<i>Received by OCD: 9/8/20</i>	022 8:29:37 AM			Page 1 of			
Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR		Ex	FORM APPROVED OMB No. 1004-0137 pires: October 31, 2021			
	BUREAU OF LAND MANAGEMENT		5. Lease Serial No.	MULTIPLE			
	IDRY NOTICES AND REPORTS ON V	-	6. If Indian, Allottee or Tribe Name				
	e this form for proposals to drill or to I well. Use Form 3160-3 (APD) for su		MULTIPLE				
	BMIT IN TRIPLICATE - Other instructions on pag	ge 2	 7. If Unit of CA/Agreement, Name and/o MULTIPLE 				
1. Type of Well	Gas Well Other		8. Well Name and No	^{).} MULTIPLE			
	ESOURCES INCORPORATED		9. API Well No. MUI	TIPLE			
	SKY LOBBY 2, HOUSTON, TX 77(3b. Phone No.	(include area code)	10. Field and Pool or				
A Logation of Wall (Footage	(713) 651-70 Sec., T.,R.,M., or Survey Description)	000	MULTIPLE 11. Country or Parish	State			
MULTIPLE	sec., 1., K., MI., OF SURVEY Description)		MULTIPLE	, 5000			
	12. CHECK THE APPROPRIATE BOX(ES) TO IN	DICATE NATURE OF NOT	ΓICE, REPORT OR OT	HER DATA			
TYPE OF SUBMISSIO	DN	TYPE OF A	CTION				
✓ Notice of Intent		raulic Fracturing Red	duction (Start/Resume)	Well Integrity			
Subsequent Report			complete nporarily Abandon	v Other			
Final Abandonment No	otice Convert to Injection Plug	Back Wa	ter Disposal				
completion of the involve completed. Final Abandor is ready for final inspection EOG respectfully requ the following changes Update casing and ce	uests an amendment to our approved APD for th : ement program to current design.	npletion or recompletion in ts, including reclamation, ha	a new interval, a Form	3160-4 must be filed once testing has been			
	sing design: 13.5"x9.875"x7.875"x6.75" hole; 10						
14. I hereby certify that the for STAR HARRELL / Ph: (43	regoing is true and correct. Name (<i>Printed/Typed</i>) 2) 848-9161	Regulatory Specia	list				
Signature		Date	08/17/2	2022			
	THE SPACE FOR FED	ERAL OR STATE O	FICE USE				
Approved by							
KEITH P IMMATTY / Ph:	(575) 988-4722 / Approved	Title		09/07/2022 Date			
certify that the applicant holds	are attached. Approval of this notice does not warran legal or equitable title to those rights in the subject le ant to conduct operations thereon.		D				

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.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Batch Well Data

YUKON 20 FED COM 507H, US Well Number: 3002550352, Case Number: NMNM17241, Lease Number: NMNM17241, Operator:EOG RESOURCES INCORPORATED

YUKON 20 FED COM 508H, US Well Number: 3002550351, Case Number: NMNM17241, Lease Number: NMNM17241, Operator:EOG RESOURCES INCORPORATED

YUKON 20 FED COM 510H, US Well Number: 3002550347, Case Number: NMNM17241, Lease Number: NMNM17241, Operator:EOG RESOURCES INCORPORATED

YUKON 20 FED COM 509H, US Well Number: 3002550348, Case Number: NMNM17241, Lease Number: NMNM17241, Operator:EOG RESOURCES INCORPORATED

Seog resources

Yukon 20 Fed Com 507H, 508H, 509H, 510H Revised Permit Information 07/28/2022:

Primary Casing Program:

Hole	Interval MD		Interval TVD		Csg			
Size	From (ft)	To (ft)	From (ft)	To (ft)	OD	Weight	Grade	Conn
16"	0	1,320	0	1,320	13-3/8"	54.5#	J-55	STC
12-1/4"	0	4,173	0	4,000	9-5/8"	40#	J-55	LTC
12-1/4"	4,173	5,393	4,000	5,220	9-5/8"	40#	HCK-55	LTC
7-7/8"	0	21,160	0	10,768	5-1/2"	17#	HCP-110	LTC

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 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.

No. Wt. Yld **Slurry Description** Sacks Ft3/sk Depth ppg Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl2 + 0.25 lb/sk Cello-1,320' 400 13.5 1.73 13-3/8'' Flake (TOC @ Surface) Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium 100 14.8 1.34 Metasilicate (TOC @ 1,120') 5,220' 760 12.7 2.22 Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface) 9-5/8'' Tail: Class C + 10% NaCL + 3% MagOx (TOC @ 4,180') 330 14.8 1.32 Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond 21,160' 1120 11.0 3.21 (TOC @ 4,720') 5-1/2'' Tail: Class H + 5% NEX-020 + 0.2% NAC-102 + 0.15% NAS-725 + 2770 13.2 1.52 0.5% NFL-549 + 0.2% NFP-703 + 1% NBE-737 + 0.3% NRT-241 (TOC @ 10480')

Cementing Program:

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

Yukon 20 Fed Com 507H, 508H, 509H, 510H

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 (TVD)	Туре	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' - 21,160'	Oil Base	8.8-9.5	58-68	N/c - 6

Wellhead & Offline Cementing:

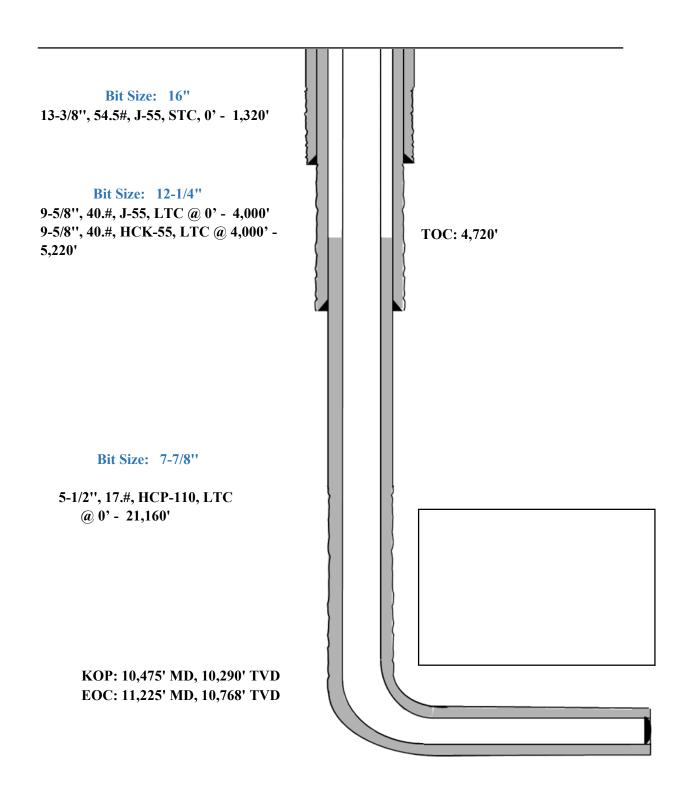
EOG Resources Inc. (EOG) respectfully requests a variance from the minimum standards for well control equipment testing of Onshore Order No. 2 (item III.A.2.a.i) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with Batch Drilling & Offline cement operations 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 option to offline cement and/or remediate (if needed) any surface or intermediate sections, according to attached offline cementing support documentation.
- After the well section is secured, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad.
- TA cap will also be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.
- See attached "EOG BLM Variance 3a -Offline Cement Intermediate Operational Procedure"

. eog resources

Yukon 20 Fed Com 507H, 508H, 509H, 510H

Revised Wellbore





Yukon 20 Fed Com 507H, 508H, 509H, 510H

Revised Permit Information 07/25/2022:

Well Name: Yukon 20 Fed Com 510H

Location: SHL: & , Section 20, T-24-S, R-34-E, Lea Co., N.M.

BHL: & , Section 29, T-24-S, R-34-E, Lea Co., N.M.

Backup Casing Program:

Hole	Interval MD		Interval TVD		Csg			
Size	From (ft) To (ft)		From (ft) To (ft)		OD	Weight	Grade	Conn
13-1/2"	0	1,320	0	1,320	10-3/4"	40.5#	J-55	STC
9-7/8"	0	5,393	0	5220	8-3/4"	38.5#	P110-EC	Vam Sprint-SF
7-7/8"	0	10,648	0	10,475	5-1/2"	17#	HCP-110	LTC
6-3/4"	0	21,160	0	10,768	5-1/2"	17#	HCP-110	LTC

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 6-3/4" & 7-7/8" hole sizes. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" & 7-7/8" hole intervals to maximize cement bond and zonal isolation.

	No.	Wt.	Yld	Slurry Description		
Depth	Sacks	ppg	Ft3/sk	Sidiny Description		
1,320'	380	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl2 + 0.25 lb/sk Cello-		
10-3/4''				Flake (TOC @ Surface)		
	90	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'	290	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @		
8-3/4''				Surface)		
	190	14.8	1.32	Tail: Class C + 10% NaCL + 3% MagOx (TOC @ 4,180')		
		_	_			
21,160'	670	11.0	3.21	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond		
5-1/2''	0.0			(TOC @ 4,720')		
	2770	13.2	1.52	Tail: Class H + 5% NEX-020 + 0.2% NAC-102 + 0.15% NAS-725 +		
				0.5% NFL-549 + 0.2% NFP-703 + 1% NBE-737 + 0.3% NRT-241 (TOC		
				@ 10480')		

Cementing Program:

eog resources

Yukon 20 Fed	Yukon 20 Fed Com 510H					
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					

Expansive Agent

Yukon 20 Fed Com 510H

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:

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Wellhead & Offline Cementing:

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Microbond

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- Break testing BOP and BOPE coupled with batch drilling operations and option to offline cement and/or remediate (if needed) any surface or intermediate sections, according to attached offline cementing support documentation.
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- See attached "EOG BLM Variance 3a -Offline Cement Intermediate Operational Procedure"

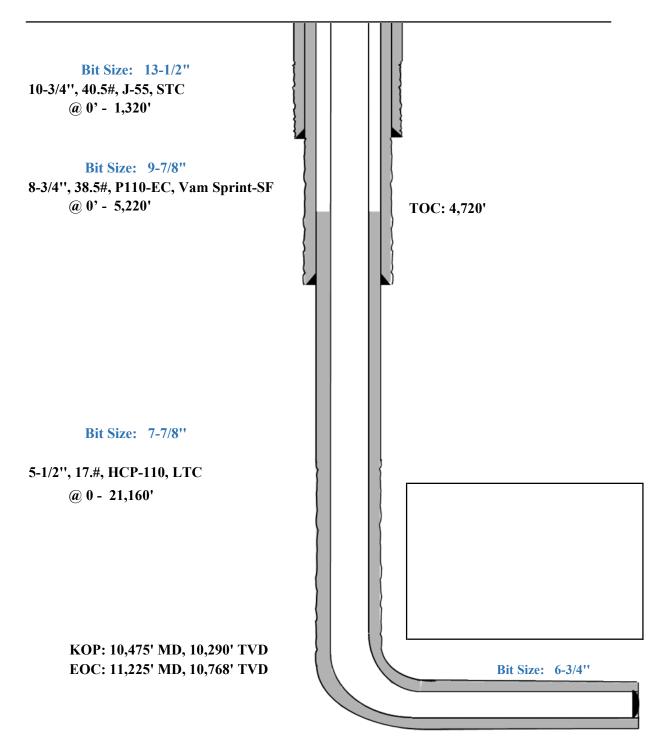
Yukon 20 Fed Com 507H, 508H, 509H, 510H

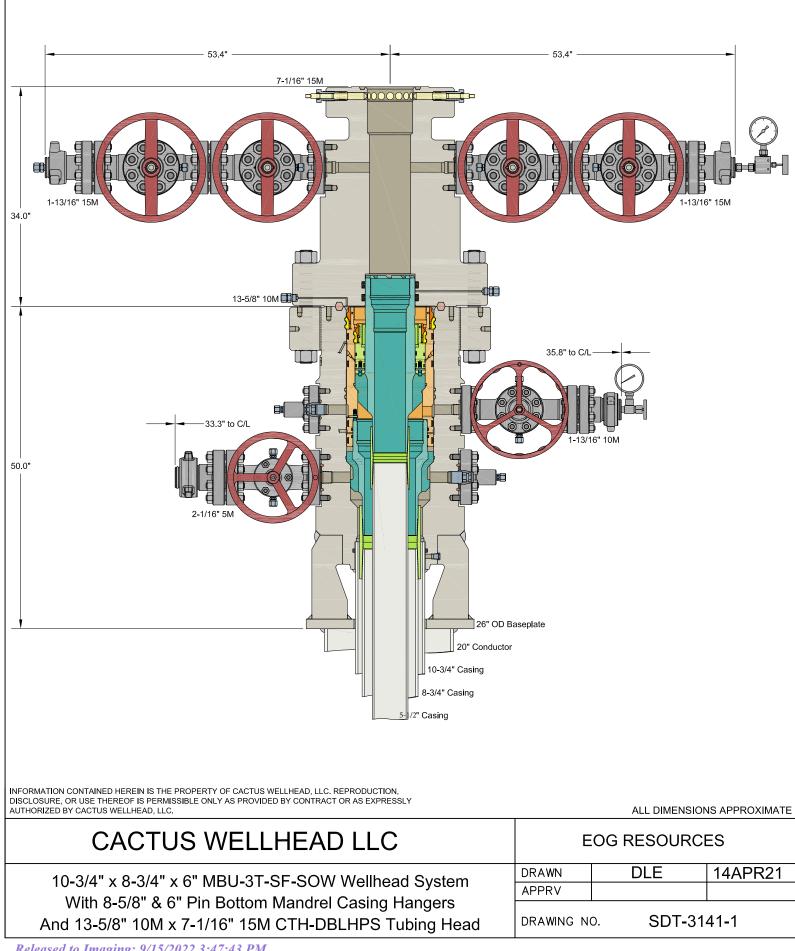
Revised Wellbore

KB: 3562' GL: 3537'

Section 20 T-24-S, R-34-E

API: 30-025-****





Pipe Body and API Connections Performance Data

10.750 40.50/0.350 J55

Maximum Make-Up Torque

New Search »

« Back to Previous List

USC 🔵 Metric

ft-lbs

5,250

6/8/2015 10:14:05 AM					
Mechanical Properties	Pipe	втс	LTC	STC	
Minimum Yield Strength	55,000	-	-		psi
Maximum Yield Strength	80,000	-	-		psi
Minimum Tensile Strength	75,000	-	-	-	psi
Dimensions	Pipe	BTC	LTC	STC	
Outside Diameter	10.750	11.750	-	11.750	in.
Wall Thickness	0.350	-	-	-	in.
Inside Diameter	10.050	10.050	-	10.050	in.
Standard Drift	9.894	9.894	-	9.894	in.
Alternate Drift	-	-	-	-	in.
Nominal Linear Weight, T&C	40.50		-	-	lbs/ft
Plain End Weight	38.91	-	-	-	lbs/ft
Performance	Pipe	BTC	LTC	STC	
Minimum Collapse Pressure	1,580	1,580	-	1,580	psi
Minimum Internal Yield Pressure	3,130	3,130	-	3,130	psi
Minimum Pipe Body Yield Strength	629.00	-	-	-	1000 lbs
Joint Strength	-	700	-	420	1000 lbs
Reference Length	-	11,522	-	6,915	ft
Make-Up Data	Pipe	BTC	LTC	STC	
Make-Up Loss	-	4.81	-	3.50	in.
Minimum Make-Up Torque	-	-	-	3,150	ft-lbs
Released to Imaging: 9/15/2022 3:47:43 PM				5 250	• ft lbe



Issued on: 09 Dec. 2020 by Wesley Ott	



Connection Data Sheet

OD	Weight (lb/ft)	Wall Th.	Grade	Spec. Drift:	Connection
8 3/4 in.	Nominal: 38.50 Plain End: 36.98	0.415 in.	P110EC	7.875 in.	VAM [®] SPRINT-SF

PIPE PROPERTIES							
Nominal OD	8.750	in.					
Nominal ID	7.920	in.					
Nominal Cross Section Area	10.867	sqin					
Grade Type	Hig	h Yield					
Min. Yield Strength	125	ks					
Max. Yield Strength	140	ks					
Min. Ultimate Tensile Strength	135	ks					

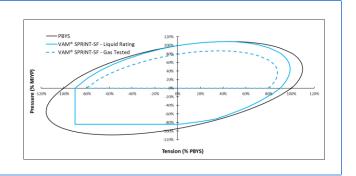
CONNECTION PROPERTIES	5	
Connection Type	Integral S	Semi-Flush
Connection OD (nom):	9.009	in.
Connection ID (nom):	7.945	in.
Make-Up Loss	4.905	in.
Critical Cross Section	9.970	sqin.
Tension Efficiency	89.0	% of pipe
Compression Efficiency	80.0	% of pipe
Internal Pressure Efficiency	87	% of pipe
External Pressure Efficiency	100	% of pipe

CONNECTION PERFORMAN	CES	
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

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

* 87.5% RBW

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[®]

canada@vamfieldservice.com usa@vamfieldservice.com mexico@vamfieldservice.com brazil@vamfieldservice.com uk@vamfieldservice.com dubai@vamfieldservice.com nigeria@vamfieldservice.com angola@vamfieldservice.com china@vamfieldservice.com baku@vamfieldservice.com singapore@vamfieldservice.com australia@vamfieldservice.com

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



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

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	141478
	Action Type:
	[C-103] NOI Change of Plans (C-103A)
	·

CONDITIONS

Created By		Condition Date
pkautz	None	9/15/2022

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Action 141478