

Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-29008
5. Indicate Type of Lease STATE [X] FEE []
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name MADERA RIDGE 24
8. Well Number 1
9. OGRID Number 7377
10. Pool name or Wildcat RED HILLS; BONE SPRING, NORTH
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3387' GR

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)
1. Type of Well: Oil Well [] Gas Well [X] Other
2. Name of Operator EOG RESOURCES INC
3. Address of Operator PO BOX 2267 MIDLAND, TX 79702
4. Well Location Unit Letter J : 1980 feet from the SOUTH line and 1980' feet from the EAST line
Section 24 Township 24S Range 33E NMPM County LEA

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [] PLUG AND ABANDON [X]
TEMPORARILY ABANDON [] CHANGE PLANS []
PULL OR ALTER CASING [] MULTIPLE COMPL []
DOWNHOLE COMMINGLE []
CLOSED-LOOP SYSTEM []
OTHER: []
SUBSEQUENT REPORT OF:
REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A []
CASING/CEMENT JOB []
OTHER: []

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG PROPOSES TO PLUG THIS WELL USING THE ATTACHED PROCEDURE.

4" diameter 4' tall Above Ground Marker

SEE ATTACHED CONDITIONS OF APPROVAL

Note changes to procedure

Spud Date: 11/07/1984

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kay Maddox TITLE Senior Regulatory Specialist DATE 04/20/2021

Type or print name Kay Maddox E-mail address: kay_maddox@eogresources.com PHONE: 432-638-8475

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 6/8/21

Conditions of Approval (if any):



**Madera Ridge 24 #1
1980' FSL & 1980' FEL
Sec. 24-24S-33E
Lea County, New Mexico
API # 30-025-29008
P&A Procedure
AFE # 115561**

Executive Summary: P&A wellbore and install dry hole marker.

TD: 15,600' **PBTD:** 12,930' **GR:** 3,565' **KB:**
Surface Casing: 20" 94# at 600'. Cemented with 1,000 sx. Cement circulated.
Intermediate Casing: 13 $\frac{3}{8}$ " 61# at 5,112'. Cemented with 4,300 sx. Cement circulated.
Production Casing: 9 $\frac{5}{8}$ " 43.5# & 47# at 13,250'. Cemented with 3,100 sx. TOC at 5,400' by CBL.
Production Liner: 7 $\frac{5}{8}$ " at 12,954'-14,659'. Cemented with 300 sx.
Producing Interval: Bone Spring perfs at 12,154'-12,244'

P&A Procedure:

1. MIRU well service unit and all necessary safety equipment, ND WH & NU BOP.
2. Release TAC at 12,200' and POOH laying down 2 $\frac{7}{8}$ " production tubing. **RIH drill out CIBP & cement 12,930' RIH set CIBP 14,200' Spot 30 sx Class H WOC & tag**
3. Pick up 2 $\frac{7}{8}$ " work string and TIH with 9 $\frac{5}{8}$ " CIBP to 12,130'. Set CIBP, circulate plugging mud, then spot 25 sx Class "H" cement on top of CIBP. Pick up and reverse tubing clean. **PUH Spot 50 sx Class H 13,700-13,500 WOC & tag (Atoka & Strawn)**
4. Pick up to 9,200' and spot 75 sx Class "H" cement plug from 9,200'-9,010' (this will cover top of Bone Spring). Pick up and reverse tubing clean.
5. Pick up to 6,010' and spot 55 sx Class "C" cement plug from 6,010'-5,850' (this is a spacer plug). Pick up, reverse tubing clean and POOH. **PUH Spot 50 sx Class H 13,250 9 5/8 shoe Liner top WOC & tag**
6. RU WL to RIH and perf 9 $\frac{5}{8}$ " casing at 5,350'. POOH w/ WL.
7. TIH with 9 $\frac{5}{8}$ " packer, set packer at 5,000'. Establish circulation up 9 $\frac{5}{8}$ " x 13 $\frac{3}{8}$ " annulus then spot/squeeze 200 sx Class "C" cement plug from 5,350'-5,000' (this will cover top of Delaware and 13 $\frac{3}{8}$ " csg shoe). Release packer, pick up, reverse tbg clean and POOH to WOC.
8. RU WL to RIH to tag TOC then perf 9 $\frac{5}{8}$ " casing at 650'. POOH w/ WL.
9. TIH with 9 $\frac{5}{8}$ " packer, set packer at 550'. Establish circulation up 9 $\frac{5}{8}$ " x 13 $\frac{3}{8}$ " annulus then spot/squeeze 60 sx Class "C" cement plug from 650'-550' (this will cover 20" csg shoe). Release packer, pick up, reverse tbg clean and POOH to WOC.
10. RU WL to RIH to tag TOC then perf 9 $\frac{5}{8}$ " casing at ~~50'~~ 150'. POOH w/ WL. **!50'**
11. Circulate ~~35~~ sx Class "C" cmt plug from ~~50'~~ surface. **Circ Class C 150' to surface**
12. Dig out cellar, cut off wellhead and verify cement behind all casing strings.
13. Install dry hole marker, clean location and RDMO.

Production Engineer:

Brice A. Letcher
Brice A. Letcher, P.E.

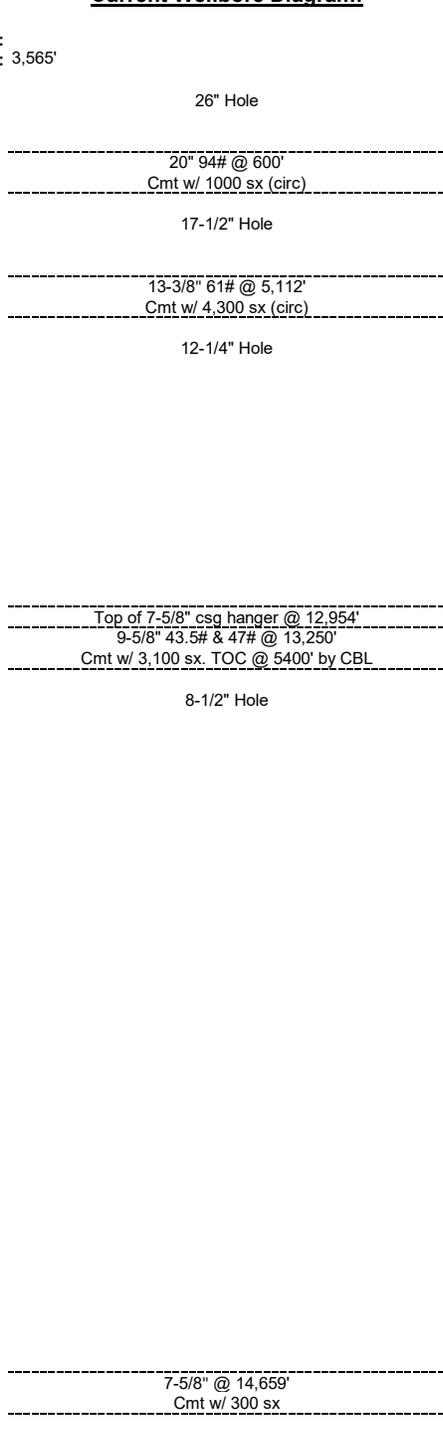
Date: 4/20/2021

Well Name: Madera Ridge 24 #1
 Location: 1980' FSL & 1980' FEL Sec. 24-24S-33E
 County: Lea, NM
 Lat/Long: 32.2012711,-103.5238647 NAD83
 API #: 30-025-29008
 Spud Date: 11/7/84
 Compl. Date: RE 1/3/96



Current Wellbore Diagram:

KB:
 GL: 3,565'



Formation Tops	
Rustler	1,250
Top of Salt	1,750
Bottom of Salt	4,900
Delaware	5,300
Bone Spring	9,155
Wolfcamp	12,150
Strawn	13,500
Atoka	13,700
Morrow	14,380
Morrow CL	14,600

Bone Spring perms: 12,154'-12,244'

CIBP w/ 35' cmt @ 12,930'

Atoka perms: 14,284'-14,294' (40)

Not to Scale
 By: BAL 4/20/21



Emergency Contact Information

In the event of an accident/safety incident involving EOG employees or contract personnel contact:

Name	Title	Cell	Office
Brian Chandler	Safety Manager	817-239-0251	817-806-0486
Ashley Mayfield	Sr. Safety Rep	432-258-7998	432-686-3662

In the event of a spill or environmental release contact:

Name	Title	Cell	Office
Doug Lowrie	Environmental Manager	432-425-6923	432-686-3755

Production Department Contacts:

Name	Title	Cell	Office
Mario Arevalo	NM Prod. Superintendent	940-231-8118	575-738-0397
Zack Jones	Production Foreman	432-488-8556	
Casey Rodriguez	Lead Lease Operator	432-661-4226	
Brice Letcher	Sr. Production Engineer	575-748-5021	432-686-6965
Clinton Cox	Production Manager	432-894-4920	432-686-3614
Ron Willett	Production Advisor	432-230-2135	432-686-3775
Tim Singley	Production Superintendent	601-731-4718	432-686-6900

Completions Department Contacts:

Name	Title	Cell	Office
Alex Richter	Completions Engineer Advisor	432-634-9148	432-686-3638

Police/Fire/Hospital Contacts

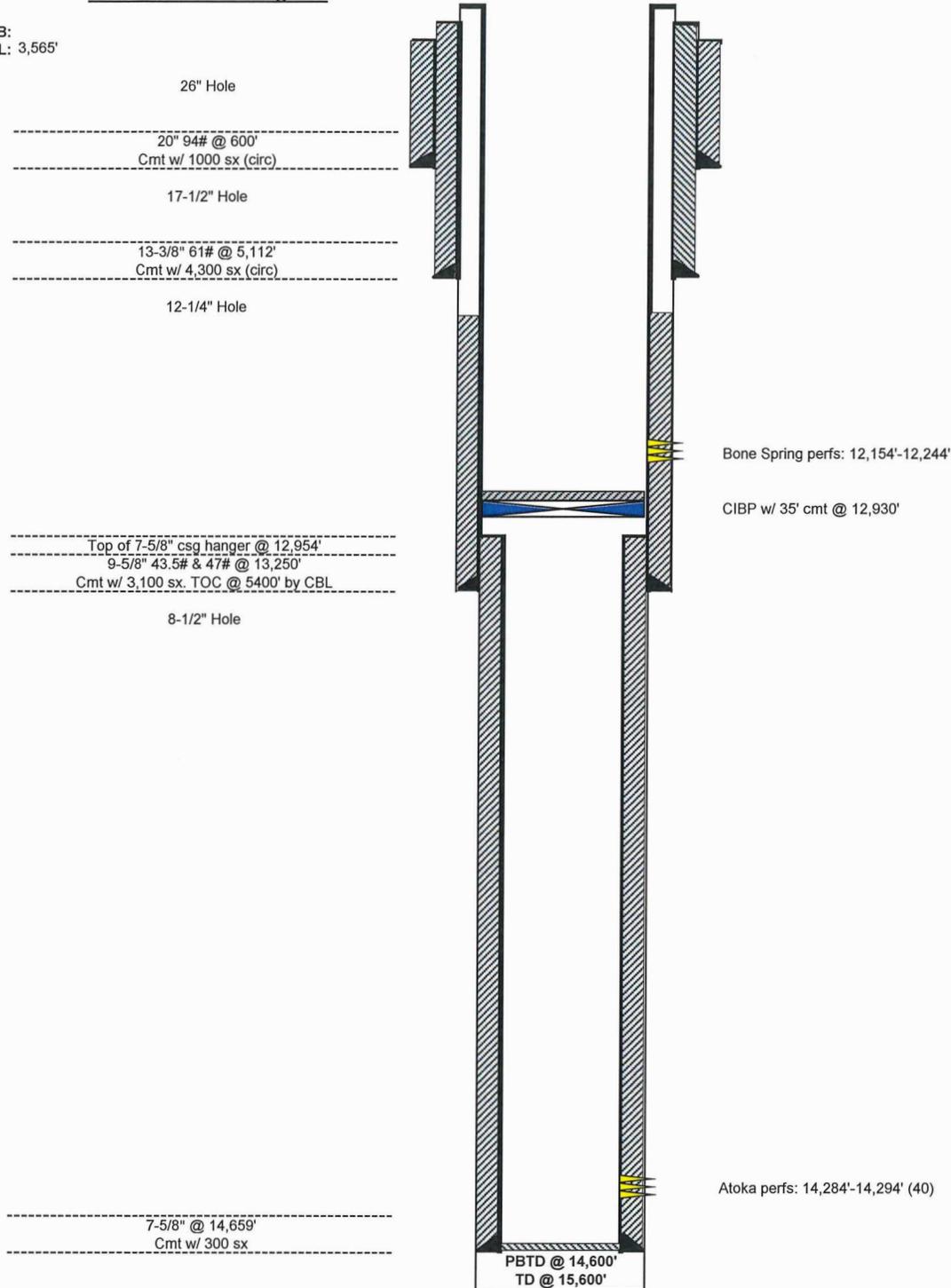
Fire	911
Sheriff (Eddy County)	575-887-7551
Sheriff (Lea County)	575-396-3611
Hospital – Carlsbad Medical Center (Carlsbad, NM)	575-887-4100
Hospital – Lea Regional Medical Center (Hobbs, NM)	575-492-5000
Hospital – Nor-Lea General Hospital (Lovington, NM)	575-396-6611
Hospital – Winkler County Memorial Hospital (Kermit, TX)	432-586-5864

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Proposed P&A Wellbore Diagram:

KB: 3,565'
 GL: 3,565'



P&S
 35 sx Class "C" cmt plug @ 90' surface
150'- surf

P&S
 60 sx Class "C" cmt plug @ 650'-550'

P&S
 200 sx Class "C" cmt plug @ 5,350'-5,000'

55 sx Class "C" cmt plug @ 6,010'-5,850'

75 sx Class "H" cmt plug @ 9,200'-9,010'

CIBP w/ 25 sx cmt @ 12,130'

Bone Spring perms: 12,154'-12,244'

CIBP w/ 35' cmt @ 12,930' **RIH drill out CIBP & cement 12,930**

PUH Spot 50 sx Class H 13,250
9 5/8 shoe Liner top

PUH Spot 50 sx Class H 13,700-13,500 WOC & tag (Atoka & Strawn)

RIH set CIBP 14,200 Spot 30 sx Class H WOC & tag
 Atoka perms: 14,284'-14,294' (40)

PBTD @ 14,600'
 TD @ 15,600'

Formation Tops	
Rustler	1,250
Top of Salt	1,750
Bottom of Salt	4,900
Delaware	5,300
Bone Spring	9,155
Wolfcamp	12,150
Strawn	13,500
Atoka	13,700
Morrow	14,380
Morrow CL	14,600

Not to Scale
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Proposed P&A Wellbore Diagram:

KB:
 GL: 3,565'

26" Hole

 20" 94# @ 600'
 Cmt w/ 1000 sx (circ)

17-1/2" Hole

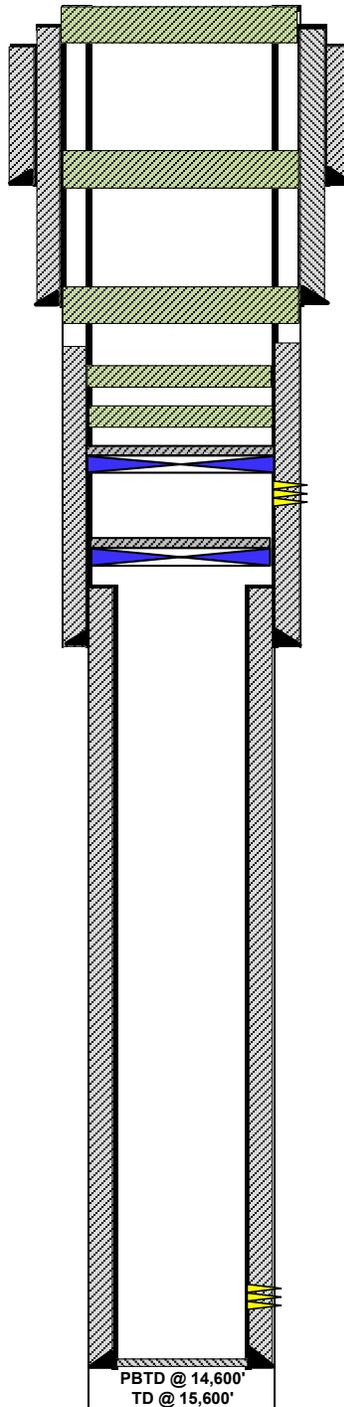
 13-3/8" 61# @ 5,112'
 Cmt w/ 4,300 sx (circ)

12-1/4" Hole

 Top of 7-5/8" csg hanger @ 12,954'
 9-5/8" 43.5# & 47# @ 13,250'
 Cmt w/ 3,100 sx. TOC @ 5400' by CBL

8-1/2" Hole

 7-5/8" @ 14,659'
 Cmt w/ 300 sx



35 sx Class "C" cmt plug @ 50'-surface

60 sx Class "C" cmt plug @ 650'-550'

200 sx Class "C" cmt plug @ 5,350'-5,000'

55 sx Class "C" cmt plug @ 6,010'-5,850'

75 sx Class "H" cmt plug @ 9,200'-9,010'

CIBP w/ 25 sx cmt @ 12,130'

Bone Spring perms: 12,154'-12,244'

CIBP w/ 35' cmt @ 12,930'

Atoka perms: 14,284'-14,294' (40)

PBTD @ 14,600'
 TD @ 15,600'

Formation Tops

Rustler	1,250
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Bone Spring	9,155
Wolfcamp	12,150
Strawn	13,500
Atoka	13,700
Morrow	14,380
Morrow CL	14,600

Not to Scale
 By: BAL 4/20/21

**CONDITIONS OF APPROVAL
FOR PLUGGING AND ABANDONMENT
OCD - Southern District**

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office I (Hobbs) at **(575)-263-6633** at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

Company representative will be on location during plugging procedures.

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal - commercial or private- shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water will not be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.
16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).

19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
- A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp
 - E) Bone Springs
 - F) Delaware
 - G) Any salt sections
 - H) Abo
 - I) Glorieta
 - J) Yates.
 - K) Potash---(In the R-111-P Area (Potash Mine Area),

A solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, woe 4 hours and tag, this plug will be SO' below the bottom and 50' above the top of the Formation.

21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, woe and tagged. These plugs will be set SO' below formation bottom to 50' above formation top inside the casing.

DRY HOLE MARKER REQ.UIRMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least 1/4" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name
2. Lease and Well Number
3. API Number
4. Unit letter
5. Quarter Section (feet from the North, South, East or West)
6. Section, Township and Range
7. Plugging Date
8. County

SPECIAL CASES -----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION



**Madera Ridge 24 #1
1980' FSL & 1980' FEL
Sec. 24-24S-33E
Lea County, New Mexico
API # 30-025-29008
P&A Procedure
AFE # 115561**

Executive Summary: P&A wellbore and install dry hole marker.

TD: 15,600'	PBTD: 12,930'	GR: 3,565'	KB:
Surface Casing:	20" 94# at 600'. Cemented with 1,000 sx. Cement circulated.		
Intermediate Casing:	13 $\frac{3}{8}$ " 61# at 5,112'. Cemented with 4,300 sx. Cement circulated.		
Production Casing:	9 $\frac{5}{8}$ " 43.5# & 47# at 13,250'. Cemented with 3,100 sx. TOC at 5,400' by CBL.		
Production Liner:	7 $\frac{5}{8}$ " at 12,954'-14,659'. Cemented with 300 sx.		
Producing Interval:	Bone Spring perfs at 12,154'-12,244'		

P&A Procedure:

1. MIRU well service unit and all necessary safety equipment, ND WH & NU BOP.
2. Release TAC at 12,200' and POOH laying down 2 $\frac{7}{8}$ " production tubing.
3. Pick up 2 $\frac{7}{8}$ " work string and TIH with 9 $\frac{5}{8}$ " CIBP to 12,130'. Set CIBP, circulate plugging mud, then spot 25 sx Class "H" cement on top of CIBP. Pick up and reverse tubing clean.
4. Pick up to 9,200' and spot 75 sx Class "H" cement plug from 9,200'-9,010' (this will cover top of Bone Spring). Pick up and reverse tubing clean.
5. Pick up to 6,010' and spot 55 sx Class "C" cement plug from 6,010'-5,850' (this is a spacer plug). Pick up, reverse tubing clean and POOH.
6. RU WL to RIH and perf 9 $\frac{5}{8}$ " casing at 5,350'. POOH w/ WL.
7. TIH with 9 $\frac{5}{8}$ " packer, set packer at 5,000'. Establish circulation up 9 $\frac{5}{8}$ " x 13 $\frac{3}{8}$ " annulus then spot/squeeze 200 sx Class "C" cement plug from 5,350'-5,000' (this will cover top of Delaware and 13 $\frac{3}{8}$ " csg shoe). Release packer, pick up, reverse tbg clean and POOH to WOC.
8. RU WL to RIH to tag TOC then perf 9 $\frac{5}{8}$ " casing at 650'. POOH w/ WL.
9. TIH with 9 $\frac{5}{8}$ " packer, set packer at 550'. Establish circulation up 9 $\frac{5}{8}$ " x 13 $\frac{3}{8}$ " annulus then spot/squeeze 60 sx Class "C" cement plug from 650'-550' (this will cover 20" csg shoe). Release packer, pick up, reverse tbg clean and POOH to WOC.
10. RU WL to RIH to tag TOC then perf 9 $\frac{5}{8}$ " casing at 50'. POOH w/ WL.
11. Circulate 35 sx Class "C" cmt plug from 50'-surface.
12. Dig out cellar, cut off wellhead and verify cement behind all casing strings.
13. Install dry hole marker, clean location and RDMO.

Production Engineer:

Brice A. Letcher
Brice A. Letcher, P.E.

Date: 4/20/2021



Emergency Contact Information

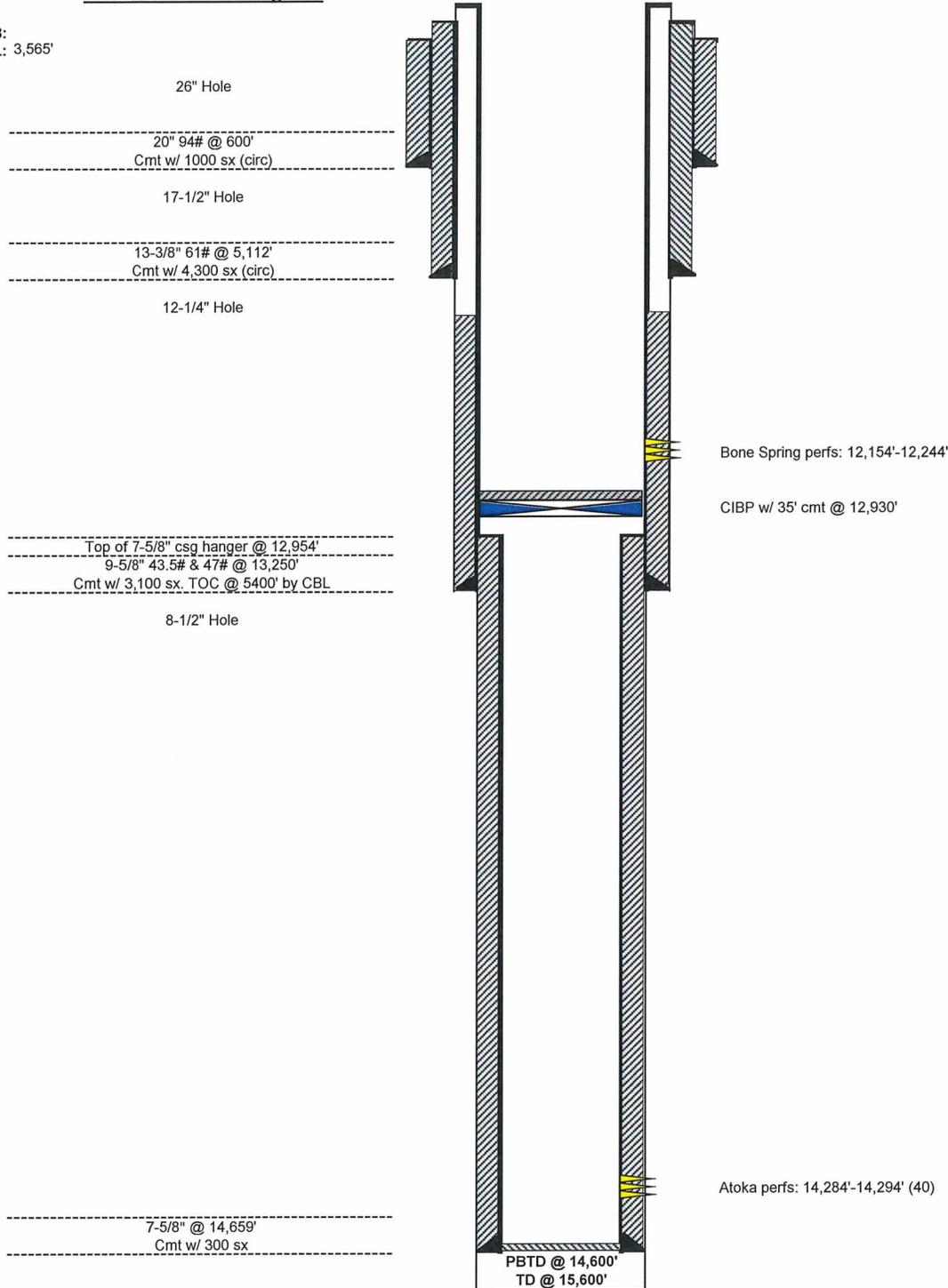
In the event of an accident/safety incident involving EOG employees or contract personnel contact:			
Name	Title	Cell	Office
Brian Chandler	Safety Manager	817-239-0251	817-806-0486
Ashley Mayfield	Sr. Safety Rep	432-258-7998	432-686-3662
In the event of a spill or environmental release contact:			
Name	Title	Cell	Office
Doug Lowrie	Environmental Manager	432-425-6923	432-686-3755
Production Department Contacts:			
Name	Title	Cell	Office
Mario Arevalo	NM Prod. Superintendent	940-231-8118	575-738-0397
Zack Jones	Production Foreman	432-488-8556	
Casey Rodriguez	Lead Lease Operator	432-661-4226	
Brice Letcher	Sr. Production Engineer	575-748-5021	432-686-6965
Clinton Cox	Production Manager	432-894-4920	432-686-3614
Ron Willett	Production Advisor	432-230-2135	432-686-3775
Tim Singley	Production Superintendent	601-731-4718	432-686-6900
Completions Department Contacts:			
Name	Title	Cell	Office
Alex Richter	Completions Engineer Advisor	432-634-9148	432-686-3638
Police/Fire/Hospital Contacts			
Fire			911
Sheriff (Eddy County)			575-887-7551
Sheriff (Lea County)			575-396-3611
Hospital – Carlsbad Medical Center (Carlsbad, NM)			575-887-4100
Hospital – Lea Regional Medical Center (Hobbs, NM)			575-492-5000
Hospital – Nor-Lea General Hospital (Lovington, NM)			575-396-6611
Hospital – Winkler County Memorial Hospital (Kermit, TX)			432-586-5864

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 Spud Date: 11/7/84
 Compl. Date: RE 1/3/96



Current Wellbore Diagram:

KB:
 GL: 3,565'



Formation Tops	
Rustler	1,250
Top of Salt	1,750
Bottom of Salt	4,900
Delaware	5,300
Bone Spring	9,155
Wolfcamp	12,150
Strawn	13,500
Atoka	13,700
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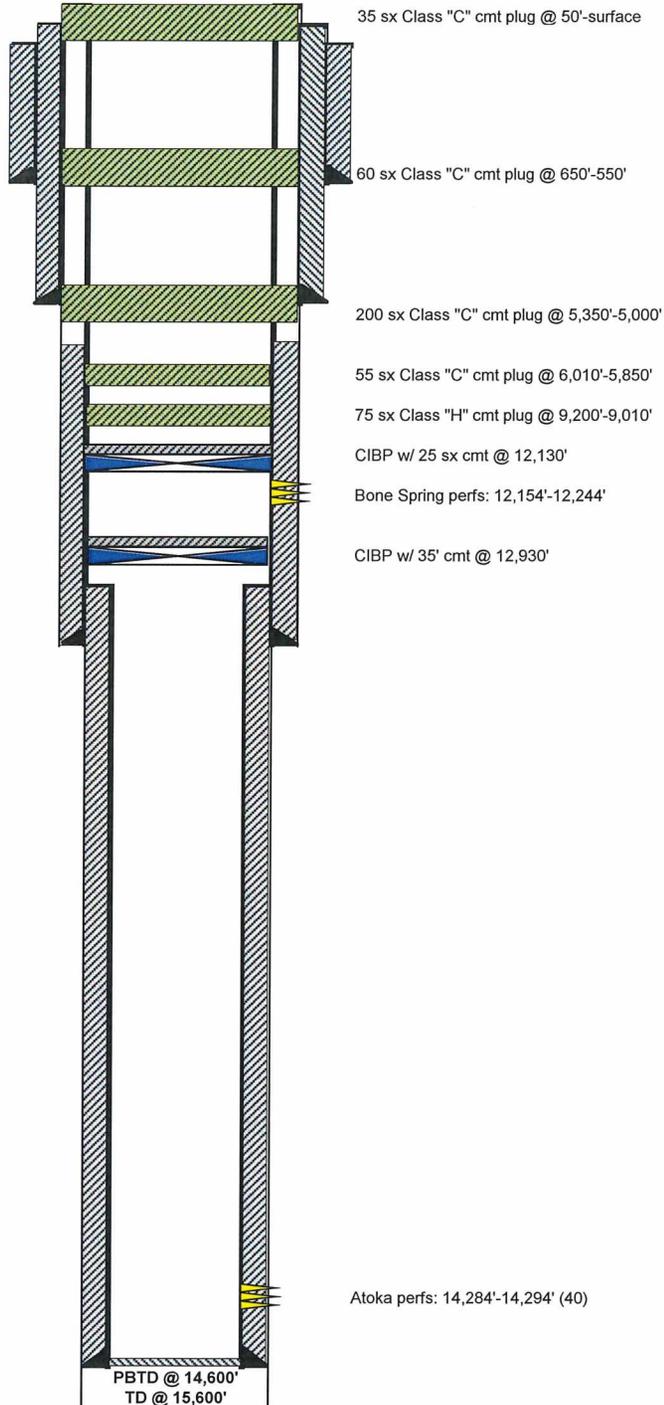
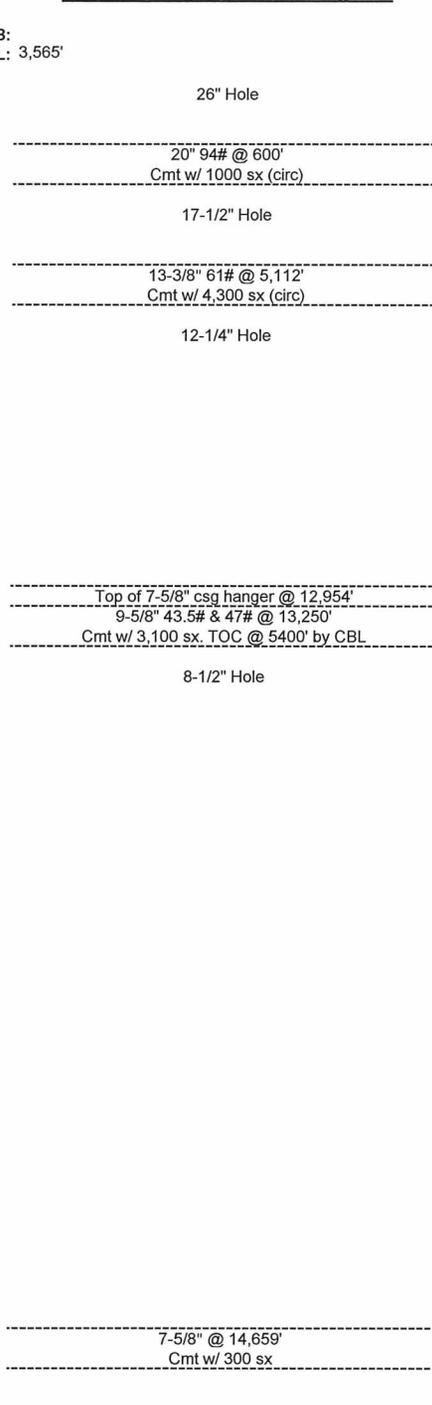
Not to Scale
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Proposed P&A Wellbore Diagram:

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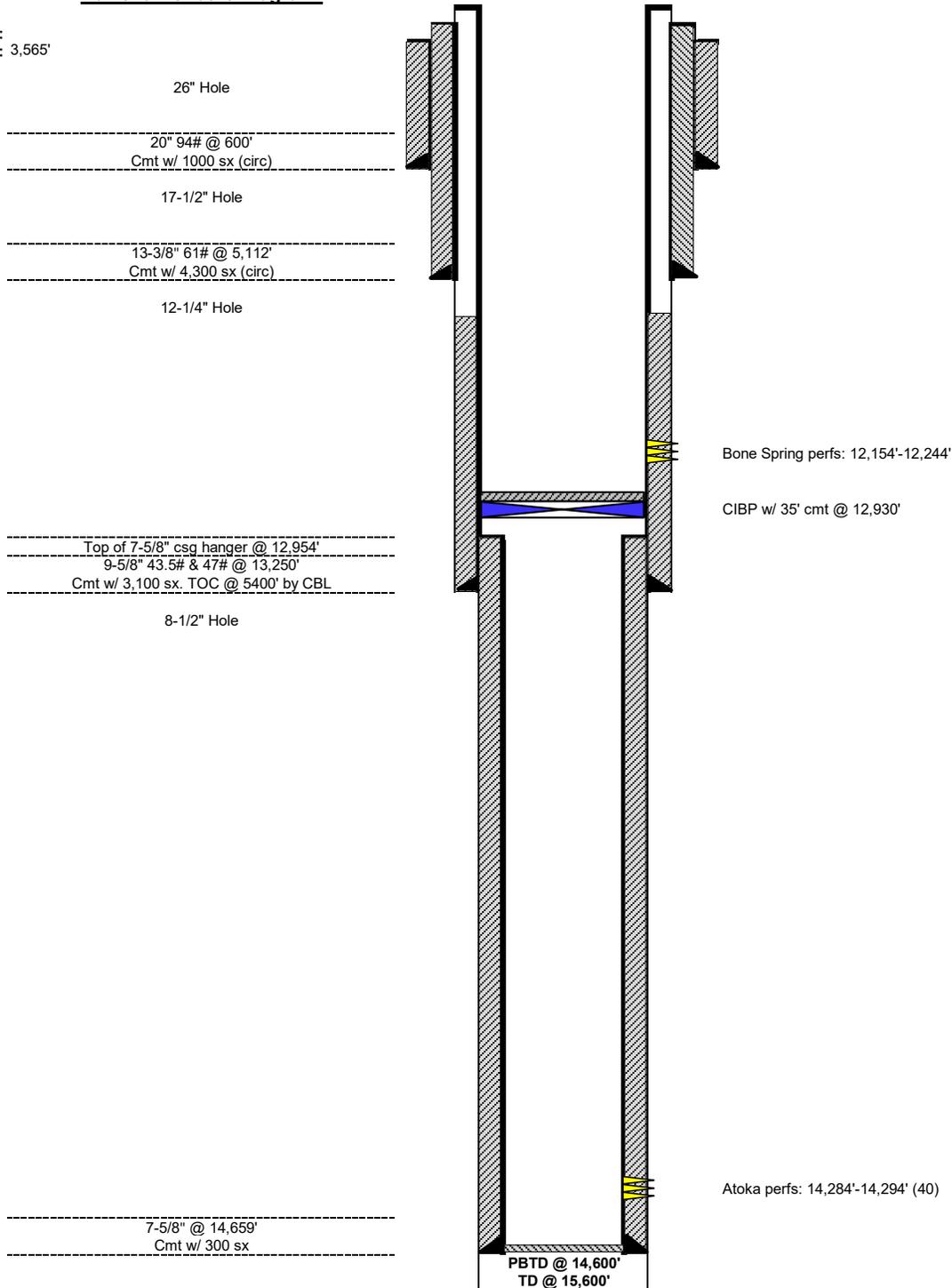
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 API #: 30-025-29008
 Spud Date: 11/7/84
 Compl. Date: RE 1/3/96



Proposed P&A Wellbore Diagram:

KB:
 GL: 3,565'

26" Hole

 20" 94# @ 600'
 Cmt w/ 1000 sx (circ)

17-1/2" Hole

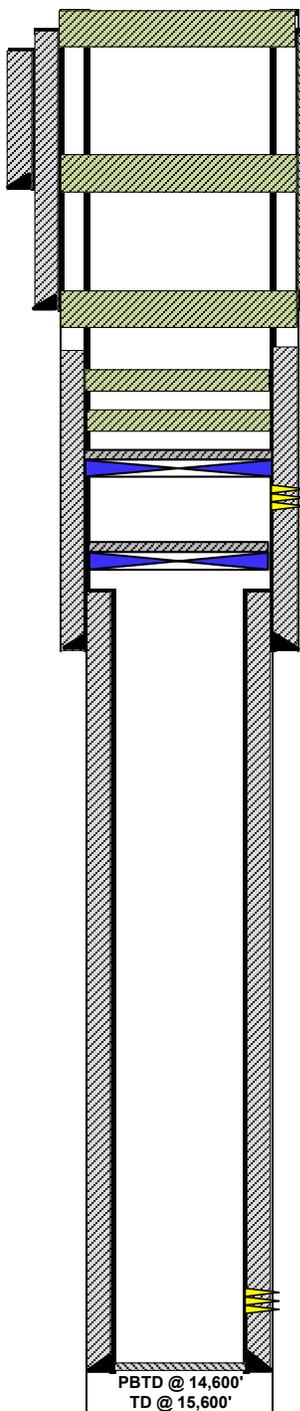
 13-3/8" 61# @ 5,112'
 Cmt w/ 4,300 sx (circ)

12-1/4" Hole

 Top of 7-5/8" csg hanger @ 12,954'
 9-5/8" 43.5# & 47# @ 13,250'
 Cmt w/ 3,100 sx. TOC @ 5400' by CBL

8-1/2" Hole

 7-5/8" @ 14,659'
 Cmt w/ 300 sx



35 sx Class "C" cmt plug @ 50'-surface

60 sx Class "C" cmt plug @ 650'-550'

200 sx Class "C" cmt plug @ 5,350'-5,000'

55 sx Class "C" cmt plug @ 6,010'-5,850'

75 sx Class "H" cmt plug @ 9,200'-9,010'

CIBP w/ 25 sx cmt @ 12,130'

Bone Spring perms: 12,154'-12,244'

CIBP w/ 35' cmt @ 12,930'

Atoka perms: 14,284'-14,294' (40)

PBTD @ 14,600'
 TD @ 15,600'

Formation Tops	
Rustler	1,250
Top of Salt	1,750
Bottom of Salt	4,900
Delaware	5,300
Bone Spring	9,155
Wolfcamp	12,150
Strawn	13,500
Atoka	13,700
Morrow	14,380
Morrow CL	14,600

Not to Scale
 By: BAL 4/20/21

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 1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS
 Action 24892

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 24892
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached conditions of approval Note changes to procedure	6/8/2021