

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-48840	² Pool Code 97903	³ Pool Name WC-025 G-08 S253235G; Lwr Bone Spring
⁴ Property Code 330803	⁵ Property Name JEFE 29 FED COM	⁶ Well Number 505H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3355'

¹⁰Surface Location

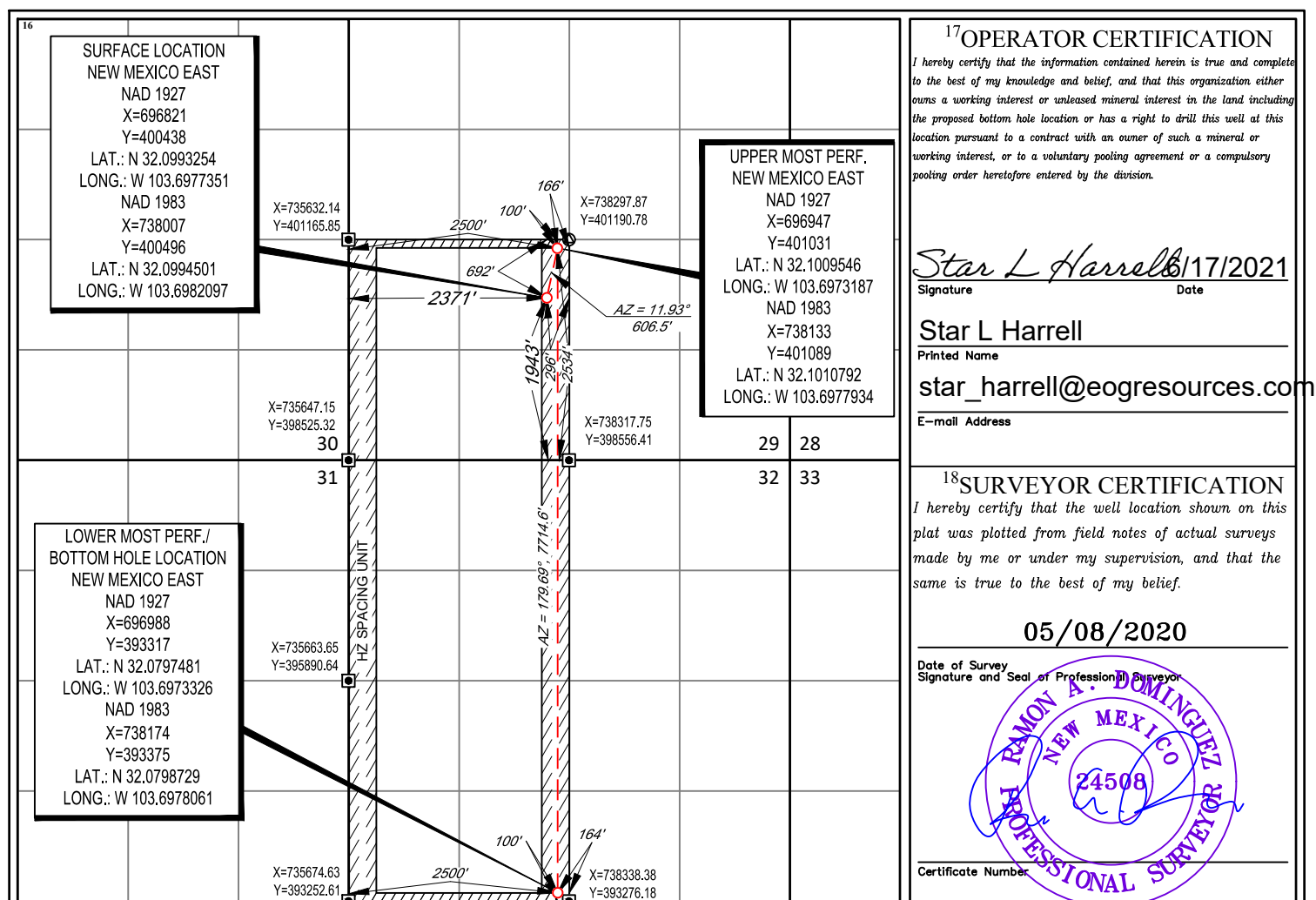
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	29	25-S	32-E	-	1943'	SOUTH	2371'	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
⊖ N	32	25-S	32-E	-	100'	SOUTH	2500'	WEST	LEA

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.



Well Name: JEFE 29 FED COM	Well Location: T25S / R32E / SEC 29 / NESW /	County or Parish/State:
Well Number: 505H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM108971	Unit or CA Name:	Unit or CA Number: NMNM128965
US Well Number:	Well Status: Approved Application for Permit to Drill	Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Type of Submission: Notice of Intent

Type of Action Other

Date Sundry Submitted: 06/17/2021

Time Sundry Submitted: 08:19

Date proposed operation will begin: 06/30/2021

Procedure Description: EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Change BHL to T-25, R-32, Sec 32, 100' FSL, 2500' FWL, Lea Co., N.M.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Jefe_29_Fed_Com_505H_Directional_Combo_20210617081914.pdf
- Jefe_29_Fed_Com_505H_Sundry_Info___Rev_BHL_6.16.2021_20210617081756.pdf
- JEFE_29_FED_COM_505H_C_102_20210617081745.pdf

Well Name: JEFE 29 FED COM	Well Location: T25S / R32E / SEC 29 / NESW /	County or Parish/State:
Well Number: 505H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM108971	Unit or CA Name:	Unit or CA Number: NMNM128965
US Well Number:	Well Status: Approved Application for Permit to Drill	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: ERIC BRORMAN
Signed on: JUN 17, 2021 08:19 AM
Name: EOG RESOURCES INCORPORATED
Title: Engineering Associate
Street Address: 5509 CHAMPIONS DRIVE
City: MIDLAND State: TX
Phone: (432) 556-1276
Email address: ERIC_BRORMAN@EOGRESOURCES.COM

Field Representative

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

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS
BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234
BLM POC Email Address: cwalls@blm.gov
Disposition: Approved
Disposition Date: 07/19/2021
Signature: Chris Walls



Jefe 29 Fed Com 505H

Revised Permit Information 06/16/2021:

Well Name: Jefe 29 Fed Com 505H

Location: SHL: 1943' FSL & 2371' FWL, Section 29, T-25, R-32, Lea Co., N.M.

BHL: 100' FSL & 2500' FWL, Section 32, T-25, R-32, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DFmin Collapse	DFmin Burst	DFmin Tension
16"	0' - 1,220'	13.375"	54.5#	J-55	STC	1.125	1.25	1.6
12.25"	0' - 4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.6
12.25"	4,000' - 4,420'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.6
8.75"	0' - 10,976'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.6
8.5"	10,976' - 18,261'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.6

Variance is requested to waive the centralizer requirements for the 9-5/8" casing in the 12-1/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 12-1/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive any centralizer requirements for the 5-1/2" casing in the 8-3/4" and 8-1/2" hole sizes. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" and 8-1/2" hole intervals to maximize cement bond and zonal isolation.

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,220' 13.375"	370	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 1,020')
4,420' 9.625"	650	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	280	14.8	1.32	Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 3,540')
18,261' 5.5"	640	11.0	3.21	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 3,920')
	1960	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,222')

**Jefe 29 Fed Com 505H**

Additive	Purpose
Bentonite Gel	Lightweight/Lost circulation prevention
Calcium Chloride	Accelerator
Cello-flake	Lost circulation prevention
Sodium Metasilicate	Accelerator
MagOx	Expansive agent
Pre-Mag-M	Expansive agent
Sodium Chloride	Accelerator
FL-62	Fluid loss control
Halad-344	Fluid loss control
Halad-9	Fluid loss control
HR-601	Retarder
Microbond	Expansive Agent

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,220'	Fresh - Gel	8.6-8.8	28-34	N/c
1,220' – 4,420'	Brine	8.6-8.8	28-34	N/c
4,420' – 18,261'	Oil Base	8.8-9.5	58-68	N/c - 6



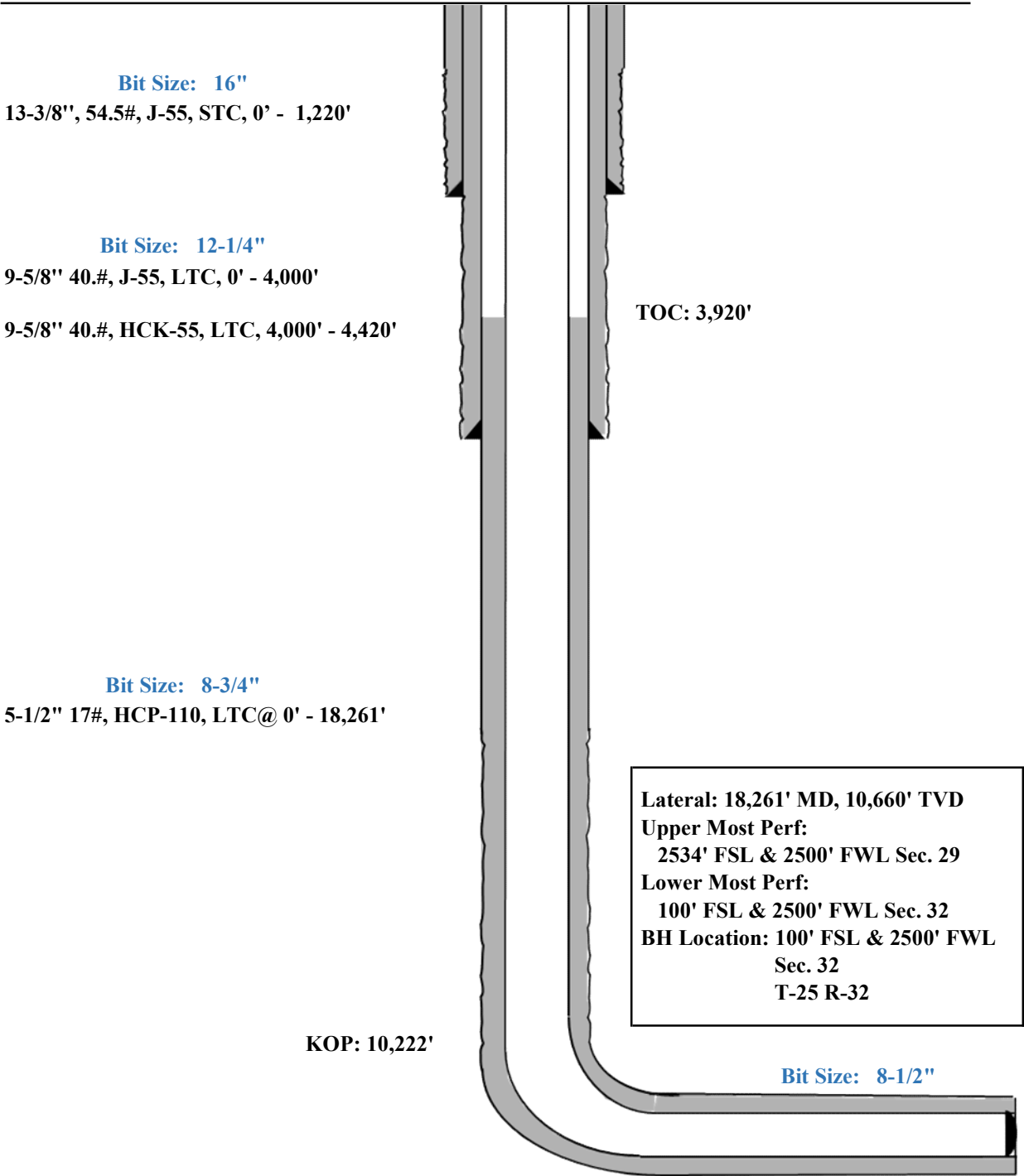
Jefe 29 Fed Com 505H

1943' FSL
2371' FWL
Section 29
T-25, R-32

Revised Wellbore

API: 30-025-48840

KB: 3380'
GL: 3355'



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Santa Fe, NM 87505

CONDITIONS

Action 172741

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 172741
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	1/5/2023