

Well Name: JEFE 29 FED COM	Well Location: T25S / R32E / SEC 29 / NWSW /	County or Parish/State:
Well Number: 501H	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: 02:39

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_20210629143908.PDF
 - Jefe_29_Fed_Com_501H_Sundry_Info___Rev_csg_6.16.2021_20210629143900.pdf

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Conditions of Approval

Additional Reviews

Jefe_29_Federal_Com_501H_DrillingCOA_Sundry_250841_20210710101438.pdf

292532L_Sundry_2505841_Jefe_29_Federal_Com_501H_Lea_NMNM108971_EOG_13_22_07102021_NMK_20210710101431.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: ERIC BRORMAN	Signed on: JUN 29, 2021 02:39 PM
Name: EOG RESOURCES INCORPORATED	
Title: Engineering Associate	
Street Address: 5509 CHAMPIONS DRIVE	
City: MIDLAND	State: TX
Phone: (432) 556-1276	
Email address: ERIC_BRORMAN@EOGRESOURCES.COM	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

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: 07/12/2021
Signature: Chris Walls	



Jefe 29 Fed Com 501H

Revised Permit Information 06/16/2021:

Well Name: Jefe 29 Fed Com 501H

Location: SHL: 2129' FSL & 562' FWL, Section 29, T-25-S, R-32-E, Lea Co., N.M.

BHL: 100' FSL & 330' 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' - 10,931'	6"	24.5#	ICYP-110	TXP	1.125	1.25	1.6
8.5"	10,931' - 18,216'	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 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 @ 1,010')
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')
18,216' 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 @ 10,181')

**Jefe 29 Fed Com 501H**

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 – 1,210'	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' – 18,216'	Oil Base	8.8-9.5	58-68	N/c - 6



Jefe 29 Fed Com 501H

2129' FSL

Revised Wellbore

KB: 3385'

562' FWL

GL: 3360'

Section 29

T-25-S, R-32-E

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' - 18,216'

KOP: 10,181'

Lateral: 18,216' MD, 10,645' TVD
Upper Most Perf:
2540' FSL & 330' FWL Sec. 29
Lower Most Perf:
100' FSL & 330' FWL Sec. 32
BH Location: 100' FSL & 330' 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 ⁽¹⁾					
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

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 36389

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 36389
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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