

|                                |                                                                      |                                      |
|--------------------------------|----------------------------------------------------------------------|--------------------------------------|
| Well Name: MODELO 3 FED COM    | Well Location: T24S / R32E / SEC 3 / SESE / 32.240833 / -103.6580074 | County or Parish/State: LEA / NM     |
| Well Number: 525H              | Type of Well: OIL WELL                                               | Allottee or Tribe Name:              |
| Lease Number: NMNM94850        | Unit or CA Name:                                                     | Unit or CA Number:                   |
| US Well Number: 300254733400X1 | Well Status: Approved Application for Permit to Drill                | Operator: EOG RESOURCES INCORPORATED |

Notice of Intent

Sundry ID: 2644355

|                                                |                              |
|------------------------------------------------|------------------------------|
| Type of Submission: Notice of Intent           | Type of Action: Other        |
| Date Sundry Submitted: 11/16/2021              | Time Sundry Submitted: 12:16 |
| 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 #703H to Modelo 3 Fed Com #525H. Change SHL to T-24-S, R-32-E, Sec 3, 544' FSL, 1253' FEL, Lea Co., N.M. Change BHL to T-24-S, R-32-E, Sec 15, 2532' FNL, 1870' 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

- Wellhead\_9.675\_in\_20211116121543.pdf
- Modelo\_3\_Fed\_Com\_525H\_Sundry\_Info\_\_\_Rev\_Name\_\_SHL\_\_BHL\_\_tgt\_\_csg\_\_HSU\_11.15.2021\_20211116121526.pdf
- 10\_M\_Choke\_Manifold\_20211116121508.pdf
- EOG\_BLM\_10M\_Annular\_Variance\_\_\_9.675\_in\_20211116121504.pdf
- Co\_Flex\_Hose\_Test\_Chart\_20211116121503.pdf
- 5.500in\_20.00\_VST\_P110EC\_VAM\_SFC\_20211116121502.pdf

|                                       |                                                                             |                                             |
|---------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------|
| <b>Well Name:</b> MODELO 3 FED COM    | <b>Well Location:</b> T24S / R32E / SEC 3 / SESE / 32.240833 / -103.6580074 | <b>County or Parish/State:</b> LEA / NM     |
| <b>Well Number:</b> 525H              | <b>Type of Well:</b> OIL WELL                                               | <b>Allottee or Tribe Name:</b>              |
| <b>Lease Number:</b> NMNM94850        | <b>Unit or CA Name:</b>                                                     | <b>Unit or CA Number:</b>                   |
| <b>US Well Number:</b> 300254733400X1 | <b>Well Status:</b> Approved Application for Permit to Drill                | <b>Operator:</b> EOG RESOURCES INCORPORATED |

7.625in\_29.70\_P110HC\_FXL\_20211116121502.pdf

10\_M\_BOP\_Diagram\_9.675\_in\_20211116121501.pdf

Co\_Flex\_Hose\_Certification\_20211116121501.pdf

5.500in\_20.00\_VST\_P110EC\_DWC\_C\_IS\_MS\_Spec\_Sheet\_20211116121501.pdf

Modelo\_3\_Fed\_Com\_525H\_Wall\_Plot\_20211116121426.pdf

Modelo\_3\_Fed\_Com\_525H\_Planning\_Report\_20211116121425.pdf

MODELO\_3\_FED\_COM\_525H\_C\_102\_20211115150407.pdf

Conditions of Approval

Additional Reviews

Modelo\_3\_Fed\_Com\_525H\_COA\_20211203102505.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 12:16 PM

**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:** 12/09/2021

**Signature:** Chris Walls

Received by OCD: 12/9/2021 1:22:38 PM

Page 3 of 8

|                                |                                                                      |                                      |
|--------------------------------|----------------------------------------------------------------------|--------------------------------------|
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| Well Number: 525H              | Type of Well: OIL WELL                                               | Allottee or Tribe Name:              |
| Lease Number: NMNM94850        | Unit or CA Name:                                                     | Unit or CA Number:                   |
| US Well Number: 300254733400X1 | Well Status: Approved Application for Permit to Drill                | Operator: EOG RESOURCES INCORPORATED |

CONFIDENTIAL

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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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

|                                                |                                                          |                                                           |
|------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-025-47334</b> | <sup>2</sup> Pool Code<br><b>96603</b>                   | <sup>3</sup> Pool Name<br><b>Triste Draw; Bone Spring</b> |
| <sup>4</sup> Property Code                     | <sup>5</sup> Property Name<br><b>MODELO 3 FED COM</b>    |                                                           |
| <sup>7</sup> OGRID No.<br><b>7377</b>          | <sup>8</sup> Operator Name<br><b>EOG RESOURCES, INC.</b> | <sup>6</sup> Well Number<br><b>525H</b>                   |
|                                                |                                                          | <sup>9</sup> Elevation<br><b>3644'</b>                    |

<sup>10</sup>Surface Location

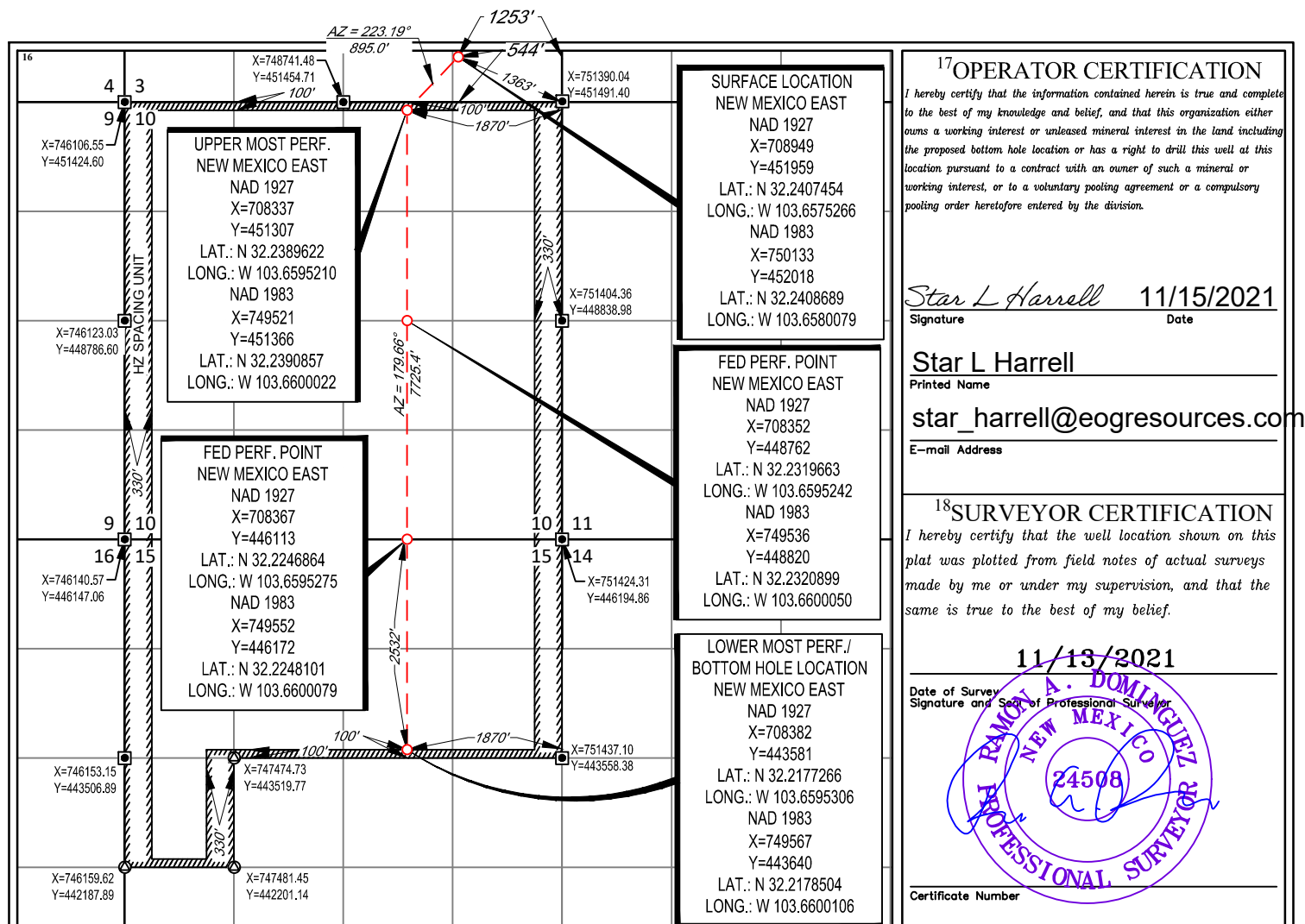
|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| P             | 3       | 24-S     | 32-E  | —       | 544'          | SOUTH            | 1253'         | EAST           | LEA    |

<sup>11</sup>Bottom 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  | —       | 2532'         | NORTH            | 1870'         | EAST           | LEA    |

|                                                 |                               |                                  |                         |
|-------------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>1000.00</b> | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|-------------------------------------------------|-------------------------------|----------------------------------|-------------------------|

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 525H****Revised Permit Information 11/15/2021:**

Well Name: Modelo 3 Fed Com 525H

Location: SHL: 544' FSL &amp; 1253' FEL, Section 3, T-24-S, R-32-E, Lea Co., N.M.

BHL: 2532' FNL &amp; 1870' 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' - 10,600'      | 5.5"    | 17#    | HCP-110 | LTC  | 1.125          | 1.25        | 1.6           |
| 8.5"      | 10,600' - 18,649' | 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'<br>13.375" | 390       | 13.5    | 1.73       | Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl <sub>2</sub> + 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'<br>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')                                                   |
| 18,649'<br>5.5"   | 640       | 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 @ 10,600')                         |

**Modelo 3 Fed Com 525H**

| 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' – 18,649' | 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 525H

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

Revised Wellbore

KB: 3669'  
GL: 3644'

API: 30-025-47334

**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' - 18,649'

TOC: 4,285'

KOP: 10,600'

Lateral: 18,649' MD, 11,010' TVD  
Upper Most Perf:  
100' FNL & 1870' FEL Sec. 10  
Lower Most Perf:  
2533' FNL & 1870' FEL Sec. 15  
BH Location: 2532' FNL & 1870' FEL  
Sec. 15  
T-24-S R-32-E

**Bit Size: 8-1/2"**

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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 66017

**CONDITIONS**

|                                                                      |                                                      |
|----------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 | OGRID:<br>7377                                       |
|                                                                      | Action Number:<br>66017                              |
|                                                                      | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

**CONDITIONS**

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