

Well Name: PEGASUS 3 FED COM	Well Location: T24S / R32E / SEC 3 / SESW / 32.2404668 / -103.6659023	County or Parish/State: LEA / NM
Well Number: 509H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM94850	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254725000X1	Well Status: Drilling Well	Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Sundry ID: 2648340

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 12/13/2021	Time Sundry Submitted: 06:57
Date proposed operation will begin: 12/13/2021	

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

- Pegasus\_3\_Fed\_Com\_509H\_Sundry\_Des\_\_\_Rev\_csg\_12.10.2021\_20211213065733.pdf
- 8.75\_38.5\_lb\_ft\_P110EC\_SPRINT\_SF\_IR778\_ENG\_CDS43\_rev0\_20211213065727.pdf

<b>Well Name:</b> PEGASUS 3 FED COM	<b>Well Location:</b> T24S / R32E / SEC 3 / SESW / 32.2404668 / -103.6659023	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 509H	<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> 300254725000X1	<b>Well Status:</b> Drilling Well	<b>Operator:</b> EOG RESOURCES INCORPORATED

Conditions of Approval

Specialist Review

Pegasus\_3\_Fed\_Com\_509H\_COA\_20211213183528.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: DEC 13, 2021 06:57 AM

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: ZOTA M STEVENS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345998

BLM POC Email Address: ZSTEVENS@BLM.GOV

Disposition: Approved

Disposition Date: 12/13/2021

Signature: Zota Stevens

Issued on: 09 Dec. 2020 by Wesley Ott

# VAM® SPRINT-SF

## Connection Data Sheet

<b>OD</b> <b>8 3/4 in.</b>	<b>Weight (lb/ft)</b> <b>Nominal: 38.50</b> <b>Plain End: 36.98</b>	<b>Wall Th.</b> <b>0.415 in.</b>	<b>Grade</b> <b>P110EC</b>	<b>Spec. Drift:</b> <b>7.875 in.</b>	<b>Connection</b> <b>VAM® SPRINT-SF</b>
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PIPE PROPERTIES		
Nominal OD	8.750	in.
Nominal ID	7.920	in.
Nominal Cross Section Area	10.867	sqin.
Grade Type	High Yield	
Min. Yield Strength	125	ksi
Max. Yield Strength	140	ksi
Min. Ultimate Tensile Strength	135	ksi

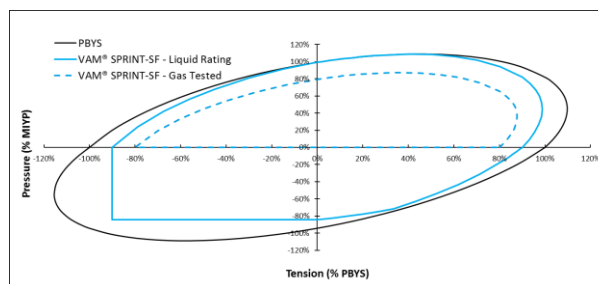
CONNECTION PROPERTIES		
Connection Type	Integral Semi-Flush	
Connection OD (nom):	9.009	in.
Connection ID (nom):	7.945	in.
Make-Up Loss	4.905	in.
Critical Cross Section	9.970	sqin.
Tension Efficiency	89.0	% of pipe
Compression Efficiency	80.0	% of pipe
Internal Pressure Efficiency	87	% of pipe
External Pressure Efficiency	100	% of pipe

CONNECTION PERFORMANCES		
Tensile Yield Strength	1,209	klb
Compression Resistance	1,086	klb
Internal Yield Pressure	9,030	psi
Collapse Resistance	5,210	psi
Max. Structural Bending	55	°/100ft
Max. Bending with ISO/API Sealability	30	°/100ft

\* 87.5% RBW

TORQUE VALUES		
Min. Make-up torque	20,750	ft.lb
Opt. Make-up torque	23,250	ft.lb
Max. Make-up torque	25,750	ft.lb
Max. Torque with Sealability (MTS)	50,000	ft.lb

**VAM® SPRINT-SF** is a semi-flush connection innovatively designed for extreme shale applications. Its high tension rating and ultra high torque capacity make it ideal to run a fill string length as production casing in shale wells with extended horizontal sections and tight clearance requirements.



Do you need help on this product? - Remember no one knows VAM® like VAM®

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Over 140 VAM® Specialists available worldwide 24/7 for Rig Site Assistance





### Pegasus 3 Fed Com 509H

#### Revised Permit Information 12/10/2021:

Well Name: Pegasus 3 Fed Com 509H

Location: SHL: 414' FSL & 1589' FWL, Section 3, T-24-S, R-32-E, Lea Co., N.M.

BHL: 100' FNL & 1210' FWL, Section 34, T-23-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' - 1,250'	13.375"	54.5#	J-55	STC	1.125	1.25	1.6
9.875"	0' - 4,000'	8.75"	38.5#	P-110EC	Sprint SF	1.125	1.25	1.6
9.875"	4,000' - 9,200'	8.75"	38.5#	P-110EC	Sprint SF	1.125	1.25	1.6
7.875"	0' - 20,831'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.6

Variance is requested to waive the centralizer requirements for the 8-3/4" casing in the 9-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 9-7/8" 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 7-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 7-7/8" hole interval to maximize cement bond and zonal isolation.

#### Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft <sup>3</sup> /sk	Slurry Description
1,250' 13.375"	380	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 @ 1,050')
9,200' 8.75"	690	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	220	14.8	1.32	Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 7,360')
20,831'	120	11.0	3.21	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 8,700')
	1940	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,201')



### Pegasus 3 Fed Com 509H

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 – 1,250'	Fresh - Gel	8.6-8.8	28-34	N/c
1,250' – 9,200'	Brine	8.6-8.8	28-34	N/c
9,200' – 20,831'	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.



## Pegasus 3 Fed Com 509H

414' FSL  
1589' FWL  
Section 3  
T-24-S, R-32-E

Revised Wellbore

KB: 3677'  
GL: 3652'

API: 30-025-47250

Bit Size: 16"  
13-3/8", 54.5#, J-55, STC, 0' - 1,250'

Bit Size: 9-7/8"  
8-3/4" 38.5#, P-110EC, Sprint SF, 0' - 4,000'  
8-3/4" 38.5#, P-110EC, Sprint SF, 4,000' - 9,200'

TOC: 8,700'

5-1/2", 17#, HCP-110, LTC @ 0' - 20,831'

KOP: 10,201'

Lateral: 20,831' MD, 10,665' TVD  
Upper Most Perf:  
100' FSL & 1210' FWL Sec. 3  
Lower Most Perf:  
100' FNL & 1210' FWL Sec. 34  
BH Location: 100' FNL & 1210' FWL  
Sec. 34  
T-23-S R-32-E

Bit Size: 7-7/8"

**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 66792

## CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 66792
	Action Type: [C-103] NOI Change of Plans (C-103A)

## CONDITIONS

Created By	Condition	Condition Date
pkautz	None	12/14/2021