

Lease Number: NMNM078968C

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT Sundry Print Reports
02/12/2025

Well Name: GRACE FEDERAL COM Well Location: T22S / R32E / SEC 20 /

SWNE / 32.3789149 / -103.6946282

County or Parish/State: LEA /

NM

Well Number: 1 Type of Well: CONVENTIONAL GAS

WELL

Allottee or Tribe Name:

Unit or CA Name: 1 GRACE FEDERAL

Unit or CA Number:

NMNM113991

INCORPORATED

Notice of Intent

Sundry ID: 2827726

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 12/16/2024 Time Sundry Submitted: 01:54

Date proposed operation will begin: 01/01/2025

Procedure Description: EOG proposes to P&A this wellbore using the attached procedure. Current and proposed wellbore attached.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Grace_Fed_Com_1__PA_Prog__20241216135349.pdf

Grace_Federal_Com__001_Current_Wellbore_Diagram_20241216135336.pdf

 $Grace_Federal_Com__1_Proposed_Wellbore_Diagram_20241216135315.pdf$

eived by OCD: 2/12/2025 3:19:41 PM Well Name: GRACE FEDERAL COM

Well Location: T22S / R32E / SEC 20 /

SWNE / 32.3789149 / -103.6946282

Zip:

County or Parish/State: LEA/

Allottee or Tribe Name:

Well Number: 1

Type of Well: CONVENTIONAL GAS

Unit or CA Name: 1 GRACE FEDERAL **Unit or CA Number:**

NMNM113991

US Well Number: 3002524215

Lease Number: NMNM078968C

Operator: EOG RESOURCES

INCORPORATED

Conditions of Approval

Specialist Review

Grace Federal Com 1 Sundry ID 2827726 P A 20250211074246.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: ALVINO GARCIA Signed on: DEC 16, 2024 01:53 PM

Name: EOG RESOURCES INCORPORATED

Title: Regulatory Specialist

Street Address: 5509 CHAMPIONS BLVD

City: MIDLAND State: TX

Phone: (432) 236-2924

Email address: ALVINO_GARCIA@EOGRESOURCES.COM

Field

Representative Name:

Street Address:

City: State:

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: 02/11/2025

Signature: Long Vo

Page 2 of 2

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

BUREAU OF LAND MANAGEMENT			5. Lease Serial No.		
Do not use this t	IOTICES AND REPORTS ON form for proposals to drill on Use Form 3160-3 (APD) for s	6. If Indian, Allottee or Tribe Name			
SUBMIT IN T	TRIPLICATE - Other instructions on p	7. If Unit of CA/Agreement, Name and/or No.			
1. Type of Well Oil Well Gas Well Other			8. Well Name and No.		
2. Name of Operator			9. API Well No.		
3a. Address	3b. Phone N	No. (include area code)	10. Field and Pool or Explora	tory Area	
4. Location of Well (Footage, Sec., T.,R	.,M., or Survey Description)		11. Country or Parish, State		
12. CHE	CK THE APPROPRIATE BOX(ES) TO	INDICATE NATURE	OF NOTICE, REPORT OR OTI	HER DATA	
TYPE OF SUBMISSION		TYP	E OF ACTION		
Notice of Intent		Deepen Lydraulic Fracturing	Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity	
Cybraguant Danart		lew Construction	Recomplete	Other	
Subsequent Report	Change Plans P	lug and Abandon	Temporarily Abandon		
Final Abandonment Notice	Convert to Injection P	lug Back	Water Disposal		
is ready for final inspection.)					
4. I hereby certify that the foregoing is	true and correct. Name (Printed/Typed)				
		Title			
Signature		Date			
	THE SPACE FOR FE	DERAL OR STA	TE OFICE USE		
Approved by					
		Title		Date	
	hed. Approval of this notice does not ware equitable title to those rights in the subject duct operations thereon.				
Fitle 18 U.S.C. Section 1001 and Title 4	3 U.S.C Section 1212, make it a crime for	or any person knowingly	and willfully to make to any de	epartment or agency of the United States	

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 State 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 of this form to U.S. Department of the Interior, Bureau of Land 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 \ / \ 1980 \ FNL \ / \ 1980 \ FEL \ / \ TWSP: \ 22S \ / \ RANGE: \ 32E \ / \ SECTION: \ 20 \ / \ LAT: \ 32.3789149 \ / \ LONG: \ -103.6946282 \ (\ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \)$ BHL: \ SWNE \ / \ 1980 \ FNL \ / \ 1980 \ FEL \ / \ TWSP: \ 22S \ / \ SECTION: \ / \ LAT: \ 0.0 \ / \ LONG: \ 0.0 \ (\ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \)

Page 1

12/16/24 P&A

Grace Fed Com 1 Capital AFE# 187200

Well Name	Grace Fed Com 1 P&A				
Surface Location	32.3788681,-103.6946716 NAD83			AFE/Sub Code	187200/231
RKB – Sea Level	3,640′	Area/Field	Area/Field Red Tank		1973
G.L. Elevation	3,621'	County/Province	Lea	Original Rig Contractor	-
API	30-025-24215	State / Country	NM	Formation	
Comp Date	1973	Total MD	14,865'	Top Perf	13,707'
КОР	-	Average Lateral TVD	=	Wellhead MFG	-

STRING NAME	STRING OD	STRING WEIGHT	DESCRIPTION	FINAL DEPTH
SURFACE	16	64	16" H40	568'
SALT STRING	10.75	45	10-3/4 K-55	4,640'
INTERMEDIATE	7.625	33.7, 29.7, 26.4	7-5/8 S95 LTC	12,913
PRODUCTION	5	18	5 K55	14,865'

Summary of Procedure: Pull TBG, Run CIBP, Run Gyro, Set cement plugs, Abandon

PROCEDURE:

- 1. Notify BLM & State 24 hours before beginning work.
- 2. MIRU & Kill well.
- 3. ND/NU WH/BOP
- 4. Release packer.

12-19-02

Held 5 min safety meeting. SITP 400#. TOOH with packer. TIH with packer + RBP. Set RBP at 13,754' Test to 1000#. Pulled packer to 13,659. Isolated perfs 13,707-13,722'. Nippled down BOP. Nippled up Tagged fluid at surface. Swabbed back 52 bbls. tree. Fluid level at 8000'. Closed well in. Shut down. Swab report as follows: FL/SR WATER TIME 3 PM Surf 4200'- 4 4 PM 6500'- 3 18 5 PM 8000'-6 PM DC \$4225; CC \$76,875.

- 5. TOOH Entire string of 2-7/8" & LD
- 6. PU 2-7/8" work string
- 7. TIH set CIBP @ 13,700' (above top perf)
- 8. Test CIBP to 500 psi
- 9. Run Gyro (Shaun Ludwig 281-866-4384)
- 10.Spot 40 sxs class H cement from 13,700 to 13,226'. This will cover top of CIB & Atoka. WOC & tag
- 11.TOOH T/ 11,841
- 12.Spot 60 sxs Class H Cement from 11,841' to 11,573'. This coveres the WFMP. WOC & tag
- 13. There is a linter top on the 7-5/8" intermediate. No way to circulate cement behind csg.
- 14.TOOH to 8,673'



12/16/24 P&A

- 15. Spot 60 sxs Class H Cement from 8,673' to 8,405'. This coveres the bone springs. WOC & tag
- 16.TOOH to 5,500'
- 17. Spot 35 sxs Class C Cement from 5,500 to 5,325. This is a space plug do not need to WOC.
- 18.TOOH to 4812'
- 19.Spot 65 sxs Class C Cement from 4,812' to 4500'. This will cover the salt string shoe, Delware & bottom of salt formation. WOC & Tag
- 20.TOOH to 1500'
- 21.Spot 170 sxs Class C Cement from 1,500' to 1,084'. This will cover the top of salt. WOC & Tag
- 22.TOOH to 618'
- 23.Spot 50 sxs Class C Cement from 618' to 495'. This will cover the surface shoe WOC & Tag
- 24.TOOH to 100'
- 25.Spot 41 sxs Class C cement to surface.
- 26. Dig out cellar, cut off wellhead and verify cement behind all casing strings.
- 27.Install dry hole marker, clean location and RDMO.

Production Engineer:

Date:__12/16/24_

Chris Caskey

AFE Codes

		PLUG & ABANDON AFEs
	P&A WELLB	ORE - COSTS ASSOCIATED WITH RIG WORK TO PLUG THE WELL
Gen-Sub	Account Title	Comments
231-406	COMP - FUEL	Fuel used during plugging operations
231-407	COMP - WATER	Water used during plugging operations
231-408	COMP - MUD & CHEMICALS	Plugging mud & chemicals used during plugging operations
231-409	COMP - CEMENTING & SERVICE	Plugging company charges, cement charges, plugs
231-415	COMP - TRANSPORTATION	Rig Moves, tubing delivery, moving equipment to the next well
231-417	COMP - EQUIPMENT RENTAL	Trash/Porta Jon, frac tanks, light towers, work strings, any rental not part of the rig package
231-418	COMP - RIG	Pulling Unit & all related equipment, laydown machine, swivel, reverse unit, BOP, etc.
231-420	COMP - FISHING/EQUIP LOST IN HOLE	Fishing expenses
231-421	COMP - SAFETY	Safety Related Equipment not associated with normal rig operations
231-424	COMP - SUPERVISION	Day rate, Mileage, hotel, etc.
231-436	COMP - TUBULAR INSPEC/HANDLING	Scanning & Hydro-testing tubing
231-442	COMP - WIRELINE SERVICES	Wireline work, logging, perforating, etc
231-444	COMP - TUBING SERVICES	Hot Oiling Rods & Tubing
231-446	COMP - CONTRACT LABOR	Roustabout Gangs, NU/ND Crew, Anchors, Torq & Test
231-447	COMP - DISPOSAL COSTS	Disposal Cost including trucking

eog resources

Page 3

12/16/24 P&A Well Name: GRACE FEDERAL COM #001

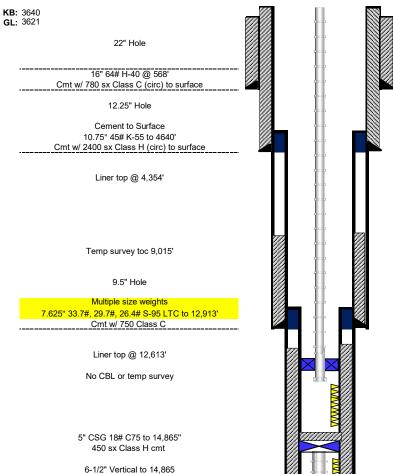
Location: 1980 FNL 1980 FEL

County: Lea, NM

Lat/Long: 32.3788681,-103.6946716 NAD83

API #: 30-025-24215

Current Wellbore Diagram:





Formation Tops

Top of Salt	1,226
Bottom of Salt	4,728
Delaware	4,762
Bone Spring	8,559
Wolfcamp	11,791
Atoka	13,483
Morrow	14,124

Not to Scale By: CC 12/3/24

2-7/8" tbg Packer @ 13,659' w/ 1.875" profile

Perforate 13,707' - 13,712' Perforate 13,715 - 13,722' Perforate 13,794 -13800' Perforate 13,994 -13,998

Set 5" CIBP @ 14,350' & spot 35' cement on top

Cut tbg @ 14,327'

Perforate 14,556 - 14,563 2 shots/ft Perforate 14,590' - 14,596' 2 shots/ft Well Name: GRACE FEDERAL COM #001

Location: 1980 FNL 1980 FEL

County: Lea, NM

Lat/Long: 32.3788681,-103.6946716 NAD83

API #: 30-025-24215

Proposed Wellbore Diagram:

KB: 3640 **GL**: 3621

22" Hole

16" 64# H-40 @ 568' Cmt w/ 780 sx Class C (circ) to surface

12.25" Hole

Cement to Surface 10.75" 45# K-55 to 4640' Cmt w/ 2400 sx Class H (circ) to surface

Liner top @ 4,354'

Temp survey toc 9,015'

9.5" Hole

Multiple size weights 7.625" 33.7#, 29.7#, 26.4# S-95 LTC to 12,913'

Cmt w/ 750 Class C

Liner top @ 12,613'

No CBL or temp survey

5" CSG 18# C75 to 14,865" 450 sx Class H cmt

6-1/2" Vertical to 14,865



Formation Tops

 Top of Salt
 1,226

 Bottom of Salt
 4,728

 Delaware
 4,762

 Bone Spring
 8,559

 Wolfcamp
 11,791

 Atoka
 13,483

 Morrow
 14,124

WOC & tag

Spot 41 sxs Class C cement from 100' to surface

This will cover surface shoe

Spot 50 sxs Class C cement from 618' to 495'

WOC & tag

Spot 170 sxs Class C cement from 1,500' to 1,084'

This will cover top of salt

WOC & tag

Spot 65 sxs Class C cement from 4,812' to 4,500' This will cover Delaware, bottom of salt and shoe

> Not to Scale By: CC 12/16/24

Spot 35 sxs Class C cement from 5,500' to5,325 This is a spacer plug

WOC & Tag

This will cover top of Bone spring

Spot 60 sxs Class H cement from 8,673' to 8,405'

We can attempt to perf and squeeze but there is a liner top

WOC & Tag

Spot 60 sxs Class H cement From 11,841 to 11,573'

This will cover top of WFMP

WOC & Tag

Cement will cover top of CIBP & the Atoka

Spot 40 sxs Class H Cement from 13,700' to 13,226'

Set CIBP 13,700'

Perforate 13,707' - 13,712'

Perforate 13,715 - 13,722'

Perforate 13,794 -13800' Perforate 13,994 -13,998

Set 5" CIBP @ 14,350' & spot 35' cement on top

Cut tbg @ 14,327'

Perforate 14,556 - 14,563 2 shots/ft

Perforate 14,590' - 14,596' 2 shots/ft



Lease Number: NMNM078968C

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT Sundry Print Repor

Well Name: GRACE FEDERAL COM Well Location: T22S / R32E / SEC 20 /

SWNE / 32.3789149 / -103.6946282

County or Parish/State: LEA /

Well Number: 1 Type of Well: CONVENTIONAL GAS

Allottee or Tribe Name:

Unit or CA Name: 1 GRACE FEDERAL

Unit or CA Number: NMNM113991

US Well Number: 3002524215 Operator: EOG RESOURCES

INCORPORATED

Notice of Intent

Sundry ID: 2827726

Type of Submission: Notice of Intent Type of Action: Plug and Abandonment

Date Sundry Submitted: 12/16/2024 Time Sundry Submitted: 01:54

Date proposed operation will begin: 01/01/2025

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Is any additional surface disturbance proposed?: No

NOI Attachments

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Grace_Federal_Com__1_Proposed_Wellbore_Diagram_20241216135315.pdf

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

Page 1 of 2

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Well Location: T22S / R32E / SEC 20 /

Type of Well: CONVENTIONAL GAS

SWNE / 32.3789149 / -103.6946282

County or Parish/State: Page 12 of

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Signed on: DEC 16, 2024 01:53 PM **Operator Electronic Signature: ALVINO GARCIA**

Name: EOG RESOURCES INCORPORATED

Title: Regulatory Specialist

Street Address: 5509 CHAMPIONS BLVD

City: MIDLAND State: TX

Phone: (432) 236-2924

Email address: ALVINO_GARCIA@EOGRESOURCES.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

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

BUREAU OF LAND MANAGEMENT			5. Lease Serial No.			
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.			enter an	6. If Indian, Allottee or Tribe Name		
SUBMIT IN TRIPLICATE - Other instructions on page 2			7. If Unit of CA/Agreement, Name and/or No.			
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TYPE OF SUBMISSION			TYPE	OF ACTION		
Notice of Intent	Acidize	Deepen		Production (Start/Resume)		Water Shut-Off
	Alter Casing	= 1	Fracturing _	Reclamation	<u> </u>	Well Integrity
Subsequent Report	Casing Repair	New Cons		Recomplete		Other
	Change Plans	Plug and A	=	Temporarily Abandon		
Final Abandonment Notice 3. Describe Proposed or Completed O	Convert to Injection	Plug Back		Water Disposal		
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.)						
4. I hereby certify that the foregoing is	true and correct. Name (Pri.	nted/Typed) Title	2			
Signature		Date	2			
	THE SPACE	FOR FEDERA	L OR STAT	E OFICE USE		
Approved by Long Vo	, Z	~	Petro	leum Engineer	Date	2/11/2025
Conditions of approval, if any, are attacl sertify that the applicant holds legal or ewhich would entitle the applicant to con	equitable title to those rights		Office Ca	rlsbad Field Office		
Fitle 18 U.S.C Section 1001 and Title 43	3 U.S.C Section 1212, make	it a crime for any per	rson knowingly a	and willfully to make to any d	epartme	ent or agency of the United States

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(Form 3160-5, page 2)

Additional Information

Location of Well

 $0. \ SHL: \ SWNE \ / \ 1980 \ FNL \ / \ 1980 \ FEL \ / \ TWSP: \ 22S \ / \ RANGE: \ 32E \ / \ SECTION: \ 20 \ / \ LAT: \ 32.3789149 \ / \ LONG: \ -103.6946282 \ (\ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \)$ BHL: \ SWNE \ / \ 1980 \ FNL \ / \ 1980 \ FEL \ / \ TWSP: \ 22S \ / \ SECTION: \ / \ LAT: \ 0.0 \ / \ LONG: \ 0.0 \ (\ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \)





12/16/24 P&A

Grace Fed Com 1 Capital AFE# 187200

Well Name	Grace Fed Com 1 P&A				
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КОР	-	Average Lateral TVD	-	Wellhead MFG	-

STRING NAME	STRING OD	STRING WEIGHT	DESCRIPTION	FINAL DEPTH
SURFACE	16	64	16" H40	568'
SALT STRING	10.75	45	10-3/4 K-55	4,640'
INTERMEDIATE	7.625	33.7, 29.7, 26.4	7-5/8 S95 LTC	12,913
PRODUCTION	5	18	5 K55	14,865'

Summary of Procedure: Pull TBG, Run CIBP, Run Gyro, Set cement plugs, Abandon

PROCEDURE:

- 1. Notify BLM & State 24 hours before beginning work.
- 2. MIRU & Kill well.
- 3. ND/NU WH/BOP
- Release packer.

12-19-02

Held 5 min safety meeting. SITP 400#. TOOH with packer. TIH with packer + RBP. Set RBP at 13,754' Test to 1000#. Pulled packer to 13,659. Isolated perfs 13,707-13,722'. Nippled down BOP. Nippled up Tagged fluid at surface. Swabbed back 52 bbls. tree. Fluid level at 8000'. Closed well in. Shut down. Swab report as follows: FL/SR WATER TIME 3 PM Surf 4200'- 4 4 PM 6500'- 3 18 5 PM 8000'-6 PM DC \$4225; CC \$76,875.

- 5. TOOH Entire string of 2-7/8" & LD
- 6. PU 2-7/8" work string
- 7. TIH set CIBP @ 13,657' (above top perf)
- 8. Test CIBP to 500 psi
- 9. Run Gyro (Shaun Ludwig 281-866-4384) Run CBL from CIBP to surface.
- 10.Spot 40 sxs class H cement from 13,700 to 12733. This will cover top of CIBP & Atoka. WOC & tag
- 11.TOOH T/ 11,841
- 12.Spot 66 sxs Class H Cement from 11,841' to 11,573'. This covered the WFMP. WOC & tag
- 13. There is a liner top on the 7-5/8" intermediate. No way to circulate cement behind csg. Attempt squeeze instead if the Brushy Canyon would take.
- 14.TOOH to 8,673'



12/16/24 P&A

- 15.Perf and attempt squeeze 111 sxs Class H Cement from 8,673' to 8,405'. This covers the bone springs. WOC & tag. If no injection, spot cement instead.

 (In 66 sxs/Out 45 sxs)
- 16.TOOH to 5,500'
- 17. Spot 35 sxs Class C Cement from 5,500 to 5,325. This is a space plug do not need to WOC.
- 18.TOOH to 4812'
- 19.Spot 135 sxs Class C Cement from 4,844' to 4260'. This will cover the salt string shoe, Delware & bottom of salt formation. WOC & Tag
- 20.TOOH to 3245'
- 21. Spot 54 sxs Class C Cement from 3245' to 3113'. This will cover the base of salt. WOC& Tag
- 22.TOOH to 1500'
- 23.Spot 171 sxs Class C Cement from 1,500' to 1,084'. This will cover the top of salt. WOC & Tag
- 24.TOOH to 618'
- 25.Spot 51 sxs Class C Cement from 618' to 495'. This will cover the surface shoe WOC & Tag
- 26.TOOH to 100'
- 27.Spot 41 sxs Class C cement to surface.
- 28. Dig out cellar, cut off wellhead and verify cement behind all casing strings.
- 29.Install dry hole marker, clean location and RDMO.

Production Engineer:

Date: 12/16/24

Chris Caskey

AFE Codes

		PLUG & ABANDON AFEs
	P&A WELLB	ORE - COSTS ASSOCIATED WITH RIG WORK TO PLUG THE WELL
Gen-Sub	Account Title	Comments
231-406	COMP - FUEL	Fuel used during plugging operations
231-407	COMP - WATER	Water used during plugging operations
231-408	COMP - MUD & CHEMICALS	Plugging mud & chemicals used during plugging operations
231-409	COMP - CEMENTING & SERVICE	Plugging company charges, cement charges, plugs
231-415	COMP - TRANSPORTATION	Rig Moves, tubing delivery, moving equipment to the next well
231-417	COMP - EQUIPMENT RENTAL	Trash/Porta Jon, frac tanks, light towers, work strings, any rental not part of the rig package
231-418	COMP - RIG	Pulling Unit & all related equipment, laydown machine, swivel, reverse unit, BOP, etc.
231-420	COMP - FISHING/EQUIP LOST IN HOLE	Fishing expenses
231-421	COMP - SAFETY	Safety Related Equipment not associated with normal rig operations
231-424	COMP - SUPERVISION	Day rate, Mileage, hotel, etc.
231-436	COMP - TUBULAR INSPEC/HANDLING	Scanning & Hydro-testing tubing
231-442	COMP - WIRELINE SERVICES	Wireline work, logging, perforating, etc
231-444	COMP - TUBING SERVICES	Hot Oiling Rods & Tubing
231-446	COMP - CONTRACT LABOR	Roustabout Gangs, NU/ND Crew, Anchors, Torq & Test
231-447	COMP - DISPOSAL COSTS	Disposal Cost including trucking

eog resources

Page 3

12/16/24 P&A Well Name: GRACE FEDERAL COM #001

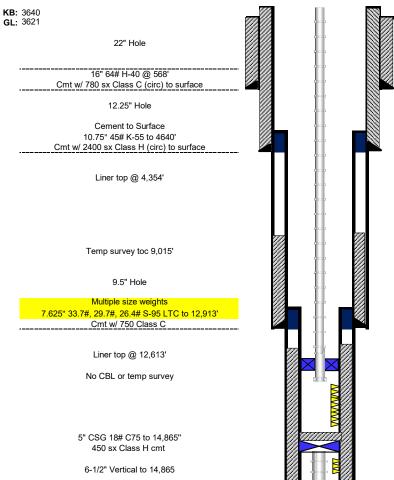
Location: 1980 FNL 1980 FEL

County: Lea, NM

Lat/Long: 32.3788681,-103.6946716 NAD83

API #: 30-025-24215

Current Wellbore Diagram:





Formation Tops

Top of Salt	1,226
Bottom of Salt	4,728
Delaware	4,762
Bone Spring	8,559
Wolfcamp	11,791
Atoka	13,483
Morrow	14,124

Not to Scale By: CC 12/3/24

2-7/8" tbg Packer @ 13,659' w/ 1.875" profile

Perforate 13,707' - 13,712' Perforate 13,715 - 13,722' Perforate 13,794 -13800' Perforate 13,994 -13,998

Set 5" CIBP @ 14,350' & spot 35' cement on top

Cut tbg @ 14,327'

Perforate 14,556 - 14,563 2 shots/ft Perforate 14,590' - 14,596' 2 shots/ft Well Name: GRACE FEDERAL COM #001

Location: 1980 FNL 1980 FEL

County: Lea, NM

Lat/Long: 32.3788681,-103.6946716 NAD83

API #: 30-025-24215

Spud Date: 6/27/73 Compl. Date: 10/11/73

Proposed Wellbore Diagram:

KB: 3640 **GL**: 3621

22" Hole

16" 64# H-40 @ 568' Cmt w/ 780 sx Class C (circ) to surface

12.25" Hole

Cement to Surface 10.75" 45# K-55 to 4640' Cmt w/ 2400 sx Class H (circ) to surface

Liner top @ 4,354'

Temp survey toc 9,015'

9.5" Hole

Multiple size weights 7.625" 33.7#, 29.7#, 26.4# S-95 LTC to 12,913'

Cmt w/ 750 Class C

Liner top @ 12,613'

No CBL or temp survey

5" CSG 18# C75 to 14,865" 450 sx Class H cmt

6-1/2" Vertical to 14,865

REVISED

5:30 pm, Feb 10, 2025



Formation Tops

 Top of Salt
 1,226

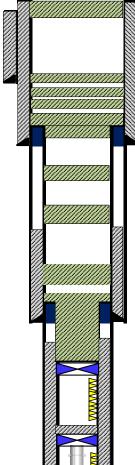
 Bottom of Salt
 4,728

 Delaware
 4,762

 Bone Spring
 8,559

 Wolfcamp
 11,791

Spot 41 sxs Class C cement from 100' to surface



This will cover surface shoe Spot 51 sxs Class C cement from 618' to 495' WOC & tag

Spot 171 sxs Class C cement from 1,500' to 1,084' This will cover top of salt WOC and tag. Spot 54 sxs Class C cement from 3245' to 3113'. WOC and Tag. (Base of Salt) Spot 135 sxs Class C cement from 4844' to 4260'. WOC and Tag.

Not to Scale By: CC 12/16/24

Spot 35 sxs Class C cement from 5,500' to 5,325 This is a spacer plug

WOC & Tag

This will cover top of Bone spring

Perf and attempt squeeze 111 sxs Class H cement from 8,673' to 8,405'. If no injection spot cement instead.

We can attempt to perf and squeeze but there is a liner top

WOC & Tag

Spot 66 sxs Class H cement From 11,841 to 11,573' This will cover top of WFMP

WOC & Tag

Cement will cover top of CIBP & the Atoka Spot 143 sxs Class H Cement from 13,657' to 12436' Set CIBP 13657'

Perforate 13,707' - 13,712' Perforate 13,715 - 13,722' Perforate 13,794 -13800' Perforate 13,994 -13,998

Set 5" CIBP @ 14,350' & spot 35' cement on top

Cut tbg @ 14,327'

Perforate 14,556 - 14,563 2 shots/ft Perforate 14,590' - 14,596' 2 shots/ft

BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

Permanent Abandonment of Federal Wells Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within <u>ninety (90)</u> days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

- 2. <u>Notification:</u> Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.
- 3. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.
- 4. <u>Mud Requirement:</u> Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.
- 5. <u>Cement Requirement</u>: 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.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

Fluid used to mix the cement in R111Q shall be saturated with the salts common to the section penetrated, and in suitable proportions but not less than 1% and not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

6. <u>Dry Hole Marker</u>: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified *BY PHONE* (numbers listed in 2. Notifications) a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds). A weep hole shall be left if a metal plate is welded in place.

- 7. <u>Subsequent Plugging Reporting:</u> Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to 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 well was plugged.**
- 8. <u>Trash:</u> All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office 620 E. Greene St. Carlsbad, New Mexico 88220-6292 www.blm.gov/nm



In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines (Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure). Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

- 1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
- 2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
- 3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
- 4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or

concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

- 5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
- 6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
- 7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos

Supervisory Petroleum Engineering Tech/Environmental Protection Specialist 575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias Environmental Protection Specialist 575-234-6230

Crisha Morgan Environmental Protection Specialist 575-234-5987

Jose Martinez-Colon Environmental Protection Specialist 575-234-5951

Mark Mattozzi Environmental Protection Specialist 575-234-5713

Robert Duenas Environmental Protection Specialist 575-234-2229

Doris Lauger Martinez Environmental Protection Specialist 575-234-5926

Jaden Johnston Environmental Protection Asst. (Intern) 575-234-6252

Released to Imaging: 3/10/2025 7:15:29 AM

Sundry ID	2827726						
Plug Type	Тор	Bottom	Length	Tag	Sacks	Cement Class	Notes
				_			Spot cement from
							100' to surface.
Surface Plug	0.00	100.00	100.00	Tag/Verify	41.00	С	Verify at surface.
46 inch Shoo Blug	512.32	618.00	105.69	Tag/Verify	51.00	C	Spot cement from 618' to 495'.
16 inch- Shoe Plug	312.32	010.00	105.66	rag/verily	31.00	C	Spot cement from
Top of Salt @ 1263	1200.37	1313.00	112.63	Tag/Verify	171.00	С	1500' to 1084'. WOC and Tag.
							Spot cement from
D	0440.05	2045.00	404.05	T ^ /:- £ .	54.00	0	3245' to 3113'.
Base of Salt @ 3195	3113.05			Tag/Verify	54.00	C	WOC and Tag.
Liner Top 1 @ 4354 10.75 inch- Shoe Plug	4260.46 4543.60			Tag/Verify			
10.75 men- once i lug	+3+3.00	+030.00	140.40	rag/verily			
Delaware @ 4794	4696.06	4844.00		If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns	135.00	С	Spot cement from 4844' to 4260'. WOC and Tag.
				If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio			Spot cement from
Spacer Plug @ 5450	5345.50	5500.00			35.00	С	5500' to 5325'.

				1			1
Bonesprings @ 8574	8438.26	8624.00		If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns	111.00	Н	Perf and attempt squeeze from 8673' to 8405'. If no injection spot cement instead. (In 66 sxs/Out 45 sxs)
Walfarms @ 44742	44574 50	44702.00		If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio	00.000		Spot cement from
Wolfcamp @ 11742	11574.58	11792.00	217.42	ns	66.00	Н	11841' to 11573'.
Liner Top 2 @ 12613 7.625 inch- Shoe Plug	12436.87 12733.87	12663.00 12963.00	226.13 229.13	Tag/Verify			
7.323 men- once i lug	127 55.07	12303.00		base no			
				need to			
Strawn @ 13312	13128.88	13362.00	233.12				
Atoka @ 13480	13295.20	13530.00	234.80	If solid			
CIBP Plug	13622.00		35.00		143.00	Н	Set CIBP at 13657'. Leak test CIBP. Spot cement from CIBP to 12436'. WOC and Tag.
Perforations Plug (If No CIBP)	13657.00			Tag/Verify			
Morrow @ 14122 Perforations Plug (If No CIBP)	13930.78 14400.04		241.22 245.96	If solid Tag/Verify			
5 inch- Shoe Plug	14666.35	14915.00		Tag/Verify			
-							

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole. Class H >7500' Class C<7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Medium, Secretary: Top of salt to surface If no salt take the deepest fresh water or Karst Depth

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft^3/sx Class H: 1.06 ft^3/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Cave Karst/Potash Cement Requirement:	<u>Low</u>		
16 inch- Shoe Plug @	568.00		
10.75 inch- Shoe Plug @	4640.00		
7.625 inch- Shoe Plug @	12913.00	TOC @	9015.00
5 inch- Shoe Plug @	14865.00	TOC @	12613.00
Perforatons Top @	14556.00	Perforations	14596.00
Perforatons Top @	13707.00	Perforations	13998.00

CIBP @ 13657.00

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 431465

CONDITIONS

Operator:	OGRID:		
EOG RESOURCES INC	7377		
5509 Champions Drive	Action Number:		
Midland, TX 79706	431465		
	Action Type:		
	[C-103] NOI Plug & Abandon (C-103F)		

CONDITIONS

Created By		Condition Date
gcordero	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	3/7/2025
gcordero	Submit Cement Bond Logs (CBL) prior to submittal of C-103P.	3/7/2025