

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: 300056263000C2	Well Status: Producing Gas Well	Operator: EOG RESOURCES INCORPORATED

Accepted for record – NMOCD gc 6/21/2021

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Plug and Abandonment
Date Sundry Submitted: 06/16/2021	Time Sundry Submitted: 03:38
Date proposed operation will begin: 07/13/2021	
Procedure Description: Please see attached. Thank you.	

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Estellita_AFO_Federal_COM_1_6_16_21_20210616153834.pdf

Conditions of Approval

Specialist Review

General_Conditions_of_Approval_20210617074453.pdf

Conditions_of_Approval_20210617074453.pdf

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US Well Number: 300056263000C2	Well Status: Producing Gas Well	Operator: EOG RESOURCES INCORPORATED

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: TINA HUERTA

Signed on: JUN 16, 2021 03:38 PM

Name: EOG Y RESOURCES INCORPORATED

Title: Regulatory Specialist

Street Address: 104 SOUTH FOURTH STREET

City: Artesia**State:** NM

Phone: (575) 748-4168

Email address: tina_huerta@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 Title: Petroleum Engineer

BLM POC Phone: 5756270237

BLM POC Email Address: j1sanchez@blm.gov

Disposition: Approved

Disposition Date: 06/17/2021

Signature: Jennifer Sanchez

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

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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 CO2, 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 N2	
				Frac w/54,000g 65Q CO2 foam and 65,000# interprop	

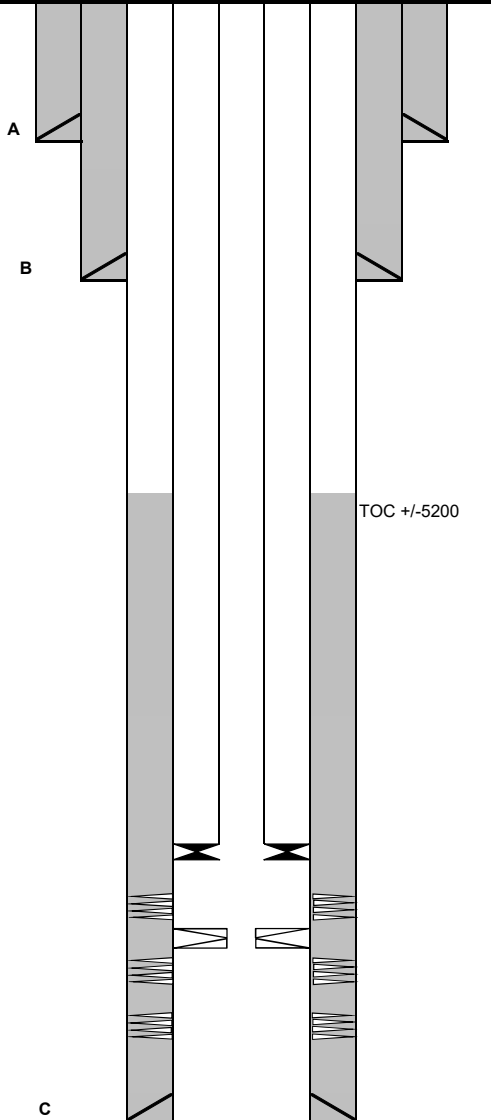
Prepared by: TH

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

Perf C

Perf B

Perf A



Estellita AFO Federal Com 1 Proposed

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

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

10th Plug

9th Plug

8th Plug

Drawing Not to Scale [Depths Omitted]

7th Plug

6th Plug

TOC ~5200' by CBL

5th Plug

4th Plug

3rd Plug

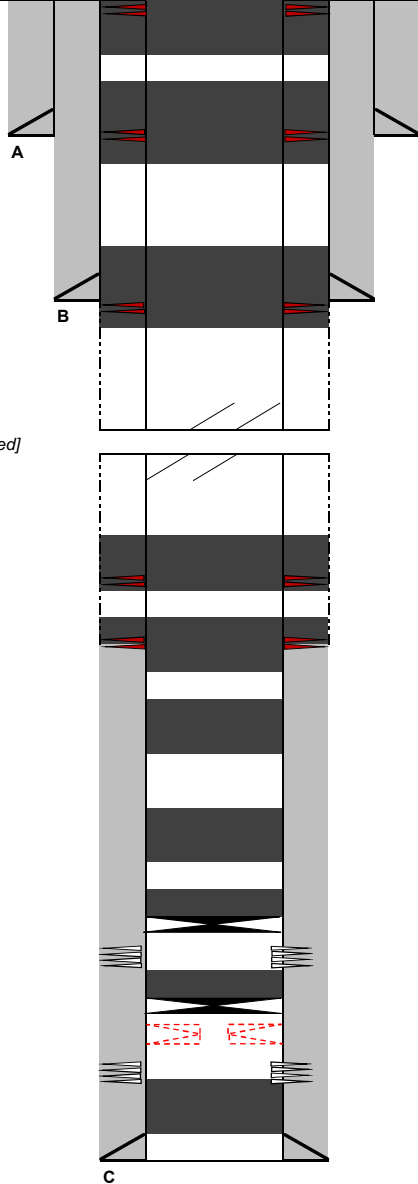
Existing Strawn Perfs: 7442' - 7548'

2nd Plug

Frac Plug at 7600'

Existing Morrow Perfs: 7649' - 7721'

1st Plug



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	25	H	7704	7924	220	Mississippian Top	Y
2	12	H	7499	7599	100	Morrow Perfs	N
3	11	C	7292	7392	100	Strawn Perfs	N
4	25	C	6331	6577	246	Cisco Top	N
5	25	C	5561	5807	246	Wolfcamp Top	N
6	25	C	5124	5276	152	TOC	Y
7	86	C	4535	4953	418	Abo Top & 3000' Cased Hole Plug Spacing Limitation	Y
8	51	C	1290	1535	245	Int. Csg. Shoe, SA Top	Y
9	25	C	276	398	122	Sur. Csg. Shoe	Y
10	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: KJP

EOG Resources, Inc. plans to plug and abandon this well as follows:

1. MIRU all safety equipment as needed. NU BOP. POOH with production equipment.
2. Spot a 25 sx Class H cement plug from 7924 ft – 7704 ft. WOC and tag. This will cover Mississippian top.
3. Set a CIBP at 7599 ft with 12 sx Class H cement on top to 7499 ft. This will cover Morrow perms.
4. Set a CIBP at 7392 ft with 11 sx Class C cement on top to 7292 ft. This will cover Strawn perms.
5. Spot a 25 sx Class C cement plug from 6577 ft – 6331 ft. This will cover Cisco top.
6. Spot a 25 sx Class C cement plug from 5807 ft – 5561 ft. This will cover Wolfcamp top.
7. Perforate at 5276 ft. Spot a 25 sx Class C cement plug from 5276 ft – 5124 ft. WOC and tag. This will cover TOC.
8. Perforate at 4953 ft. Spot an 86 sx Class C cement plug from 4953 ft – 4535 ft. WOC and tag. This will cover Abo top and 3000 ft cased hole plug spacing limitation.
9. Perforate at 1535 ft. Spot a 51 sx Class C cement plug from 1535 ft – 1290 ft. WOC and tag. This will cover casing shoe and San Andres top.
10. Perforate at 398 ft. Spot a 25 sx Class C cement plug from 398 ft – 276 ft. WOC and tag. This will cover casing shoe.
11. Perforate at 100 ft. Spot an 11 sx Class C cement plug from 100 ft up to surface. WOC and tag. Back fill as needed.
12. Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached

**Estellita AFO Federal 1
30-005-62630
EOG Resources Incorporated
June 17, 2021
Conditions of Approval**

1. Operator shall place a balanced Class H cement plug from 7,924'-7,704' as proposed. WOC and TAG.
 2. 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.
 3. 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.
 4. Operator shall place a balanced Class C cement plug from 6,577'-6,331' as proposed.
 5. Operator shall place a balanced Class C cement plug from 5,807'-5,561' to seal the Wolfcamp Formation.
 6. 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.
7. 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.
 8. 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.
 9. Operator shall perf and squeeze at 100'. Operator shall place a balanced Class C cement plug from 100' - surface as proposed.
 10. See Attached for general plugging stipulations.

JAM 06172021

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 32651

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 32651
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	6/21/2021