

Submit Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-50619
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. LG14876
7. Lease Name or Unit Agreement Name Grama Ridge 116 35 SB State Com
8. Well Number 202H
9. OGRID Number 372098
10. Pool name or Wildcat Grama Ridge; Bone Spring, NE

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator Marathon Oil Permian LLC	
3. Address of Operator 990 Town & Country Blvd. Houston, TX 77024	
4. Well Location Unit Letter <u>B</u> : <u>387</u> feet from the <u>NORTH</u> line and <u>1590</u> feet from the <u>EAST</u> line Section <u>35</u> Township <u>21S</u> Range <u>34E</u> NMPM County <u>LEA</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3679' GL	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Marathon Oil Permian LLC requests to make the following changes to the approved drilling permit:

Change well name:

From: Grama Ridge 116 35 SB State Com 202H

To: Grama Ridge 116 35 TB State Com 302H

Change Casing and Cement Program:

See Attached Drilling Plan, C-102, and Directional Survey

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Adrian Covarrubias TITLE Regulatory Compliance Representative DATE 1/18/2023

Type or print name Adrian Covarrubias E-mail address: acovarrubias@marathonoil.com PHONE: 713-296-3368

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

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 30-025-50619	² Pool Code 28435	³ Pool Name GRAMA RIDGE; BONE SPRING NE
⁴ Property Code 333720	⁵ Property Name GRAMA RIDGE 116 35 TB STATE COM	
OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁶ Well Number 302H ⁹ Elevation 3679'

¹⁰ Surface Location

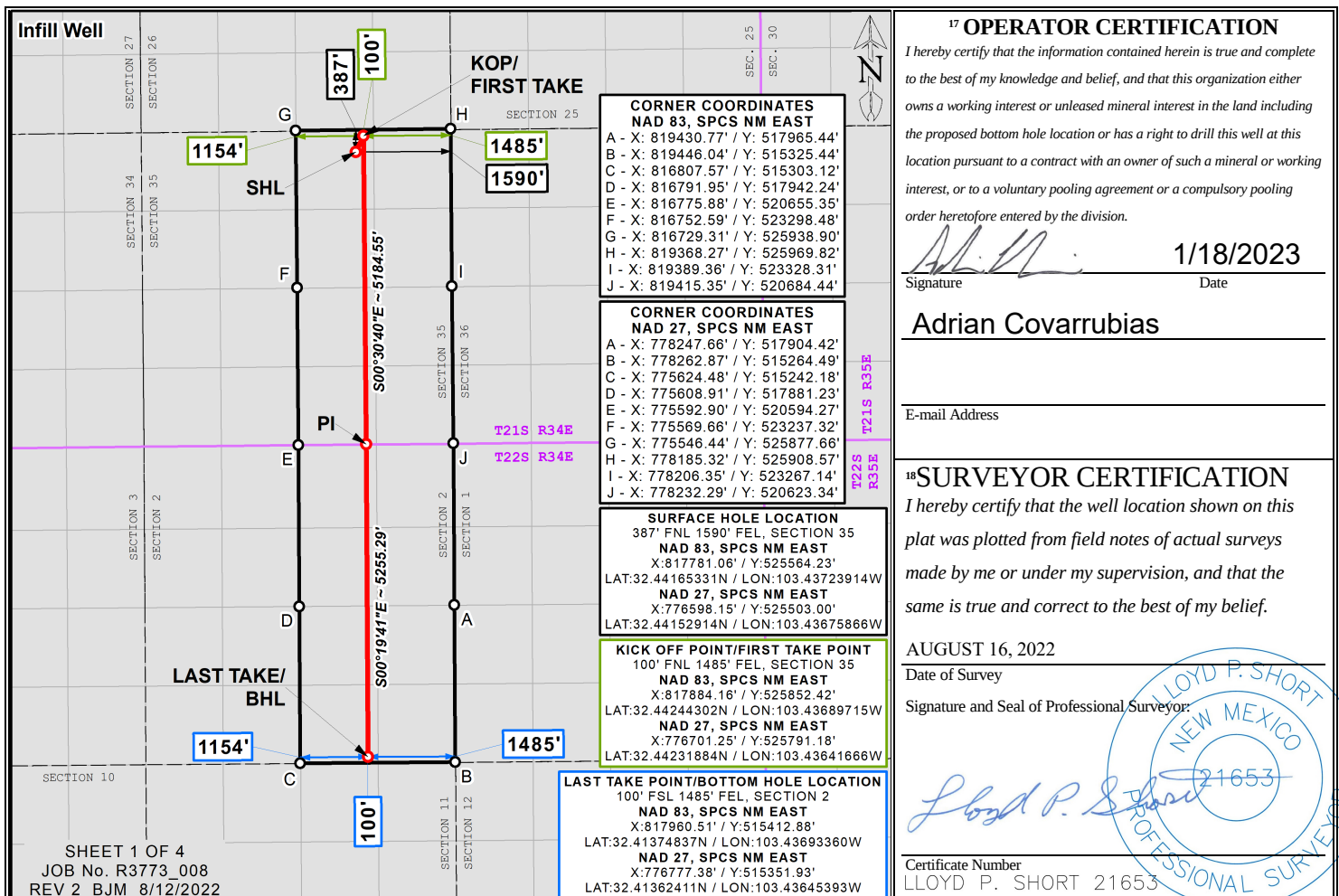
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	35	21S	34E		387	NORTH	1590	EAST	LEA

¹¹ Bottom 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
O	2	22S	34E		100	SOUTH	1485	EAST	LEA

¹² Dedicated Acres 644.63	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.



Distances/areas relative to NAD 83 Combined Scale Factor: 0.99982436 Convergence Angle: 00°28'51.35002"

Company: Marathon Oil
Well: Grama Ridge 116 35 TB State Com #302H
County: Lea County, New Mexico (NAD 27)
Rig: Cactus 171
Wellbore: Wellbore #1
Design: Design #4
Date: 10:33, January 11 2023

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: Grama Ridge 116 35 TB State Com #302H

		GL @ 3679.00	Well @ 3704.00usft (Cactus 171)		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	525502.97	776598.15	32° 26' 29.505 N	103° 26' 12.331 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.000	0.00	KOP, 2.00°/100' Build
2077.93	3.56	19.68	2077.81	5.20	1.86	2.00	19.684	-5.19	Begin 3.56° Tangent
6831.47	3.56	19.68	6822.19	283.01	101.24	0.00	0.000	-282.26	Begin 2.00°/100' Drop
7009.39	0.00	0.00	7000.00	288.21	103.10	2.00	180.000	-287.44	Begin Vertical Hold
10636.44	0.00	0.00	10627.04	288.21	103.10	0.00	0.000	-287.44	Begin 10.00°/100' Build
11536.44	90.00	179.58	11200.00	-284.73	107.28	10.00	179.582	285.51	Begin 90.00° Lateral
12403.01	90.00	179.58	11200.00	-10151.04	179.23	0.00	0.000	10152.08	PBHL

Target Line: 11,200' TVD @ 0' VS; 90° inc

Name
FTP - Grama Ridge 302H
KOP - Grama Ridge 302H
LTP/PBHL v3 - Grama Ridge 302H
VP - Grama Ridge 302H

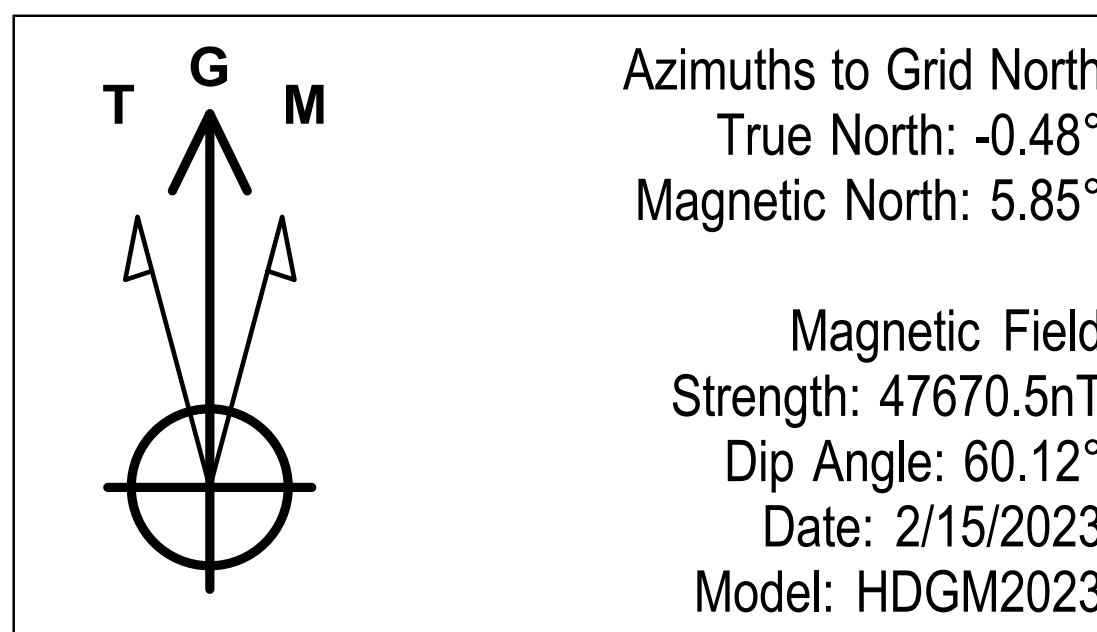
TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	288.21	103.10	525791.18	776701.25	32° 26' 32.348 N	103° 26' 11.100 W
10627.04	288.21	103.10	525791.18	776701.25	32° 26' 32.348 N	103° 26' 11.100 W
11200.00	-10151.04	179.23	515351.93	776777.38	32° 24' 49.047 N	103° 26' 11.234 W
7000.00	288.21	103.10	525791.18	776701.25	32° 26' 32.348 N	103° 26' 11.100 W

SURVEY PROGRAM

Tool
MWD+HRGM+FDIR

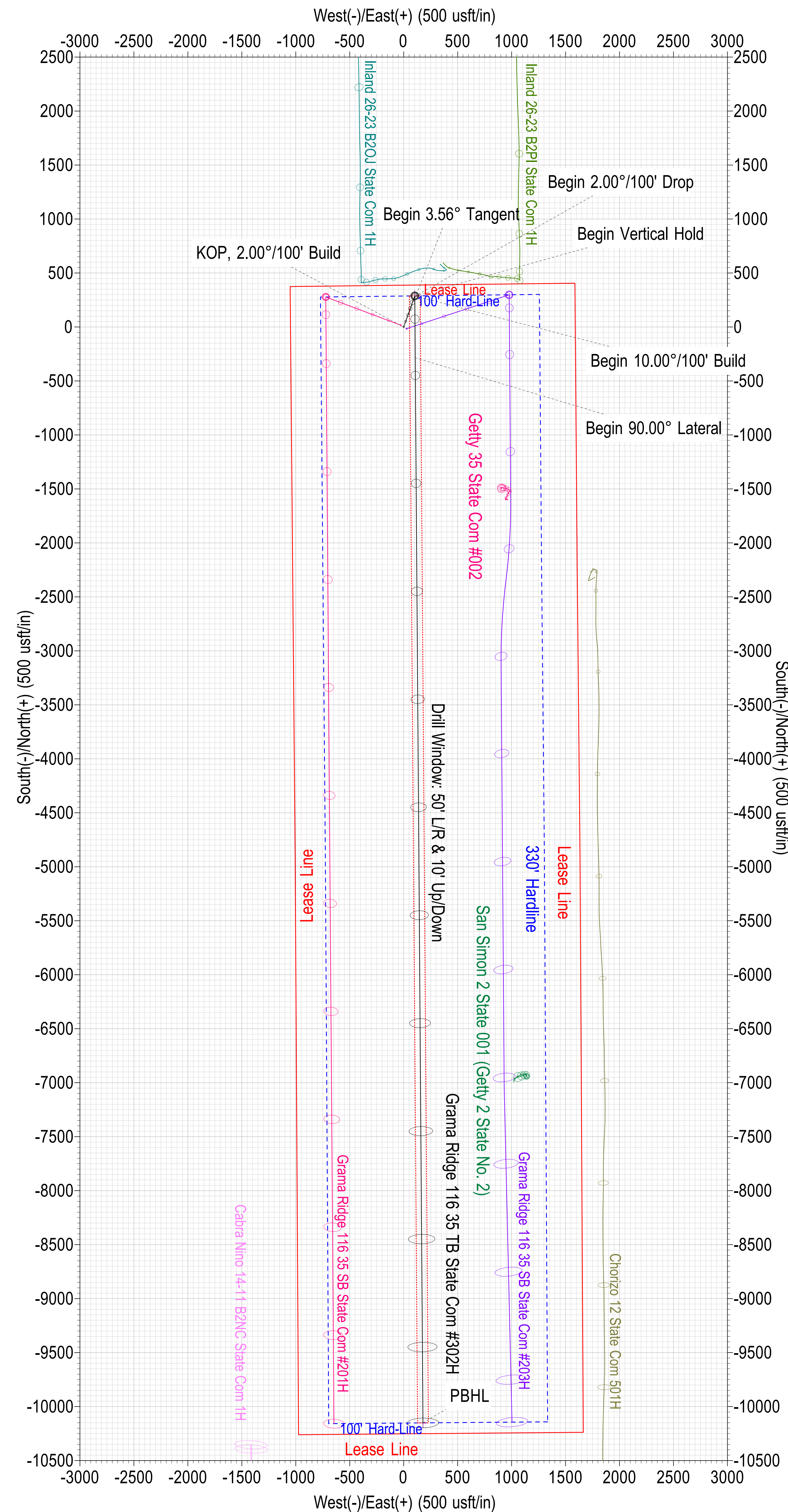
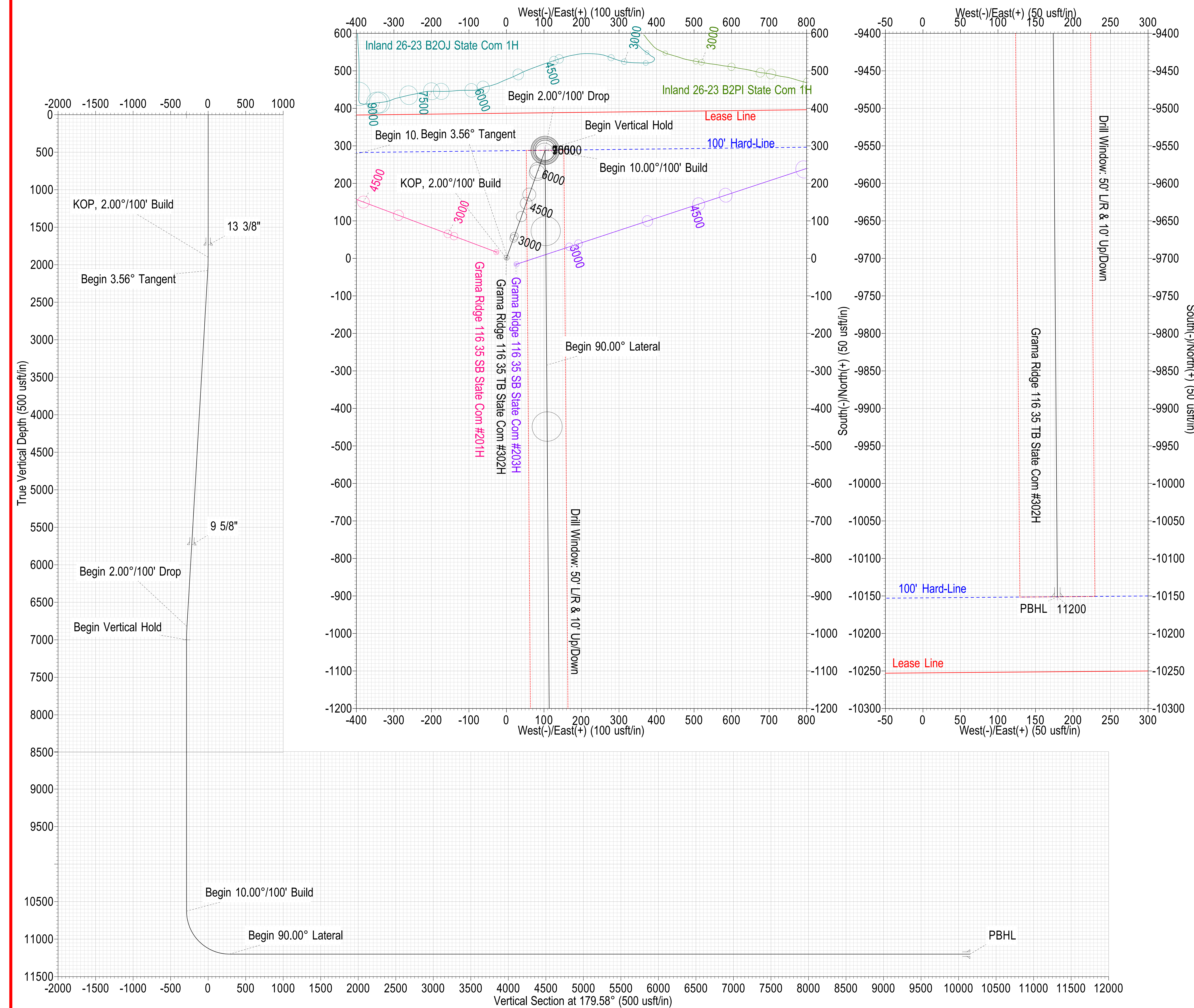


To convert a Magnetic Direction to a Grid Direction, Add 5.852°
 To convert a Magnetic Direction to a True Direction, Add 6.333° East
 To convert a True Direction to a Grid Direction, Subtract 0.481°



Azimuths to Grid North
True North: -0.48°
Magnetic North: 5.85°

Magnetic Field
Strength: 47670.5nT
Dip Angle: 60.12°
Date: 2/15/2023
Model: HDGM2023





Marathon Oil

Lea County, New Mexico (NAD 27)

Grama Ridge 116 35 SB State Com (201H, 203H, 302H)

Grama Ridge 116 35 TB State Com #302H

Wellbore #1

Plan: Design #4

Standard Planning Report

16 January, 2023





MS Directional Planning Report



Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Grama Ridge 116 35 TB State Com #302H
Company:	Marathon Oil	TVD Reference:	Well @ 3704.00usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	Well @ 3704.00usft (Cactus 171)
Site:	Grama Ridge 116 35 SB State Com (201H, 203H, 302H)	North Reference:	Grid
Well:	Grama Ridge 116 35 TB State Com #302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #4		

Project	Lea County, New Mexico (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Grama Ridge 116 35 SB State Com (201H, 203H, 302H)		
Site Position:		Northing:	525,519.11 usft
From:	Map	Easting:	776,572.84 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.441574
		Longitude:	-103.436841

Well	Grama Ridge 116 35 TB State Com #302H					
Well Position	+N/-S	0.00 usft	Northing:	525,502.97 usft	Latitude:	32.441529
	+E/-W	0.00 usft	Easting:	776,598.15 usft	Longitude:	-103.436759
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,679.00 usft
Grid Convergence:	0.481 °					

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2023	2/15/2023	6.333	60.117	47,670.50

Design	Design #4				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	179.58	

Plan Survey Tool Program	Date	1/11/2023			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	21,403.01	Design #4 (Wellbore #1)	MWD+HRGM+FDIR	
				OWSG MWD + HRGM + FDIR	



MS Directional Planning Report



Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Grama Ridge 116 35 TB State Com #302H
Company:	Marathon Oil	TVD Reference:	Well @ 3704.00usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	Well @ 3704.00usft (Cactus 171)
Site:	Grama Ridge 116 35 SB State Com (201H, 203H, 302H)	North Reference:	Grid
Well:	Grama Ridge 116 35 TB State Com #302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #4		

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	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000		
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.000		
2,077.93	3.56	19.68	2,077.81	5.20	1.86	2.00	2.00	0.00	19.684		
6,831.47	3.56	19.68	6,822.19	283.01	101.24	0.00	0.00	0.00	0.000		
7,009.39	0.00	0.00	7,000.00	288.21	103.10	2.00	-2.00	0.00	180.000	VP - Grama Ridge :	
10,636.44	0.00	0.00	10,627.04	288.21	103.10	0.00	0.00	0.00	0.000		
11,536.44	90.00	179.58	11,200.00	-284.73	107.28	10.00	10.00	0.00	179.582		
21,403.01	90.00	179.58	11,200.00	-10,151.04	179.23	0.00	0.00	0.00	0.000	LTP/PBHL v3 - Grai	



MS Directional Planning Report



Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Grama Ridge 116 35 TB State Com #302H
Company:	Marathon Oil	TVD Reference:	Well @ 3704.00usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	Well @ 3704.00usft (Cactus 171)
Site:	Grama Ridge 116 35 SB State Com (201H, 203H, 302H)	North Reference:	Grid
Well:	Grama Ridge 116 35 TB State Com #302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #4		

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,739.00	0.00	0.00	1,739.00	0.00	0.00	0.00	0.00	0.00	0.00
13 3/8"									
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, 2.00°/100' Build									
2,000.00	2.00	19.68	1,999.98	1.64	0.59	-1.64	2.00	2.00	0.00
2,077.91	3.56	19.68	2,077.80	5.20	1.86	-5.19	2.00	2.00	0.00
Begin 3.56° Tangent									
2,077.93	3.56	19.68	2,077.81	5.20	1.86	-5.19	2.00	2.00	0.00
2,100.00	3.56	19.68	2,099.84	6.49	2.32	-6.47	0.00	0.00	0.00
2,200.00	3.56	19.68	2,199.65	12.34	4.41	-12.30	0.00	0.00	0.00
2,300.00	3.56	19.68	2,299.46	18.18	6.50	-18.13	0.00	0.00	0.00
2,400.00	3.56	19.68	2,399.26	24.02	8.59	-23.96	0.00	0.00	0.00
2,500.00	3.56	19.68	2,499.07	29.87	10.68	-29.79	0.00	0.00	0.00
2,600.00	3.56	19.68	2,598.88	35.71	12.78	-35.62	0.00	0.00	0.00
2,700.00	3.56	19.68	2,698.69	41.56	14.87	-41.45	0.00	0.00	0.00
2,800.00	3.56	19.68	2,798.49	47.40	16.96	-47.27	0.00	0.00	0.00
2,900.00	3.56	19.68	2,898.30	53.24	19.05	-53.10	0.00	0.00	0.00
3,000.00	3.56	19.68	2,998.11	59.09	21.14	-58.93	0.00	0.00	0.00
3,100.00	3.56	19.68	3,097.92	64.93	23.23	-64.76	0.00	0.00	0.00
3,200.00	3.56	19.68	3,197.72	70.78	25.32	-70.59	0.00	0.00	0.00
3,300.00	3.56	19.68	3,297.53	76.62	27.41	-76.42	0.00	0.00	0.00
3,400.00	3.56	19.68	3,397.34	82.47	29.50	-82.25	0.00	0.00	0.00
3,500.00	3.56	19.68	3,497.14	88.31	31.59	-88.08	0.00	0.00	0.00
3,600.00	3.56	19.68	3,596.95	94.15	33.68	-93.90	0.00	0.00	0.00
3,700.00	3.56	19.68	3,696.76	100.00	35.77	-99.73	0.00	0.00	0.00
3,800.00	3.56	19.68	3,796.57	105.84	37.86	-105.56	0.00	0.00	0.00
3,900.00	3.56	19.68	3,896.37	111.69	39.95	-111.39	0.00	0.00	0.00
4,000.00	3.56	19.68	3,996.18	117.53	42.04	-117.22	0.00	0.00	0.00
4,100.00	3.56	19.68	4,095.99	123.37	44.13	-123.05	0.00	0.00	0.00
4,200.00	3.56	19.68	4,195.79	129.22	46.23	-128.88	0.00	0.00	0.00
4,300.00	3.56	19.68	4,295.60	135.06	48.32	-134.71	0.00	0.00	0.00
4,400.00	3.56	19.68	4,395.41	140.91	50.41	-140.53	0.00	0.00	0.00
4,500.00	3.56	19.68	4,495.22	146.75	52.50	-146.36	0.00	0.00	0.00



MS Directional Planning Report



Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Grama Ridge 116 35 TB State Com #302H
Company:	Marathon Oil	TVD Reference:	Well @ 3704.00usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	Well @ 3704.00usft (Cactus 171)
Site:	Grams Ridge 116 35 SB State Com (201H, 203H, 302H)	North Reference:	Grid
Well:	Grams Ridge 116 35 TB State Com #302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #4		

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)
4,600.00	3.56	19.68	4,595.02	152.60	54.59	-152.19	0.00	0.00	0.00
4,700.00	3.56	19.68	4,694.83	158.44	56.68	-158.02	0.00	0.00	0.00
4,800.00	3.56	19.68	4,794.64	164.28	58.77	-163.85	0.00	0.00	0.00
4,900.00	3.56	19.68	4,894.44	170.13	60.86	-169.68	0.00	0.00	0.00
5,000.00	3.56	19.68	4,994.25	175.97	62.95	-175.51	0.00	0.00	0.00
5,100.00	3.56	19.68	5,094.06	181.82	65.04	-181.33	0.00	0.00	0.00
5,200.00	3.56	19.68	5,193.87	187.66	67.13	-187.16	0.00	0.00	0.00
5,300.00	3.56	19.68	5,293.67	193.50	69.22	-192.99	0.00	0.00	0.00
5,400.00	3.56	19.68	5,393.48	199.35	71.31	-198.82	0.00	0.00	0.00
5,500.00	3.56	19.68	5,493.29	205.19	73.40	-204.65	0.00	0.00	0.00
5,600.00	3.56	19.68	5,593.09	211.04	75.49	-210.48	0.00	0.00	0.00
5,700.00	3.56	19.68	5,692.90	216.88	77.58	-216.31	0.00	0.00	0.00
5,742.18	3.56	19.68	5,735.00	219.35	78.47	-218.77	0.00	0.00	0.00
9 5/8"									
5,800.00	3.56	19.68	5,792.71	222.73	79.68	-222.14	0.00	0.00	0.00
5,900.00	3.56	19.68	5,892.52	228.57	81.77	-227.96	0.00	0.00	0.00
6,000.00	3.56	19.68	5,992.32	234.41	83.86	-233.79	0.00	0.00	0.00
6,100.00	3.56	19.68	6,092.13	240.26	85.95	-239.62	0.00	0.00	0.00
6,200.00	3.56	19.68	6,191.94	246.10	88.04	-245.45	0.00	0.00	0.00
6,300.00	3.56	19.68	6,291.75	251.95	90.13	-251.28	0.00	0.00	0.00
6,400.00	3.56	19.68	6,391.55	257.79	92.22	-257.11	0.00	0.00	0.00
6,500.00	3.56	19.68	6,491.36	263.64	94.31	-262.94	0.00	0.00	0.00
6,600.00	3.56	19.68	6,591.17	269.48	96.40	-268.77	0.00	0.00	0.00
6,700.00	3.56	19.68	6,690.97	275.32	98.49	-274.59	0.00	0.00	0.00
6,800.00	3.56	19.68	6,790.78	281.17	100.58	-280.42	0.00	0.00	0.00
6,831.47	3.56	19.68	6,822.19	283.01	101.24	-282.26	0.00	0.00	0.00
6,831.48	3.56	19.68	6,822.20	283.01	101.24	-282.26	0.01	0.00	0.00
Begin 2.00°/100' Drop									
6,900.00	2.19	19.68	6,890.63	286.24	102.40	-285.48	2.00	-2.00	0.00
7,009.39	0.00	0.00	7,000.00	288.21	103.10	-287.44	2.00	-2.00	-17.99
Begin Vertical Hold									
7,100.00	0.00	0.00	7,090.61	288.21	103.10	-287.44	0.00	0.00	0.00
7,200.00	0.00	0.00	7,190.61	288.21	103.10	-287.44	0.00	0.00	0.00
7,300.00	0.00	0.00	7,290.61	288.21	103.10	-287.44	0.00	0.00	0.00
7,400.00	0.00	0.00	7,390.61	288.21	103.10	-287.44	0.00	0.00	0.00
7,500.00	0.00	0.00	7,490.61	288.21	103.10	-287.44	0.00	0.00	0.00
7,600.00	0.00	0.00	7,590.61	288.21	103.10	-287.44	0.00	0.00	0.00
7,700.00	0.00	0.00	7,690.61	288.21	103.10	-287.44	0.00	0.00	0.00
7,800.00	0.00	0.00	7,790.61	288.21	103.10	-287.44	0.00	0.00	0.00
7,900.00	0.00	0.00	7,890.61	288.21	103.10	-287.44	0.00	0.00	0.00
8,000.00	0.00	0.00	7,990.61	288.21	103.10	-287.44	0.00	0.00	0.00
8,100.00	0.00	0.00	8,090.61	288.21	103.10	-287.44	0.00	0.00	0.00
8,200.00	0.00	0.00	8,190.61	288.21	103.10	-287.44	0.00	0.00	0.00
8,300.00	0.00	0.00	8,290.61	288.21	103.10	-287.44	0.00	0.00	0.00
8,400.00	0.00	0.00	8,390.61	288.21	103.10	-287.44	0.00	0.00	0.00
8,500.00	0.00	0.00	8,490.61	288.21	103.10	-287.44	0.00	0.00	0.00
8,600.00	0.00	0.00	8,590.61	288.21	103.10	-287.44	0.00	0.00	0.00
8,700.00	0.00	0.00	8,690.61	288.21	103.10	-287.44	0.00	0.00	0.00
8,800.00	0.00	0.00	8,790.61	288.21	103.10	-287.44	0.00	0.00	0.00
8,900.00	0.00	0.00	8,890.61	288.21	103.10	-287.44	0.00	0.00	0.00
9,000.00	0.00	0.00	8,990.61	288.21	103.10	-287.44	0.00	0.00	0.00
9,100.00	0.00	0.00	9,090.61	288.21	103.10	-287.44	0.00	0.00	0.00



MS Directional Planning Report



Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Grama Ridge 116 35 TB State Com #302H
Company:	Marathon Oil	TVD Reference:	Well @ 3704.00usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	Well @ 3704.00usft (Cactus 171)
Site:	Grama Ridge 116 35 SB State Com (201H, 203H, 302H)	North Reference:	Grid
Well:	Grama Ridge 116 35 TB State Com #302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #4		

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)
9,200.00	0.00	0.00	9,190.61	288.21	103.10	-287.44	0.00	0.00	0.00
9,300.00	0.00	0.00	9,290.61	288.21	103.10	-287.44	0.00	0.00	0.00
9,400.00	0.00	0.00	9,390.61	288.21	103.10	-287.44	0.00	0.00	0.00
9,500.00	0.00	0.00	9,490.61	288.21	103.10	-287.44	0.00	0.00	0.00
9,600.00	0.00	0.00	9,590.61	288.21	103.10	-287.44	0.00	0.00	0.00
9,700.00	0.00	0.00	9,690.61	288.21	103.10	-287.44	0.00	0.00	0.00
9,800.00	0.00	0.00	9,790.61	288.21	103.10	-287.44	0.00	0.00	0.00
9,900.00	0.00	0.00	9,890.61	288.21	103.10	-287.44	0.00	0.00	0.00
10,000.00	0.00	0.00	9,990.61	288.21	103.10	-287.44	0.00	0.00	0.00
10,100.00	0.00	0.00	10,090.61	288.21	103.10	-287.44	0.00	0.00	0.00
10,200.00	0.00	0.00	10,190.61	288.21	103.10	-287.44	0.00	0.00	0.00
10,300.00	0.00	0.00	10,290.61	288.21	103.10	-287.44	0.00	0.00	0.00
10,400.00	0.00	0.00	10,390.61	288.21	103.10	-287.44	0.00	0.00	0.00
10,500.00	0.00	0.00	10,490.61	288.21	103.10	-287.44	0.00	0.00	0.00
10,600.00	0.00	0.00	10,590.61	288.21	103.10	-287.44	0.00	0.00	0.00
10,636.43	0.00	0.00	10,627.04	288.21	103.10	-287.44	0.00	0.00	0.00
Begin 10.00°/100' Build									
10,636.44	0.00	0.00	10,627.04	288.21	103.10	-287.44	0.00	0.00	0.00
10,650.00	1.36	179.58	10,640.60	288.05	103.10	-287.28	10.00	10.00	0.00
10,700.00	6.36	179.58	10,690.48	284.69	103.13	-283.92	10.00	10.00	0.00
10,750.00	11.36	179.58	10,739.86	276.99	103.18	-276.23	10.00	10.00	0.00
10,800.00	16.36	179.58	10,788.39	265.02	103.27	-264.26	10.00	10.00	0.00
10,850.00	21.36	179.58	10,835.70	248.87	103.39	-248.10	10.00	10.00	0.00
10,900.00	26.36	179.58	10,881.41	228.65	103.53	-227.89	10.00	10.00	0.00
10,950.00	31.36	179.58	10,925.19	204.53	103.71	-203.76	10.00	10.00	0.00
11,000.00	36.36	179.58	10,966.70	176.68	103.91	-175.92	10.00	10.00	0.00
11,050.00	41.36	179.58	11,005.62	145.32	104.14	-144.56	10.00	10.00	0.00
11,100.00	46.36	179.58	11,041.66	110.69	104.39	-109.93	10.00	10.00	0.00
11,150.00	51.36	179.58	11,074.55	73.05	104.67	-72.28	10.00	10.00	0.00
11,200.00	56.36	179.58	11,104.03	32.69	104.96	-31.92	10.00	10.00	0.00
11,250.00	61.36	179.58	11,129.88	-10.09	105.28	10.86	10.00	10.00	0.00
11,300.00	66.36	179.58	11,151.90	-54.96	105.60	55.73	10.00	10.00	0.00
11,350.00	71.36	179.58	11,169.93	-101.58	105.94	102.35	10.00	10.00	0.00
11,400.00	76.36	179.58	11,183.83	-149.59	106.29	150.36	10.00	10.00	0.00
11,450.00	81.36	179.58	11,193.49	-198.63	106.65	199.40	10.00	10.00	0.00
11,500.00	86.36	179.58	11,198.84	-248.32	107.01	249.10	10.00	10.00	0.00
11,536.43	90.00	179.58	11,200.00	-284.73	107.28	285.51	10.00	10.00	0.00
Begin 90.00° Lateral									
11,536.44	90.00	179.58	11,200.00	-284.73	107.28	285.51	10.00	10.00	0.00
11,600.00	90.00	179.58	11,200.00	-348.30	107.74	349.08	0.00	0.00	0.00
11,700.00	90.00	179.58	11,200.00	-448.29	108.47	449.08	0.00	0.00	0.00
11,800.00	90.00	179.58	11,200.00	-548.29	109.20	549.08	0.00	0.00	0.00
11,900.00	90.00	179.58	11,200.00	-648.29	109.93	649.08	0.00	0.00	0.00
12,000.00	90.00	179.58	11,200.00	-748.29	110.66	749.08	0.00	0.00	0.00
12,100.00	90.00	179.58	11,200.00	-848.28	111.39	849.08	0.00	0.00	0.00
12,200.00	90.00	179.58	11,200.00	-948.28	112.12	949.08	0.00	0.00	0.00
12,300.00	90.00	179.58	11,200.00	-1,048.28	112.85	1,049.08	0.00	0.00	0.00
12,400.00	90.00	179.58	11,200.00	-1,148.28	113.58	1,149.08	0.00	0.00	0.00
12,500.00	90.00	179.58	11,200.00	-1,248.27	114.30	1,249.08	0.00	0.00	0.00
12,600.00	90.00	179.58	11,200.00	-1,348.27	115.03	1,349.08	0.00	0.00	0.00
12,700.00	90.00	179.58	11,200.00	-1,448.27	115.76	1,449.08	0.00	0.00	0.00
12,800.00	90.00	179.58	11,200.00	-1,548.27	116.49	1,549.08	0.00	0.00	0.00



MS Directional Planning Report



Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Grama Ridge 116 35 TB State Com #302H
Company:	Marathon Oil	TVD Reference:	Well @ 3704.00usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	Well @ 3704.00usft (Cactus 171)
Site:	Grama Ridge 116 35 SB State Com (201H, 203H, 302H)	North Reference:	Grid
Well:	Grama Ridge 116 35 TB State Com #302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #4		

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)
12,900.00	90.00	179.58	11,200.00	-1,648.26	117.22	1,649.08	0.00	0.00	0.00
13,000.00	90.00	179.58	11,200.00	-1,748.26	117.95	1,749.08	0.00	0.00	0.00
13,100.00	90.00	179.58	11,200.00	-1,848.26	118.68	1,849.08	0.00	0.00	0.00
13,200.00	90.00	179.58	11,200.00	-1,948.25	119.41	1,949.08	0.00	0.00	0.00
13,300.00	90.00	179.58	11,200.00	-2,048.25	120.14	2,049.08	0.00	0.00	0.00
13,400.00	90.00	179.58	11,200.00	-2,148.25	120.87	2,149.08	0.00	0.00	0.00
13,500.00	90.00	179.58	11,200.00	-2,248.25	121.60	2,249.08	0.00	0.00	0.00
13,600.00	90.00	179.58	11,200.00	-2,348.24	122.33	2,349.08	0.00	0.00	0.00
13,700.00	90.00	179.58	11,200.00	-2,448.24	123.06	2,449.08	0.00	0.00	0.00
13,800.00	90.00	179.58	11,200.00	-2,548.24	123.79	2,549.08	0.00	0.00	0.00
13,900.00	90.00	179.58	11,200.00	-2,648.24	124.51	2,649.08	0.00	0.00	0.00
14,000.00	90.00	179.58	11,200.00	-2,748.23	125.24	2,749.08	0.00	0.00	0.00
14,100.00	90.00	179.58	11,200.00	-2,848.23	125.97	2,849.08	0.00	0.00	0.00
14,200.00	90.00	179.58	11,200.00	-2,948.23	126.70	2,949.08	0.00	0.00	0.00
14,300.00	90.00	179.58	11,200.00	-3,048.23	127.43	3,049.08	0.00	0.00	0.00
14,400.00	90.00	179.58	11,200.00	-3,148.22	128.16	3,149.08	0.00	0.00	0.00
14,500.00	90.00	179.58	11,200.00	-3,248.22	128.89	3,249.08	0.00	0.00	0.00
14,600.00	90.00	179.58	11,200.00	-3,348.22	129.62	3,349.08	0.00	0.00	0.00
14,700.00	90.00	179.58	11,200.00	-3,448.21	130.35	3,449.08	0.00	0.00	0.00
14,800.00	90.00	179.58	11,200.00	-3,548.21	131.08	3,549.08	0.00	0.00	0.00
14,900.00	90.00	179.58	11,200.00	-3,648.21	131.81	3,649.08	0.00	0.00	0.00
15,000.00	90.00	179.58	11,200.00	-3,748.21	132.54	3,749.08	0.00	0.00	0.00
15,100.00	90.00	179.58	11,200.00	-3,848.20	133.27	3,849.08	0.00	0.00	0.00
15,200.00	90.00	179.58	11,200.00	-3,948.20	133.99	3,949.08	0.00	0.00	0.00
15,300.00	90.00	179.58	11,200.00	-4,048.20	134.72	4,049.08	0.00	0.00	0.00
15,400.00	90.00	179.58	11,200.00	-4,148.20	135.45	4,149.08	0.00	0.00	0.00
15,500.00	90.00	179.58	11,200.00	-4,248.19	136.18	4,249.08	0.00	0.00	0.00
15,600.00	90.00	179.58	11,200.00	-4,348.19	136.91	4,349.08	0.00	0.00	0.00
15,700.00	90.00	179.58	11,200.00	-4,448.19	137.64	4,449.08	0.00	0.00	0.00
15,800.00	90.00	179.58	11,200.00	-4,548.19	138.37	4,549.08	0.00	0.00	0.00
15,900.00	90.00	179.58	11,200.00	-4,648.18	139.10	4,649.08	0.00	0.00	0.00
16,000.00	90.00	179.58	11,200.00	-4,748.18	139.83	4,749.08	0.00	0.00	0.00
16,100.00	90.00	179.58	11,200.00	-4,848.18	140.56	4,849.08	0.00	0.00	0.00
16,200.00	90.00	179.58	11,200.00	-4,948.17	141.29	4,949.08	0.00	0.00	0.00
16,300.00	90.00	179.58	11,200.00	-5,048.17	142.02	5,049.08	0.00	0.00	0.00
16,400.00	90.00	179.58	11,200.00	-5,148.17	142.75	5,149.08	0.00	0.00	0.00
16,500.00	90.00	179.58	11,200.00	-5,248.17	143.47	5,249.08	0.00	0.00	0.00
16,600.00	90.00	179.58	11,200.00	-5,348.16	144.20	5,349.08	0.00	0.00	0.00
16,700.00	90.00	179.58	11,200.00	-5,448.16	144.93	5,449.08	0.00	0.00	0.00
16,800.00	90.00	179.58	11,200.00	-5,548.16	145.66	5,549.08	0.00	0.00	0.00
16,900.00	90.00	179.58	11,200.00	-5,648.16	146.39	5,649.08	0.00	0.00	0.00
17,000.00	90.00	179.58	11,200.00	-5,748.15	147.12	5,749.08	0.00	0.00	0.00
17,100.00	90.00	179.58	11,200.00	-5,848.15	147.85	5,849.08	0.00	0.00	0.00
17,200.00	90.00	179.58	11,200.00	-5,948.15	148.58	5,949.08	0.00	0.00	0.00
17,300.00	90.00	179.58	11,200.00	-6,048.15	149.31	6,049.08	0.00	0.00	0.00
17,400.00	90.00	179.58	11,200.00	-6,148.14	150.04	6,149.08	0.00	0.00	0.00
17,500.00	90.00	179.58	11,200.00	-6,248.14	150.77	6,249.08	0.00	0.00	0.00
17,600.00	90.00	179.58	11,200.00	-6,348.14	151.50	6,349.08	0.00	0.00	0.00
17,700.00	90.00	179.58	11,200.00	-6,448.13	152.23	6,449.08	0.00	0.00	0.00
17,800.00	90.00	179.58	11,200.00	-6,548.13	152.95	6,549.08	0.00	0.00	0.00
17,900.00	90.00	179.58	11,200.00	-6,648.13	153.68	6,649.08	0.00	0.00	0.00
18,000.00	90.00	179.58	11,200.00	-6,748.13	154.41	6,749.08	0.00	0.00	0.00



MS Directional Planning Report



Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Grama Ridge 116 35 TB State Com #302H
Company:	Marathon Oil	TVD Reference:	Well @ 3704.00usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	Well @ 3704.00usft (Cactus 171)
Site:	Grama Ridge 116 35 SB State Com (201H, 203H, 302H)	North Reference:	Grid
Well:	Grama Ridge 116 35 TB State Com #302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #4		

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)
18,100.00	90.00	179.58	11,200.00	-6,848.12	155.14	6,849.08	0.00	0.00	0.00
18,200.00	90.00	179.58	11,200.00	-6,948.12	155.87	6,949.08	0.00	0.00	0.00
18,300.00	90.00	179.58	11,200.00	-7,048.12	156.60	7,049.08	0.00	0.00	0.00
18,400.00	90.00	179.58	11,200.00	-7,148.12	157.33	7,149.08	0.00	0.00	0.00
18,500.00	90.00	179.58	11,200.00	-7,248.11	158.06	7,249.08	0.00	0.00	0.00
18,600.00	90.00	179.58	11,200.00	-7,348.11	158.79	7,349.08	0.00	0.00	0.00
18,700.00	90.00	179.58	11,200.00	-7,448.11	159.52	7,449.08	0.00	0.00	0.00
18,800.00	90.00	179.58	11,200.00	-7,548.11	160.25	7,549.08	0.00	0.00	0.00
18,900.00	90.00	179.58	11,200.00	-7,648.10	160.98	7,649.08	0.00	0.00	0.00
19,000.00	90.00	179.58	11,200.00	-7,748.10	161.71	7,749.08	0.00	0.00	0.00
19,100.00	90.00	179.58	11,200.00	-7,848.10	162.44	7,849.08	0.00	0.00	0.00
19,200.00	90.00	179.58	11,200.00	-7,948.09	163.16	7,949.08	0.00	0.00	0.00
19,300.00	90.00	179.58	11,200.00	-8,048.09	163.89	8,049.08	0.00	0.00	0.00
19,400.00	90.00	179.58	11,200.00	-8,148.09	164.62	8,149.08	0.00	0.00	0.00
19,500.00	90.00	179.58	11,200.00	-8,248.09	165.35	8,249.08	0.00	0.00	0.00
19,600.00	90.00	179.58	11,200.00	-8,348.08	166.08	8,349.08	0.00	0.00	0.00
19,700.00	90.00	179.58	11,200.00	-8,448.08	166.81	8,449.08	0.00	0.00	0.00
19,800.00	90.00	179.58	11,200.00	-8,548.08	167.54	8,549.08	0.00	0.00	0.00
19,900.00	90.00	179.58	11,200.00	-8,648.08	168.27	8,649.08	0.00	0.00	0.00
20,000.00	90.00	179.58	11,200.00	-8,748.07	169.00	8,749.08	0.00	0.00	0.00
20,100.00	90.00	179.58	11,200.00	-8,848.07	169.73	8,849.08	0.00	0.00	0.00
20,200.00	90.00	179.58	11,200.00	-8,948.07	170.46	8,949.08	0.00	0.00	0.00
20,300.00	90.00	179.58	11,200.00	-9,048.07	171.19	9,049.08	0.00	0.00	0.00
20,400.00	90.00	179.58	11,200.00	-9,148.06	171.92	9,149.08	0.00	0.00	0.00
20,500.00	90.00	179.58	11,200.00	-9,248.06	172.64	9,249.08	0.00	0.00	0.00
20,600.00	90.00	179.58	11,200.00	-9,348.06	173.37	9,349.08	0.00	0.00	0.00
20,700.00	90.00	179.58	11,200.00	-9,448.06	174.10	9,449.08	0.00	0.00	0.00
20,800.00	90.00	179.58	11,200.00	-9,548.05	174.83	9,549.08	0.00	0.00	0.00
20,900.00	90.00	179.58	11,200.00	-9,648.05	175.56	9,649.08	0.00	0.00	0.00
21,000.00	90.00	179.58	11,200.00	-9,748.05	176.29	9,749.08	0.00	0.00	0.00
21,100.00	90.00	179.58	11,200.00	-9,848.04	177.02	9,849.08	0.00	0.00	0.00
21,200.00	90.00	179.58	11,200.00	-9,948.04	177.75	9,949.08	0.00	0.00	0.00
21,300.00	90.00	179.58	11,200.00	-10,048.04	178.48	10,049.08	0.00	0.00	0.00
21,403.01	90.00	179.58	11,200.00	-10,151.04	179.23	10,152.08	0.00	0.00	0.00
PBHL									



MS Directional Planning Report



Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Grama Ridge 116 35 TB State Com #302H
Company:	Marathon Oil	TVD Reference:	Well @ 3704.00usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 27)	MD Reference:	Well @ 3704.00usft (Cactus 171)
Site:	Gramma Ridge 116 35 SB State Com (201H, 203H, 302H)	North Reference:	Grid
Well:	Gramma Ridge 116 35 TB State Com #302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #4		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP - Grama Ridge 30' - plan misses target center by 306.09usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	288.21	103.10	525,791.18	776,701.25	32.442319	-103.436417
VP - Grama Ridge 30' - plan hits target center - Point	0.00	0.00	7,000.00	288.21	103.10	525,791.18	776,701.25	32.442319	-103.436417
KOP - Grama Ridge 3 - plan hits target center - Point	0.00	0.00	10,627.04	288.21	103.10	525,791.18	776,701.25	32.442319	-103.436417
LTP/PBHL v3 - Grama - plan hits target center - Point	0.00	0.00	11,200.00	-10,151.04	179.23	515,351.93	776,777.38	32.413624	-103.436454

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,739.00	1,739.00	13 3/8"	13-3/8	17-1/2	
5,742.18	5,735.00	9 5/8"	9-5/8	12-1/4	
21,403.01	11,200.00	5 1/2"	5-1/2	6	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,900.00	1,900.00	0.00	0.00	KOP, 2.00°/100' Build
2,077.91	2,077.80	5.20	1.86	Begin 3.56° Tangent
6,831.48	6,822.20	283.01	101.24	Begin 2.00°/100' Drop
7,009.39	7,000.00	288.21	103.10	Begin Vertical Hold
10,636.43	10,627.04	288.21	103.10	Begin 10.00°/100' Build
11,536.43	11,200.00	-284.73	107.28	Begin 90.00° Lateral
21,403.01	11,200.00	-10,151.04	179.23	PBHL

MARATHON OIL PERMIAN LLC**DRILLING AND OPERATIONS PLAN****PAD NAME:** Gramma Ridge 116 35 State Com 201H, 302H, 203H**STATE:** NEW MEXICO**COUNTY:** LEA

Well	Gramma Ridge 116 35 TB State Com 302H
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1. CASING PROGRAM

302H

String Type	Hole Size	Csg Size	Top Set MD	Bottom Set MD	Weight (lbs/ft)	Grade
Surface	<u>17 1/2</u>	<u>13 3/8</u>	<u>0</u>	<u>1,739</u>	<u>54.5</u>	<u>J55</u>
Intermediate I	<u>12 1/4</u>	<u>9 5/8</u>	<u>0</u>	<u>5,729</u>	<u>40</u>	<u>P110</u>
Production csg	<u>8 3/4</u>	<u>5 1/2</u>	<u>0</u>	<u>11,536</u>	<u>23</u>	<u>P110</u>
Production csg	<u>8 1/2</u>	<u>5 1/2</u>	<u>11,536</u>	<u>21,403</u>	<u>23</u>	<u>P110</u>

2. CEMENT PROGRAM:

302H

String Type	Top MD	Bottom MD	Quantity (sx)
Surface	0	1,739	1452
Intermediate I	0	5,729	1002
Production 8.75"	5,229	10,136	778
Production 8.5"	10,136	21,403	1972

3. PRESSURE CONTROL EQUIPMENT

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
12 ¼"	13 5/8	5000	Annular	x	50% of working pressure
			Blind Ram	X	5000
			Pipe Ram	X	
			Pipe Ram	X	
8 ¾" & 8 ½"	13 5/8	5000	5M Annular	x	50% of working pressure
			Blind Ram	x	5000
			Pipe Ram	x	
			Pipe Ram	x	

4. MUD PROGRAM:

Hole Section	Mud Type
<u>Surface</u>	<u>Water Based Mud</u>
<u>Intermediate 1</u>	<u>Brine</u>
<u>Production</u>	<u>Cut Brine / OBM</u>

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 176572

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 176572
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	1/18/2023