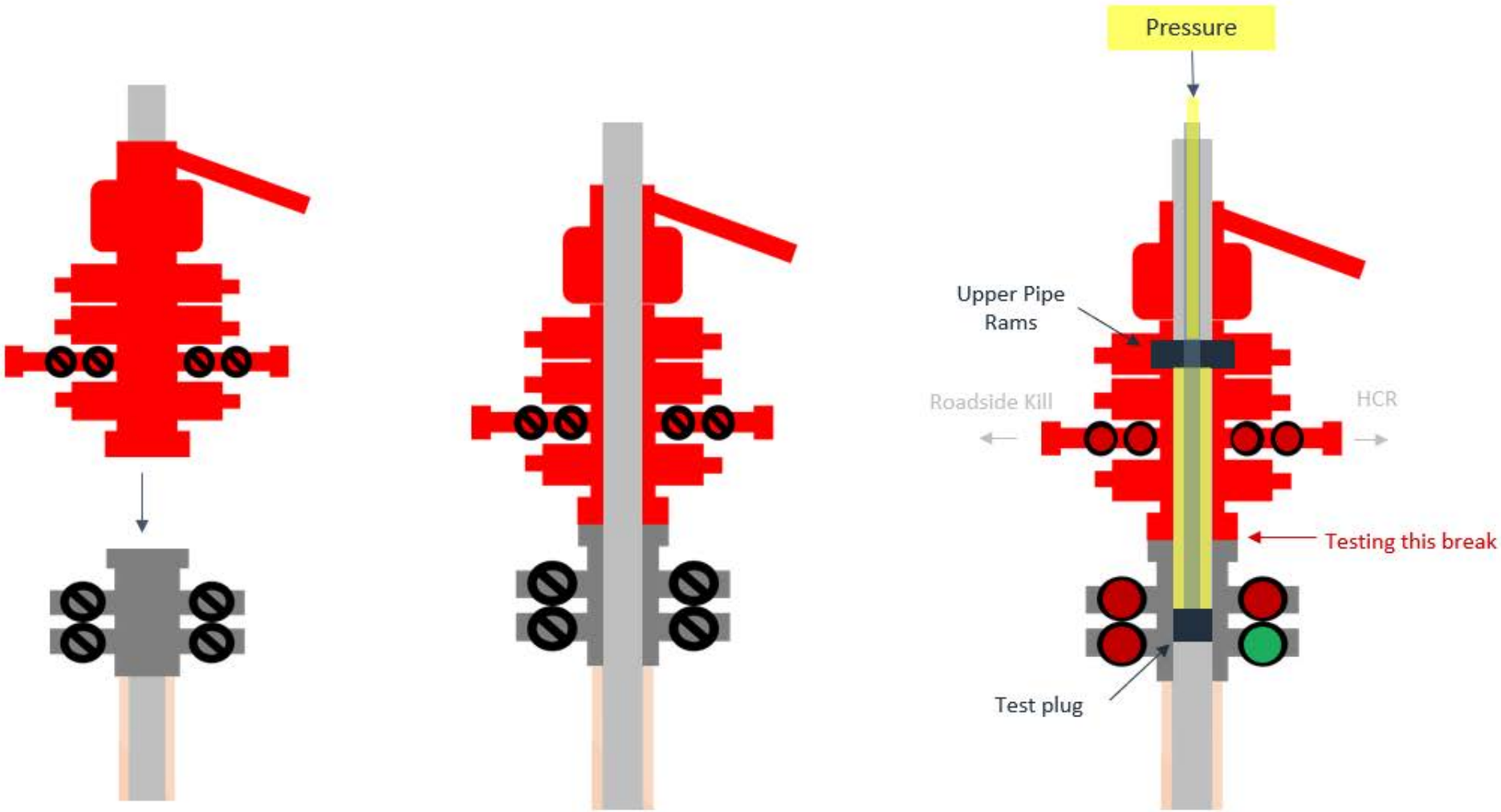




Steps

1. Set plug in wellhead (lower barrier)
2. Close Blind Rams (upper barrier)
3. Close roadside kill
4. Open HCR (pressure application)
5. Open wellhead valves below test plug to ensure if leak past test plug, pressure won't be applied to wellbore
6. Tie BOP testers high pressure line to main choke manifold crown valve
7. Pressure up to test break
8. Bleed test pressure from BOP testing unit

Break Test Diagram (Test Joint)



Steps

1. Set plug in with test joint wellhead (lower barrier)
2. Close Upper Pipe Rams (upper barrier)
3. Close roadside kill
4. Close HCR
5. Open wellhead valves below test plug to ensure if leak past test plug, pressure won't be applied to wellbore
6. Tie BOP testers high pressure line to top of test joint
7. Pressure up to test break
8. Bleed test pressure from BOP testing unit

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: ___EOG Resources, Inc._____ **OGRID:** _____7377_____ **Date:** 6/24/2025

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
PADRON 3 STATE BS UNIT 507H		E-3-25S-27E	1937' FNL & 376' FWL	+/- 1000	+/- 3500	+/- 3000

IV. Central Delivery Point Name: ___Padron 3 State BS Unit CTB_____ [See 19.15.27.9(D)(1) NMAC]

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
PADRON 3 STATE BS UNIT 507H		7/10/25	7/25/25	11/01/25	12/01/25	1/01/26

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

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

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

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

Signature: Star L Harrell
Printed Name: Star L Harrell
Title: Regulatory Advisor
E-mail Address: Star_Harrell@eogresources.com
Date: 6/24/2025
Phone: (432) 848-9161

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

Natural Gas Management Plan
Items VI-VIII

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

- Separation equipment will be sized to provide adequate separation for anticipated rates.
- Adequate separation relates to retention time for Liquid – Liquid separation and velocity for Gas-Liquid separation.
- Collection systems are appropriately sized to handle facility production rates on all (3) phases.
- Ancillary equipment and metering is selected to be serviced without flow interruptions or the need to release gas from the well.

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

Drilling Operations

- All flare stacks will be properly sized. The flare stacks will be located at a minimum 100' from the nearest surface hole location on the pad.
- All natural gas produced during drilling operations will be flared, unless there is an equipment malfunction and/or to avoid risk of an immediate and substantial adverse impact on safety and the environment, at which point the gas will be vented.

Completions/Recompletions Operations

- New wells will not be flowed back until they are connected to a properly sized gathering system.
- The facility will be built/sized for maximum anticipated flowrates and pressures to minimize waste.
- For flowback operations, multiple stages of separation will be used as well as excess VRU and blowers to make sure waste is minimized off the storage tanks and facility.
- During initial flowback, the well stream will be routed to separation equipment.
- At an existing facility, when necessary, post separation natural gas will be flared until it meets pipeline specifications, at which point it will be turned into a collection system.
- At a new facility, post separation natural gas will be vented until storage tanks can safely function, at which point it will be flared until it meets pipeline spec.

Production Operations

- Weekly AVOs will be performed on all facilities.
- All flares will be equipped with auto-ignition systems and continuous pilot operations.
- After a well is stabilized from liquid unloading, the well will be turned back into the collection system.
- All plunger lift systems will be optimized to limit the amount of waste.
- All tanks will have automatic gauging equipment installed.
- Leaking thief hatches found during AVOs will be cleaned and properly re-sealed.

Performance Standards

- Production equipment will be designed to handle maximum anticipated rates and pressure.
- All flared gas will be combusted in a flare stack that is properly sized and designed to ensure proper combustion.
- Weekly AVOs will be performed on all wells and facilities that produce more than 60 Mcfd.

Measurement & Estimation

- All volume that is flared and vented that is not measured will be estimated.
- All measurement equipment for flared volumes will conform to API 14.10.
- No meter bypasses with be installed.

- When metering is not practical due to low pressure/low rate, the vented or flared volume will be estimated.

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

- During downhole well maintenance, EOG will use best management practices to vent as minimally as possible.
- Prior to the commencement of any maintenance, the tank or vessel will be isolated from the rest of the facilities.
- All valves upstream of the equipment will be closed and isolated.
- After equipment has been isolated, the equipment will be blown down to as low a pressure as possible into the collection system.
- If the equipment being maintained cannot be relieved into the collection system, it shall be released to a tank where the vapor can either be captured or combusted if possible.
- After downhole well maintenance, natural gas will be flared until it reaches pipeline specification.

eog resources

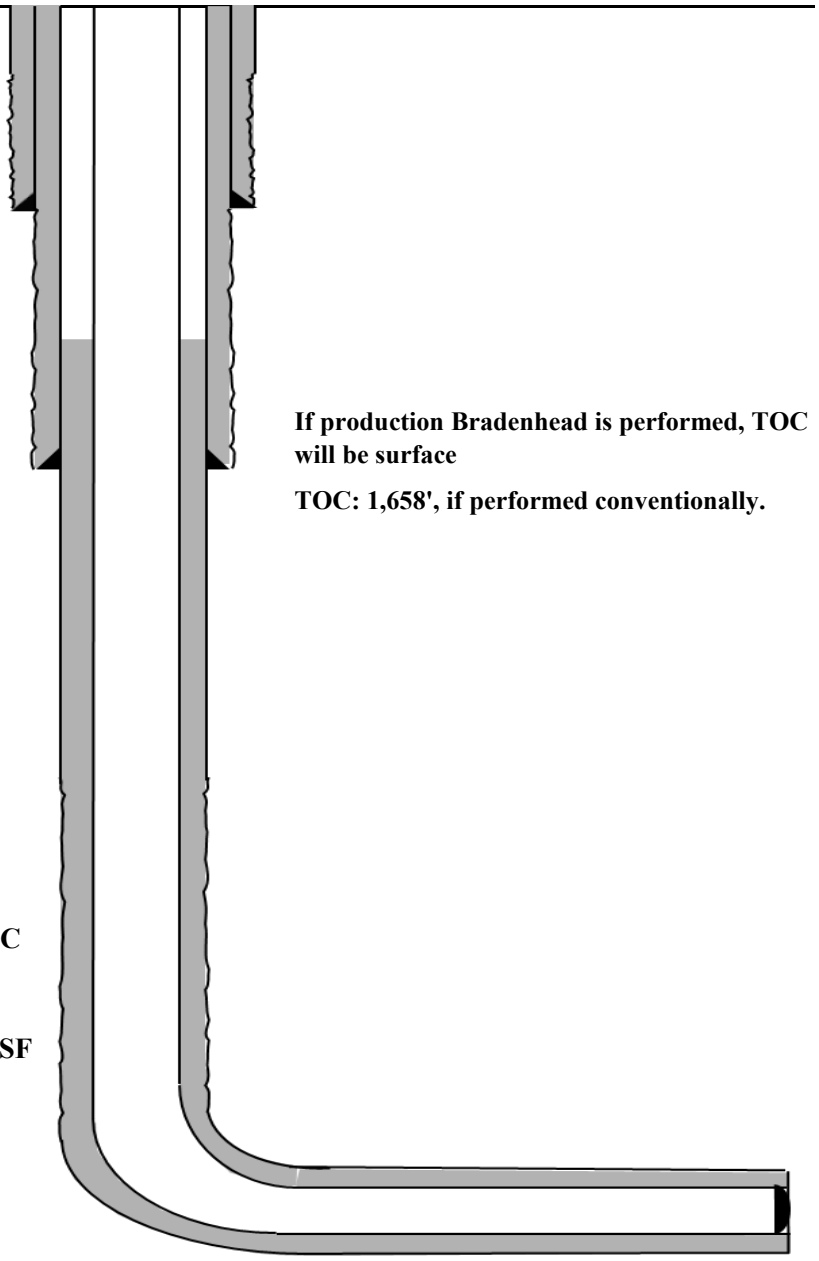
Padron 3 State BS Unit #507H
EDDY County, New Mexico

1937' FNL
376' FWL
Section 3
T-25-S, R-27-E

Proposed Wellbore
Design A

API: 30-015-***

KB: 3271'
GL: 3246'



Bit Size: 20"
13-3/8", 54.5#, J-55, BTC
@ 0' - 200' MD
@ 0' - 200' TVD

Bit Size: 9-7/8"
8-5/8", 32.#, J-55, BTC-SC
@ 0' - 2,412' MD
@ 0' - 2,158' TVD

If production Bradenhead is performed, TOC will be surface

TOC: 1,658', if performed conventionally.

Bit Size: 7-7/8"|Bit Size: 6-3/4"
6", 24.5#, P110-EC, VAM Sprint-TC
@ 0' - 7,738' MD
@ 0' - 7,253' TVD
5-1/2", 20.#, P110-EC, VAM Sprint SF
@ 7,738' - 23,524' MD
@ 7,253' - 7,730' TVD

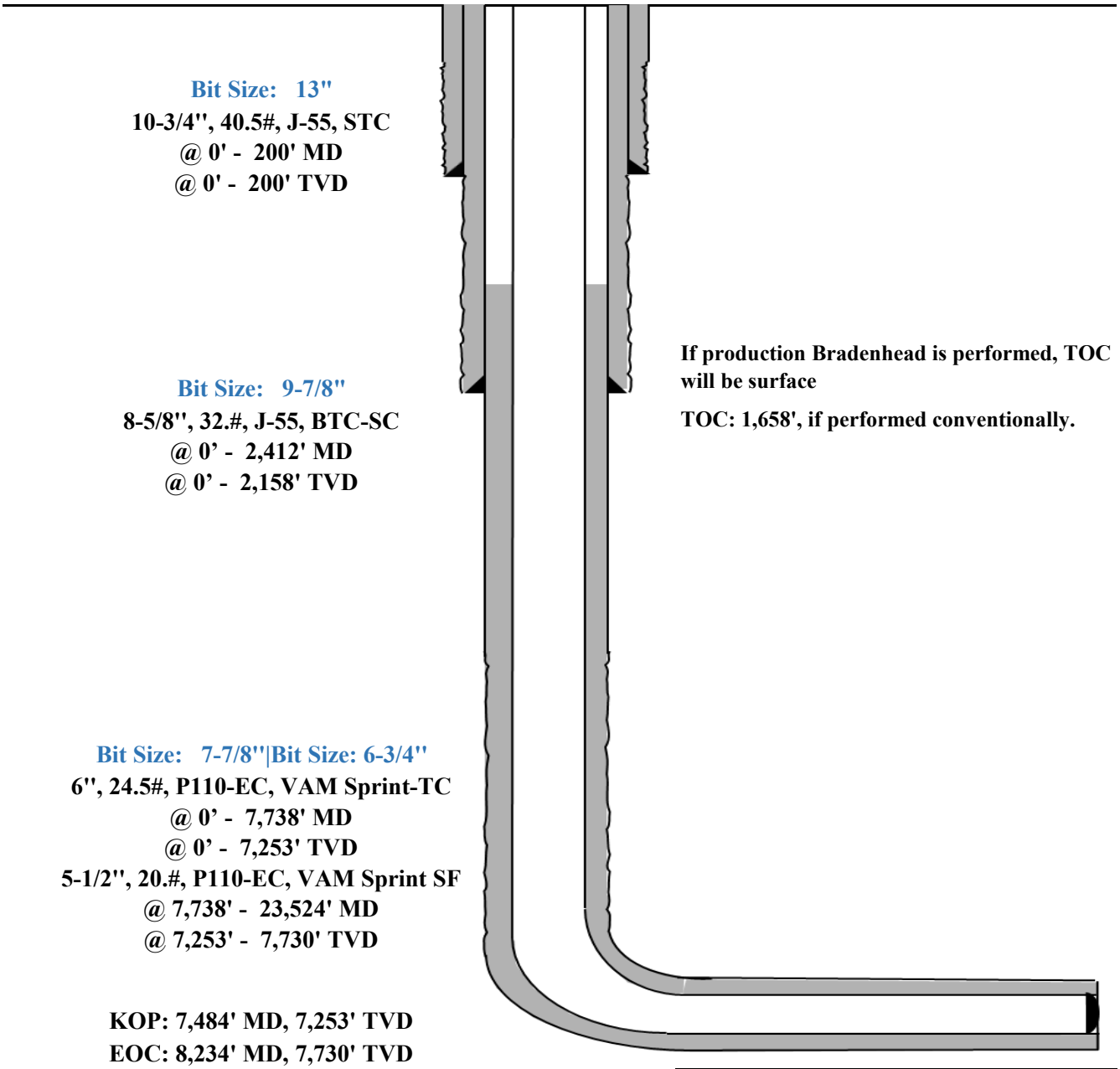
KOP: 7,484' MD, 7,253' TVD
EOC: 8,234' MD, 7,730' TVD

Lateral: 23,524' MD, 7,730' TVD
BH Location: 330' FNL & 100' FEL
Sec. 1
T-25-S R-27-E

eog resources

Padron 3 State BS Unit #507H
EDDY County, New Mexico

1937' FNL	Proposed Wellbore	KB: 3271'
376' FWL	Design B	GL: 3246'
Section 3		
T-25-S, R-27-E	API: 30-015-*****	



Bit Size: 13"
10-3/4", 40.5#, J-55, STC
@ 0' - 200' MD
@ 0' - 200' TVD

Bit Size: 9-7/8"
8-5/8", 32.#, J-55, BTC-SC
@ 0' - 2,412' MD
@ 0' - 2,158' TVD

Bit Size: 7-7/8"|Bit Size: 6-3/4"
6", 24.5#, P110-EC, VAM Sprint-TC
@ 0' - 7,738' MD
@ 0' - 7,253' TVD
5-1/2", 20.#, P110-EC, VAM Sprint SF
@ 7,738' - 23,524' MD
@ 7,253' - 7,730' TVD

KOP: 7,484' MD, 7,253' TVD
EOC: 8,234' MD, 7,730' TVD

If production Bradenhead is performed, TOC will be surface

TOC: 1,658', if performed conventionally.

Lateral: 23,524' MD, 7,730' TVD
BH Location: 330' FNL & 100' FEL
Sec. 1
T-25-S R-27-E

eog resources

Padron 3 State BS Unit #507H

Permit Information:

Well Name: Padron 3 State BS Unit #507H

Location:

SHL: 1937' FNL & 376' FWL, Section 3, T-25-S, R-27-E, EDDY Co., N.M.

BHL: 330' FNL & 100' FEL, Section 1, T-25-S, R-27-E, EDDY Co., N.M.

Primary Permit Design A

Casing Program:

Hole Size	Interval MD From (ft)	Interval MD To (ft)	Interval TVD From (ft)	Interval TVD To (ft)	Csg OD	Weight	Grade	Conn
20"	0	200	0	200	13-3/8"	54.5#	J-55	BTC
9-7/8"	0	2,412	0	2,158	8-5/8"	32#	J-55	BTC-SC
7-7/8"	0	7,738	0	7,253	6"	24.5#	P110-EC	VAM Sprint-TC
6-3/4"	7,738	23,524	7,253	7,730	5-1/2"	20#	P110-EC	VAM Sprint SF

**For highlighted rows above, variance is requested to run entire string of either 6'' or 5-1/2'' casing string above due to availablility.

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
200'	70	14.8	1.73	Class C/H + additives (TOC @ Surface)
	110	14.8	1.34	Class C/H + additives
2,410'	180	12.7	1.11	Lead: Class C/H + additives (TOC @ Surface)
	140	14.8	1.5	Tail: Class C/H + additives (TOC @ 1,726')
23,524'	1000	14.8	1.32	Bradenhead squeeze: Class C/H + additives (TOC @ surface)
	1890	13.2	1.52	Tail: Class C/H + additives

Mud Program:

Depth	Type	Wt (ppg)	Viscosity	Water Loss
0 – 200'	Fresh - Gel	8.6-8.8	28-34	N/c
200' – 2,158'	Brine	9.8-10.8	28-34	N/c
2,158’ – 23,524’ Lateral	Water Base	8.8-9.5	58-68	N/c - 6

Bradenhead will be the primary option for production cementing. EOG also requests to have the conventional option in place to accommodate for logistical or wellbore conditions. The tie back requirements will be met if the cement is pumped conventionally, and cement volumes will be adjusted accordingly. TOC will be verified by CBL.

eog resources

Padron 3 State BS Unit #507H

Primary Permit Design B

CASING PROGRAM

Hole Size	Interval MD From (ft)	Interval MD To (ft)	Interval TVD From (ft)	Interval TVD To (ft)	Csg OD	Weight	Grade	Conn
13"	0	200	0	200	10-3/4"	40.5#	J-55	STC
9-7/8"	0	2,412	0	2,158	8-5/8"	32#	J-55	BTC-SC
7-7/8"	0	7,738	0	7,253	6"	24.5#	P110-EC	VAM Sprint-TC
6-3/4"	7,738	23,524	7,253	7,730	5-1/2"	20#	P110-EC	VAM Sprint SF

**For highlighted rows above, variance is requested to run entire string of either 6" or 5-1/2" casing string above due to availablility.

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
200'	80	14.8	1.73	Class C/H + additives (TOC @ Surface)
	50	14.8	1.34	Class C/H + additives
2,410'	960	12.7	1.11	Tail: Class C/H + additives (TOC @ Surface)
	1000	14.8	1.5	Lead: Class C/H + additives (TOC @ 1,726')
23,524'	1000	14.8	1.32	Bradenhead squeeze: Class C/H + additives (TOC @ surface)
	1890	13.2	1.52	Tail: Class C/H + additives

Mud Program:

Depth	Type	Weight (ppg	Viscosity	Water Loss
0 – 200'	Fresh - Gel	8.6-8.8	28-34	N/c
200' – 2,158'	Brine	9.8-10.8	28-34	N/c
2,158' – 23,524' Lateral	Water Base	8.8-9.5	58-68	N/c - 6

Bradenhead will be the primary option for production cementing. EOG also requests to have the conventional option in place to accommodate for logistical or wellbore conditions. The tie back requirements will be met if the cement is pumped conventionally, and cement volumes will be adjusted accordingly. TOC will be verified by CBL.

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Padron 3 State BS Unit 507H

EOG requests variance from minimum standards to pump a two stage cement job on the 6" and 5-1/2" production casing strings with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (4,141') and the second stage performed as a 1000 sack bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary, a top out consisting of 400 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (1.32 yld, 14.8 ppg) will be executed as a contingency. Top will be verified by Echo-meter.

Bradenhead will be the primary option for production cementing. EOG also requests to have the conventional option in place to accommodate for logistical or wellbore conditions. The tie back requirements will be met if the cement is pumped conventionally, and cement volumes will be adjusted accordingly. TOC will be verified by CBL.

TUBING REQUIREMENTS

EOG respectively requests an exception to the following NMOCD rule:

- 19.15.16.10 Casing AND TUBING RQUIREMENTS:
  J (3): "The operator shall set tubing as near the bottom as practical and tubing perforations shall not be more than 250 feet above top of pay zone."

With horizontal flowing and gas lifted wells an end of tubing depth placed at or slightly above KOP is a conservative way to ensure the tubing stays clean from debris, plugging, and allows for fewer well interventions post offset completion. The deeper the tubulars are run into the curve, the higher the probability is that the tubing will become stuck in sand and or well debris as the well produces over time. An additional consideration for EOT placement during artificial lift installations is avoiding the high dog leg severity and inclinations found in the curve section of the wellbore to help improve reliability and performance. Dog leg severity and inclinations tend not to hamper gas lifted or flowing wells, but they do effect other forms of artificial lift like rod pump or ESP (electric submersible pump). Keeping the EOT above KOP is an industry best practice for those respective forms of artificial lift.

eog resources

Padron 3 State BS Unit #507H

Hydrogen Sulfide Plan Summary

A. All personnel shall receive proper H2S training in accordance with Onshore Order III.C.3.a.
B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
C. Required Emergency Equipment:

■ Well control equipment
a. Flare line 150' from wellhead to be ignited by flare gun.
b. Choke manifold with a remotely operated choke.
c. Mud/gas separator
■ Protective equipment for essential personnel.
Breathing apparatus:
a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
b. Work/Escape packs —4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
c. Emergency Escape Packs —4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:
a. Stretcher
b. Two OSHA full body harness
c. 100 ft 5/8 inch OSHA approved rope
d. 1-20# class ABC fire extinguisher

■ H2S detection and monitoring equipment:
The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.
(Gas sample tubes will be stored in the safety trailer)

■ Visual warning systems.
a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
c. Two wind socks will be placed in strategic locations, visible from all angles.

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Padron 3 State BS Unit #507H

- Mud program:
  The mud program has been designed to minimize the volume of H2S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H2S bearing zones.

- Metallurgy:
  All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

- Communication:
  Communication will be via cell phones and land lines where available.

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Padron 3 State BS Unit #507H

Emergency Assistance Telephone List

PUBLIC SAFETY:		**911 or**
Lea County Sheriff's Department		(575) 396-3611
Rod Coffman		
Fire Department:		
Carlsbad		(575) 885-3125
Artesia		(575) 746-5050
Hospitals:		
Carlsbad		(575) 887-4121
Artesia		(575) 748-3333
Hobbs		(575) 392-1979
Dept. of Public Safety/Carlsbad		(575) 748-9718
Highway Department		(575) 885-3281
New Mexico Oil Conservation		(575) 476-3440
NMOCD Inspection Group - South		(575) 626-0830
U.S. Dept. of Labor		(575) 887-1174
EOG Resources, Inc.		
EOG / Midland	Office	(432) 686-3600
Company Drilling Consultants:		
David Dominque	Cell	(985) 518-5839
Mike Vann	Cell	(817) 980-5507
Drilling Engineer		
Stephen Davis	Cell	(432) 235-9789
Matt Day	Cell	(432) 296-4456
Drilling Manager		
Branden Keener	Office	(432) 686-3752
	Cell	(210) 294-3729
Drilling Superintendent		
Steve Kelly	Office	(432) 686-3706
	Cell	(210) 416-7894
H&P Drilling		
H&P Drilling	Office	(432) 563-5757
H&P 651 Drilling Rig	Rig	(903) 509-7131
Tool Pusher:		
Johnathan Craig	Cell	(817) 760-6374
Brad Garrett		
Safety:		
Brian Chandler (HSE Manager)	Office	(432) 686-3695
	Cell	(817) 239-0251

Midland

Eddy County, NM (NAD 83 NME)
Padron 3 State BS Unit
#507H

OH

Plan: Plan #0.1 RT

Standard Planning Report

23 June, 2025

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #507H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3272.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3272.0usft
Site:	Padron 3 State BS Unit	**North Reference:**	Grid
Well:	#507H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Project Eddy County, NM (NAD 83 NME)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Padron 3 State BS Unit

Site Position:		**Northing:**	423,611.00 usft	**Latitude:**	32° 9' 52.195 N
From:	Map	**Easting:**	587,009.00 usft	**Longitude:**	104° 11' 8.650 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well #507H

Well Position	**+N/-S**	0.0 usft	**Northing:**	422,372.00 usft	**Latitude:**	32° 9' 39.934 N
	+E/-W	0.0 usft	**Easting:**	587,016.00 usft	**Longitude:**	104° 11' 8.589 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,246.0 usft
Grid Convergence:		0.08 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	6/23/2025	6.53	59.61	46,924.27733252

Design Plan #0.1 RT

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	83.78

Plan Survey Tool Program **Date** 6/23/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	23,523.5	Plan #0.1 RT (OH)	EOG MWD+IFR1	
				MWD + IFR1	

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #507H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3272.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3272.0usft
Site:	Padron 3 State BS Unit	**North Reference:**	Grid
Well:	#507H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,844.8	16.90	348.22	1,832.6	121.1	-25.3	2.00	2.00	0.00	348.22	
6,638.5	16.90	348.22	6,419.4	1,484.9	-309.7	0.00	0.00	0.00	0.00	
7,483.3	0.00	0.00	7,252.0	1,606.0	-335.0	2.00	-2.00	0.00	180.00	
7,483.8	0.00	0.00	7,252.5	1,606.0	-335.0	0.00	0.00	0.00	0.00	KOP(Padron 3 State I
7,704.3	26.46	90.00	7,465.2	1,606.0	-285.0	12.00	12.00	40.83	90.00	FTP(Padron 3 State E
8,233.8	90.00	89.72	7,729.9	1,607.5	142.4	12.00	12.00	-0.05	-0.32	
10,368.4	90.00	89.72	7,730.0	1,618.0	2,277.0	0.00	0.00	0.00	0.00	Fed Perf 1(Padron 3 S
13,024.4	90.00	89.68	7,730.0	1,632.0	4,933.0	0.00	0.00	0.00	-85.46	Fed Perf 2(Padron 3 S
23,523.5	90.00	89.76	7,730.0	1,683.0	15,432.0	0.00	0.00	0.00	92.03	PBHL(Padron 3 State

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #507H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3272.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3272.0usft
Site:	Padron 3 State BS Unit	**North Reference:**	Grid
Well:	#507H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	2.00	348.22	1,100.0	1.7	-0.4	-0.2	2.00	2.00	0.00
1,200.0	4.00	348.22	1,199.8	6.8	-1.4	-0.7	2.00	2.00	0.00
1,300.0	6.00	348.22	1,299.5	15.4	-3.2	-1.5	2.00	2.00	0.00
1,400.0	8.00	348.22	1,398.7	27.3	-5.7	-2.7	2.00	2.00	0.00
1,500.0	10.00	348.22	1,497.5	42.6	-8.9	-4.2	2.00	2.00	0.00
1,600.0	12.00	348.22	1,595.6	61.3	-12.8	-6.1	2.00	2.00	0.00
1,700.0	14.00	348.22	1,693.1	83.3	-17.4	-8.2	2.00	2.00	0.00
1,800.0	16.00	348.22	1,789.6	108.6	-22.7	-10.7	2.00	2.00	0.00
1,844.8	16.90	348.22	1,832.6	121.1	-25.3	-12.0	2.00	2.00	0.00
1,900.0	16.90	348.22	1,885.4	136.8	-28.5	-13.5	0.00	0.00	0.00
2,000.0	16.90	348.22	1,981.1	165.2	-34.5	-16.3	0.00	0.00	0.00
2,100.0	16.90	348.22	2,076.8	193.7	-40.4	-19.2	0.00	0.00	0.00
2,200.0	16.90	348.22	2,172.5	222.1	-46.3	-22.0	0.00	0.00	0.00
2,300.0	16.90	348.22	2,268.2	250.6	-52.3	-24.8	0.00	0.00	0.00
2,400.0	16.90	348.22	2,363.8	279.0	-58.2	-27.6	0.00	0.00	0.00
2,500.0	16.90	348.22	2,459.5	307.5	-64.1	-30.4	0.00	0.00	0.00
2,600.0	16.90	348.22	2,555.2	335.9	-70.1	-33.2	0.00	0.00	0.00
2,700.0	16.90	348.22	2,650.9	364.4	-76.0	-36.1	0.00	0.00	0.00
2,800.0	16.90	348.22	2,746.6	392.8	-81.9	-38.9	0.00	0.00	0.00
2,900.0	16.90	348.22	2,842.3	421.3	-87.9	-41.7	0.00	0.00	0.00
3,000.0	16.90	348.22	2,937.9	449.7	-93.8	-44.5	0.00	0.00	0.00
3,100.0	16.90	348.22	3,033.6	478.2	-99.7	-47.3	0.00	0.00	0.00
3,200.0	16.90	348.22	3,129.3	506.6	-105.7	-50.1	0.00	0.00	0.00
3,300.0	16.90	348.22	3,225.0	535.1	-111.6	-52.9	0.00	0.00	0.00
3,400.0	16.90	348.22	3,320.7	563.5	-117.5	-55.8	0.00	0.00	0.00
3,500.0	16.90	348.22	3,416.4	592.0	-123.5	-58.6	0.00	0.00	0.00
3,600.0	16.90	348.22	3,512.0	620.4	-129.4	-61.4	0.00	0.00	0.00
3,700.0	16.90	348.22	3,607.7	648.9	-135.4	-64.2	0.00	0.00	0.00
3,800.0	16.90	348.22	3,703.4	677.3	-141.3	-67.0	0.00	0.00	0.00
3,900.0	16.90	348.22	3,799.1	705.8	-147.2	-69.8	0.00	0.00	0.00
4,000.0	16.90	348.22	3,894.8	734.2	-153.2	-72.7	0.00	0.00	0.00
4,100.0	16.90	348.22	3,990.5	762.7	-159.1	-75.5	0.00	0.00	0.00
4,200.0	16.90	348.22	4,086.1	791.1	-165.0	-78.3	0.00	0.00	0.00
4,300.0	16.90	348.22	4,181.8	819.6	-171.0	-81.1	0.00	0.00	0.00
4,400.0	16.90	348.22	4,277.5	848.1	-176.9	-83.9	0.00	0.00	0.00
4,500.0	16.90	348.22	4,373.2	876.5	-182.8	-86.7	0.00	0.00	0.00
4,600.0	16.90	348.22	4,468.9	905.0	-188.8	-89.5	0.00	0.00	0.00
4,700.0	16.90	348.22	4,564.6	933.4	-194.7	-92.4	0.00	0.00	0.00
4,800.0	16.90	348.22	4,660.2	961.9	-200.6	-95.2	0.00	0.00	0.00
4,900.0	16.90	348.22	4,755.9	990.3	-206.6	-98.0	0.00	0.00	0.00
5,000.0	16.90	348.22	4,851.6	1,018.8	-212.5	-100.8	0.00	0.00	0.00
5,100.0	16.90	348.22	4,947.3	1,047.2	-218.4	-103.6	0.00	0.00	0.00
5,200.0	16.90	348.22	5,043.0	1,075.7	-224.4	-106.4	0.00	0.00	0.00

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #507H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3272.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3272.0usft
Site:	Padron 3 State BS Unit	**North Reference:**	Grid
Well:	#507H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	16.90	348.22	5,138.7	1,104.1	-230.3	-109.2	0.00	0.00	0.00
5,400.0	16.90	348.22	5,234.3	1,132.6	-236.2	-112.1	0.00	0.00	0.00
5,500.0	16.90	348.22	5,330.0	1,161.0	-242.2	-114.9	0.00	0.00	0.00
5,600.0	16.90	348.22	5,425.7	1,189.5	-248.1	-117.7	0.00	0.00	0.00
5,700.0	16.90	348.22	5,521.4	1,217.9	-254.0	-120.5	0.00	0.00	0.00
5,800.0	16.90	348.22	5,617.1	1,246.4	-260.0	-123.3	0.00	0.00	0.00
5,900.0	16.90	348.22	5,712.8	1,274.8	-265.9	-126.1	0.00	0.00	0.00
6,000.0	16.90	348.22	5,808.4	1,303.3	-271.9	-129.0	0.00	0.00	0.00
6,100.0	16.90	348.22	5,904.1	1,331.7	-277.8	-131.8	0.00	0.00	0.00
6,200.0	16.90	348.22	5,999.8	1,360.2	-283.7	-134.6	0.00	0.00	0.00
6,300.0	16.90	348.22	6,095.5	1,388.6	-289.7	-137.4	0.00	0.00	0.00
6,400.0	16.90	348.22	6,191.2	1,417.1	-295.6	-140.2	0.00	0.00	0.00
6,500.0	16.90	348.22	6,286.9	1,445.5	-301.5	-143.0	0.00	0.00	0.00
6,600.0	16.90	348.22	6,382.5	1,474.0	-307.5	-145.8	0.00	0.00	0.00
6,638.5	16.90	348.22	6,419.4	1,484.9	-309.7	-146.9	0.00	0.00	0.00
6,700.0	15.67	348.22	6,478.4	1,501.8	-313.3	-148.6	2.00	-2.00	0.00
6,800.0	13.67	348.22	6,575.1	1,526.6	-318.4	-151.1	2.00	-2.00	0.00
6,900.0	11.67	348.22	6,672.7	1,548.1	-322.9	-153.2	2.00	-2.00	0.00
7,000.0	9.67	348.22	6,771.0	1,566.2	-326.7	-155.0	2.00	-2.00	0.00
7,100.0	7.67	348.22	6,869.8	1,580.9	-329.8	-156.4	2.00	-2.00	0.00
7,200.0	5.67	348.22	6,969.1	1,592.3	-332.1	-157.6	2.00	-2.00	0.00
7,300.0	3.67	348.22	7,068.8	1,600.3	-333.8	-158.3	2.00	-2.00	0.00
7,400.0	1.67	348.22	7,168.7	1,604.8	-334.8	-158.8	2.00	-2.00	0.00
7,483.3	0.00	0.00	7,252.0	1,606.0	-335.0	-158.9	2.00	-2.00	0.00
7,483.8	0.00	0.00	7,252.5	1,606.0	-335.0	-158.9	0.00	0.00	0.00
7,500.0	1.94	90.00	7,268.7	1,606.0	-334.7	-158.6	12.00	12.00	0.00
7,525.0	4.94	90.00	7,293.6	1,606.0	-333.2	-157.1	12.00	12.00	0.00
7,550.0	7.94	90.00	7,318.5	1,606.0	-330.4	-154.4	12.00	12.00	0.00
7,575.0	10.94	90.00	7,343.1	1,606.0	-326.3	-150.3	12.00	12.00	0.00
7,600.0	13.94	90.00	7,367.5	1,606.0	-320.9	-144.9	12.00	12.00	0.00
7,625.0	16.94	90.00	7,391.6	1,606.0	-314.3	-138.3	12.00	12.00	0.00
7,650.0	19.94	90.00	7,415.3	1,606.0	-306.4	-130.4	12.00	12.00	0.00
7,675.0	22.94	90.00	7,438.6	1,606.0	-297.2	-121.4	12.00	12.00	0.00
7,700.0	25.95	90.00	7,461.4	1,606.0	-286.9	-111.1	12.00	12.00	0.00
7,704.3	26.46	90.00	7,465.2	1,606.0	-285.0	-109.2	12.00	12.00	0.00
7,725.0	28.95	89.97	7,483.6	1,606.0	-275.4	-99.6	12.00	12.00	-0.14
7,750.0	31.95	89.94	7,505.1	1,606.0	-262.7	-87.0	12.00	12.00	-0.12
7,775.0	34.95	89.92	7,526.0	1,606.0	-248.9	-73.3	12.00	12.00	-0.10
7,800.0	37.95	89.90	7,546.1	1,606.1	-234.1	-58.6	12.00	12.00	-0.08
7,825.0	40.95	89.88	7,565.4	1,606.1	-218.2	-42.8	12.00	12.00	-0.07
7,850.0	43.95	89.86	7,583.8	1,606.1	-201.3	-26.0	12.00	12.00	-0.06
7,875.0	46.94	89.85	7,601.4	1,606.2	-183.5	-8.3	12.00	12.00	-0.06
7,900.0	49.94	89.84	7,617.9	1,606.2	-164.8	10.3	12.00	12.00	-0.05
7,925.0	52.94	89.82	7,633.5	1,606.3	-145.3	29.8	12.00	12.00	-0.05
7,950.0	55.94	89.81	7,648.1	1,606.3	-124.9	50.0	12.00	12.00	-0.04
7,975.0	58.94	89.80	7,661.5	1,606.4	-103.8	70.9	12.00	12.00	-0.04
8,000.0	61.94	89.79	7,673.8	1,606.5	-82.1	92.6	12.00	12.00	-0.04
8,025.0	64.94	89.78	7,685.0	1,606.6	-59.7	114.8	12.00	12.00	-0.04
8,050.0	67.94	89.77	7,695.0	1,606.7	-36.8	137.6	12.00	12.00	-0.04
8,075.0	70.94	89.77	7,703.8	1,606.8	-13.4	160.9	12.00	12.00	-0.03
8,100.0	73.94	89.76	7,711.3	1,606.9	10.4	184.6	12.00	12.00	-0.03
8,125.0	76.94	89.75	7,717.6	1,607.0	34.6	208.6	12.00	12.00	-0.03
8,150.0	79.94	89.74	7,722.6	1,607.1	59.1	233.0	12.00	12.00	-0.03
8,175.0	82.94	89.73	7,726.3	1,607.2	83.8	257.6	12.00	12.00	-0.03

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #507H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3272.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3272.0usft
Site:	Padron 3 State BS Unit	**North Reference:**	Grid
Well:	#507H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,200.0	85.94	89.73	7,728.7	1,607.3	108.7	282.3	12.00	12.00	-0.03
8,225.0	88.94	89.72	7,729.9	1,607.4	133.7	307.1	12.00	12.00	-0.03
8,233.8	90.00	89.72	7,729.9	1,607.5	142.4	315.9	12.00	12.00	-0.03
8,300.0	90.00	89.72	7,729.9	1,607.8	208.7	381.7	0.00	0.00	0.00
8,400.0	90.00	89.72	7,729.9	1,608.3	308.7	481.2	0.00	0.00	0.00
8,500.0	90.00	89.72	7,730.0	1,608.8	408.7	580.7	0.00	0.00	0.00
8,600.0	90.00	89.72	7,730.0	1,609.3	508.7	680.1	0.00	0.00	0.00
8,700.0	90.00	89.72	7,730.0	1,609.8	608.7	779.6	0.00	0.00	0.00
8,800.0	90.00	89.72	7,730.0	1,610.3	708.7	879.1	0.00	0.00	0.00
8,900.0	90.00	89.72	7,730.0	1,610.7	808.7	978.5	0.00	0.00	0.00
9,000.0	90.00	89.72	7,730.0	1,611.2	908.7	1,078.0	0.00	0.00	0.00
9,100.0	90.00	89.72	7,730.0	1,611.7	1,008.7	1,177.4	0.00	0.00	0.00
9,200.0	90.00	89.72	7,730.0	1,612.2	1,108.7	1,276.9	0.00	0.00	0.00
9,300.0	90.00	89.72	7,730.0	1,612.7	1,208.7	1,376.4	0.00	0.00	0.00
9,400.0	90.00	89.72	7,730.0	1,613.2	1,308.7	1,475.8	0.00	0.00	0.00
9,500.0	90.00	89.72	7,730.0	1,613.7	1,408.7	1,575.3	0.00	0.00	0.00
9,600.0	90.00	89.72	7,730.0	1,614.2	1,508.6	1,674.8	0.00	0.00	0.00
9,700.0	90.00	89.72	7,730.0	1,614.7	1,608.6	1,774.2	0.00	0.00	0.00
9,800.0	90.00	89.72	7,730.0	1,615.2	1,708.6	1,873.7	0.00	0.00	0.00
9,900.0	90.00	89.72	7,730.0	1,615.7	1,808.6	1,973.2	0.00	0.00	0.00
10,000.0	90.00	89.72	7,730.0	1,616.2	1,908.6	2,072.6	0.00	0.00	0.00
10,100.0	90.00	89.72	7,730.0	1,616.7	2,008.6	2,172.1	0.00	0.00	0.00
10,200.0	90.00	89.72	7,730.0	1,617.2	2,108.6	2,271.5	0.00	0.00	0.00
10,300.0	90.00	89.72	7,730.0	1,617.7	2,208.6	2,371.0	0.00	0.00	0.00
10,368.4	90.00	89.72	7,730.0	1,618.0	2,277.0	2,439.0	0.00	0.00	0.00
10,400.0	90.00	89.72	7,730.0	1,618.2	2,308.6	2,470.5	0.00	0.00	0.00
10,500.0	90.00	89.72	7,730.0	1,618.7	2,408.6	2,569.9	0.00	0.00	0.00
10,600.0	90.00	89.71	7,730.0	1,619.2	2,508.6	2,669.4	0.00	0.00	0.00
10,700.0	90.00	89.71	7,730.0	1,619.7	2,608.6	2,768.9	0.00	0.00	0.00
10,800.0	90.00	89.71	7,730.0	1,620.2	2,708.6	2,868.3	0.00	0.00	0.00
10,900.0	90.00	89.71	7,730.0	1,620.7	2,808.6	2,967.8	0.00	0.00	0.00
11,000.0	90.00	89.71	7,730.0	1,621.2	2,908.6	3,067.2	0.00	0.00	0.00
11,100.0	90.00	89.71	7,730.0	1,621.7	3,008.6	3,166.7	0.00	0.00	0.00
11,200.0	90.00	89.71	7,730.0	1,622.2	3,108.6	3,266.2	0.00	0.00	0.00
11,300.0	90.00	89.70	7,730.0	1,622.7	3,208.6	3,365.6	0.00	0.00	0.00
11,400.0	90.00	89.70	7,730.0	1,623.2	3,308.6	3,465.1	0.00	0.00	0.00
11,500.0	90.00	89.70	7,730.0	1,623.7	3,408.6	3,564.6	0.00	0.00	0.00
11,600.0	90.00	89.70	7,730.0	1,624.3	3,508.6	3,664.0	0.00	0.00	0.00
11,700.0	90.00	89.70	7,730.0	1,624.8	3,608.6	3,763.5	0.00	0.00	0.00
11,800.0	90.00	89.70	7,730.0	1,625.3	3,708.6	3,863.0	0.00	0.00	0.00
11,900.0	90.00	89.70	7,730.0	1,625.9	3,808.6	3,962.4	0.00	0.00	0.00
12,000.0	90.00	89.69	7,730.0	1,626.4	3,908.6	4,061.9	0.00	0.00	0.00
12,100.0	90.00	89.69	7,730.0	1,626.9	4,008.6	4,161.4	0.00	0.00	0.00
12,200.0	90.00	89.69	7,730.0	1,627.5	4,108.6	4,260.8	0.00	0.00	0.00
12,300.0	90.00	89.69	7,730.0	1,628.0	4,208.6	4,360.3	0.00	0.00	0.00
12,400.0	90.00	89.69	7,730.0	1,628.5	4,308.6	4,459.8	0.00	0.00	0.00
12,500.0	90.00	89.69	7,730.0	1,629.1	4,408.6	4,559.2	0.00	0.00	0.00
12,600.0	90.00	89.68	7,730.0	1,629.6	4,508.6	4,658.7	0.00	0.00	0.00
12,700.0	90.00	89.68	7,730.0	1,630.2	4,608.6	4,758.2	0.00	0.00	0.00
12,800.0	90.00	89.68	7,730.0	1,630.7	4,708.6	4,857.7	0.00	0.00	0.00
12,900.0	90.00	89.68	7,730.0	1,631.3	4,808.6	4,957.1	0.00	0.00	0.00
13,000.0	90.00	89.68	7,730.0	1,631.9	4,908.6	5,056.6	0.00	0.00	0.00
13,024.4	90.00	89.68	7,730.0	1,632.0	4,933.0	5,080.9	0.00	0.00	0.00
13,100.0	90.00	89.68	7,730.0	1,632.4	5,008.6	5,156.1	0.00	0.00	0.00

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #507H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3272.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3272.0usft
Site:	Padron 3 State BS Unit	**North Reference:**	Grid
Well:	#507H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,200.0	90.00	89.68	7,730.0	1,633.0	5,108.6	5,255.5	0.00	0.00	0.00
13,300.0	90.00	89.68	7,730.0	1,633.5	5,208.6	5,355.0	0.00	0.00	0.00
13,400.0	90.00	89.68	7,730.0	1,634.1	5,308.6	5,454.5	0.00	0.00	0.00
13,500.0	90.00	89.68	7,730.0	1,634.6	5,408.6	5,553.9	0.00	0.00	0.00
13,600.0	90.00	89.68	7,730.0	1,635.2	5,508.6	5,653.4	0.00	0.00	0.00
13,700.0	90.00	89.68	7,730.0	1,635.8	5,608.6	5,752.9	0.00	0.00	0.00
13,800.0	90.00	89.69	7,730.0	1,636.3	5,708.6	5,852.3	0.00	0.00	0.00
13,900.0	90.00	89.69	7,730.0	1,636.9	5,808.6	5,951.8	0.00	0.00	0.00
14,000.0	90.00	89.69	7,730.0	1,637.4	5,908.6	6,051.3	0.00	0.00	0.00
14,100.0	90.00	89.69	7,730.0	1,637.9	6,008.6	6,150.7	0.00	0.00	0.00
14,200.0	90.00	89.69	7,730.0	1,638.5	6,108.6	6,250.2	0.00	0.00	0.00
14,300.0	90.00	89.69	7,730.0	1,639.0	6,208.6	6,349.7	0.00	0.00	0.00
14,400.0	90.00	89.69	7,730.0	1,639.6	6,308.6	6,449.2	0.00	0.00	0.00
14,500.0	90.00	89.69	7,730.0	1,640.1	6,408.6	6,548.6	0.00	0.00	0.00
14,600.0	90.00	89.69	7,730.0	1,640.7	6,508.6	6,648.1	0.00	0.00	0.00
14,700.0	90.00	89.69	7,730.0	1,641.2	6,608.6	6,747.6	0.00	0.00	0.00
14,800.0	90.00	89.69	7,730.0	1,641.7	6,708.6	6,847.0	0.00	0.00	0.00
14,900.0	90.00	89.69	7,730.0	1,642.3	6,808.6	6,946.5	0.00	0.00	0.00
15,000.0	90.00	89.69	7,730.0	1,642.8	6,908.6	7,046.0	0.00	0.00	0.00
15,100.0	90.00	89.70	7,730.0	1,643.3	7,008.6	7,145.4	0.00	0.00	0.00
15,200.0	90.00	89.70	7,730.0	1,643.9	7,108.6	7,244.9	0.00	0.00	0.00
15,300.0	90.00	89.70	7,730.0	1,644.4	7,208.6	7,344.4	0.00	0.00	0.00
15,400.0	90.00	89.70	7,730.0	1,644.9	7,308.6	7,443.8	0.00	0.00	0.00
15,500.0	90.00	89.70	7,729.9	1,645.4	7,408.6	7,543.3	0.00	0.00	0.00
15,600.0	90.00	89.70	7,729.9	1,646.0	7,508.6	7,642.8	0.00	0.00	0.00
15,700.0	90.00	89.70	7,729.9	1,646.5	7,608.6	7,742.2	0.00	0.00	0.00
15,800.0	90.00	89.70	7,729.9	1,647.0	7,708.6	7,841.7	0.00	0.00	0.00
15,900.0	90.00	89.70	7,729.9	1,647.5	7,808.6	7,941.2	0.00	0.00	0.00
16,000.0	90.00	89.70	7,729.9	1,648.0	7,908.6	8,040.6	0.00	0.00	0.00
16,100.0	90.00	89.70	7,729.9	1,648.6	8,008.6	8,140.1	0.00	0.00	0.00
16,200.0	90.00	89.70	7,729.9	1,649.1	8,108.6	8,239.5	0.00	0.00	0.00
16,300.0	90.00	89.71	7,729.9	1,649.6	8,208.6	8,339.0	0.00	0.00	0.00
16,400.0	90.00	89.71	7,729.9	1,650.1	8,308.6	8,438.5	0.00	0.00	0.00
16,500.0	90.00	89.71	7,729.9	1,650.6	8,408.6	8,537.9	0.00	0.00	0.00
16,600.0	90.00	89.71	7,729.9	1,651.1	8,508.6	8,637.4	0.00	0.00	0.00
16,700.0	90.00	89.71	7,729.9	1,651.6	8,608.5	8,736.9	0.00	0.00	0.00
16,800.0	90.00	89.71	7,729.9	1,652.1	8,708.5	8,836.3	0.00	0.00	0.00
16,900.0	90.00	89.71	7,729.9	1,652.7	8,808.5	8,935.8	0.00	0.00	0.00
17,000.0	90.00	89.71	7,729.9	1,653.2	8,908.5	9,035.3	0.00	0.00	0.00
17,100.0	90.00	89.71	7,729.9	1,653.7	9,008.5	9,134.7	0.00	0.00	0.00
17,200.0	90.00	89.71	7,729.9	1,654.2	9,108.5	9,234.2	0.00	0.00	0.00
17,300.0	90.00	89.71	7,729.9	1,654.7	9,208.5	9,333.7	0.00	0.00	0.00
17,400.0	90.00	89.71	7,729.9	1,655.2	9,308.5	9,433.1	0.00	0.00	0.00
17,500.0	90.00	89.72	7,729.9	1,655.7	9,408.5	9,532.6	0.00	0.00	0.00
17,600.0	90.00	89.72	7,729.9	1,656.2	9,508.5	9,632.0	0.00	0.00	0.00
17,700.0	90.00	89.72	7,729.9	1,656.6	9,608.5	9,731.5	0.00	0.00	0.00
17,800.0	90.00	89.72	7,729.9	1,657.1	9,708.5	9,831.0	0.00	0.00	0.00
17,900.0	90.00	89.72	7,729.9	1,657.6	9,808.5	9,930.4	0.00	0.00	0.00
18,000.0	90.00	89.72	7,729.9	1,658.1	9,908.5	10,029.9	0.00	0.00	0.00
18,100.0	90.00	89.72	7,729.9	1,658.6	10,008.5	10,129.4	0.00	0.00	0.00
18,200.0	90.00	89.72	7,729.9	1,659.1	10,108.5	10,228.8	0.00	0.00	0.00
18,300.0	90.00	89.72	7,729.9	1,659.6	10,208.5	10,328.3	0.00	0.00	0.00
18,400.0	90.00	89.72	7,729.9	1,660.1	10,308.5	10,427.7	0.00	0.00	0.00
18,500.0	90.00	89.72	7,729.9	1,660.6	10,408.5	10,527.2	0.00	0.00	0.00

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #507H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3272.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3272.0usft
Site:	Padron 3 State BS Unit	**North Reference:**	Grid
Well:	#507H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,600.0	90.00	89.72	7,729.9	1,661.0	10,508.5	10,626.7	0.00	0.00	0.00
18,700.0	90.00	89.73	7,729.9	1,661.5	10,608.5	10,726.1	0.00	0.00	0.00
18,800.0	90.00	89.73	7,729.9	1,662.0	10,708.5	10,825.6	0.00	0.00	0.00
18,900.0	90.00	89.73	7,729.9	1,662.5	10,808.5	10,925.1	0.00	0.00	0.00
19,000.0	90.00	89.73	7,729.9	1,662.9	10,908.5	11,024.5	0.00	0.00	0.00
19,100.0	90.00	89.73	7,729.9	1,663.4	11,008.5	11,124.0	0.00	0.00	0.00
19,200.0	90.00	89.73	7,729.9	1,663.9	11,108.5	11,223.4	0.00	0.00	0.00
19,300.0	90.00	89.73	7,729.9	1,664.4	11,208.5	11,322.9	0.00	0.00	0.00
19,400.0	90.00	89.73	7,729.9	1,664.8	11,308.5	11,422.4	0.00	0.00	0.00
19,500.0	90.00	89.73	7,729.9	1,665.3	11,408.5	11,521.8	0.00	0.00	0.00
19,600.0	90.00	89.73	7,729.9	1,665.8	11,508.5	11,621.3	0.00	0.00	0.00
19,700.0	90.00	89.73	7,729.9	1,666.2	11,608.5	11,720.7	0.00	0.00	0.00
19,800.0	90.00	89.73	7,729.9	1,666.7	11,708.5	11,820.2	0.00	0.00	0.00
19,900.0	90.00	89.73	7,729.9	1,667.2	11,808.5	11,919.7	0.00	0.00	0.00
20,000.0	90.00	89.74	7,729.9	1,667.6	11,908.5	12,019.1	0.00	0.00	0.00
20,100.0	90.00	89.74	7,729.9	1,668.1	12,008.5	12,118.6	0.00	0.00	0.00
20,200.0	90.00	89.74	7,729.9	1,668.6	12,108.5	12,218.0	0.00	0.00	0.00
20,300.0	90.00	89.74	7,729.9	1,669.0	12,208.5	12,317.5	0.00	0.00	0.00
20,400.0	90.00	89.74	7,729.9	1,669.5	12,308.5	12,417.0	0.00	0.00	0.00
20,500.0	90.00	89.74	7,729.9	1,669.9	12,408.5	12,516.4	0.00	0.00	0.00
20,600.0	90.00	89.74	7,729.9	1,670.4	12,508.5	12,615.9	0.00	0.00	0.00
20,700.0	90.00	89.74	7,729.9	1,670.8	12,608.5	12,715.3	0.00	0.00	0.00
20,800.0	90.00	89.74	7,729.9	1,671.3	12,708.5	12,814.8	0.00	0.00	0.00
20,900.0	90.00	89.74	7,729.9	1,671.7	12,808.5	12,914.2	0.00	0.00	0.00
21,000.0	90.00	89.74	7,729.9	1,672.2	12,908.5	13,013.7	0.00	0.00	0.00
21,100.0	90.00	89.74	7,730.0	1,672.6	13,008.5	13,113.2	0.00	0.00	0.00
21,200.0	90.00	89.75	7,730.0	1,673.1	13,108.5	13,212.6	0.00	0.00	0.00
21,300.0	90.00	89.75	7,730.0	1,673.5	13,208.5	13,312.1	0.00	0.00	0.00
21,400.0	90.00	89.75	7,730.0	1,673.9	13,308.5	13,411.5	0.00	0.00	0.00
21,500.0	90.00	89.75	7,730.0	1,674.4	13,408.5	13,511.0	0.00	0.00	0.00
21,600.0	90.00	89.75	7,730.0	1,674.8	13,508.5	13,610.4	0.00	0.00	0.00
21,700.0	90.00	89.75	7,730.0	1,675.3	13,608.5	13,709.9	0.00	0.00	0.00
21,800.0	90.00	89.75	7,730.0	1,675.7	13,708.5	13,809.4	0.00	0.00	0.00
21,900.0	90.00	89.75	7,730.0	1,676.1	13,808.5	13,908.8	0.00	0.00	0.00
22,000.0	90.00	89.75	7,730.0	1,676.6	13,908.5	14,008.3	0.00	0.00	0.00
22,100.0	90.00	89.75	7,730.0	1,677.0	14,008.5	14,107.7	0.00	0.00	0.00
22,200.0	90.00	89.75	7,730.0	1,677.4	14,108.5	14,207.2	0.00	0.00	0.00
22,300.0	90.00	89.75	7,730.0	1,677.9	14,208.5	14,306.6	0.00	0.00	0.00
22,400.0	90.00	89.76	7,730.0	1,678.3	14,308.5	14,406.1	0.00	0.00	0.00
22,500.0	90.00	89.76	7,730.0	1,678.7	14,408.5	14,505.6	0.00	0.00	0.00
22,600.0	90.00	89.76	7,730.0	1,679.1	14,508.5	14,605.0	0.00	0.00	0.00
22,700.0	90.00	89.76	7,730.0	1,679.6	14,608.5	14,704.5	0.00	0.00	0.00
22,800.0	90.00	89.76	7,730.0	1,680.0	14,708.5	14,803.9	0.00	0.00	0.00
22,900.0	90.00	89.76	7,730.0	1,680.4	14,808.5	14,903.4	0.00	0.00	0.00
23,000.0	90.00	89.76	7,730.0	1,680.8	14,908.5	15,002.8	0.00	0.00	0.00
23,100.0	90.00	89.76	7,730.0	1,681.2	15,008.5	15,102.3	0.00	0.00	0.00
23,200.0	90.00	89.76	7,730.0	1,681.7	15,108.5	15,201.7	0.00	0.00	0.00
23,300.0	90.00	89.76	7,730.0	1,682.1	15,208.5	15,301.2	0.00	0.00	0.00
23,400.0	90.00	89.76	7,730.0	1,682.5	15,308.5	15,400.7	0.00	0.00	0.00
23,500.0	90.00	89.76	7,730.0	1,682.9	15,408.5	15,500.1	0.00	0.00	0.00
23,523.5	90.00	89.76	7,730.0	1,683.0	15,432.0	15,523.5	0.00	0.00	0.00

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #507H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3272.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3272.0usft
Site:	Padron 3 State BS Unit	**North Reference:**	Grid
Well:	#507H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Design Targets

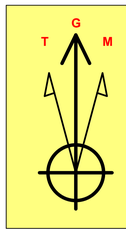
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Padron 3 State BS - plan hits target center - Point	0.00	0.00	7,252.5	1,606.0	-335.0	423,978.00	586,681.00	32° 9' 55.832 N	104° 11' 12.460 W
FTP(Padron 3 State BS - plan hits target center - Point	0.00	0.00	7,465.2	1,606.0	-285.0	423,978.00	586,731.00	32° 9' 55.831 N	104° 11' 11.879 W
PBHL(Padron 3 State BS - plan hits target center - Point	0.00	0.00	7,730.0	1,683.0	15,432.0	424,055.00	602,448.00	32° 9' 56.344 N	104° 8' 9.022 W
Fed Perf 2(Padron 3 Sta - plan hits target center - Point	0.00	0.00	7,730.0	1,632.0	4,933.0	424,004.00	591,949.00	32° 9' 56.014 N	104° 10' 11.171 W
Fed Perf 1(Padron 3 Sta - plan hits target center - Point	0.00	0.00	7,730.0	1,618.0	2,277.0	423,990.00	589,293.00	32° 9' 55.914 N	104° 10' 42.072 W

eog resources

Eddy County, NM (NAD 83 NME)

Padron 3 State BS Unit #507H

Plan #0.1 RT



Azimuths to Grid North
True North: -0.08°
Magnetic North: 6.45°

Magnetic Field
Strength: 46924.3nT
Dip Angle: 59.61°
Date: 6/23/2025
Model: IGRF2025

To convert a Magnetic Direction to a Grid Direction, Add 6.45°
To convert a Magnetic Direction to a True Direction, Add 6.53° East
To convert a True Direction to a Grid Direction, Subtract 0.08°

WELL DETAILS: #507H

3246.0
kb = 26' @ 3272.0usft

Northing	Easting	Latittude	Longitude
422372.00	587016.00	32° 9' 39.934 N	104° 11' 8.589 W

PROJECT DETAILS: Eddy County, NM (NAD 83 NME)

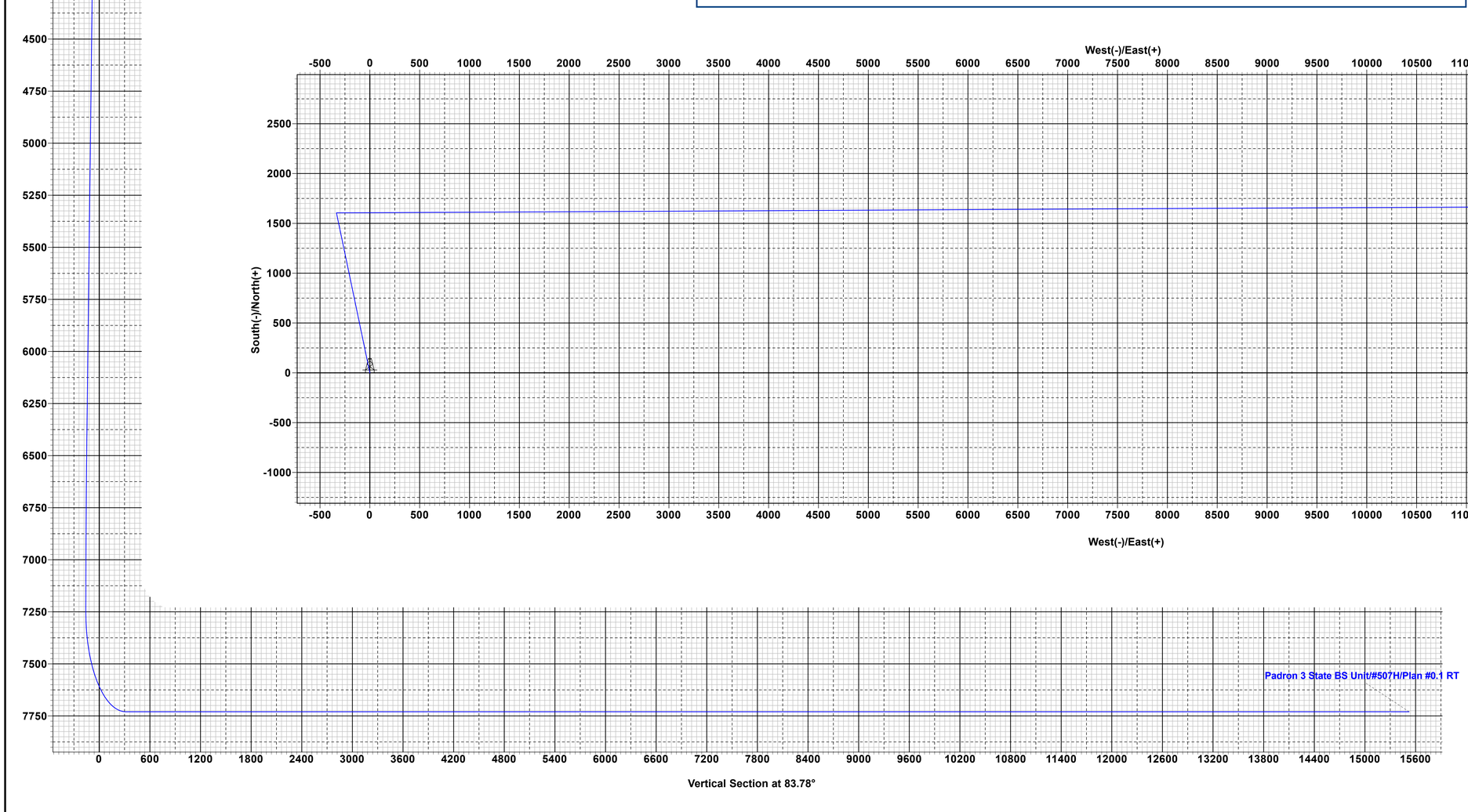
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1844.8	16.90	348.22	1832.6	121.1	-25.3	2.00	348.22	-12.0	
4	6638.5	16.90	348.22	6419.4	1484.9	-309.7	0.00	0.00	-146.9	
5	7483.3	0.00	0.00	7252.0	1606.0	-335.0	2.00	180.00	-158.9	
6	7483.8	0.00	0.00	7252.5	1606.0	-335.0	0.00	0.00	-158.9	KOP(Padron 3 State BS Unit #507H)
7	7704.3	26.46	90.00	7465.2	1606.0	-285.0	12.00	90.00	-109.2	FTP(Padron 3 State BS Unit #507H)
8	8233.8	90.00	89.72	7729.9	1607.5	142.4	12.00	-0.32	315.9	
9	10368.4	90.00	89.72	7730.0	1618.0	2277.0	0.00	0.00	2439.0	Fed Perf 1(Padron 3 State BS Unit #507H)
10	13024.4	90.00	89.68	7730.0	1632.0	4933.0	0.00	-85.46	5080.9	Fed Perf 2(Padron 3 State BS Unit #507H)
11	23523.5	90.00	89.76	7730.0	1683.0	15432.0	0.00	92.03	15523.5	PBHL(Padron 3 State BS Unit #507H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Padron 3 State BS Unit #507H)	7252.5	1606.0	-335.0	423978.00	586681.00
FTP(Padron 3 State BS Unit #507H)	7465.2	1606.0	-285.0	423978.00	586731.00
Fed Perf 1(Padron 3 State BS Unit #507H)	7730.0	1618.0	2277.0	423990.00	589293.00
Fed Perf 2(Padron 3 State BS Unit #507H)	7730.0	1632.0	4933.0	424004.00	591949.00
PBHL(Padron 3 State BS Unit #507H)	7730.0	1683.0	15432.0	424055.00	602448.00



Eddy County, NM (NAD 83 NME)
Padron 3 State BS Unit
#507H
OH
Plan #0.1 RT
11:34, June 23 2025

	KB 3268
Hold Angle 90°	**PADRON 3 STATE BS**
Formation Name	**Depths (TVD)**
Castile	708
Base of Salt	2058
Lamar	2258
Bell Canyon	2285
Cherry Canyon	3140
Brushy Canyon	4141
Bone Spring Lime	5753
Leonard A	5908
FBSG	6817
SBSG SH	7008
SBSG SD	7374
SBSG D2 LP (500s)	7730
TBSG Carb	7783
Ruby SD	8220
TBSG SD	8584