

Well Name: YUKON 20 FED COM	Well Location: T24S / R34E / SEC 20 / NENW / 32.2089638 / -103.493494	County or Parish/State: LEA / NM
Well Number: 503H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM17241	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254697300X1	Well Status: Approved Application for Permit to Drill	Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Sundry ID: 2643516

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 11/08/2021	Time Sundry Submitted: 02:54
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 #307H fka 707H to #503H. Change BHL to T-24-S, R-34-E, Sec 29, 100' FSL, 1100' 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

- YUKON\_20\_FED\_COM\_503H\_C\_102\_20211108145401.pdf
- 10\_M\_Choke\_Manifold\_20211108145251.pdf
- EOG\_Cameron\_3\_String\_13in\_10M\_MNDS\_20211108145246.PDF
- EOG\_BLM\_Variance\_1c\_\_\_10M\_Annular\_Variance\_\_\_3\_String\_Large\_surface\_hole\_20211108145246.pdf
- Co\_Flex\_Hose\_Test\_Chart\_20211108145246.pdf
- Co\_Flex\_Hose\_Certification\_20211108145245.pdf
- 10\_M\_BOP\_Diagram\_13.625\_in\_20211108145245.pdf

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Yukon\_20\_Fed\_Com\_503H\_Sundry\_Info\_\_\_Rev\_Name\_\_BHL\_\_tgt\_\_csg\_11.5.2021\_20211108145205.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 02:54 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:** 12/01/2021

**Signature:** Chris Walls

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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 <b>30-025-46973</b>	<sup>2</sup> Pool Code <b>96434</b>	<sup>3</sup> Pool Name <b>Red Hills; Bone Spring, North</b>
<sup>4</sup> Property Code <b>327233</b>	<sup>5</sup> Property Name <b>YUKON 20 FED COM</b>	<sup>6</sup> Well Number <b>#503H</b>
<sup>7</sup> OGRID No. <b>7377</b>	<sup>8</sup> Operator Name <b>EOG RESOURCES, INC.</b>	<sup>9</sup> Elevation <b>3538'</b>

<sup>10</sup>Surface Location

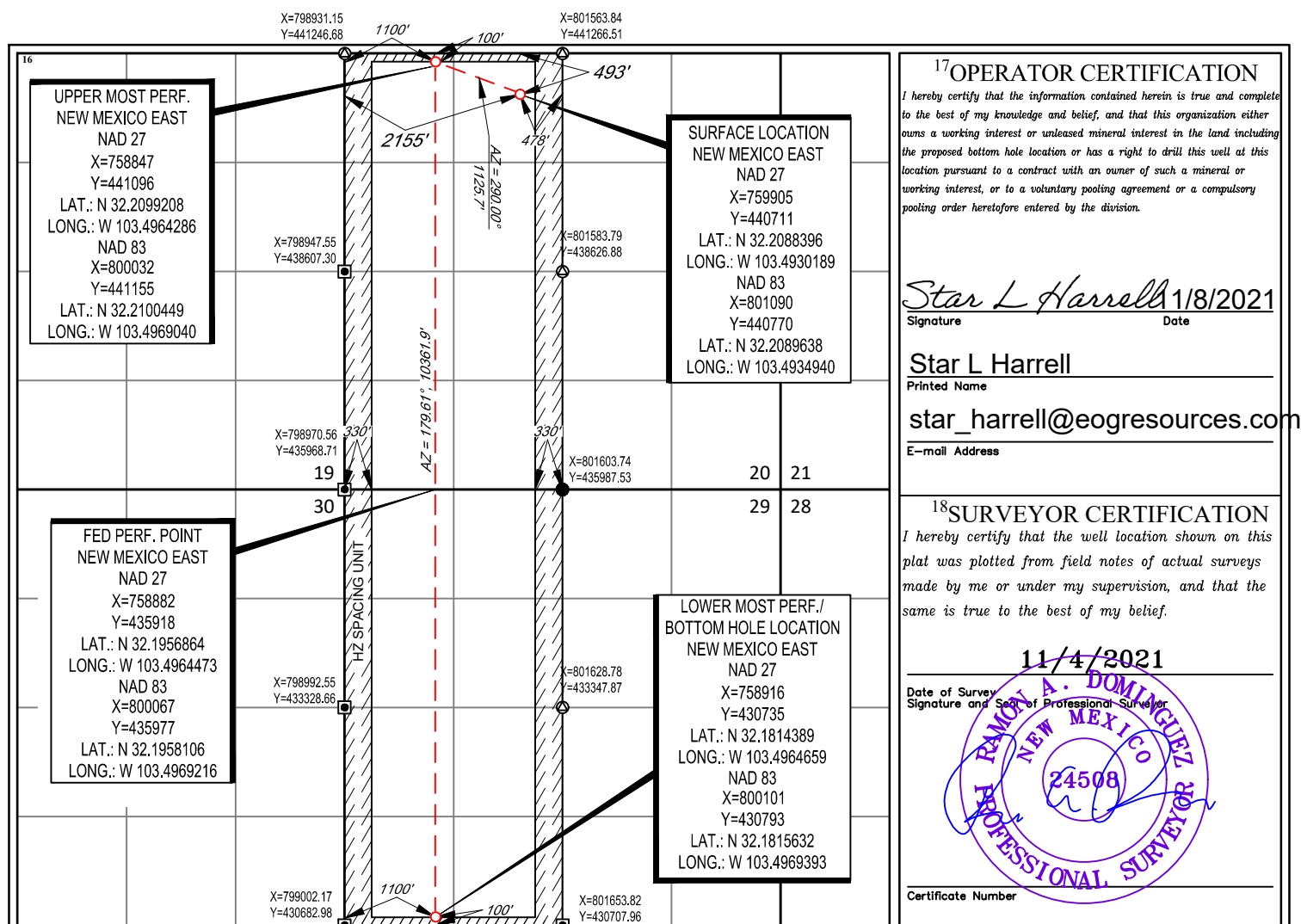
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>C</b>	<b>20</b>	<b>24-S</b>	<b>34-E</b>	<b>-</b>	<b>493'</b>	<b>NORTH</b>	<b>2155'</b>	<b>WEST</b>	<b>LEA</b>

<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>1100'</b>	<b>WEST</b>	<b>LEA</b>

<sup>12</sup> Dedicated Acres <b>640.00</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.





## Yukon 20 Fed Com 503H

## Revised Permit Information 11/05/2021:

Well Name: Yukon 20 Fed Com 503H

Location: SHL: 493' FNL &amp; 2155' FWL, Section 20, T-24-S, R-34-E, Lea Co., N.M.

BHL: 100' FSL &amp; 1100' 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' - 11,084'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.6
8.5"	11,084' - 21,019'	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' 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' 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')
21,019' 5.5"	570	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 @ 10,334')



### Yukon 20 Fed Com 503H

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' – 21,019'	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 503H

493' FNL  
2155' FWL  
Section 20  
T-24-S, R-34-E

Revised Wellbore

KB: 3563'  
GL: 3538'

API: 30-025-46973

**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'

5-1/2" 17#, HCP-110, LTC@ 0' - 21,019'

TOC: 4,717'

KOP: 10,334'

Lateral: 21,019' MD, 10,700' TVD  
Upper Most Perf:  
100' FNL & 1100' FWL Sec. 20  
Lower Most Perf:  
100' FSL & 1100' FWL Sec. 29  
BH Location: 100' FSL & 1100' 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 64489

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 64489
	Action Type: [C-103] NOI Change of Plans (C-103A)

**CONDITIONS**

Created By	Condition	Condition Date
pkautz	None	12/1/2021