

|                                |                                                                        |                                      |
|--------------------------------|------------------------------------------------------------------------|--------------------------------------|
| Well Name: YUKON 20 FED COM    | Well Location: T24S / R34E / SEC 20 / NENE / 32.2085128 / -103.4871619 | County or Parish/State: LEA / NM     |
| Well Number: 502H              | Type of Well: OIL WELL                                                 | Allottee or Tribe Name:              |
| Lease Number: NMNM17241        | Unit or CA Name:                                                       | Unit or CA Number:                   |
| US Well Number: 300254693000X1 | Well Status: Approved Application for Permit to Drill                  | Operator: EOG RESOURCES INCORPORATED |

Notice of Intent

Sundry ID: 2643511

|                                                |                              |
|------------------------------------------------|------------------------------|
| Type of Submission: Notice of Intent           | Type of Action: Other        |
| Date Sundry Submitted: 11/08/2021              | Time Sundry Submitted: 02:48 |
| Date proposed operation will begin: 11/28/2021 |                              |

**Procedure Description:** EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Change name from #302H to #502H. Change SHL to T-24-S, R-34-E, Sec 20, 493' FNL, 2139' FWL, Lea Co., N.M. Change BHL to T-24-S, R-34-E, Sec 29, 100' FSL, 715' FWL, Lea Co., N.M. Change target formation to Second Bone Spring Sand. Update casing and cement program to current design.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- 10\_M\_Choke\_Manifold\_20211108144721.pdf
- EOG\_Cameron\_3\_String\_13in\_10M\_MNDS\_20211108144715.PDF
- Co\_Flex\_Hose\_Test\_Chart\_20211108144715.pdf
- EOG\_BLM\_Variance\_1c\_\_\_10M\_Annular\_Variance\_\_\_3\_String\_Large\_surface\_hole\_20211108144715.pdf
- 10\_M\_BOP\_Diagram\_13.625\_in\_20211108144715.pdf
- Co\_Flex\_Hose\_Certification\_20211108144714.pdf
- Yukon\_20\_Fed\_Com\_502H\_Sundry\_Info\_\_\_Rev\_Name\_\_SHL\_\_BHL\_\_tgt\_\_csg\_11.5.2021\_20211108144700.pdf

Received by OCD: 11/23/2021 2:53:00 PM

Page 2 of 7

|                                |                                                                        |                                      |
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| US Well Number: 300254693000X1 | Well Status: Approved Application for Permit to Drill                  | Operator: EOG RESOURCES INCORPORATED |

YUKON\_20\_FED\_COM\_502H\_C\_102\_20211108144606.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 08, 2021 02:47 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: 11/23/2021  
Signature: Chris Walls

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1625 N. French Dr., Hobbs, NM 88240  
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District II  
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District IV  
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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

|                                                |                                                          |                                                                |
|------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-025-46930</b> | <sup>2</sup> Pool Code<br><b>96434</b>                   | <sup>3</sup> Pool Name<br><b>Red Hills; Bone Spring, North</b> |
| <sup>4</sup> Property Code<br><b>327233</b>    | <sup>5</sup> Property Name<br><b>YUKON 20 FED COM</b>    | <sup>6</sup> Well Number<br><b>#502H</b>                       |
| <sup>7</sup> OGRID No.<br><b>7377</b>          | <sup>8</sup> Operator Name<br><b>EOG RESOURCES, INC.</b> | <sup>9</sup> Elevation<br><b>3537'</b>                         |

<sup>10</sup>Surface Location

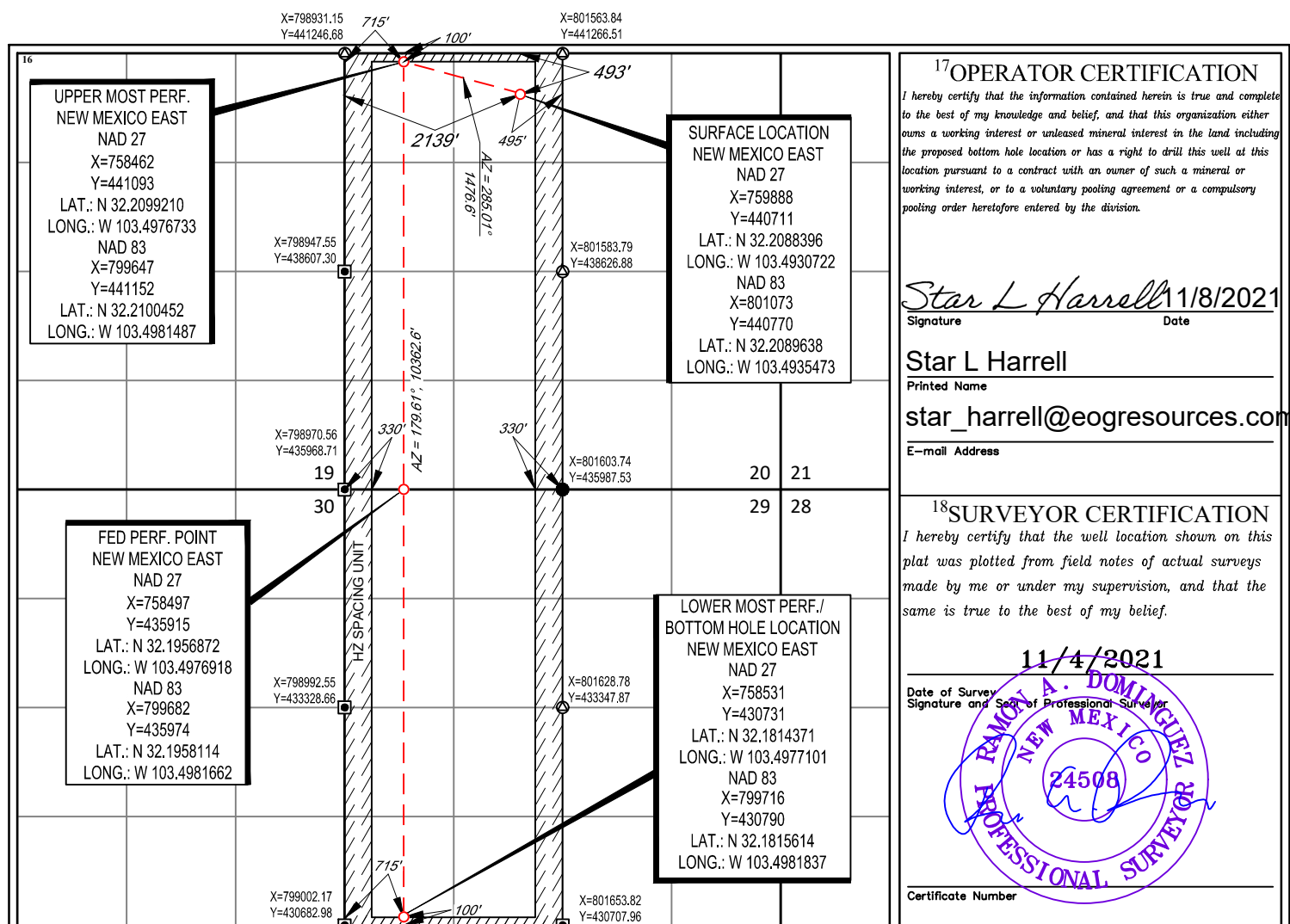
| UL or lot no. | Section   | Township    | Range       | Lot Idn  | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|-----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>C</b>      | <b>20</b> | <b>24-S</b> | <b>34-E</b> | <b>-</b> | <b>493'</b>   | <b>NORTH</b>     | <b>2139'</b>  | <b>WEST</b>    | <b>LEA</b> |

<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     |
|---------------|-----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>M</b>      | <b>29</b> | <b>24-S</b> | <b>34-E</b> | <b>-</b> | <b>100'</b>   | <b>SOUTH</b>     | <b>715'</b>   | <b>WEST</b>    | <b>LEA</b> |

|                                                |                               |                                  |                         |
|------------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>640.00</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.





## Yukon 20 Fed Com 502H

## Revised Permit Information 11/05/2021:

Well Name: Yukon 20 Fed Com 502H

Location: SHL: 493' FNL &amp; 2139' FWL, Section 20, T-24-S, R-34-E, Lea Co., N.M.

BHL: 100' FSL &amp; 715' FWL, Section 29, T-24-S, R-34-E, Lea Co., N.M.

## Casing Program:

| Hole Size | Interval          | Csg OD  | Weight | Grade   | Conn | DFmin Collapse | DFmin Burst | DFmin Tension |
|-----------|-------------------|---------|--------|---------|------|----------------|-------------|---------------|
| 16"       | 0' - 1,320'       | 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' - 5,220'   | 9.625"  | 40#    | HCK-55  | LTC  | 1.125          | 1.25        | 1.6           |
| 8.75"     | 0' - 11,295'      | 5.5"    | 17#    | HCP-110 | LTC  | 1.125          | 1.25        | 1.6           |
| 8.5"      | 11,295' - 21,230' | 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                                                                                   |
|-------------------|-----------|---------|------------|------------------------------------------------------------------------------------------------------|
| 1,320'<br>13.375" | 400       | 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 @ 1,120')        |
| 5,220'<br>9.625"  | 760       | 12.7    | 2.22       | Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)                               |
|                   | 330       | 14.8    | 1.32       | Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 4,170')                                                   |
| 21,230'<br>5.5"   | 590       | 11.0    | 3.21       | Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4,717')                          |
|                   | 2590      | 14.4    | 1.2        | Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,545')                         |



### Yukon 20 Fed Com 502H

| 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 – 1,320'       | Fresh - Gel | 8.6-8.8      | 28-34     | N/c        |
| 1,320' – 5,220'  | Brine       | 8.6-8.8      | 28-34     | N/c        |
| 5,220' – 21,230' | 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.



## Yukon 20 Fed Com 502H

493' FNL  
2139' FWL  
Section 20  
T-24-S, R-34-E

Revised Wellbore

KB: 3562'  
GL: 3537'

API: 30-025-46930

Bit Size: 16"  
13-3/8", 54.5#, J-55, STC, 0' - 1,320'

Bit Size: 12-1/4"  
9-5/8" 40#, J-55, LTC, 0' - 4,000'  
9-5/8" 40#, HCK-55, LTC, 4,000' - 5,220'

TOC: 4,717'

5-1/2" 17#, HCP-110, LTC@ 0' - 21,230'

KOP: 10,545'

Lateral: 21,230' MD, 10,830' TVD  
Upper Most Perf:  
100' FNL & 715' FWL Sec. 20  
Lower Most Perf:  
100' FSL & 715' FWL Sec. 29  
BH Location: 100' FSL & 715' FWL  
Sec. 29  
T-24-S R-34-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 63429

CONDITIONS

|                                                                      |                                                      |
|----------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 | OGRID:<br>7377                                       |
|                                                                      | Action Number:<br>63429                              |
|                                                                      | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| pkautz     | None      | 11/24/2021     |