

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*File Serial No.
NMNM19858

6. If Indian, Allottee or Tribe Name

7. Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EOG RESOURCES INCORPORATED

Contact: STAN WAGNER

E-Mail: stan_wagner@eogresources.com

8. Well Name and No.

HAWK 26 FED 703H

9. API Well No.

30-025-42396-00-X1

3a. Address

MIDLAND, TX 79702

3b. Phone No. (include area code)

Ph: 432-686-3689

10. Field and Pool or Exploratory Area

WC025G09S243336I-UP WOLFCAMP

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 26 T24S R33E SESW 0500FSL 1615FWL
32.182593 N Lat, 103.545965 W Lon

11. County or Parish, State

LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

EOG Resources requests an amendment to our approved APD for this well to reflect changes in casing and BHL.

Change casing as attached.

Change BHL to 230' FSL & 1550' FWL 35-24S-33E

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #396319 verified by the BLM Well Information System
For EOG RESOURCES INCORPORATED, sent to the Hobbs
Committed to AFMSS for processing by MUSTAFA HAQUE on 12/01/2017 (18MH0026SE)

Name (Printed/Typed) STAN WAGNER

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/29/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By MUSTAFA HAQUE

Title PETROLEUM ENGINEER

Date 12/01/2017

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED *****Kaz*

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 Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

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

¹ API Number 30-025-42396	² Pool Code 98092	³ Pool Name WC-025 G-09 S243336I; Upper Wolfcamp
⁴ Property Code 314177	⁵ Property Name HAWK 26 FED	⁶ Well Number #703H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3518'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	26	24-S	33-E	-	500'	SOUTH	1615'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	35	24-S	33-E	-	230'	SOUTH	1550'	WEST	LEA

¹² Dedicated Acres 160.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Stan Wagner</i> 11/29/17 Signature Date Stan Wagner Printed Name E-mail Address
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief. 11/17/2017 Date of Survey <i>Michael Brown</i> Signature and Seal of Professional Surveyor 18329 Certificate Number
	SURFACE LOCATION NEW MEXICO EAST NAD 1983 X=784782 Y=431098 LAT. N 32.1827181 LONG. W 103.5464445
	UPPER MOST PERF. NEW MEXICO EAST NAD 1983 X=784720 Y=430548 LAT. N 32.1812065 LONG. W 103.5466590
LOWER MOST PERF. NEW MEXICO EAST NAD 1983 X=784761 Y=425647 LAT. N 32.1677367 LONG. W 103.5466398	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1983 X=784762 Y=425547 LAT. N 32.1674618 LONG. W 103.5466401

Revised Permit Information 11/29/17:

Well Name: Hawk 26 Fed No. 703H

Location:

SL: 500' FSL & 1615' FWL, Section 26, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FSL & 1550' FWL, Section 35, T-24-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 - 1,300'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4,000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4,000' - 5,000'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0 - 11,500'	7.625"	29.7#	HCP-110	FlushMax III	1.125	1.25	1.60
6.75"	0'-17,849'	5.5"	20#	HCP-110	VAM SFC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Water Gal/sk	Slurry Description
1,300'	600	13.5	1.74	9.13	Lead: Class 'C' + 4.00% Bentonite + 2.00% CaCl ₂ (TOC @ Surface)
	300	14.8	1.35	6.34	Tail: Class 'C' + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate + 2.0% KCl (1.06 lb/sk)
5,000'	1780	12.7	2.20	11.64	Lead: Class C + 0.15% C-20 + 11.63 pps Salt + 0.1% C-51 + 0.75% C-41P (TOC @ Surface)
	200	16.0	1.12	4.75	Tail: Class C + 0.13% C-20
11,500'	340	11.5	2.72	15.70	Lead: Class C + 0.40% D013 + 0.20% D046 + 0.10% D065 + 0.20% D167 (TOC @ 4,500')
	210	16.0	1.12	4.74	Tail: Class H + 94.0 pps D909 + 0.25% D065 + 0.30% D167 + 0.02% D208 + 0.15% D800
17,849'	950	14.1	1.26	5.80	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 11,000')

Mud Program:

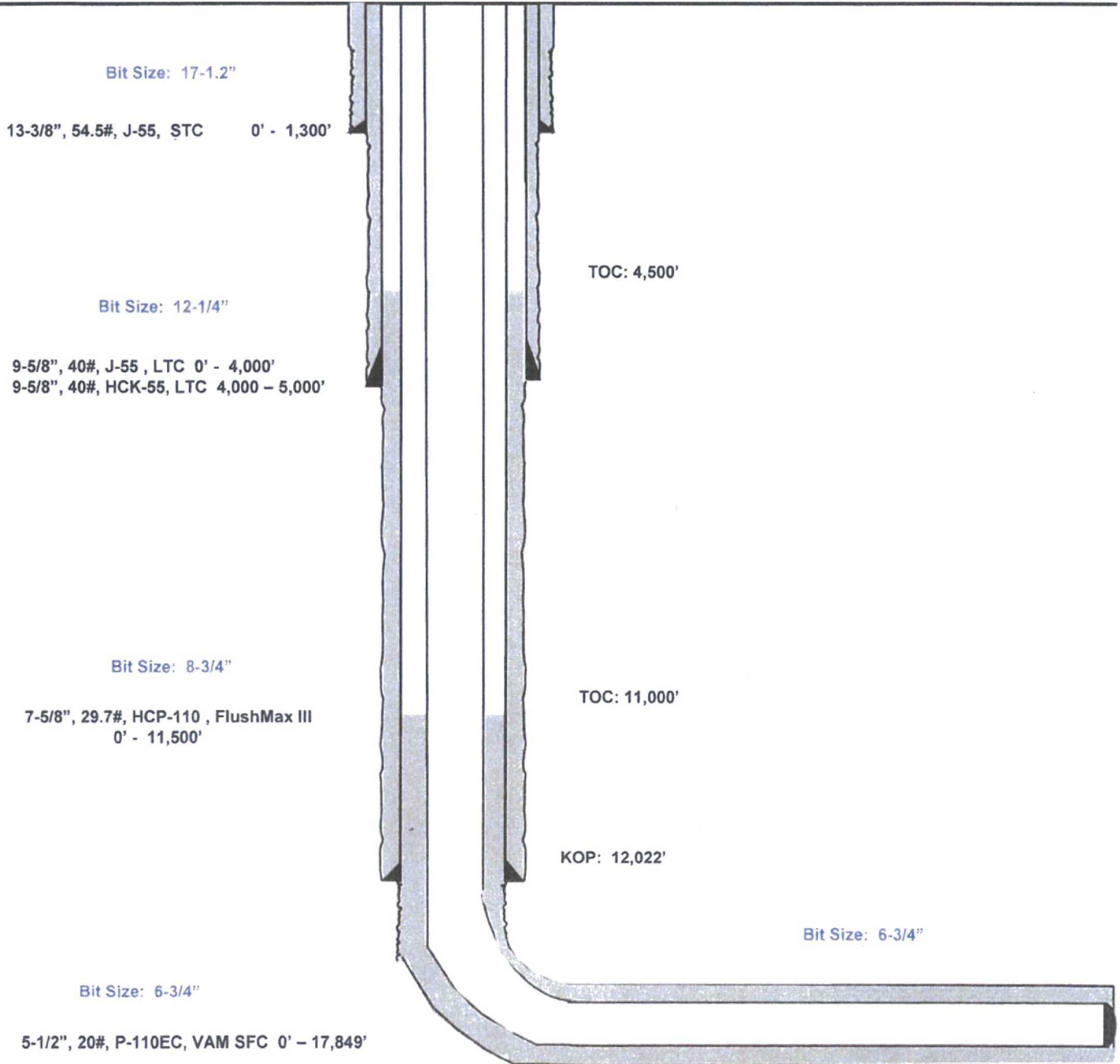
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,300'	Fresh - Gel	8.6-8.8	28-34	N/c
1,300' - 5,000'	Brine	10.0-10.2	28-34	N/c
5,000' - 11,500'	Oil Base	8.7-9.4	58-68	N/c - 6
11,500' - 17,849' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

Hawk 26 Fed #703H

500' FSL
1615' FWL
Section 26
T-24-S, R-33-E

Lea County, New Mexico
Proposed Wellbore
Revised 11/29/17
API: 30-025-42396

KB: 3,543'
GL: 3,518'



Lateral: 17,849' MD, 12,500' TVD
Upper Most Perf:
50' FNL & 1550' FWL Sec. 35
Lower Most Perf:
330' FSL & 1550' FWL Sec. 35
BH Location: 230' FSL & 1550' FWL
Section 35
T-24-S, R-33-E



Lea County, NM (NAD 83 NME)

Hawk 26 Fed #703H

Plan #0.2

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #703H

KB= 25' @ 3543.0usft 3518.0
Northing 431098.00 Easting 784782.00 32° 10' 57.786 N 103° 32' 47.200 W

SECTION DETAILS

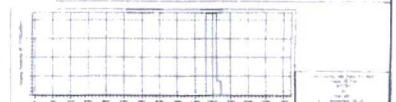
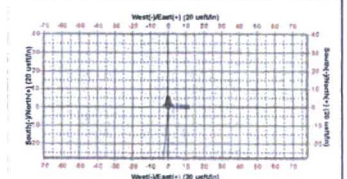
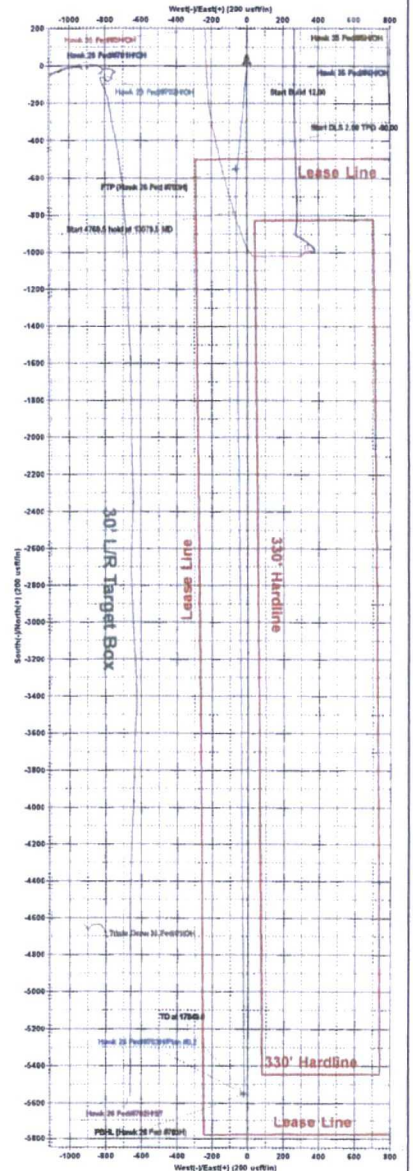
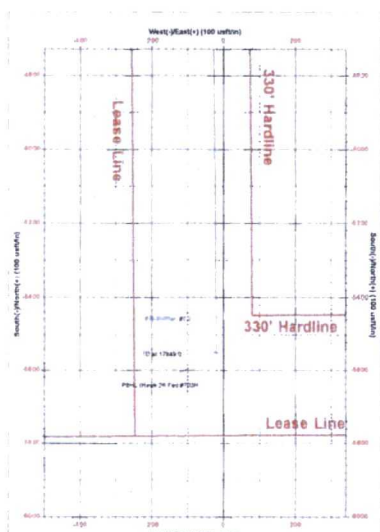
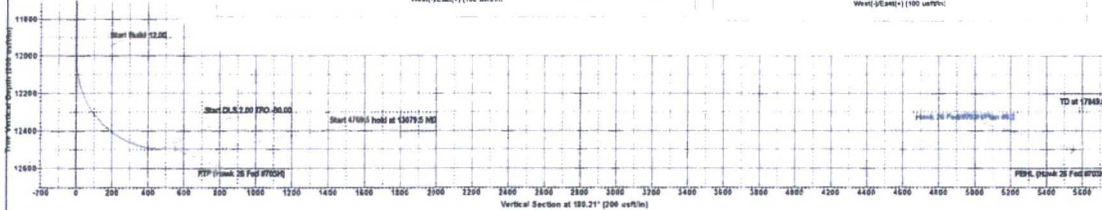
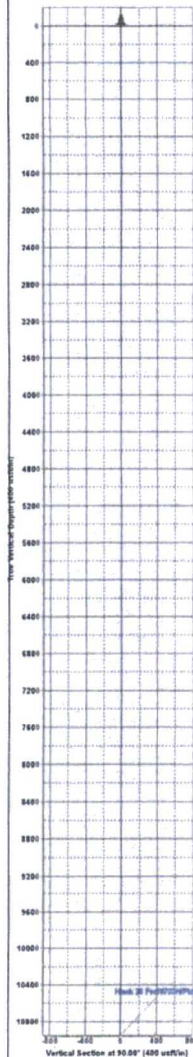
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSeal	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	12022.5	0.00	0.00	12022.5	0.0	0.0	0.00	0.00	0.0		
3	12772.5	90.00	185.65	12600.0	-475.1	-47.0	12.00	185.65	475.3		
4	13579.5	90.00	179.51	12500.0	-781.7	-40.8	2.00	-80.00	781.9		
5	17849.0	90.00	179.51	12500.0	-5551.0	-20.0	0.00	0.00	5551.0	PBHL (Hawk 26 Fed #703H)	

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL (Hawk 26 Fed #703H)	12500.0	-5551.0	-20.0	425547.00	784782.00
FTP (Hawk 26 Fed #703H)	12500.0	-550.0	-62.0	430548.00	784720.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Hawk 26 Fed

#703H

OH

Plan: Plan #0.2

Standard Planning Report

29 November, 2017



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Hawk 26 Fed
Well: #703H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #703H
TVD Reference: KB= 25' @ 3543.0usft
MD Reference: KB= 25' @ 3543.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Hawk 26 Fed			
Site Position:		Northing:	431,092.00 usft	Latitude: 32° 10' 57.794 N
From: Map		Easting:	783,852.00 usft	Longitude: 103° 32' 58.022 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.42 °

Well	#703H			
Well Position	+N/-S	6.0 usft	Northing:	431,098.00 usft
	+E/-W	930.0 usft	Easting:	784,782.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level: 3,518.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2015	11/29/2017	(°)	(°)	(nT)
			6.89	60.02	47,869.08792979

Design	Plan #0.2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	180.21

Plan Survey Tool Program	Date	11/29/2017		
Depth From	Depth To	Survey (Wellbore)	Tool Name	Remarks
(usft)	(usft)			
1	0.0	17,848.5 Plan #0.2 (OH)	MWD	
			MWD - Standard	

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
12,022.5	0.00	0.00	12,022.5	0.0	0.0	0.00	0.00	0.00	0.00	
12,772.5	90.00	185.65	12,500.0	-475.1	-47.0	12.00	12.00	0.00	185.65	
13,079.5	90.00	179.51	12,500.0	-781.7	-60.8	2.00	0.00	-2.00	-90.00	
17,849.0	90.00	179.51	12,500.0	-5,551.0	-20.0	0.00	0.00	0.00	0.00	PBHL (Hawk 26 Fed #



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Hawk 26 Fed
Well: #703H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #703H
TVD Reference: KB= 25' @ 3543.0usft
MD Reference: KB= 25' @ 3543.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Hawk 26 Fed
 Well: #703H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #703H
 TVD Reference: KB= 25' @ 3543.0usft
 MD Reference: KB= 25' @ 3543.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,700.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Hawk 26 Fed
 Well: #703H
 Wellbore: OH
 Design: Plan #0.2

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10,800.0	0.00	0.00	10,800.0	0.0	0.0	0.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,900.0	0.0	0.0	0.0	0.00	0.00	0.00
11,000.0	0.00	0.00	11,000.0	0.0	0.0	0.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,100.0	0.0	0.0	0.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,200.0	0.0	0.0	0.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,300.0	0.0	0.0	0.0	0.00	0.00	0.00
11,400.0	0.00	0.00	11,400.0	0.0	0.0	0.0	0.00	0.00	0.00
11,500.0	0.00	0.00	11,500.0	0.0	0.0	0.0	0.00	0.00	0.00
11,600.0	0.00	0.00	11,600.0	0.0	0.0	0.0	0.00	0.00	0.00
11,700.0	0.00	0.00	11,700.0	0.0	0.0	0.0	0.00	0.00	0.00
11,800.0	0.00	0.00	11,800.0	0.0	0.0	0.0	0.00	0.00	0.00
11,900.0	0.00	0.00	11,900.0	0.0	0.0	0.0	0.00	0.00	0.00
12,000.0	0.00	0.00	12,000.0	0.0	0.0	0.0	0.00	0.00	0.00
12,022.5	0.00	0.00	12,022.5	0.0	0.0	0.0	0.00	0.00	0.00
12,025.0	0.30	185.65	12,025.0	0.0	0.0	0.0	12.00	12.00	0.00
12,050.0	3.30	185.65	12,050.0	-0.8	-0.1	0.8	12.00	12.00	0.00
12,075.0	6.30	185.65	12,074.9	-2.9	-0.3	2.9	12.00	12.00	0.00
12,100.0	9.30	185.65	12,099.7	-6.2	-0.6	6.2	12.00	12.00	0.00
12,125.0	12.30	185.65	12,124.2	-10.9	-1.1	10.9	12.00	12.00	0.00
12,150.0	15.30	185.65	12,148.5	-16.8	-1.7	16.8	12.00	12.00	0.00
12,175.0	18.30	185.65	12,172.4	-24.0	-2.4	24.0	12.00	12.00	0.00
12,200.0	21.30	185.65	12,195.9	-32.5	-3.2	32.5	12.00	12.00	0.00
12,225.0	24.30	185.65	12,219.0	-42.1	-4.2	42.1	12.00	12.00	0.00
12,250.0	27.30	185.65	12,241.5	-52.9	-5.2	52.9	12.00	12.00	0.00
12,275.0	30.30	185.65	12,263.4	-64.9	-6.4	64.9	12.00	12.00	0.00
12,300.0	33.30	185.65	12,284.6	-78.0	-7.7	78.0	12.00	12.00	0.00
12,325.0	36.30	185.65	12,305.2	-92.2	-9.1	92.2	12.00	12.00	0.00
12,350.0	39.30	185.65	12,324.9	-107.5	-10.6	107.5	12.00	12.00	0.00
12,375.0	42.30	185.65	12,343.8	-123.7	-12.2	123.8	12.00	12.00	0.00
12,400.0	45.30	185.65	12,361.9	-140.9	-13.9	141.0	12.00	12.00	0.00
12,425.0	48.30	185.65	12,379.0	-159.1	-15.7	159.1	12.00	12.00	0.00
12,450.0	51.30	185.65	12,395.1	-178.1	-17.6	178.1	12.00	12.00	0.00
12,475.0	54.30	185.65	12,410.2	-197.9	-19.6	197.9	12.00	12.00	0.00
12,500.0	57.30	185.65	12,424.3	-218.5	-21.6	218.5	12.00	12.00	0.00
12,525.0	60.30	185.65	12,437.2	-239.7	-23.7	239.8	12.00	12.00	0.00
12,550.0	63.30	185.65	12,449.1	-261.7	-25.9	261.7	12.00	12.00	0.00
12,575.0	66.30	185.65	12,459.7	-284.2	-28.1	284.3	12.00	12.00	0.00
12,600.0	69.30	185.65	12,469.1	-307.2	-30.4	307.3	12.00	12.00	0.00
12,625.0	72.30	185.65	12,477.4	-330.7	-32.7	330.8	12.00	12.00	0.00
12,650.0	75.30	185.65	12,484.3	-354.6	-35.1	354.7	12.00	12.00	0.00
12,675.0	78.30	185.65	12,490.0	-378.8	-37.5	378.9	12.00	12.00	0.00
12,700.0	81.30	185.65	12,494.5	-403.3	-39.9	403.4	12.00	12.00	0.00
12,725.0	84.30	185.65	12,497.6	-428.0	-42.3	428.1	12.00	12.00	0.00
12,750.0	87.30	185.65	12,499.4	-452.8	-44.8	452.9	12.00	12.00	0.00
12,772.5	90.00	185.65	12,500.0	-475.1	-47.0	475.3	12.00	12.00	0.00
12,800.0	90.00	185.10	12,500.0	-502.5	-49.6	502.7	2.00	0.00	-2.00
12,900.0	90.00	183.10	12,500.0	-602.3	-56.7	602.5	2.00	0.00	-2.00
13,000.0	90.00	181.10	12,500.0	-702.2	-60.4	702.4	2.00	0.00	-2.00
13,079.5	90.00	179.51	12,500.0	-781.7	-60.8	781.9	2.00	0.00	-2.00
13,100.0	90.00	179.51	12,500.0	-802.2	-60.6	802.4	0.00	0.00	0.00
13,200.0	90.00	179.51	12,500.0	-902.2	-59.8	902.4	0.00	0.00	0.00
13,300.0	90.00	179.51	12,500.0	-1,002.2	-58.9	1,002.4	0.00	0.00	0.00
13,400.0	90.00	179.51	12,500.0	-1,102.2	-58.1	1,102.4	0.00	0.00	0.00
13,500.0	90.00	179.51	12,500.0	-1,202.2	-57.2	1,202.4	0.00	0.00	0.00



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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,600.0	90.00	179.51	12,500.0	-1,302.2	-56.4	1,302.4	0.00	0.00	0.00
13,700.0	90.00	179.51	12,500.0	-1,402.2	-55.5	1,402.4	0.00	0.00	0.00
13,800.0	90.00	179.51	12,500.0	-1,502.2	-54.7	1,502.3	0.00	0.00	0.00
13,900.0	90.00	179.51	12,500.0	-1,602.2	-53.8	1,602.3	0.00	0.00	0.00
14,000.0	90.00	179.51	12,500.0	-1,702.2	-52.9	1,702.3	0.00	0.00	0.00
14,100.0	90.00	179.51	12,500.0	-1,802.1	-52.1	1,802.3	0.00	0.00	0.00
14,200.0	90.00	179.51	12,500.0	-1,902.1	-51.2	1,902.3	0.00	0.00	0.00
14,300.0	90.00	179.51	12,500.0	-2,002.1	-50.4	2,002.3	0.00	0.00	0.00
14,400.0	90.00	179.51	12,500.0	-2,102.1	-49.5	2,102.3	0.00	0.00	0.00
14,500.0	90.00	179.51	12,500.0	-2,202.1	-48.7	2,202.3	0.00	0.00	0.00
14,600.0	90.00	179.51	12,500.0	-2,302.1	-47.8	2,302.3	0.00	0.00	0.00
14,700.0	90.00	179.51	12,500.0	-2,402.1	-47.0	2,402.3	0.00	0.00	0.00
14,800.0	90.00	179.51	12,500.0	-2,502.1	-46.1	2,502.3	0.00	0.00	0.00
14,900.0	90.00	179.51	12,500.0	-2,602.1	-45.2	2,602.3	0.00	0.00	0.00
15,000.0	90.00	179.51	12,500.0	-2,702.1	-44.4	2,702.3	0.00	0.00	0.00
15,100.0	90.00	179.51	12,500.0	-2,802.1	-43.5	2,802.3	0.00	0.00	0.00
15,200.0	90.00	179.51	12,500.0	-2,902.1	-42.7	2,902.2	0.00	0.00	0.00
15,300.0	90.00	179.51	12,500.0	-3,002.1	-41.8	3,002.2	0.00	0.00	0.00
15,400.0	90.00	179.51	12,500.0	-3,102.1	-41.0	3,102.2	0.00	0.00	0.00
15,500.0	90.00	179.51	12,500.0	-3,202.1	-40.1	3,202.2	0.00	0.00	0.00
15,600.0	90.00	179.51	12,500.0	-3,302.1	-39.2	3,302.2	0.00	0.00	0.00
15,700.0	90.00	179.51	12,500.0	-3,402.1	-38.4	3,402.2	0.00	0.00	0.00
15,800.0	90.00	179.51	12,500.0	-3,502.1	-37.5	3,502.2	0.00	0.00	0.00
15,900.0	90.00	179.51	12,500.0	-3,602.1	-36.7	3,602.2	0.00	0.00	0.00
16,000.0	90.00	179.51	12,500.0	-3,702.1	-35.8	3,702.2	0.00	0.00	0.00
16,100.0	90.00	179.51	12,500.0	-3,802.1	-35.0	3,802.2	0.00	0.00	0.00
16,200.0	90.00	179.51	12,500.0	-3,902.1	-34.1	3,902.2	0.00	0.00	0.00
16,300.0	90.00	179.51	12,500.0	-4,002.1	-33.3	4,002.2	0.00	0.00	0.00
16,400.0	90.00	179.51	12,500.0	-4,102.1	-32.4	4,102.2	0.00	0.00	0.00
16,500.0	90.00	179.51	12,500.0	-4,202.1	-31.5	4,202.1	0.00	0.00	0.00
16,600.0	90.00	179.51	12,500.0	-4,302.1	-30.7	4,302.1	0.00	0.00	0.00
16,700.0	90.00	179.51	12,500.0	-4,402.1	-29.8	4,402.1	0.00	0.00	0.00
16,800.0	90.00	179.51	12,500.0	-4,502.1	-29.0	4,502.1	0.00	0.00	0.00
16,900.0	90.00	179.51	12,500.0	-4,602.0	-28.1	4,602.1	0.00	0.00	0.00
17,000.0	90.00	179.51	12,500.0	-4,702.0	-27.3	4,702.1	0.00	0.00	0.00
17,100.0	90.00	179.51	12,500.0	-4,802.0	-26.4	4,802.1	0.00	0.00	0.00
17,200.0	90.00	179.51	12,500.0	-4,902.0	-25.6	4,902.1	0.00	0.00	0.00
17,300.0	90.00	179.51	12,500.0	-5,002.0	-24.7	5,002.1	0.00	0.00	0.00
17,400.0	90.00	179.51	12,500.0	-5,102.0	-23.8	5,102.1	0.00	0.00	0.00
17,500.0	90.00	179.51	12,500.0	-5,202.0	-23.0	5,202.1	0.00	0.00	0.00
17,600.0	90.00	179.51	12,500.0	-5,302.0	-22.1	5,302.1	0.00	0.00	0.00
17,700.0	90.00	179.51	12,500.0	-5,402.0	-21.3	5,402.1	0.00	0.00	0.00
17,800.0	90.00	179.51	12,500.0	-5,502.0	-20.4	5,502.1	0.00	0.00	0.00
17,849.0	90.00	179.51	12,500.0	-5,551.0	-20.0	5,551.0	0.00	0.00	0.00



Planning Report

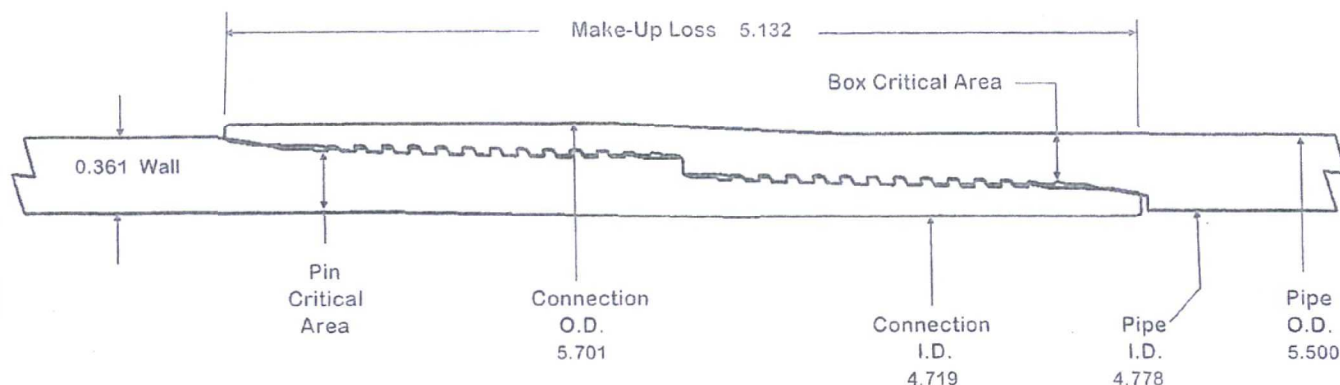
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Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
PBHL (Hawk 26 Fed #7C - plan hits target center - Point	0.00	0.01	12,500.0	-5,551.0	-20.0	425,547.00	784,762.00	32° 10' 2.859 N	103° 32' 47.905 W
FTP (Hawk 26 Fed #703 - plan misses target center by 8.6usft at 12848.2usft MD (12500.0 TVD, -550.6 N, -53.5 E) - Point	0.00	0.00	12,500.0	-550.0	-62.0	430,548.00	784,720.00	32° 10' 52.348 N	103° 32' 47.969 W

VAM® SFC



O.D. 5.500	WEIGHT 20.00	WALL 0.361	GRADE VST P110EC	DRIFT 4.653
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PIPE BODY PROPERTIES

Material Grade	VST P110EC
Min. Yield Strength	125 ksi
Min. Tensile Strength	135 ksi
Outside Diameter	5.500 in
Inside Diameter	4.778 in
Nominal Area	5.828 sq.in.
Yield Strength	729 kips
Ultimate Strength	787 kips
Min Internal Yield	14,360 psi
*High Collapse	12,090 psi

CONNECTION PROPERTIES

Connection OD	5.701 in
Connection ID	4.719 in
Make up Loss	5.132 in
Box Critical Area	4.083 sq.in.
%PB Section Area	70.1%
Pin Critical Area	4.123 sq.in.
%PB Section Area	70.7%
Yield Strength	510 kips
Parting Load	551 kips
Min Internal Yield	14,360 psi
*High Collapse	12,090 psi
Wk Compression	357 kips
Max Pure Bending	20 °/100 ft

Contact: tech.support@vam-usa.com
 Ref. Drawing: SI-PD 100414 Rev.B
 Date: 14-Jun-16
 Time: 2:31 PM

TORQUE DATA ft-lb

min	opt	max
8,700	9,700	10,700

USA

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Metal One

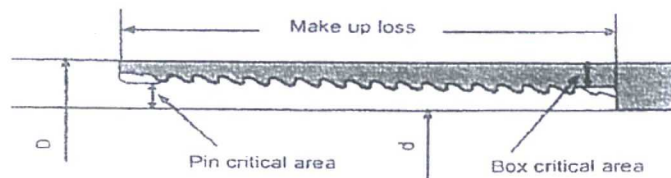
Metal One Corp

FLUSHMAX-III Connection Data Sheet

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Date 1-Oct-15

Rev. N-0



Pipe Body	Imperial		S.I.	
Grade	P110		P110	
Pipe OD (D)	7 5/8	in	193.68	mm
Weight	29.7	lb/ft	44.25	kg/m
Actual weight	29.0	lb/ft	43.26	kg/m
Wall thickness (t)	0.375	in	9.53	mm
Pipe ID (d)	6.875	in	174.63	mm
Pipe body cross section	8.537	in ²	5,508	mm ²
Drift Dia.	6.750	in	171.45	mm

Connection				
Box OD (W)	7.625	in	193.68	mm
PIN ID	6.875	in	174.63	mm
Pin critical area	4.420	in ²	2,852	mm ²
Box critical area	4.424	in ²	2,854	mm ²
Joint load efficiency	60	%	60	%
Make up loss	3.040	in	77.22	mm
Thread taper	1/16 (3/4 in per ft)			
Number of threads	5 thread per in.			

Connection Performance Properties

Tensile Yield load	563.4	kips	2,506	kN
M.I.Y.P.	7,574	psi	52.2	MPa
Collapse strength	5,350	psi	36.9	MPa

Note

M.I.Y.P. = Minimum Internal Yield Pressure of the connection

Torque Recommended

Min.	8,700	ft-lb	11,700	N-m
Optl.	9,700	ft-lb	13,100	N-m
Max.	10,700	ft-lb	14,500	N-m
Operational Max.	23,600	ft-lb	32,000	N-m

Note: Operational Max. torque can be applied for high torque application

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	EOG Resources, Inc.
LEASE NO.:	NMNM-19858
WELL NAME & NO.:	Hawk 26 Fed 703H
SURFACE HOLE FOOTAGE:	0500' FSL & 1615' FWL
BOTTOM HOLE FOOTAGE:	0230' FSL & 1550' FWL Sec. 35, T. 24 S., R 33 E.
LOCATION:	Section 26, T. 24 S., R 33 E., NMPM
COUNTY:	Lea County, New Mexico

All previous COAs still apply except the following:

A. CASING

All previous COAs still apply except the following:

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) for Water Basin:

After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Risks:

Possibility of water flows in the Salado and Castile.

Possibility of lost circulation in the Rustler, Red Beds, and Delaware.

1. The 13 3/8 inch surface casing shall be set at approximately 1300 feet (in a competent bed below the Magenta Dolomite, which is a Member of the Rustler, and if salt is encountered, set casing at least 25 feet above the salt) and cemented to the surface.

- a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
- b. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Formation below the 13 3/8 inch shoe to be tested according to Onshore Order

2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

2. The minimum required fill of cement behind the 9 5/8 inch first intermediate casing is:

☒ Cement to surface. If cement does not circulate see A.1.a, c-d above.

Formation below the 9 5/8 inch shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

3. The minimum required fill of cement behind the 7 5/8 inch second intermediate casing is:

☒ Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification

Formation below the 7 5/8 inch shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

4. The minimum required fill of cement behind the **5 1/2** inch production casing is:

☒ Cement should tie-back at least **200** feet into previous casing string. Operator shall provide method of verification. **Excess cement percentage calculates to 24% - additional cement might be required.**

4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

MHH 12012017