

Well Name: JEFE 29 FED COM	Well Location: T25S / R32E / SEC 29 / NWSW /	County or Parish/State:
Well Number: 502H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM108971	Unit or CA Name:	Unit or CA Number:
US Well Number:	Well Status: Approved Application for Permit to Drill	Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Type of Submission: Notice of Intent

Date Sundry Submitted: 06/29/2021

Date proposed operation will begin: 07/14/2021

Type of Action Other

Time Sundry Submitted: 02:43

Procedure Description: EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Update casing and cement program to current design.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- 6\_inch\_24.50ppf\_P110\_ICY\_TXP\_20210629144300.PDF
- Jefe\_29\_Fed\_Com\_502H\_Sundry\_Info\_\_\_Rev\_csg\_6.16.2021\_20210629144255.pdf

<b>Well Name:</b> JEFE 29 FED COM	<b>Well Location:</b> T25S / R32E / SEC 29 / NWSW /	<b>County or Parish/State:</b>
<b>Well Number:</b> 502H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM108971	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b>	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> EOG RESOURCES INCORPORATED

Conditions of Approval

Additional Reviews

Jefe\_29\_Federal\_Com\_502H\_DrillingCOA\_Sundry\_2505844\_20210711105240.pdf

292532L\_Sundry\_2505844\_Jefe\_29\_Federal\_Com\_502H\_Lea\_NMNM108971\_EOG\_13\_22\_07102021\_NMK\_20210711105233.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.

<b>Operator Electronic Signature:</b> ERIC BRORMAN	<b>Signed on:</b> JUN 29, 2021 02:43 PM
<b>Name:</b> EOG RESOURCES INCORPORATED	
<b>Title:</b> Engineering Associate	
<b>Street Address:</b> 5509 CHAMPIONS DRIVE	
<b>City:</b> MIDLAND	<b>State:</b> TX
<b>Phone:</b> (432) 556-1276	
<b>Email address:</b> ERIC_BRORMAN@EOGRESOURCES.COM	

Field Representative

<b>Representative Name:</b>		
<b>Street Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>Phone:</b>		
<b>Email address:</b>		

BLM Point of Contact

<b>BLM POC Name:</b> CHRISTOPHER WALLS	<b>BLM POC Title:</b> Petroleum Engineer
<b>BLM POC Phone:</b> 5752342234	<b>BLM POC Email Address:</b> cwalls@blm.gov
<b>Disposition:</b> Approved	<b>Disposition Date:</b> 07/12/2021
<b>Signature:</b> Chris Walls	



## Jefe 29 Fed Com 502H

**Revised Permit Information 06/16/2021:**

Well Name: Jefe 29 Fed Com 502H

Location: SHL: 2128' FSL &amp; 595' FWL, Section 29, T-25-S, R-32-E, Lea Co., N.M.

BHL: 100' FSL &amp; 920' FWL, Section 32, T-25-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' - 1,210'	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' - 4,410'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.6
8.75"	0' - 10,933'	6"	24.5#	ICYP-110	TXP	1.125	1.25	1.6
8.5"	10,933' - 18,219'	6"	24.5#	ICYP-110	TXP	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 6" 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
1,210' 13.375"	370	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 @ 1,010')
4,410' 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 @ 3,530')
18,219' 6"	560	11.0	3.21	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 3,910')
	1690	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,183')

**Jefe 29 Fed Com 502H**

<b>Additive</b>	<b>Purpose</b>
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:**

<b>Depth</b>	<b>Type</b>	<b>Weight (ppg)</b>	<b>Viscosity</b>	<b>Water Loss</b>
0 – 1,210'	Fresh - Gel	8.6-8.8	28-34	N/c
1,210' – 4,410'	Brine	8.6-8.8	28-34	N/c
4,410' – 18,219'	Oil Base	8.8-9.5	58-68	N/c - 6



## Jefe 29 Fed Com 502H

2128' FSL

595' FWL

Section 29

T-25-S, R-32-E

Revised Wellbore

KB: 3385'

GL: 3360'

API: 30-025-48836

Bit Size: 16"  
13-3/8", 54.5#, J-55, STC, 0' - 1,210'

Bit Size: 12-1/4"  
9-5/8" 40#, J-55, LTC, 0' - 4,000'  
9-5/8" 40#, HCK-55, LTC, 4,000' - 4,410'

TOC: 3,910'

Bit Size: 8-3/4"  
6" 24.5#, ICYP-110, TXP@ 0' - 18,219'

KOP: 10,183'

Lateral: 18,219' MD, 10,645' TVD  
Upper Most Perf:  
2538' FSL & 920' FWL Sec. 29  
Lower Most Perf:  
100' FSL & 920' FWL Sec. 32  
BH Location: 100' FSL & 920' FWL  
Sec. 32  
T-25-S R-32-E

Bit Size: 8-1/2"



## Data Sheet

TH DS-17.0554 02 Oct 17

Rev 00

**TenarisXP® BTC - 6" 24.50 ppf P110-ICY  
(USC Units)**



PIPE BODY DATA					
GEOMETRY					
Nominal OD	6.000 in.	Nominal Weight	24.50 lbs/ft	Standard Drift Diameter	5.075 in.
Nominal ID	5.200 in.	Wall Thickness	0.400 in.	Special Drift Diameter	-
Plain End Weight	23.95 lbs/ft				
PERFORMANCE					
Body Yield Strength	880 x 1000 lbs	Internal Yield	14580 psi	Collapse	12970 psi
CONNECTION DATA					
GEOMETRY					
Coupling OD	6.800 in.	Coupling Option	Regular	Connection ID	5.188 in.
Critical Section Area	7.037 sq. in.	Coupling Length	9.608 in.	Make-Up Loss	4.283 in.
Threads per Inch	5				
PERFORMANCE					
Tension Efficiency	100.0 %	Joint Yield Strength	880 x 1000 lbs	Internal Pressure Rating	14580 psi
Compression Efficiency	100.0 %	Compression Rating	880 x 1000 lbs	External Pressure Rating	12970 psi
Bending	95°/100 ft				
MAKE-UP TORQUES <sup>(1)</sup>					
Minimum	14440 ft-lbs	Target	16040 ft-lbs	Maximum	17640 ft-lbs
Operating Torque	23600 ft-lbs	Yield Torque	27400 ft-lbs		

(1) Torque values calculated for API Modified thread compounds with Friction Factor=1. For other thread compounds please contact us at [licensees@oilfield.tenaris.com](mailto:licensees@oilfield.tenaris.com)

**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 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 36392

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 36392
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	8/9/2021