

Well Name: MODELO 3 FED COM	Well Location: T24S / R32E / SEC 3 / SESE / 32.2416809 / -103.6565599	County or Parish/State: LEA / NM
Well Number: 524H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM94850	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254709800X1	Well Status: Approved Application for Permit to Drill	Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Sundry ID: 2644344

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 11/16/2021	Time Sundry Submitted: 07:01
Date proposed operation will begin: 11/30/2021	

Procedure Description: EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Change name from Pegasus 3 Fed Com #301H to Modelo 3 Fed Com #524H. Change SHL to T-24-S, R-32-E, Sec 3, 524' FSL, 1253' FEL, Lea Co., N.M. Change BHL to T-24-S, R-32-E, Sec 15, 2533' FNL, 1485' FEL, Lea Co., N.M. Change target formation to Second Bone Spring Sand. Update casing and cement program to current design. Update HSU to 1000 acres.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Modelo_3_Fed_Com_524H_Wall_Plot_20211116070047.pdf
- Modelo_3_Fed_Com_524H_Planning_Report_20211116070047.pdf
- Modelo_3_Fed_Com_524H_Sundry_Info____Rev_Name__SHL__BHL__tgt__csg__HSU_11.15.2021_20211116065853.pdf
- 10_M_Choke_Manifold_20211116065840.pdf
- EOG_Cameron_3_String_13in_10M_MNDS_20211116065836.PDF
- 10_M_BOP_Diagram_4_String_20211116065834.pdf

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EOG_BLM_Variance_1c___10M_Annular_Variance___3_String_Large_surface_hole_20211116065834.pdf

Co_Flex_Hose_Test_Chart_20211116065834.pdf

Co_Flex_Hose_Certification_20211116065834.pdf

MODELO_3_FED_COM_524H_C_102_20211115150254.pdf

Conditions of Approval

Additional Reviews

Modelo_3_Fed_Com_524H_COA_20211202125952.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: STAR HARRELL

Signed on: NOV 16, 2021 07:00 AM

Name: EOG RESOURCES INCORPORATED

Title: Regulatory Specialist

Street Address: 5509 CHAMPIONS DRIVE

City: MIDLAND **State:** TX

Phone: (432) 848-9161

Email address: STAR_HARRELL@EOGRESOURCES.COM

Field Representative

Representative Name: Eric Brorman

Street Address: 5509 Champions Drive

City: Midland **State:** TX **Zip:** 79706

Phone: (432)556-1276

Email address: eric_brorman@eogresources.com

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: 12/08/2021

Signature: Chris Walls

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1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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District IV
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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 30-025-47098	² Pool Code 96603	³ Pool Name Triste Draw; Bone Spring
⁴ Property Code	⁵ Property Name MODELO 3 FED COM	
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number 524H
		⁹ Elevation 3644'

¹⁰Surface Location

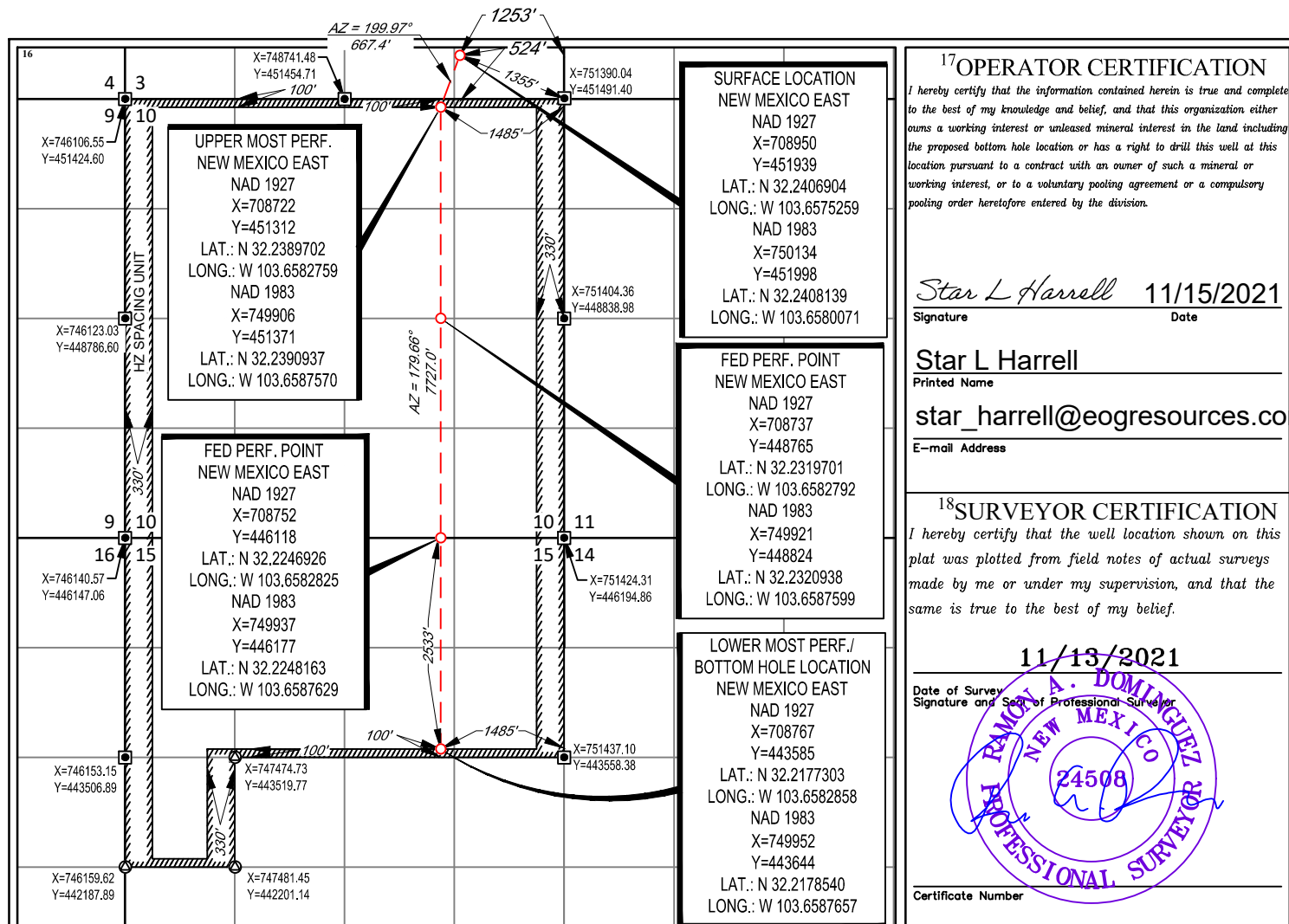
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	3	24-S	32-E	—	524'	SOUTH	1253'	EAST	LEA

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
G	15	24-S	32-E	—	2533'	NORTH	1485'	EAST	LEA

¹² Dedicated Acres 1000.00	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.



**Modelo 3 Fed Com 524H****Revised Permit Information 11/15/2021:**

Well Name: Modelo 3 Fed Com 524H

Location: SHL: 524' FSL & 1253' FEL, Section 3, T-24-S, R-32-E, Lea Co., N.M.

BHL: 2533' FNL & 1485' FEL, Section 15, T-24-S, R-32-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DFmin Collapse	DFmin Burst	DFmin Tension
16"	0' - 1,290'	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' - 4,790'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.6
8.75"	0' - 10,567'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.6
8.5"	10,567' - 18,617'	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
1,290' 13.375"	390	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 @ 1,090')
4,790' 9.625"	700	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	300	14.8	1.32	Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 3,830')
18,617' 5.5"	630	11.0	3.21	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4,285')
	1960	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,567')

**Modelo 3 Fed Com 524H**

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 – 1,290'	Fresh - Gel	8.6-8.8	28-34	N/c
1,290' – 4,790'	Brine	8.6-8.8	28-34	N/c
4,790' – 18,617'	Oil Base	8.8-9.5	58-68	N/c - 6

Wellhead:

EOG Resources Inc. (EOG) respectfully requests a variance from the minimum standards for well control equipment testing of Onshore Order No. 2 (item III.A.2.i) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) to include the following:

- Full BOPE test at first installation on the pad.
- Full BOPE test every 30 days per Onshore Order No. 2.
- Function test BOP elements per Onshore Order No. 2.
- Break testing BOP and BOPE coupled with batch drilling operations and production sections that do not penetrate the Wolfcamp or deeper formations.
- After the well section is cemented the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad. The cemented well will be secured with a blind flange and a pressure gauge for monitoring.



Modelo 3 Fed Com 524H

524' FSL
1253' FEL
Section 3
T-24-S, R-32-E

Revised Wellbore

KB: 3669'
GL: 3644'

API: 30-025-47098

Bit Size: 16"
13-3/8", 54.5#, J-55, STC, 0' - 1,290'

Bit Size: 12-1/4"
9-5/8" 40#, J-55, LTC, 0' - 4,000'
9-5/8" 40#, HCK-55, LTC, 4,000' - 4,790'

5-1/2" 17#, HCP-110, LTC@ 0' - 18,617'

TOC: 4,285'

KOP: 10,567'

Lateral: 18,617' MD, 11,010' TVD
Upper Most Perf:
100' FNL & 1485' FEL Sec. 10
Lower Most Perf:
2533' FNL & 1485' FEL Sec. 15
BH Location: 2533' FNL & 1485' FEL
Sec. 15
T-24-S R-32-E

Bit Size: 8-1/2"

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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 65720

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 65720
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	12/10/2021