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|--|--|--|
| Well Name: ESTELLITA AFO FEDERAL COM | Well Location: T14S / R27E / SEC 15 / SENE / | County or Parish/State: CHAVES / NM |
| Well Number: 1 | Type of Well: CONVENTIONAL GAS WELL | Allottee or Tribe Name: |
| Lease Number: NMNM36612 | Unit or CA Name: ESTELLITA AFO FEDERAL CO | Unit or CA Number: NMNM72626 |
| US Well Number: 3000562630 | Well Status: Producing Gas Well | Operator: EOG RESOURCES INCORPORATED |

Accepted for record – NMOCD gc 9/16/2021

Notice of Intent

| | |
|---|--|
| Type of Submission: Notice of Intent | Type of Action Plug and Abandonment |
| Date Sundry Submitted: 08/24/2021 | Time Sundry Submitted: 10:20 |
| Date proposed operation will begin: 08/24/2021 | |

Procedure Description: EOG Resources Inc. is currently on the above mentioned well for plugging operations. EOG Drilling Engineer, Jeremiah Mullen spoke to Jennifer Sanchez (Roswell BLM) on 8/23/21; received verbal approval to omit the bottom plug at 7924' to 7704'. Attached updated wellbore.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Estellita_AFO_Federal_Com_1_WBD_revised_for_sundry__8_24_21__20210824102010.pdf

| | | |
|--|--|--|
| Well Name: ESTELLITA AFO FEDERAL COM | Well Location: T14S / R27E / SEC 15 / SENE / | County or Parish/State: CHAVES / NM |
| Well Number: 1 | Type of Well: CONVENTIONAL GAS WELL | Allottee or Tribe Name: |
| Lease Number: NMNM36612 | Unit or CA Name: ESTELLITA AFO FEDERAL CO | Unit or CA Number: NMNM72626 |
| US Well Number: 3000562630 | Well Status: Producing Gas Well | Operator: EOG RESOURCES INCORPORATED |

Conditions of Approval

Specialist Review

Conditions_of_Approval_20210824135425.pdf
General_Conditions_of_Approval_20210824135426.pdf

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: LACEY GRANILLO
Signed on: AUG 24, 2021 10:20 AM
Name: EOG RESOURCES INCORPORATED
Title: Contractor Regulatory Specialist
Street Address: 104 SOUTH FOURTH STREET
City: ARTESIA **State:** NM
Phone: (575) 909-5284
Email address: LACEY_GRANILLO@EOGRESOURCES.COM

Field Representative

Representative Name:
Street Address:
City: **State:** **Zip:**
Phone:
Email address:

BLM Point of Contact

BLM POC Name: JENNIFER SANCHEZ
BLM POC Phone: 5756270237
Disposition: Approved
Signature: Jennifer Sanchez
BLM POC Title: Petroleum Engineer
BLM POC Email Address: j1sanchez@blm.gov
Disposition Date: 08/24/2021

Estellita AFO Federal Com 1 Current

Sec-TWN-RNG: 15-14S-27E
FOOTAGES: 1980'FNL & 660'FEL

API: 30-005-62630
GL: 3461
KB:

CASING DETAIL

| # | HOLE SIZE | SIZE | WGHT | GRADE | Top | Bottom | Sx Cmt | Circ/TOC | TOC Method |
|---|-----------|--------|----------|-------|-----|--------|--------|----------|------------|
| A | 17 1/2 | 13 3/8 | 54.5 | ? | 0 | 337 | 375 | Circ | |
| B | 12 1/4 | 8 5/8 | 32 | J-55 | 0 | 1,485 | 850 | Circ | |
| C | 7 7/8 | 5 1/2 | 15.5, 17 | J-55 | 0 | 8,020 | 725 | +/-5200 | CBL |

FORMATION TOPS

| | Formation | Top | | Formation | Top |
|--|---------------|------|--|-----------|-----|
| | San Andres | 1340 | | | |
| | Abo | 4878 | | | |
| | Wolfcamp | 5684 | | | |
| | Cisco | 6454 | | | |
| | Strawn | 7067 | | | |
| | Morrow | 7630 | | | |
| | Mississippian | 7814 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

TUBING DETAIL

| # | Joints | Description | Length | OD | ID | Grade | Wt (lb/ft) | Top (ftKB) | Btm (ftKB) |
|---|--------|-------------------------|--------|----|----|-------|------------|------------|------------|
| | | 2 7/8 tubing and packer | | | | | | 7,146 | |

Flow through frac plug at 7600

Well is DHC Strawn and Morrow

Perforation Detail

| | Formation | Top | Bottom | Treatment |
|---|-----------|-------|--------|---|
| A | Morrow | 7,714 | 7,721 | Acidize w/1500g 7-1/2% Morrow acid and nitrogen |
| B | Morrow | 7,649 | 7,654 | Acidize w/1200g 7-1/2% Morrow acid and nitrogen w/8 ball sealers |
| | | | | Frac 7714-7654 w/14,000g 40# x-linked gel, 30 tons CO ₂ , 24,000# 20/40 sand |
| | | | | dropped 15 balls and 50# block |
| C | Strawn | 7,442 | 7,548 | Acidize w/2800g 7-1/2% Morrow acid and 1000 SCF/bbl N ₂ |
| | | | | Frac w/54,000g 65Q CO ₂ foam and 65,000# interprop |

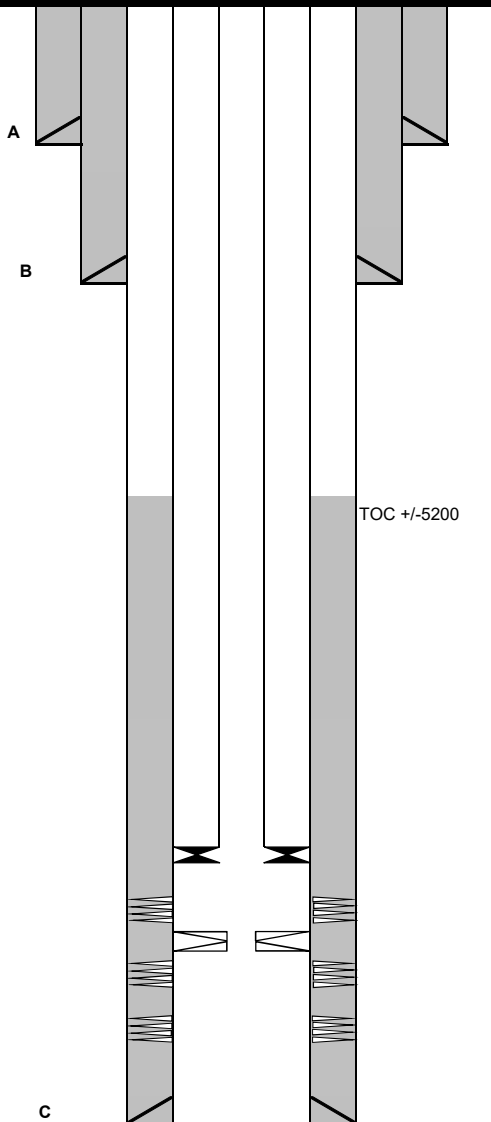
Prepared by: TH

PBTD: 7,954 MD
TD: 8,020 MD

Perf C

Perf B

Perf A



Estellita AFE Federal Com #1

Sec-TWN-RNG: 15-14S-27E
FOOTAGES: 1980'FNL & 660'FEL

API: 30-005-62630
GL: 3461
KB:

9th Plug

8th Plug

7th Plug

Drawing Not to Scale [Depths Omitted]

6th Plug

5th Plug

TOC ~5200' by CBL

4th Plug

3rd Plug

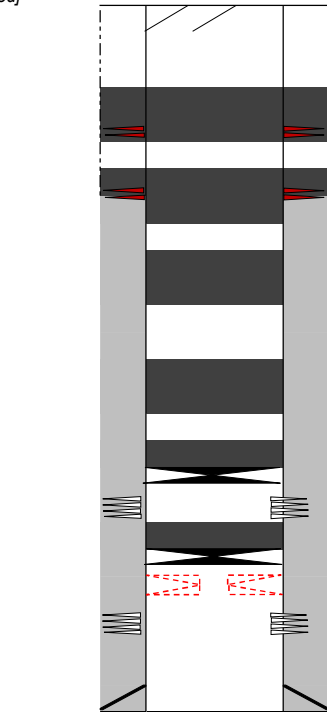
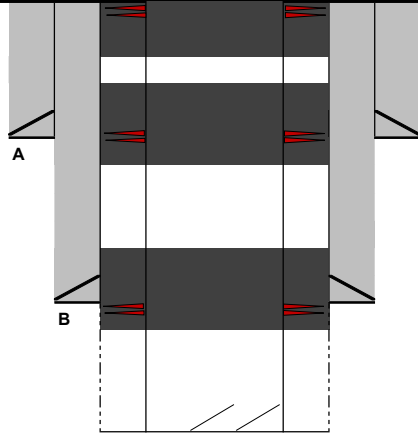
2nd Plug

Existing Strawn Perfs: 7442' - 7548'

1st Plug

Frac Plug at 7600'

Existing Morrow Perfs: 7649' - 7721'



C
 PBTD: 7,954 MD
 TD: 8,020 MD

CASING DETAIL

| # | HOLE SIZE | SIZE | WGHT | GRADE | Top | Bottom | Sx Cmt | Circ/TOC | TOC Method |
|---|-----------|--------|----------|-------|-----|--------|--------|----------|------------|
| A | 17 1/2 | 13 3/8 | 54.5 | - | 0 | 337 | 375 | Circ | |
| B | 12 1/4 | 8 5/8 | 32 | J-55 | 0 | 1,485 | 850 | Circ | |
| C | 7 7/8 | 5 1/2 | 15.5, 17 | J-55 | 0 | 8,020 | 725 | 5200 | CBL |

FORMATION TOPS (TVD)

| | Formation | Top | | Formation | Top | | Formation | Top | |
|--|------------|------|--|---------------|------|--|-----------|-----|--|
| | San Andres | 1340 | | Morrow | 7630 | | | | |
| | Abo | 4878 | | Mississippian | 7814 | | | | |
| | Wolfcamp | 5684 | | | | | | | |
| | Cisco | 6454 | | | | | | | |
| | Strawn | 7067 | | | | | | | |

TUBING DETAIL

| # | Joints | Description | Length | OD | ID | Grade | Wt (lb/ft): | Top (ftKB): | Btm (ftKB): |
|---|--------|-------------------------|--------|----|----|-------|-------------|-------------|-------------|
| | | 2 7/8 tubing and packer | | | | | | 7,146 | |

PLUGS

| # | SX | Class | Top | Bottom | Δ | Notes | Tag |
|---|----|-------|------|--------|-----|--|-----|
| 1 | 12 | H | 7499 | 7599 | 100 | Morrow Perfs | Y |
| 2 | 11 | C | 7292 | 7392 | 100 | Strawn Perfs | N |
| 3 | 25 | C | 6331 | 6577 | 246 | Cisco Top | N |
| 4 | 25 | C | 5561 | 5807 | 246 | Wolfcamp Top | N |
| 5 | 25 | C | 5124 | 5276 | 152 | TOC | Y |
| 6 | 86 | C | 4535 | 4953 | 418 | Abo Top & 3000' Cased Hole Plug Spacing Limitation | Y |
| 7 | 51 | C | 1290 | 1535 | 245 | Int. Csg. Shoe, SA Top | Y |
| 8 | 25 | C | 276 | 398 | 122 | Sur. Csg. Shoe | Y |
| 9 | 11 | C | 0 | 100 | 100 | Surface Plug | Y |

PERFORATION DETAIL

| | Formation | Top | Bottom | | Formation | Top | Bottom | | |
|--|-----------|-------|--------|--|-----------|-----|--------|--|--|
| | Morrow | 7,649 | 7,721 | | | | | | |
| | Strawn | 7,442 | 7,548 | | | | | | |

ADDITIONAL DETAIL

6.5.06 - Set ASI 10K packer with 1.87" on/off tool and 2 3/8" tubing at 7397'

6.2004 - Set frac plug at 7600' - Must be removed for P&A

Prepared by: JGM

**Estellita AFO Federal 1
30-005-62630
EOG Resources Incorporated
August 24, 2021
Conditions of Approval**

- 1. Operator shall place CIBP at 7,599' (50'-100' above top most perf) and places 12 sx of Class H cement on top as proposed. WOC and TAG.**
- 2. Operator shall place CIBP at 7,392' (50'-100' above top most perf) and places 25 sx of Class C cement on top. WOC and TAG.**
- 3. Operator shall place a balanced Class C cement plug from 6,577-6,331' as proposed.**
- 4. Operator shall place a balanced Class C cement plug from 5,807-5,561' to seal the Wolfcamp Formation.**
- 5. Operator shall perf and squeeze at 4,953'. Operator shall place a balanced Class C cement plug from 4,953'-4,535' to seal the Abo Formation. WOC and TAG.**

Note: If plug 6 tags shallow a spacer plug will be needed.

- 6. Operator shall perf and squeeze at 1,535'. Operator shall place a balanced Class C cement plug from 1,535'-1,435' to seal the 8-5/8" casing shoe. WOC and TAG.**
- 7. Operator shall perf and squeeze at 387'. Operator shall place a balanced Class C cement plug from 387'-287' to seal the 13-3/8" casing shoe. WOC and TAG.**
- 8. Operator shall perf and squeeze at 100'. Operator shall place a balanced Class C cement plug from 100' - surface as proposed.**
- 9. See Attached for general plugging stipulations.**

JAM 08242021

BUREAU OF LAND MANAGEMENT
Roswell Field Office
2909 W. Second Street
Roswell, New Mexico 88201
575-627-0272

General Requirements for Plug Backs

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 **ninety (90)** days from this approval.

If you are unable to plug back 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 back. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. Call 575-627-0205.

3. **Blowout Preventers:** 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. **Mud Requirement:** 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 **brine** water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

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.

Before pumping 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.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back 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 work was completed.**

7. **Trash:** 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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 46519

CONDITIONS

| | |
|--|---|
| Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702 | OGRID: 7377 |
| | Action Number: 46519 |
| | Action Type: [C-103] NOI Plug & Abandon (C-103F) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| gcordero | None | 9/16/2021 |