

Form 3160-5
(June 2015)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.5. Lease Serial No.
NMNM132943

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
HOLYFIELD 9 FED COM 311H9. API Well No.
30-025-47704-00-X110. Field and Pool or Exploratory Area
PITCHFORK RANCH11. County or Parish, State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Contact: EMILY FOLLIS

EOG RESOURCES INCORPORATED-Email: emily_follis@eogresources.com

3a. Address

PO BOX 2267
MIDLAND, TX 79702

3b. Phone No. (include area code)

Ph: 432-636-3600

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

Sec 9 T25S R34E SWSW 200FSL 629FWL
32.138306 N Lat, 103.481415 W Lon

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 PD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 respectfully requests an amendment to our approved APD for this well to reflect the following changes:

Change well number to 311H from 711

Change target formation to First Bone Spring Sand

Adjust casing and cement program to accommodate shallower target

see attachments

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

Electronic Submission #540656 verified by the BLM Well Information System

For EOG RESOURCES INCORPORATED, sent to the Hobbs

Committed to AFMSS for processing by PRISCILLA PEREZ on 12/14/2020 (21PP0854SE)

Name (Printed/Typed) BEN HOCHER

Title REGULATORY ASSOC.

Signature (Electronic Submission)

Date 12/14/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JEROMY PORTER

Title PETROLEUM ENGINEER

Date 12/31/2020

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 ** KZ**

Revisions to Operator-Submitted EC Data for Sundry Notice #540656

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH SR	APDCH NOI
Lease:	NMNM132943	NMNM132943
Agreement:		
Operator:	EOG RESOURCES INC PO BOX 2267 MIDLAND, TX 79702 Ph: 432-636-3600	EOG RESOURCES INCORPORATED PO BOX 2267 MIDLAND, TX 79702 Ph: 432.686.3689
Admin Contact:	EMILY FOLLIS SR REGULATORY ADMINISTRATOR E-Mail: emily_follis@eogresources.com Ph: 432-636-3600	EMILY FOLLIS SR REGULATORY ADMINISTRATOR E-Mail: emily_follis@eogresources.com Ph: 432-636-3600
Tech Contact:	BEN HOCHER REGULATORY ASSISTANT E-Mail: ben_hocher@eogresources.com Ph: 432-636-3600	BEN HOCHER REGULATORY ASSOC. E-Mail: Ben_Hocher@eogresources.com Cell: 432-556-7258 Ph: 432-636-3600
Location:		
State:	NM	NM
County:	LEA COUNTY	LEA
Field/Pool:	98116 WC025 G09 S253402N	PITCHFORK RANCH
Well/Facility:	HOLYFIELD 9 FED COM 311H Sec 9 T25S R34E 200FSL 629FWL	HOLYFIELD 9 FED COM 311H Sec 9 T25S R34E SWSW 200FSL 629FWL 32.138306 N Lat, 103.481415 W Lon

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 3002547704	² Pool Code 51020	³ Pool Name RED HILLS; LOWER BONE SPRING
⁴ Property Code 329345	⁵ Property Name HOLYFIELD 9 FED COM	
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number 311H
		⁹ Elevation 3343'

¹⁰Surface Location

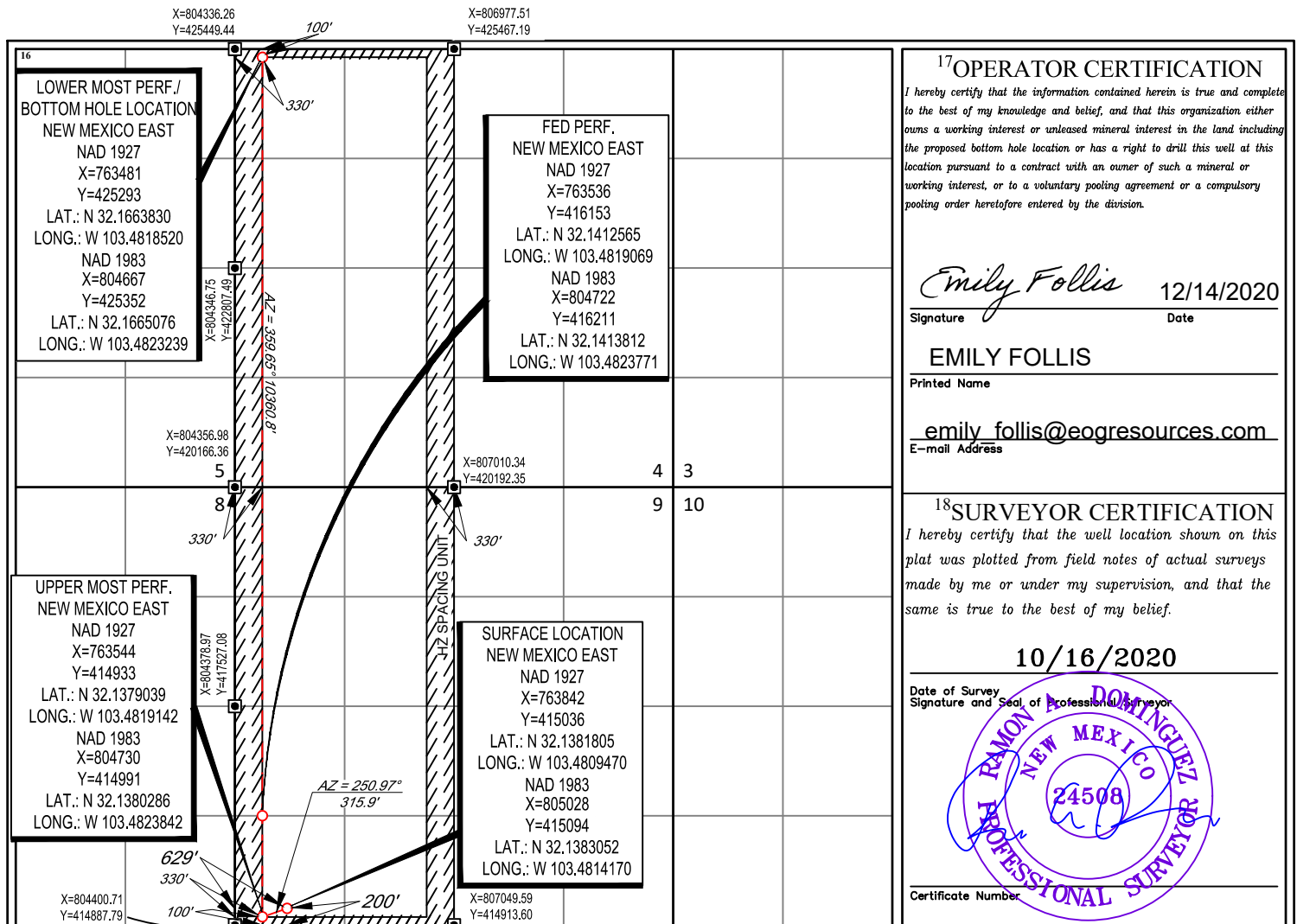
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	9	25-S	34-E	-	200'	SOUTH	629'	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

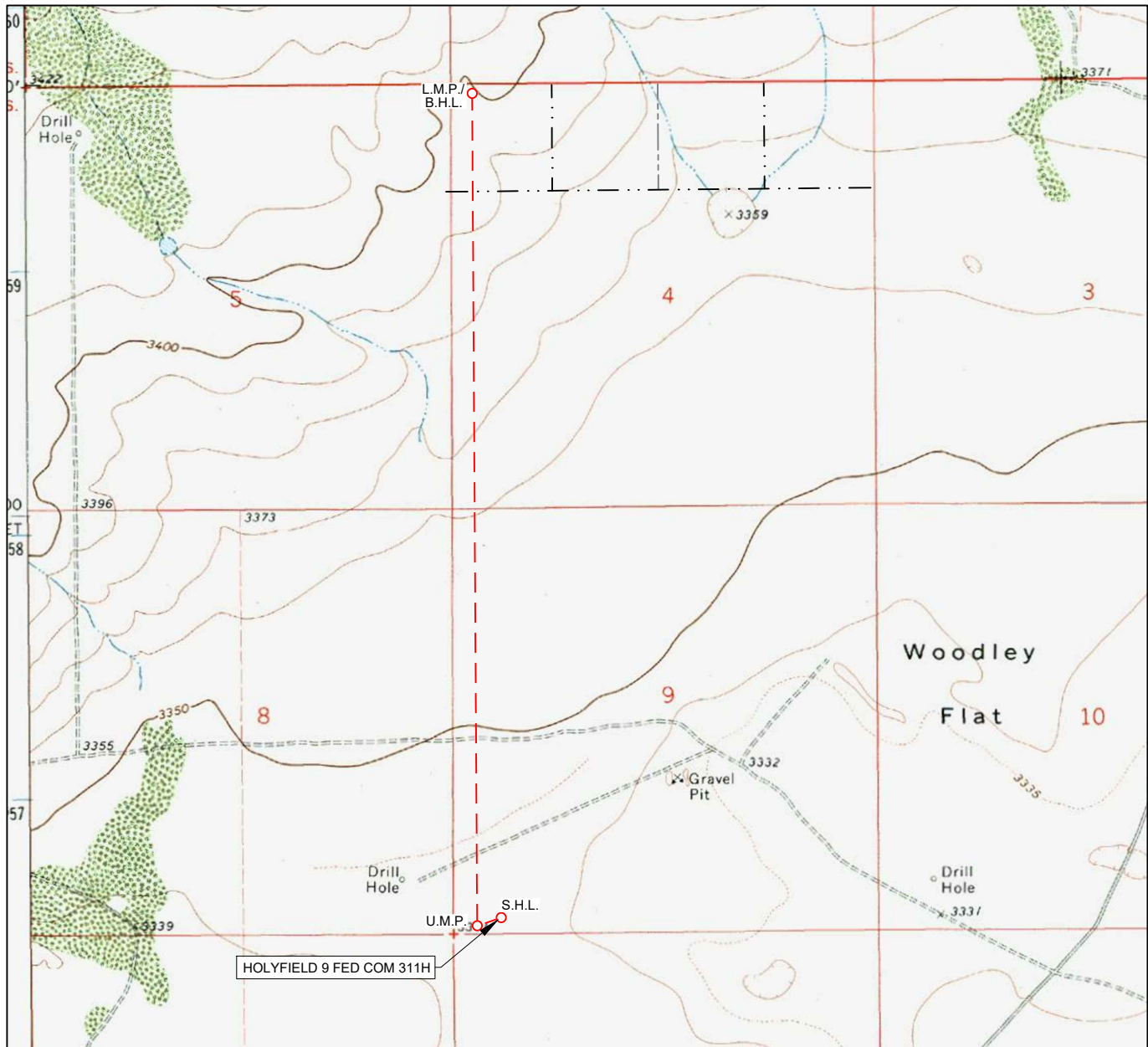
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	4	25-S	34-E	-	100'	NORTH	330'	WEST	LEA

¹² Dedicated Acres 639.96	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.



LOCATION & ELEVATION VERIFICATION MAP

LEASE NAME & WELL NO.: HOLYFIELD 9 FED COM 311H

SECTION 9 TWP 25-S RGE 34-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3343'
 DESCRIPTION 200' FSL & 629' FWL

LATITUDE N 32.1383052 LONGITUDE W 103.4814170

SCALE: 1" = 2000'
 0' 1000' 2000'

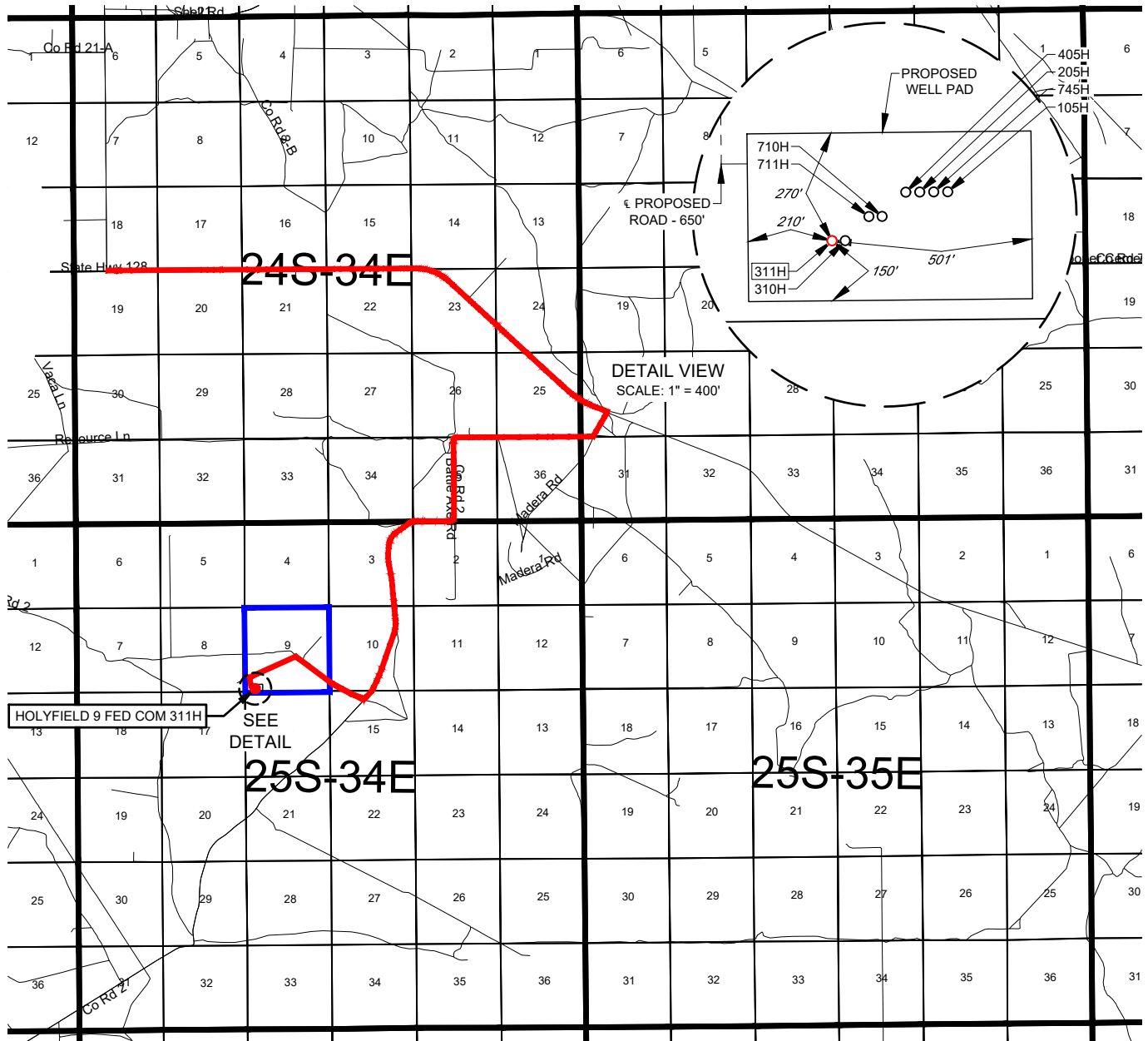
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
 TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
 WWW.TOPOGRAPHIC.COM

EXHIBIT 2
VICINITY MAP

LEASE NAME & WELL NO.: HOLYFIELD 9 FED COM 311H

SECTION 9 TWP 25-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 200' FSL & 629' FWL

DISTANCE & DIRECTION

FROM INT. OF DELAWARE BASIN RD. & NM-128 E. GO EAST ON NM-128 E ± 6.5 MILES, THENCE SOUTHWEST (RIGHT) ON BATTLE AXE RD. ± 5.8 MILES, THENCE NORTHWEST (RIGHT) ON A LEASE RD. ± 1.0 MILES, THENCE SOUTHWEST (LEFT) ON A LEASE RD. ± 0.6 MILES, THENCE SOUTHEAST (LEFT) ON A PROPOSED RD. ± 650 FEET TO A POINT ± 287 FEET NORTHWEST OF THE LOCATION.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.

SCALE: 1" = 10000'
0' 5000' 10000'

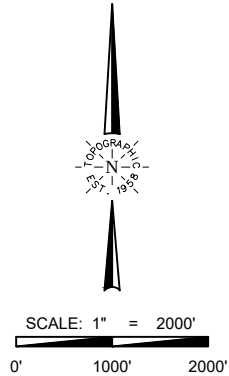
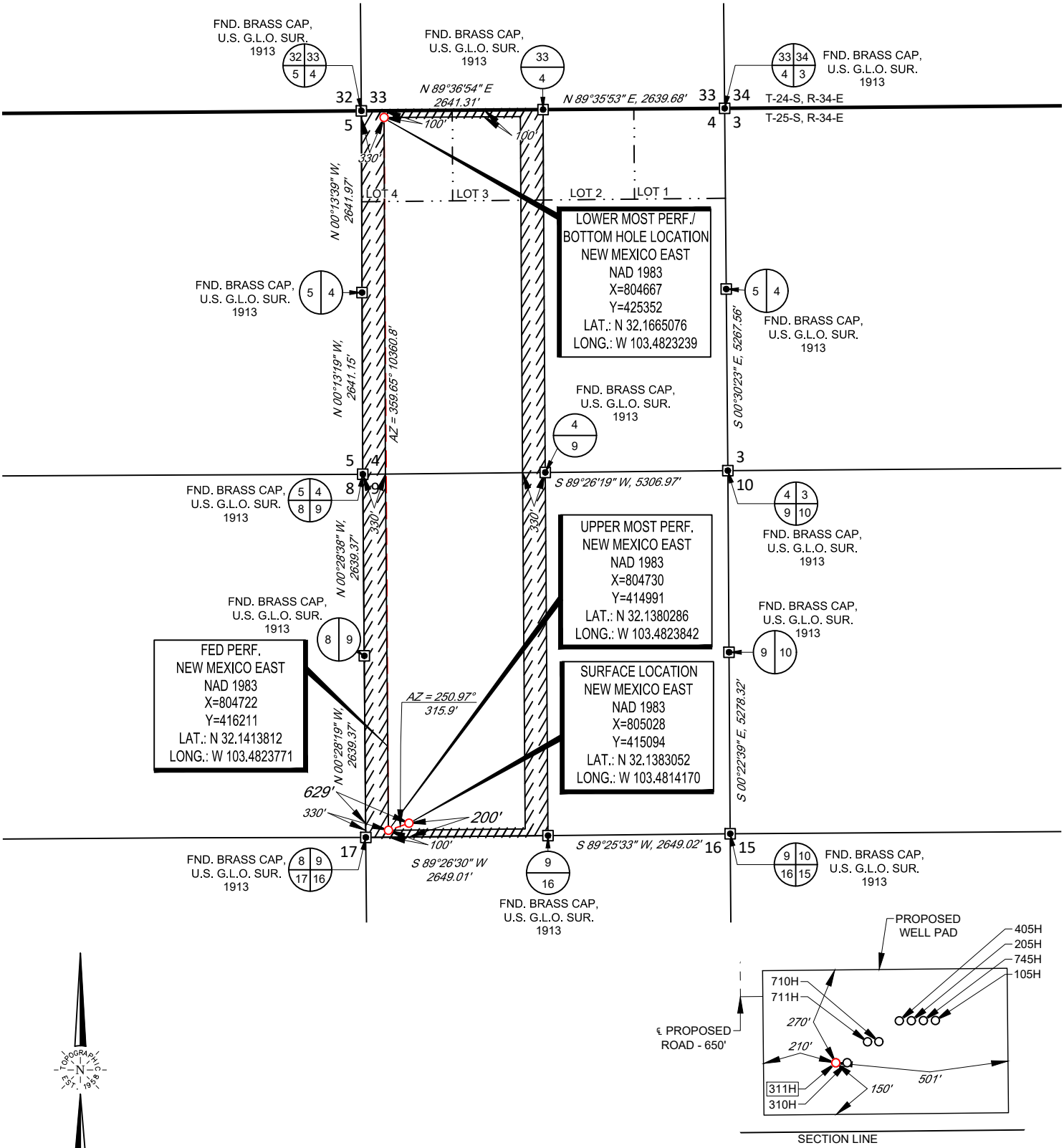
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WWW.TOPOGRAPHIC.COM



EXHIBIT 2A

SECTION 9, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



DETAIL VIEW
SCALE: 1" = 400'

LEASE NAME & WELL NO.: HOLYFIELD 9 FED COM 311H

SECTION 9 TWP 25-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 200' FSL & 629' FWL

DISTANCE & DIRECTION
FROM INT. OF DELAWARE BASIN RD., & NM-128 E. GO EAST ON NM-128 E ±6.5
MILES. THENCE SOUTHWEST (RIGHT) ON BATTLE AXE RD. ±5.8 MILES. THENCE
NORTHWEST (RIGHT) ON A LEASE RD. ±1.0 MILES, THENCE SOUTHWEST (LEFT)
ON A LEASE RD. ±0.6 MILES, THENCE SOUTHEAST (LEFT) ON A PROPOSED RD.
±650 FEET TO A POINT ±287 FEET NORTHWEST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID
BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY
FEET.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND
UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF
SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED
TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE.
THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



RAMON A. DOMINGUEZ, P.S. No. 24508
OCTOBER 29, 2020



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
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WWW.TOPOGRAPHIC.COM

EXHIBIT 2B

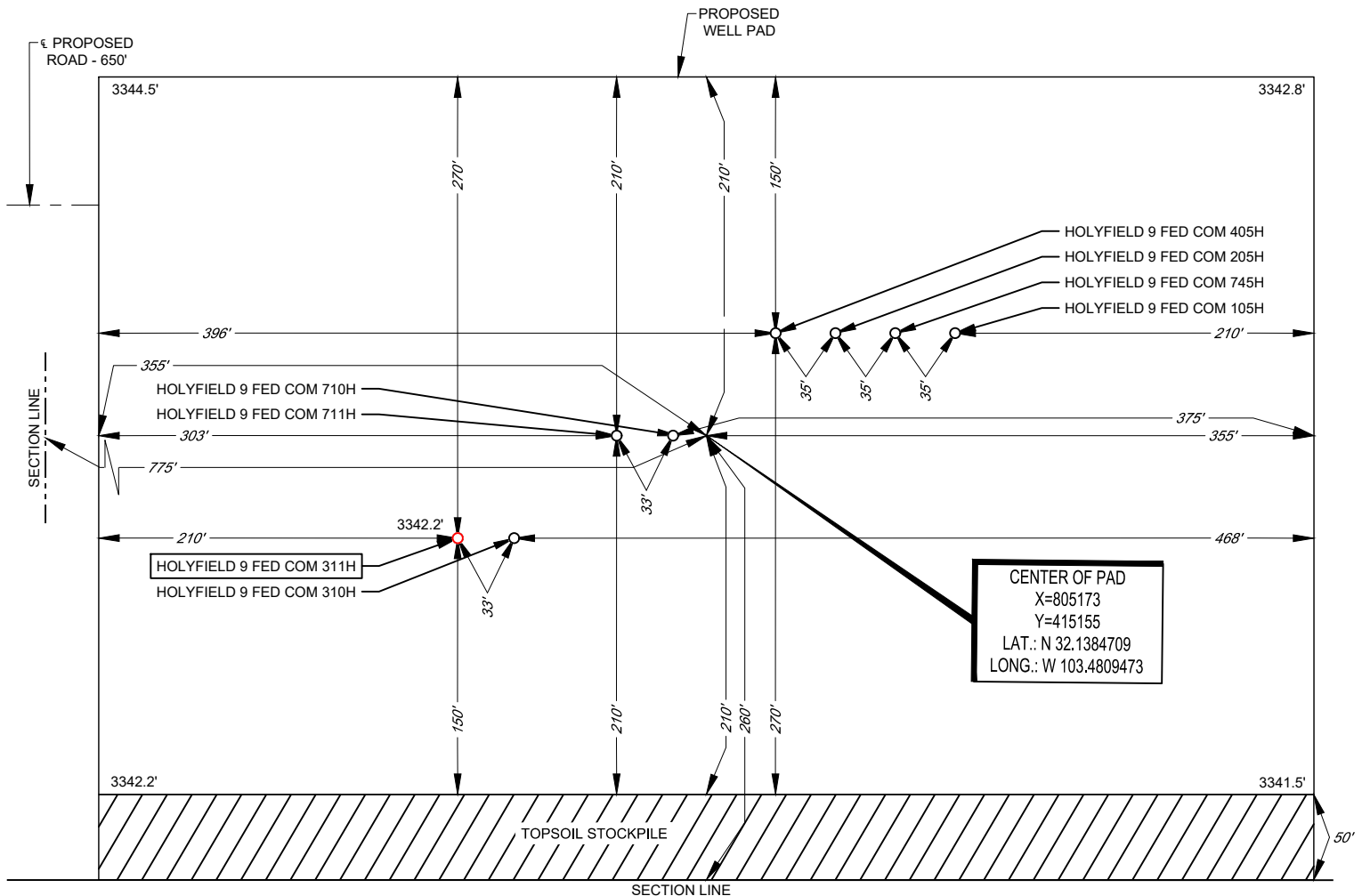


LEGEND

--- SECTION LINE
 --- PROPOSED ROAD

SECTION 9, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
 LEA COUNTY, NEW MEXICO

DETAIL VIEW
 SCALE: 1" = 100'



LEASE NAME & WELL NO.: HOLYFIELD 9 FED COM 311H
 311H LATITUDE N 32.1383052 311H LONGITUDE W 103.4814170

CENTER OF PAD IS 260' FSL & 775' FWL



Ramon A. Dominguez, P.S. No. 24508

October 26, 2020

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET, ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO. ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"



SCALE: 1" = 100'
 0' 50' 100'



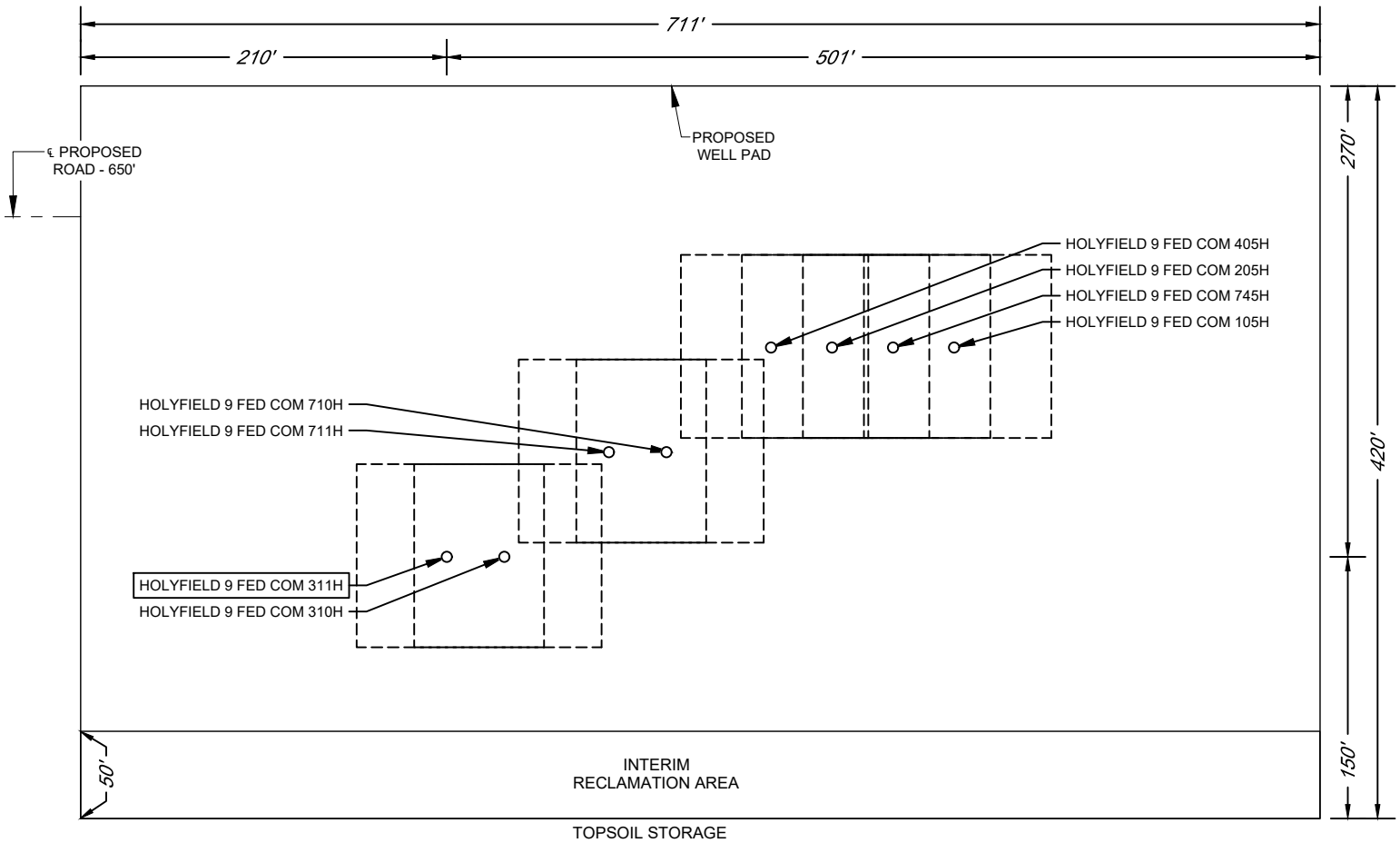
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
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 WWW.TOPOGRAPHIC.COM

EXHIBIT 2C

RECLAMATION AND FACILITY DIAGRAM - PRODUCTION FACILITIES DIAGRAM

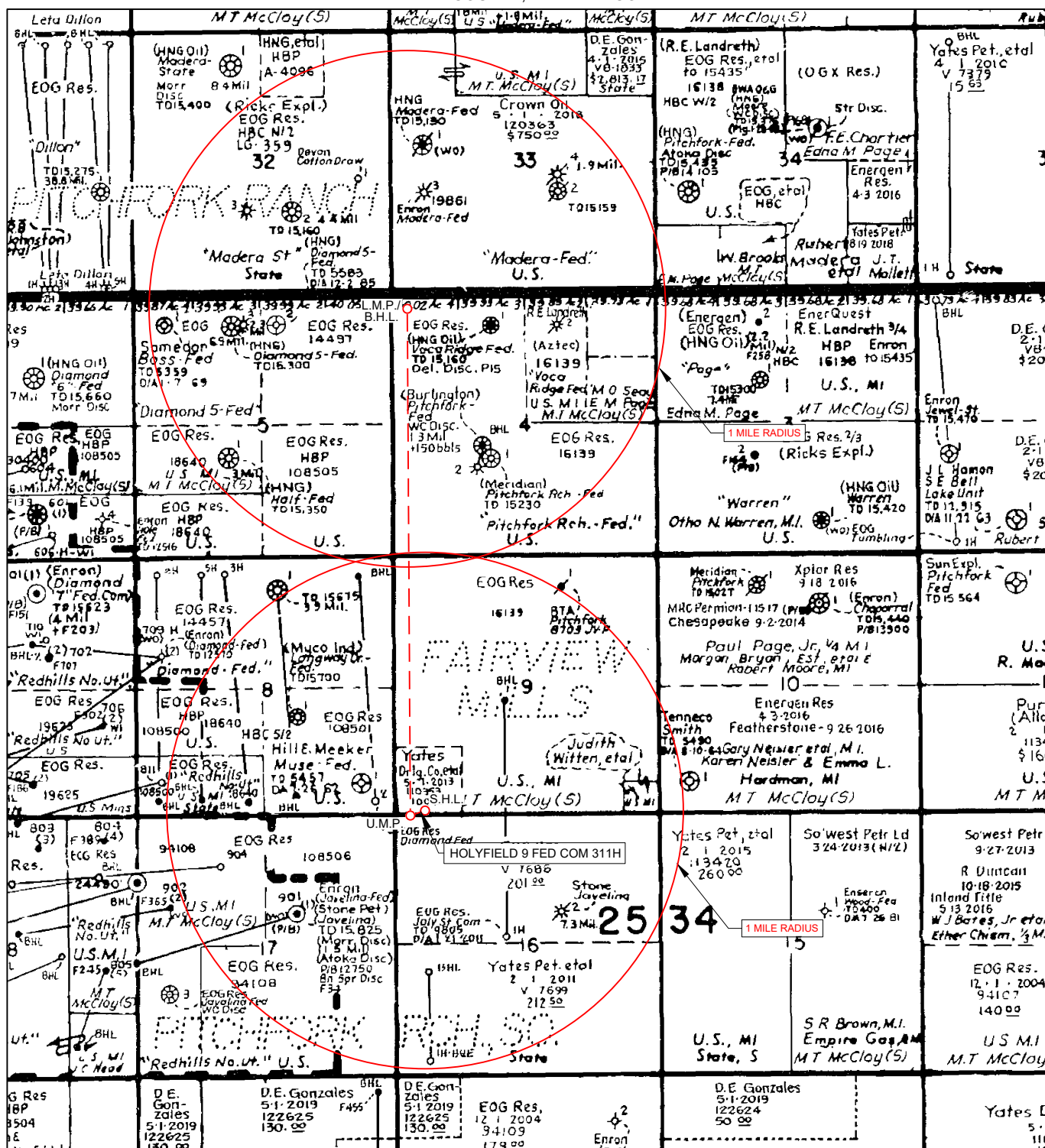
SECTION 9, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

DETAIL VIEW
SCALE: 1" = 100'



LEASE NAME & WELL NO.: HOLYFIELD 9 FED COM 311H
 311H LATITUDE N 32.1383052 311H LONGITUDE W 103.4814170

EXHIBIT 3

SECTION 9, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

LEASE NAME & WELL NO.: HOLYFIELD 9 FED COM 311H

SCALE: NTS

311H LATITUDE N 32.1383052

311H LONGITUDE W 103.4814170

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID
BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY
FEET.

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UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF
SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED
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WWW.TOPOGRAPHIC.COM



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Holyfield 9 Fed Com

#311H

OH

Plan: Plan #0.1 RT

Standard Planning Report

04 December, 2020



EOG Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well #311H
Company:	EOG Resources - Midland	TVD Reference:	kb = 25' @ 3367.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3367.0usft
Site:	Holyfield 9 Fed Com	North Reference:	Grid
Well:	#311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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	Holyfield 9 Fed Com					
Site Position:		Northing:	415,094.00 usft	Latitude:	32° 8' 17.896 N	
From:	Map	Easting:	805,061.00 usft	Longitude:	103° 28' 52.723 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.45

Well	#311H					
Well Position	+N/-S	0.0 usft	Northing:	415,094.00 usft	Latitude:	32° 8' 17.899 N
	+E/-W	-33.0 usft	Easting:	805,028.00 usft	Longitude:	103° 28' 53.107 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,343.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	12/4/2020	6.56	59.85	47,507.91810148

Design	Plan #0.1 RT			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	357.98

Plan Survey Tool Program	Date	12/4/2020		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,619.7	Plan #0.1 RT (OH)	EOG MWD+IFR1
				MWD + IFR1

EOG Resources

Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well #311H
Company:	EOG Resources - Midland	TVD Reference:	kb = 25' @ 3367.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3367.0usft
Site:	Holyfield 9 Fed Com	North Reference:	Grid
Well:	#311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,311.3	2.23	242.82	1,311.3	-1.0	-1.9	2.00	2.00	0.00	242.82	
9,824.7	2.23	242.82	9,818.2	-152.0	-296.1	0.00	0.00	0.00	0.00	
9,936.0	0.00	0.00	9,929.5	-153.0	-298.0	2.00	-2.00	0.00	180.00	KOP(Holyfield 9 Fed C
10,156.4	26.46	0.00	10,142.2	-103.0	-298.0	12.00	12.00	0.00	0.00	FTP(Holyfield 9 Fed C
10,685.9	90.00	359.58	10,406.9	324.4	-300.2	12.00	12.00	-0.08	-0.47	
11,478.5	90.00	359.58	10,407.0	1,117.0	-306.0	0.00	0.00	0.00	0.00	Fed Perf 1(Holyfield 9
11,482.4	90.00	359.66	10,407.0	1,120.8	-306.0	2.00	0.10	2.00	87.06	
20,619.7	90.00	359.66	10,407.0	10,258.0	-361.0	0.00	0.00	0.00	0.00	PBHL(Holyfield 9 Fed



EOG Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well #311H
Company:	EOG Resources - Midland	TVD Reference:	kb = 25' @ 3367.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3367.0usft
Site:	Holyfield 9 Fed Com	North Reference:	Grid
Well:	#311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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	2.00	242.82	1,300.0	-0.8	-1.6	-0.7	2.00	2.00	0.00
1,311.3	2.23	242.82	1,311.3	-1.0	-1.9	-0.9	2.00	2.00	0.00
1,400.0	2.23	242.82	1,399.9	-2.6	-5.0	-2.4	0.00	0.00	0.00
1,500.0	2.23	242.82	1,499.8	-4.3	-8.4	-4.0	0.00	0.00	0.00
1,600.0	2.23	242.82	1,599.8	-6.1	-11.9	-5.7	0.00	0.00	0.00
1,700.0	2.23	242.82	1,699.7	-7.9	-15.4	-7.3	0.00	0.00	0.00
1,800.0	2.23	242.82	1,799.6	-9.7	-18.8	-9.0	0.00	0.00	0.00
1,900.0	2.23	242.82	1,899.5	-11.4	-22.3	-10.6	0.00	0.00	0.00
2,000.0	2.23	242.82	1,999.5	-13.2	-25.7	-12.3	0.00	0.00	0.00
2,100.0	2.23	242.82	2,099.4	-15.0	-29.2	-13.9	0.00	0.00	0.00
2,200.0	2.23	242.82	2,199.3	-16.8	-32.6	-15.6	0.00	0.00	0.00
2,300.0	2.23	242.82	2,299.2	-18.5	-36.1	-17.2	0.00	0.00	0.00
2,400.0	2.23	242.82	2,399.2	-20.3	-39.5	-18.9	0.00	0.00	0.00
2,500.0	2.23	242.82	2,499.1	-22.1	-43.0	-20.5	0.00	0.00	0.00
2,600.0	2.23	242.82	2,599.0	-23.8	-46.5	-22.2	0.00	0.00	0.00
2,700.0	2.23	242.82	2,698.9	-25.6	-49.9	-23.9	0.00	0.00	0.00
2,800.0	2.23	242.82	2,798.8	-27.4	-53.4	-25.5	0.00	0.00	0.00
2,900.0	2.23	242.82	2,898.8	-29.2	-56.8	-27.2	0.00	0.00	0.00
3,000.0	2.23	242.82	2,998.7	-30.9	-60.3	-28.8	0.00	0.00	0.00
3,100.0	2.23	242.82	3,098.6	-32.7	-63.7	-30.5	0.00	0.00	0.00
3,200.0	2.23	242.82	3,198.5	-34.5	-67.2	-32.1	0.00	0.00	0.00
3,300.0	2.23	242.82	3,298.5	-36.3	-70.6	-33.8	0.00	0.00	0.00
3,400.0	2.23	242.82	3,398.4	-38.0	-74.1	-35.4	0.00	0.00	0.00
3,500.0	2.23	242.82	3,498.3	-39.8	-77.5	-37.1	0.00	0.00	0.00
3,600.0	2.23	242.82	3,598.2	-41.6	-81.0	-38.7	0.00	0.00	0.00
3,700.0	2.23	242.82	3,698.2	-43.4	-84.5	-40.4	0.00	0.00	0.00
3,800.0	2.23	242.82	3,798.1	-45.1	-87.9	-42.0	0.00	0.00	0.00
3,900.0	2.23	242.82	3,898.0	-46.9	-91.4	-43.7	0.00	0.00	0.00
4,000.0	2.23	242.82	3,997.9	-48.7	-94.8	-45.3	0.00	0.00	0.00
4,100.0	2.23	242.82	4,097.9	-50.5	-98.3	-47.0	0.00	0.00	0.00
4,200.0	2.23	242.82	4,197.8	-52.2	-101.7	-48.6	0.00	0.00	0.00
4,300.0	2.23	242.82	4,297.7	-54.0	-105.2	-50.3	0.00	0.00	0.00
4,400.0	2.23	242.82	4,397.6	-55.8	-108.6	-51.9	0.00	0.00	0.00
4,500.0	2.23	242.82	4,497.6	-57.6	-112.1	-53.6	0.00	0.00	0.00
4,600.0	2.23	242.82	4,597.5	-59.3	-115.6	-55.2	0.00	0.00	0.00
4,700.0	2.23	242.82	4,697.4	-61.1	-119.0	-56.9	0.00	0.00	0.00
4,800.0	2.23	242.82	4,797.3	-62.9	-122.5	-58.5	0.00	0.00	0.00
4,900.0	2.23	242.82	4,897.3	-64.7	-125.9	-60.2	0.00	0.00	0.00
5,000.0	2.23	242.82	4,997.2	-66.4	-129.4	-61.8	0.00	0.00	0.00
5,100.0	2.23	242.82	5,097.1	-68.2	-132.8	-63.5	0.00	0.00	0.00
5,200.0	2.23	242.82	5,197.0	-70.0	-136.3	-65.1	0.00	0.00	0.00

EOG Resources

Planning Report



Database:	EDM	Local Co-ordinate Reference:	Well #311H
Company:	EOG Resources - Midland	TVD Reference:	kb = 25' @ 3367.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3367.0usft
Site:	Holyfield 9 Fed Com	North Reference:	Grid
Well:	#311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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)
5,300.0	2.23	242.82	5,297.0	-71.7	-139.7	-66.8	0.00	0.00	0.00
5,400.0	2.23	242.82	5,396.9	-73.5	-143.2	-68.4	0.00	0.00	0.00
5,500.0	2.23	242.82	5,496.8	-75.3	-146.7	-70.1	0.00	0.00	0.00
5,600.0	2.23	242.82	5,596.7	-77.1	-150.1	-71.7	0.00	0.00	0.00
5,700.0	2.23	242.82	5,696.7	-78.8	-153.6	-73.4	0.00	0.00	0.00
5,800.0	2.23	242.82	5,796.6	-80.6	-157.0	-75.0	0.00	0.00	0.00
5,900.0	2.23	242.82	5,896.5	-82.4	-160.5	-76.7	0.00	0.00	0.00
6,000.0	2.23	242.82	5,996.4	-84.2	-163.9	-78.3	0.00	0.00	0.00
6,100.0	2.23	242.82	6,096.4	-85.9	-167.4	-80.0	0.00	0.00	0.00
6,200.0	2.23	242.82	6,196.3	-87.7	-170.8	-81.6	0.00	0.00	0.00
6,300.0	2.23	242.82	6,296.2	-89.5	-174.3	-83.3	0.00	0.00	0.00
6,400.0	2.23	242.82	6,396.1	-91.3	-177.7	-85.0	0.00	0.00	0.00
6,500.0	2.23	242.82	6,496.1	-93.0	-181.2	-86.6	0.00	0.00	0.00
6,600.0	2.23	242.82	6,596.0	-94.8	-184.7	-88.3	0.00	0.00	0.00
6,700.0	2.23	242.82	6,695.9	-96.6	-188.1	-89.9	0.00	0.00	0.00
6,800.0	2.23	242.82	6,795.8	-98.4	-191.6	-91.6	0.00	0.00	0.00
6,900.0	2.23	242.82	6,895.8	-100.1	-195.0	-93.2	0.00	0.00	0.00
7,000.0	2.23	242.82	6,995.7	-101.9	-198.5	-94.9	0.00	0.00	0.00
7,100.0	2.23	242.82	7,095.6	-103.7	-201.9	-96.5	0.00	0.00	0.00
7,200.0	2.23	242.82	7,195.5	-105.5	-205.4	-98.2	0.00	0.00	0.00
7,300.0	2.23	242.82	7,295.5	-107.2	-208.8	-99.8	0.00	0.00	0.00
7,400.0	2.23	242.82	7,395.4	-109.0	-212.3	-101.5	0.00	0.00	0.00
7,500.0	2.23	242.82	7,495.3	-110.8	-215.8	-103.1	0.00	0.00	0.00
7,600.0	2.23	242.82	7,595.2	-112.5	-219.2	-104.8	0.00	0.00	0.00
7,700.0	2.23	242.82	7,695.2	-114.3	-222.7	-106.4	0.00	0.00	0.00
7,800.0	2.23	242.82	7,795.1	-116.1	-226.1	-108.1	0.00	0.00	0.00
7,900.0	2.23	242.82	7,895.0	-117.9	-229.6	-109.7	0.00	0.00	0.00
8,000.0	2.23	242.82	7,994.9	-119.6	-233.0	-111.4	0.00	0.00	0.00
8,100.0	2.23	242.82	8,094.8	-121.4	-236.5	-113.0	0.00	0.00	0.00
8,200.0	2.23	242.82	8,194.8	-123.2	-239.9	-114.7	0.00	0.00	0.00
8,300.0	2.23	242.82	8,294.7	-125.0	-243.4	-116.3	0.00	0.00	0.00
8,400.0	2.23	242.82	8,394.6	-126.7	-246.9	-118.0	0.00	0.00	0.00
8,500.0	2.23	242.82	8,494.5	-128.5	-250.3	-119.6	0.00	0.00	0.00
8,600.0	2.23	242.82	8,594.5	-130.3	-253.8	-121.3	0.00	0.00	0.00
8,700.0	2.23	242.82	8,694.4	-132.1	-257.2	-122.9	0.00	0.00	0.00
8,800.0	2.23	242.82	8,794.3	-133.8	-260.7	-124.6	0.00	0.00	0.00
8,900.0	2.23	242.82	8,894.2	-135.6	-264.1	-126.2	0.00	0.00	0.00
9,000.0	2.23	242.82	8,994.2	-137.4	-267.6	-127.9	0.00	0.00	0.00
9,100.0	2.23	242.82	9,094.1	-139.2	-271.0	-129.5	0.00	0.00	0.00
9,200.0	2.23	242.82	9,194.0	-140.9	-274.5	-131.2	0.00	0.00	0.00
9,300.0	2.23	242.82	9,293.9	-142.7	-277.9	-132.8	0.00	0.00	0.00
9,400.0	2.23	242.82	9,393.9	-144.5	-281.4	-134.5	0.00	0.00	0.00
9,500.0	2.23	242.82	9,493.8	-146.3	-284.9	-136.1	0.00	0.00	0.00
9,600.0	2.23	242.82	9,593.7	-148.0	-288.3	-137.8	0.00	0.00	0.00
9,700.0	2.23	242.82	9,693.6	-149.8	-291.8	-139.4	0.00	0.00	0.00
9,800.0	2.23	242.82	9,793.6	-151.6	-295.2	-141.1	0.00	0.00	0.00
9,824.7	2.23	242.82	9,818.2	-152.0	-296.1	-141.5	0.00	0.00	0.00
9,900.0	0.72	242.82	9,893.5	-152.9	-297.8	-142.3	2.00	-2.00	0.00
9,936.0	0.00	0.00	9,929.5	-153.0	-298.0	-142.4	2.00	-2.00	0.00
9,950.0	1.68	0.00	9,943.5	-152.8	-298.0	-142.2	12.00	12.00	0.00
9,975.0	4.68	0.00	9,968.5	-151.4	-298.0	-140.8	12.00	12.00	0.00
10,000.0	7.68	0.00	9,993.3	-148.7	-298.0	-138.1	12.00	12.00	0.00
10,025.0	10.68	0.00	10,018.0	-144.7	-298.0	-134.2	12.00	12.00	0.00
10,050.0	13.68	0.00	10,042.4	-139.4	-298.0	-128.9	12.00	12.00	0.00



EOG Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well #311H
Company:	EOG Resources - Midland	TVD Reference:	kb = 25' @ 3367.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3367.0usft
Site:	Holyfield 9 Fed Com	North Reference:	Grid
Well:	#311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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)	
10,075.0	16.68	0.00	10,066.6	-132.9	-298.0	-122.3	12.00	12.00	0.00	
10,100.0	19.68	0.00	10,090.3	-125.1	-298.0	-114.5	12.00	12.00	0.00	
10,125.0	22.68	0.00	10,113.6	-116.1	-298.0	-105.5	12.00	12.00	0.00	
10,150.0	25.69	0.00	10,136.4	-105.8	-298.0	-95.3	12.00	12.00	0.00	
10,156.4	26.46	0.00	10,142.2	-103.0	-298.0	-92.5	12.00	12.00	0.00	
10,175.0	28.69	359.96	10,158.7	-94.4	-298.0	-83.9	12.00	12.00	-0.21	
10,200.0	31.69	359.92	10,180.3	-81.8	-298.0	-71.3	12.00	12.00	-0.17	
10,225.0	34.69	359.88	10,201.2	-68.2	-298.0	-57.6	12.00	12.00	-0.15	
10,250.0	37.69	359.85	10,221.4	-53.4	-298.1	-42.9	12.00	12.00	-0.13	
10,275.0	40.68	359.82	10,240.7	-37.6	-298.1	-27.1	12.00	12.00	-0.11	
10,300.0	43.68	359.80	10,259.3	-20.8	-298.2	-10.3	12.00	12.00	-0.10	
10,325.0	46.68	359.78	10,276.9	-3.1	-298.2	7.4	12.00	12.00	-0.09	
10,350.0	49.68	359.76	10,293.5	15.5	-298.3	26.0	12.00	12.00	-0.08	
10,375.0	52.68	359.74	10,309.2	35.0	-298.4	45.5	12.00	12.00	-0.07	
10,400.0	55.68	359.72	10,323.8	55.3	-298.5	65.8	12.00	12.00	-0.07	
10,425.0	58.68	359.71	10,337.4	76.3	-298.6	86.8	12.00	12.00	-0.06	
10,450.0	61.68	359.69	10,349.8	98.0	-298.7	108.4	12.00	12.00	-0.06	
10,475.0	64.68	359.68	10,361.1	120.3	-298.8	130.7	12.00	12.00	-0.06	
10,500.0	67.68	359.66	10,371.2	143.2	-299.0	153.6	12.00	12.00	-0.05	
10,525.0	70.68	359.65	10,380.1	166.5	-299.1	176.9	12.00	12.00	-0.05	
10,550.0	73.68	359.64	10,387.7	190.3	-299.3	200.7	12.00	12.00	-0.05	
10,575.0	76.68	359.63	10,394.1	214.5	-299.4	224.9	12.00	12.00	-0.05	
10,600.0	79.68	359.62	10,399.2	239.0	-299.6	249.3	12.00	12.00	-0.05	
10,625.0	82.68	359.61	10,403.1	263.7	-299.7	274.0	12.00	12.00	-0.04	
10,650.0	85.68	359.59	10,405.6	288.5	-299.9	298.9	12.00	12.00	-0.04	
10,675.0	88.68	359.58	10,406.8	313.5	-300.1	323.9	12.00	12.00	-0.04	
10,685.9	90.00	359.58	10,406.9	324.4	-300.2	334.8	12.00	12.00	-0.04	
10,700.0	90.00	359.58	10,406.9	338.5	-300.3	348.8	0.00	0.00	0.00	
10,800.0	90.00	359.58	10,407.0	438.5	-301.0	448.8	0.00	0.00	0.00	
10,900.0	90.00	359.58	10,407.0	538.5	-301.7	548.8	0.00	0.00	0.00	
11,000.0	90.00	359.58	10,407.0	638.5	-302.5	648.7	0.00	0.00	0.00	
11,100.0	90.00	359.58	10,407.0	738.5	-303.2	748.7	0.00	0.00	0.00	
11,200.0	90.00	359.58	10,407.0	838.5	-304.0	848.7	0.00	0.00	0.00	
11,300.0	90.00	359.58	10,407.0	938.5	-304.7	948.6	0.00	0.00	0.00	
11,400.0	90.00	359.58	10,407.0	1,038.5	-305.4	1,048.6	0.00	0.00	0.00	
11,478.5	90.00	359.58	10,407.0	1,117.0	-306.0	1,127.1	0.00	0.00	0.00	
11,482.4	90.00	359.66	10,407.0	1,120.8	-306.0	1,130.9	2.00	0.10	2.00	
11,500.0	90.00	359.66	10,407.0	1,138.5	-306.1	1,148.5	0.00	0.00	0.00	
11,600.0	90.00	359.66	10,407.0	1,238.5	-306.7	1,248.5	0.00	0.00	0.00	
11,700.0	90.00	359.66	10,407.0	1,338.5	-307.3	1,348.5	0.00	0.00	0.00	
11,800.0	90.00	359.66	10,407.0	1,438.5	-307.9	1,448.4	0.00	0.00	0.00	
11,900.0	90.00	359.66	10,407.0	1,538.5	-308.5	1,548.4	0.00	0.00	0.00	
12,000.0	90.00	359.66	10,407.0	1,638.5	-309.1	1,648.3	0.00	0.00	0.00	
12,100.0	90.00	359.66	10,407.0	1,738.5	-309.7	1,748.3	0.00	0.00	0.00	
12,200.0	90.00	359.66	10,407.0	1,838.5	-310.3	1,848.2	0.00	0.00	0.00	
12,300.0	90.00	359.66	10,407.0	1,938.5	-310.9	1,948.2	0.00	0.00	0.00	
12,400.0	90.00	359.66	10,407.0	2,038.5	-311.5	2,048.2	0.00	0.00	0.00	
12,500.0	90.00	359.66	10,407.0	2,138.5	-312.1	2,148.1	0.00	0.00	0.00	
12,600.0	90.00	359.66	10,407.0	2,238.5	-312.7	2,248.1	0.00	0.00	0.00	
12,700.0	90.00	359.66	10,407.0	2,338.5	-313.4	2,348.0	0.00	0.00	0.00	
12,800.0	90.00	359.66	10,407.0	2,438.5	-314.0	2,448.0	0.00	0.00	0.00	
12,900.0	90.00	359.66	10,407.0	2,538.4	-314.6	2,547.9	0.00	0.00	0.00	
13,000.0	90.00	359.66	10,407.0	2,638.4	-315.2	2,647.9	0.00	0.00	0.00	
13,100.0	90.00	359.66	10,407.0	2,738.4	-315.8	2,747.9	0.00	0.00	0.00	



EOG Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well #311H
Company:	EOG Resources - Midland	TVD Reference:	kb = 25' @ 3367.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3367.0usft
Site:	Holyfield 9 Fed Com	North Reference:	Grid
Well:	#311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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)	
13,200.0	90.00	359.66	10,407.0	2,838.4	-316.4	2,847.8	0.00	0.00	0.00	
13,300.0	90.00	359.66	10,407.0	2,938.4	-317.0	2,947.8	0.00	0.00	0.00	
13,400.0	90.00	359.66	10,407.0	3,038.4	-317.6	3,047.7	0.00	0.00	0.00	
13,500.0	90.00	359.66	10,407.0	3,138.4	-318.2	3,147.7	0.00	0.00	0.00	
13,600.0	90.00	359.66	10,407.0	3,238.4	-318.8	3,247.6	0.00	0.00	0.00	
13,700.0	90.00	359.66	10,407.0	3,338.4	-319.4	3,347.6	0.00	0.00	0.00	
13,800.0	90.00	359.66	10,407.0	3,438.4	-320.0	3,447.6	0.00	0.00	0.00	
13,900.0	90.00	359.66	10,407.0	3,538.4	-320.6	3,547.5	0.00	0.00	0.00	
14,000.0	90.00	359.66	10,407.0	3,638.4	-321.2	3,647.5	0.00	0.00	0.00	
14,100.0	90.00	359.66	10,407.0	3,738.4	-321.8	3,747.4	0.00	0.00	0.00	
14,200.0	90.00	359.66	10,407.0	3,838.4	-322.4	3,847.4	0.00	0.00	0.00	
14,300.0	90.00	359.66	10,407.0	3,938.4	-323.0	3,947.3	0.00	0.00	0.00	
14,400.0	90.00	359.66	10,407.0	4,038.4	-323.6	4,047.3	0.00	0.00	0.00	
14,500.0	90.00	359.66	10,407.0	4,138.4	-324.2	4,147.3	0.00	0.00	0.00	
14,600.0	90.00	359.66	10,407.0	4,238.4	-324.8	4,247.2	0.00	0.00	0.00	
14,700.0	90.00	359.66	10,407.0	4,338.4	-325.4	4,347.2	0.00	0.00	0.00	
14,800.0	90.00	359.66	10,407.0	4,438.4	-326.0	4,447.1	0.00	0.00	0.00	
14,900.0	90.00	359.66	10,407.0	4,538.4	-326.6	4,547.1	0.00	0.00	0.00	
15,000.0	90.00	359.66	10,407.0	4,638.4	-327.2	4,647.0	0.00	0.00	0.00	
15,100.0	90.00	359.66	10,407.0	4,738.4	-327.8	4,747.0	0.00	0.00	0.00	
15,200.0	90.00	359.66	10,407.0	4,838.4	-328.4	4,847.0	0.00	0.00	0.00	
15,300.0	90.00	359.66	10,407.0	4,938.4	-329.0	4,946.9	0.00	0.00	0.00	
15,400.0	90.00	359.66	10,407.0	5,038.4	-329.6	5,046.9	0.00	0.00	0.00	
15,500.0	90.00	359.66	10,407.0	5,138.4	-330.2	5,146.8	0.00	0.00	0.00	
15,600.0	90.00	359.66	10,407.0	5,238.4	-330.8	5,246.8	0.00	0.00	0.00	
15,700.0	90.00	359.66	10,407.0	5,338.4	-331.4	5,346.8	0.00	0.00	0.00	
15,800.0	90.00	359.66	10,407.0	5,438.4	-332.0	5,446.7	0.00	0.00	0.00	
15,900.0	90.00	359.66	10,407.0	5,538.4	-332.6	5,546.7	0.00	0.00	0.00	
16,000.0	90.00	359.66	10,407.0	5,638.4	-333.2	5,646.6	0.00	0.00	0.00	
16,100.0	90.00	359.66	10,407.0	5,738.4	-333.8	5,746.6	0.00	0.00	0.00	
16,200.0	90.00	359.66	10,407.0	5,838.4	-334.4	5,846.5	0.00	0.00	0.00	
16,300.0	90.00	359.66	10,407.0	5,938.4	-335.0	5,946.5	0.00	0.00	0.00	
16,400.0	90.00	359.66	10,407.0	6,038.4	-335.6	6,046.5	0.00	0.00	0.00	
16,500.0	90.00	359.66	10,407.0	6,138.4	-336.2	6,146.4	0.00	0.00	0.00	
16,600.0	90.00	359.66	10,407.0	6,238.4	-336.8	6,246.4	0.00	0.00	0.00	
16,700.0	90.00	359.66	10,407.0	6,338.4	-337.4	6,346.3	0.00	0.00	0.00	
16,800.0	90.00	359.66	10,407.0	6,438.4	-338.0	6,446.3	0.00	0.00	0.00	
16,900.0	90.00	359.66	10,407.0	6,538.4	-338.6	6,546.2	0.00	0.00	0.00	
17,000.0	90.00	359.66	10,407.0	6,638.4	-339.2	6,646.2	0.00	0.00	0.00	
17,100.0	90.00	359.66	10,407.0	6,738.4	-339.8	6,746.2	0.00	0.00	0.00	
17,200.0	90.00	359.66	10,407.0	6,838.4	-340.4	6,846.1	0.00	0.00	0.00	
17,300.0	90.00	359.66	10,407.0	6,938.4	-341.0	6,946.1	0.00	0.00	0.00	
17,400.0	90.00	359.66	10,407.0	7,038.4	-341.6	7,046.0	0.00	0.00	0.00	
17,500.0	90.00	359.66	10,407.0	7,138.4	-342.2	7,146.0	0.00	0.00	0.00	
17,600.0	90.00	359.66	10,407.0	7,238.4	-342.8	7,245.9	0.00	0.00	0.00	
17,700.0	90.00	359.66	10,407.0	7,338.4	-343.4	7,345.9	0.00	0.00	0.00	
17,800.0	90.00	359.66	10,407.0	7,438.4	-344.0	7,445.9	0.00	0.00	0.00	
17,900.0	90.00	359.66	10,407.0	7,538.4	-344.6	7,545.8	0.00	0.00	0.00	
18,000.0	90.00	359.66	10,407.0	7,638.4	-345.2	7,645.8	0.00	0.00	0.00	
18,100.0	90.00	359.66	10,407.0	7,738.4	-345.8	7,745.7	0.00	0.00	0.00	
18,200.0	90.00	359.66	10,407.0	7,838.4	-346.4	7,845.7	0.00	0.00	0.00	
18,300.0	90.00	359.66	10,407.0	7,938.4	-347.0	7,945.6	0.00	0.00	0.00	
18,400.0	90.00	359.66	10,407.0	8,038.3	-347.6	8,045.6	0.00	0.00	0.00	
18,500.0	90.00	359.66	10,407.0	8,138.3	-348.2	8,145.6	0.00	0.00	0.00	



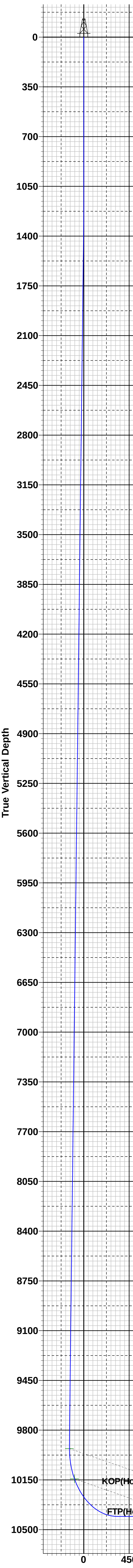
EOG Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well #311H
Company:	EOG Resources - Midland	TVD Reference:	kb = 25' @ 3367.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3367.0usft
Site:	Holyfield 9 Fed Com	North Reference:	Grid
Well:	#311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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)	
18,600.0	90.00	359.66	10,407.0	8,238.3	-348.8	8,245.5	0.00	0.00	0.00	
18,700.0	90.00	359.66	10,407.0	8,338.3	-349.5	8,345.5	0.00	0.00	0.00	
18,800.0	90.00	359.66	10,407.0	8,438.3	-350.1	8,445.4	0.00	0.00	0.00	
18,900.0	90.00	359.66	10,407.0	8,538.3	-350.7	8,545.4	0.00	0.00	0.00	
19,000.0	90.00	359.66	10,407.0	8,638.3	-351.3	8,645.3	0.00	0.00	0.00	
19,100.0	90.00	359.66	10,407.0	8,738.3	-351.9	8,745.3	0.00	0.00	0.00	
19,200.0	90.00	359.66	10,407.0	8,838.3	-352.5	8,845.3	0.00	0.00	0.00	
19,300.0	90.00	359.66	10,407.0	8,938.3	-353.1	8,945.2	0.00	0.00	0.00	
19,400.0	90.00	359.66	10,407.0	9,038.3	-353.7	9,045.2	0.00	0.00	0.00	
19,500.0	90.00	359.66	10,407.0	9,138.3	-354.3	9,145.1	0.00	0.00	0.00	
19,600.0	90.00	359.66	10,407.0	9,238.3	-354.9	9,245.1	0.00	0.00	0.00	
19,700.0	90.00	359.66	10,407.0	9,338.3	-355.5	9,345.0	0.00	0.00	0.00	
19,800.0	90.00	359.66	10,407.0	9,438.3	-356.1	9,445.0	0.00	0.00	0.00	
19,900.0	90.00	359.66	10,407.0	9,538.3	-356.7	9,545.0	0.00	0.00	0.00	
20,000.0	90.00	359.66	10,407.0	9,638.3	-357.3	9,644.9	0.00	0.00	0.00	
20,100.0	90.00	359.66	10,407.0	9,738.3	-357.9	9,744.9	0.00	0.00	0.00	
20,200.0	90.00	359.66	10,407.0	9,838.3	-358.5	9,844.8	0.00	0.00	0.00	
20,300.0	90.00	359.66	10,407.0	9,938.3	-359.1	9,944.8	0.00	0.00	0.00	
20,400.0	90.00	359.66	10,407.0	10,038.3	-359.7	10,044.8	0.00	0.00	0.00	
20,500.0	90.00	359.66	10,407.0	10,138.3	-360.3	10,144.7	0.00	0.00	0.00	
20,600.0	90.00	359.66	10,407.0	10,238.3	-360.9	10,244.7	0.00	0.00	0.00	
20,619.7	90.00	359.66	10,407.0	10,258.0	-361.0	10,264.4	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
KOP(Holyfield 9 Fed Co - plan hits target center - Point	0.00	0.00	9,929.5	-153.0	-298.0	414,941.00	804,730.00	32° 8' 16.408 N	103° 28' 56.586 W	
FTP(Holyfield 9 Fed Cor - plan hits target center - Point	0.00	0.00	10,142.2	-103.0	-298.0	414,991.00	804,730.00	32° 8' 16.903 N	103° 28' 56.582 W	
Fed Perf 1(Holyfield 9 Fed - plan hits target center - Point	0.00	0.00	10,407.0	1,117.0	-306.0	416,211.00	804,722.00	32° 8' 28.976 N	103° 28' 56.563 W	
PBHL(Holyfield 9 Fed Co - plan hits target center - Point	0.00	0.00	10,407.0	10,258.0	-361.0	425,352.00	804,667.00	32° 9' 59.431 N	103° 28' 56.362 W	



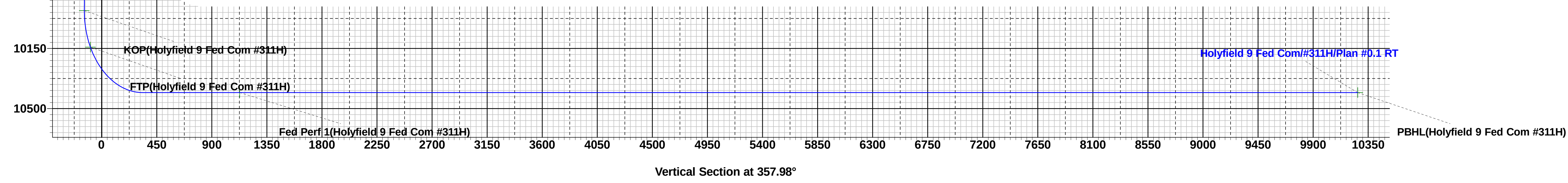
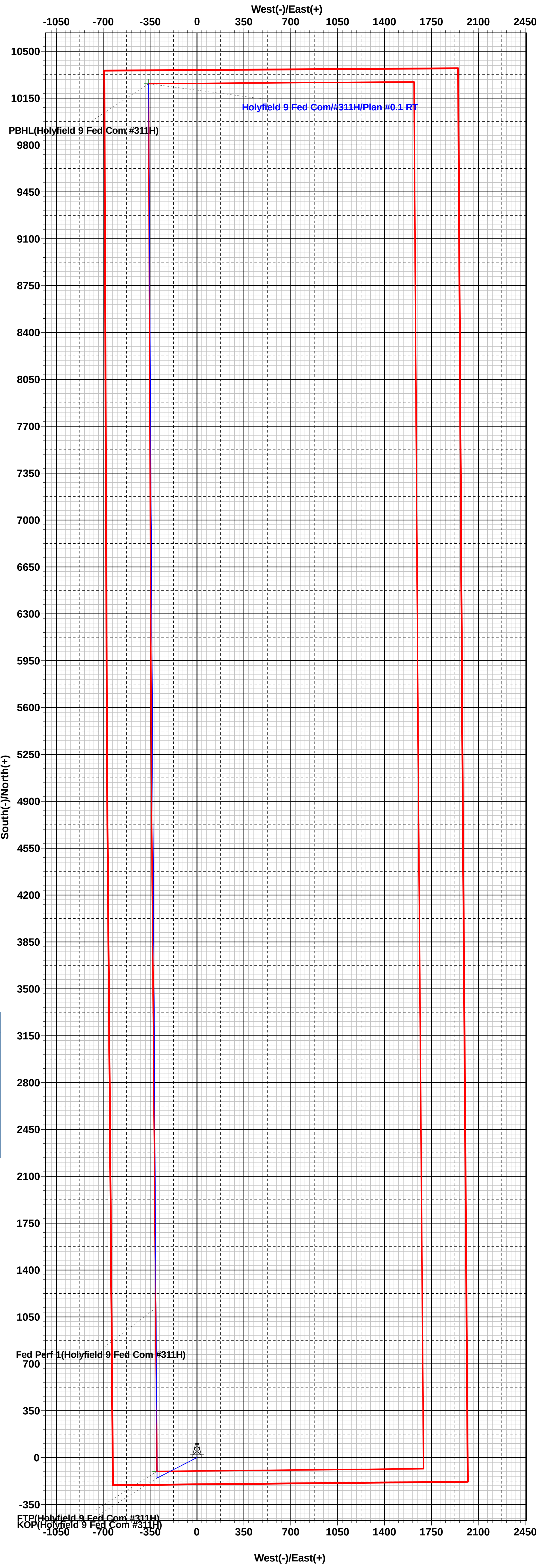
To convert a Magnetic Direction to a Grid Direction, Add 6.11°
To convert a Magnetic Direction to a True Direction, Add 6.56° East
To convert a True Direction to a Grid Direction, Subtract 0.45°

WELL DETAILS: #311H				
			3343.0	
Northing	kb = 25' @ 3367.0usft	Easting	Latitude	Longitude
415094.00		805028.00	32° 8' 17.899 N	103° 28' 53.107 W

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1311.3	2.23	242.82	1311.3	-1.0	-1.9	2.00	242.82	-0.9	
4	9824.7	2.23	242.82	9818.2	-152.0	-296.1	0.00	0.00	-141.5	
5	9936.0	0.00	0.00	9929.5	-153.0	-298.0	2.00	180.00	-142.4	KOP(Holyfield 9 Fed Com #311H)
6	10156.4	26.46	0.00	10142.2	-103.0	-298.0	12.00	0.00	-92.5	FTP(Holyfield 9 Fed Com #311H)
7	10685.9	90.00	359.58	10406.9	324.4	-300.2	12.00	-0.47	334.8	
8	11478.5	90.00	359.58	10407.0	1117.0	-306.0	0.00	0.00	1127.1	Fed Perf 1(Holyfield 9 Fed Com #311H)
9	11482.4	90.00	359.66	10407.0	1120.8	-306.0	2.00	87.06	1130.9	
10	20619.7	90.00	359.66	10407.0	10258.0	-361.0	0.00	0.00	10264.4	PBHL(Holyfield 9 Fed Com #311H)

CASING DETAILS
No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)					
Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Holyfield 9 Fed Com #311H)	9929.5	-153.0	-298.0	414941.00	804730.00
FTP(Holyfield 9 Fed Com #311H)	10142.2	-103.0	-298.0	414991.00	804730.00
Fed Perf 1(Holyfield 9 Fed Com #311H)	10407.0	1117.0	-306.0	416211.00	804722.00
PBHL(Holyfield 9 Fed Com #311H)	10407.0	10258.0	-361.0	425352.00	804667.00



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 24143

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 24143
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	6/17/2021