

Submit 1 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

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

Form C-103
Revised July 18, 2013

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.)		WELL API NO. 30-015-44692
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Marathon Oil Permian LLC.		6. State Oil & Gas Lease No.
3. Address of Operator 5555 San Felipe St, Houston, TX 77056		7. Lease Name or Unit Agreement Name Catapult Fee 23 26 1 WXY
4. Well Location Unit Letter <u>O</u> : <u>463</u> feet from the <u>South</u> line and <u>1527</u> feet from the <u>East</u> line Section <u>1</u> Township <u>23S</u> Range <u>26E</u> NMPM County <u>Eddy</u>		8. Well Number <u>3H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3219'		9. OGRID Number 372098
		10. Pool name or Wildcat Purple Sage; Wolfcamp (Gas)

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. respectfully requests to change the SHL of this well
from: 463' FSL 1527' FEL of O-1-T23S-R26E
to: 337' FSL 1447' FEL of O-36-T22S-R26E

Attached is an updated C-102, Directional and GCP.

NM OIL CONSERVATION
ARTESIA DISTRICT

APR 25 2018

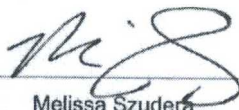
RECEIVED

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



TITLE Regulatory Compliance Representative

DATE 4/23/2018

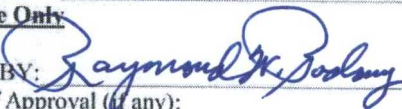
Type or print name Melissa Szudera

E-mail address: mszudera@marathonoil.com

PHONE: 713-296-3179

For State Use Only

APPROVED BY:



TITLE Geologist

DATE 5-7-18

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
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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 30-015-44692	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code	⁵ Property Name CATAPULT FEE 23-26-1 WXY	⁶ Well Number 3H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3217'

¹⁰ Surface Location

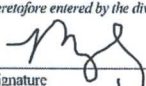
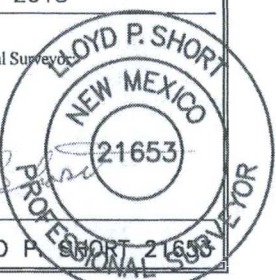
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	36	T22S	R26E		337	SOUTH	1447	EAST	EDDY

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
0	1	T23S	R26E		330	SOUTH	2348	EAST	EDDY

¹² Dedicated Acres 320.36	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.

¹⁶ SECTION 35 SECTION 36 T-22-S SECTION 2 SECTION 1 T-23-S SURFACE HOLE LOCATION 337' FSL 1447' FEL, SECTION 36 NAD 83, SPCS NM EAST X569435.11' / Y488179.22' LAT:32.34204320N / LDN104.24235300W NAD 27, SPCS NM EAST X528253.43' / Y488120.20' LAT:32.34192502N / LDN104.24185058W FIRST TAKE POINT 330' FNL 2325' FEL, SECTION 1 NAD 83, SPCS NM EAST X568556.29' / Y487511.27' LAT:32.34020911N / LDN104.24520040W NAD 27, SPCS NM EAST X527374.61' / Y487452.27' LAT:32.34009096N / LDN104.24469793W LAST TAKE POINT/BOTTOM HOLE LOCATION 330' FSL 2348' FEL, SECTION 1 NAD 83, SPCS NM EAST X568534.77' / Y488286.13' LAT:32.32744034N / LDN104.24528250W NAD 27, SPCS NM EAST X527353.00' / Y488207.25' LAT:32.32732213N / LDN104.24478032W CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 568227.81' / Y: 487840.96' B - X: 570881.56' / Y: 487843.47' C - X: 570883.00' / Y: 482551.56' D - X: 568203.23' / Y: 482533.94' SECTION 2 SECTION 11 SECTION 12 CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 527046.14' / Y: 487781.95' B - X: 529699.83' / Y: 487784.43' C - X: 529701.19' / Y: 482492.66' D - X: 527021.46' / Y: 482475.08'			SECTION 31 SECTION 6 2325' 2348' 330' SHL 337' 1447' FIRST TAKE LAST TAKE/BHL R-26-E R-2-E			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. Signature  Date 04/25/2018 Printed Name Melissa Szudera E-mail Address mszudera@marathonoil.com 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 and correct to the best of my belief. APRIL 24, 2018 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number LLOYD P. SHORT 21653		
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2	04/09/2018	CAP
REV.	DATE	BY

RWP 5-7-18

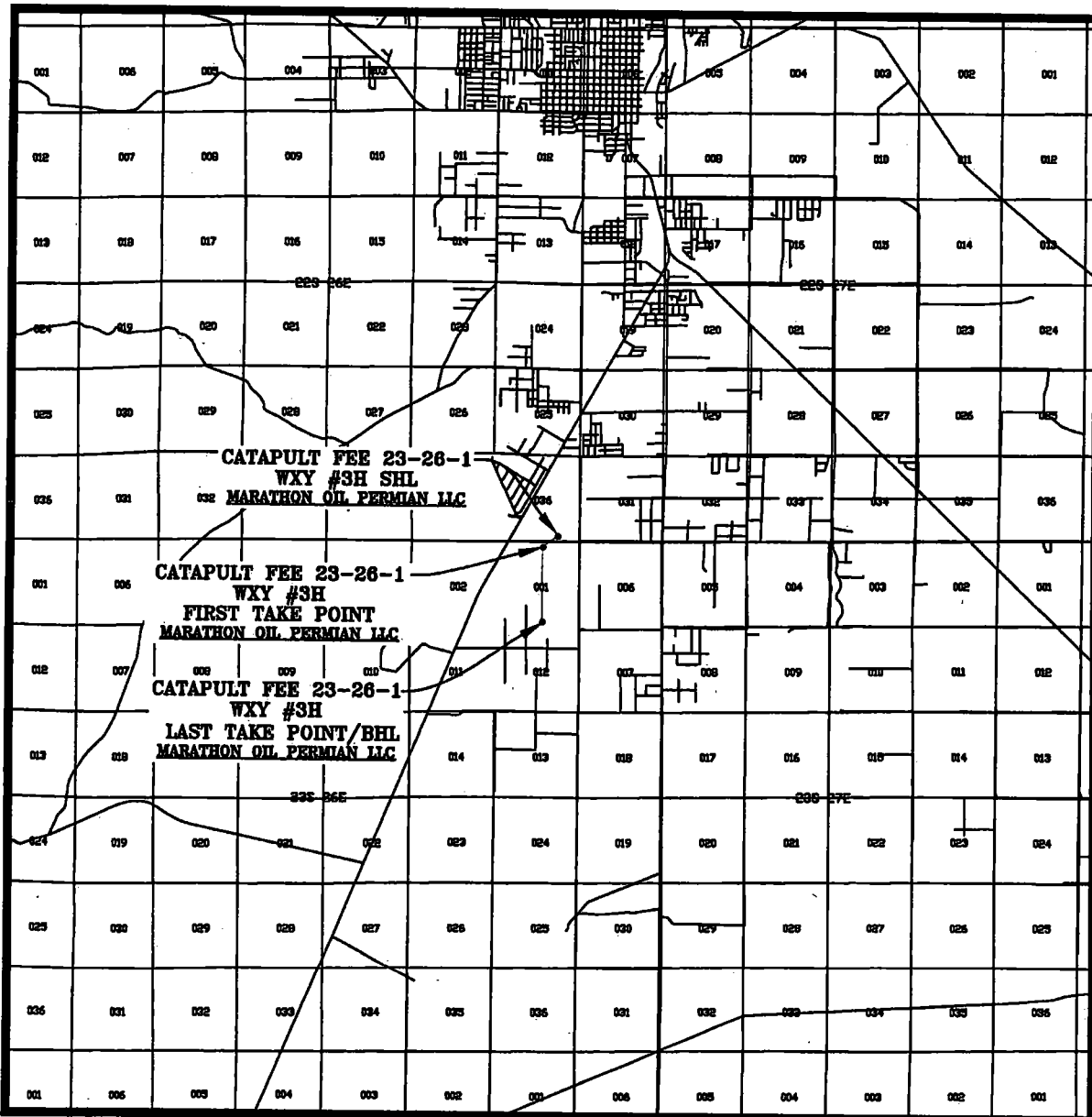
The map is a topographic representation of the Catapult Fee area, showing the proposed pipeline route and key locations. The route is marked with a solid line and arrows, starting from the 'FIRST TAKE POINT' and ending at the 'LAST TAKE POINT/BHL'. The map includes various geographical features such as contour lines, roads, and water bodies. Key locations and labels include:

- CATAPULT FEE 23-26-1** (multiple instances)
- WXY #3H SHL**
- MARATHON OIL PERMIAN LLC**
- WXY #3H**
- FIRST TAKE POINT**
- LAST TAKE POINT/BHL**
- MARATHON OIL PERMIAN LLC**
- Gravel Pits**
- PUMPING STA.**
- WTS**
- UPL**
- GW**
- WW**
- BM**
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- 2995T**
- 2994T**
- 2993T**

SCALE: 1" = 2000'
CONTOUR INTERVAL = 5'

PREPARED BY:
R-SQUARED GLOBAL, LLC
1300 LOUISVILLE AVENUE, MONROE, LA 71201
318-323-0900 OFFICE
JOB No. R3798_002

VICINITY MAP



SEC. 1 TWP. 23-S RGE. 26-E

SURVEY: N.M.P.M.

COUNTY: EDDY

DESCRIPTION: 337' FSL & 1447' FEL

ELEVATION: 3217'

OPERATOR: MARATHON OIL PERMIAN LLC

LEASE: CATAPULT FEE 23-26-1

U.S.G.S. TOPOGRAPHIC MAP: OTIS, N.M.

SCALE: 1" = 2 MILES

PREPARED BY:
R-SQUARED GLOBAL, LLC
1309 LOUISVILLE AVENUE, MONROE, LA 71201
316-323-8900 OFFICE
JOB No. R3798_002



Marathon Oil
Eddy County, NM
Catapult-Airport Pad
Cat WXY #3H
Prelim Plan A
GL: 3217' + KB: 25' (Prec594)

US State Plane 1927 (Exact solution)
NAD 1927 (NADCON CONUS)
Clarke 1866
New Mexico East 3001
Mean Sea Level

RKB Elevation: Well @ 3242.00usft (GL: 3217' + KB: 25' (Prec594))

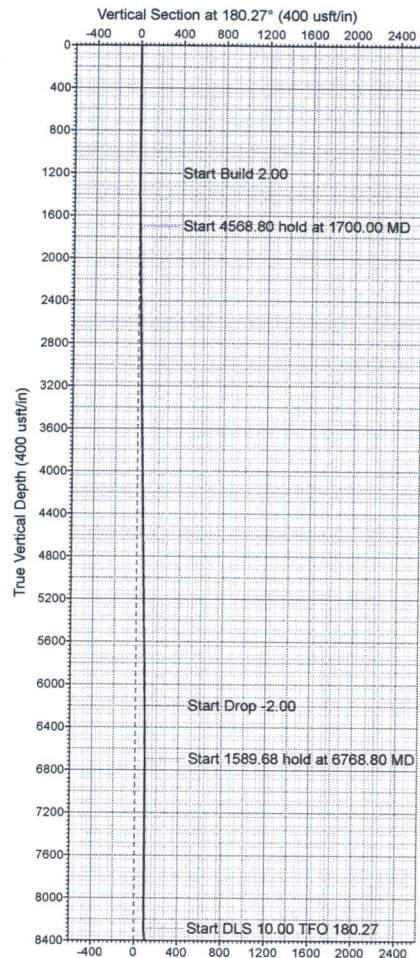
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	488120.20	528253.43	32.3419	-104.2419	

SECTION DETAILS

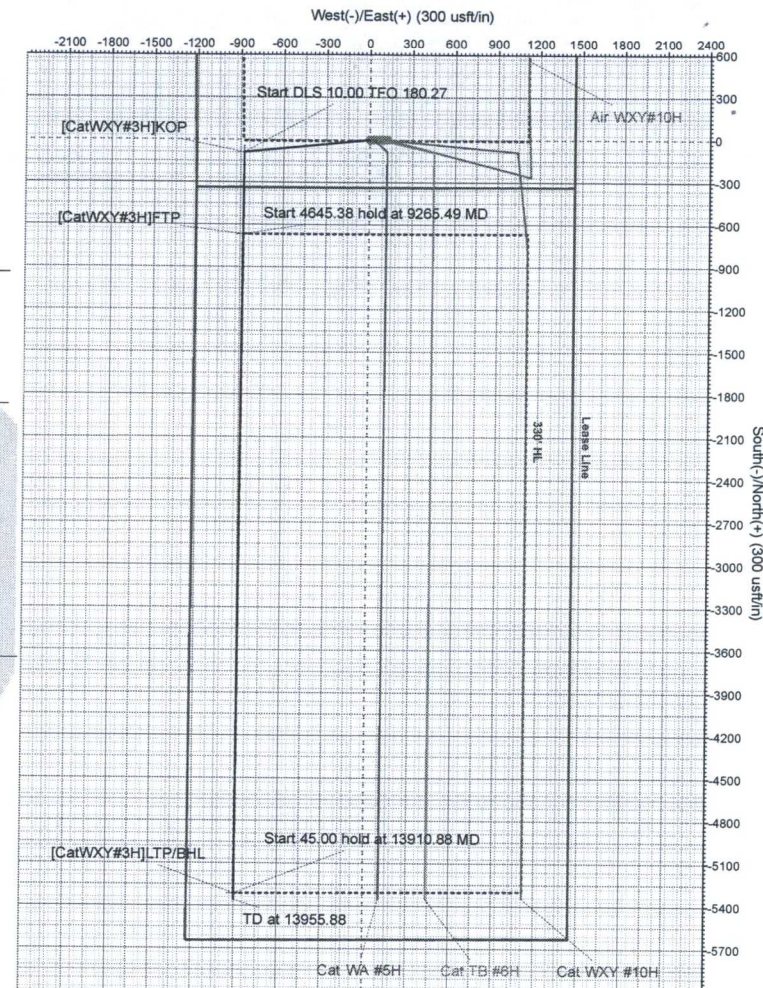
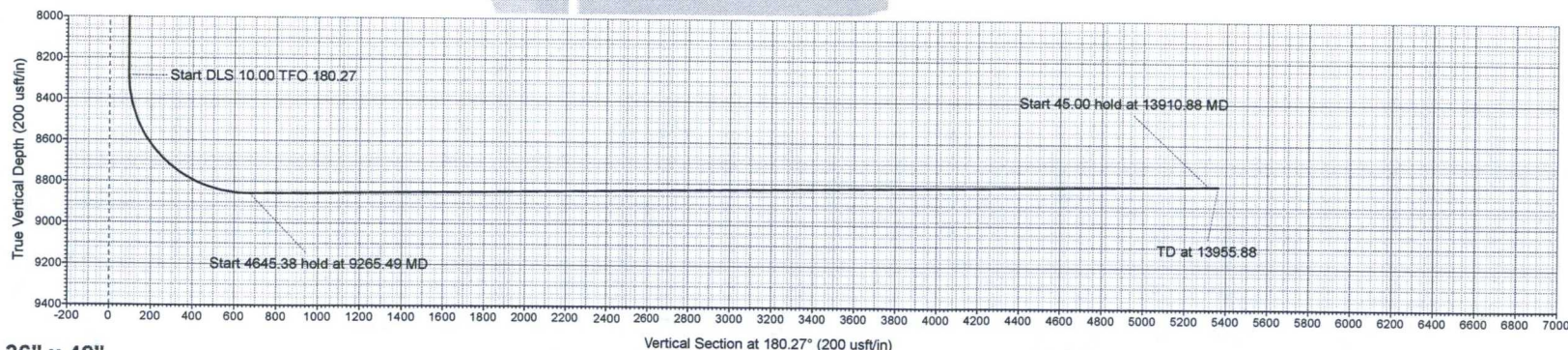
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00
3	1700.00	10.00	264.26	1697.47	-4.35	-43.30	2.00	4.55
4	6268.80	10.00	264.26	6196.86	-83.65	-832.70	0.00	87.57
5	6768.80	0.00	0.00	6694.32	-88.00	-876.00	2.00	92.13
6	8358.48	0.00	0.00	8284.00	-88.00	-876.00	0.00	92.13
7	9265.49	90.70	180.27	8856.91	-667.97	-878.71	10.00	672.10
8	13910.88	90.70	180.27	8800.04	-5312.95	-900.43	0.00	5317.13
9	13955.88	90.70	180.27	8799.49	-5357.95	-900.64	0.00	5362.13

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
[CatWXY#3H]FTP	0.00	-667.93	-878.82	487452.27	527374.61
[CatWXY#3H]KOP	8284.00	-88.00	-876.00	488032.20	527377.43
[CatWXY#3H]LTP/BHL	8800.04	-5312.95	-900.43	482807.25	527353.00



Target Line: 8865' TVD @ 0° VS: 90.7° INC



Azimuths to Grid North
True North: -0.05°
Magnetic North: 7.32°

Magnetic Field
Strength: 48010.3nT
Dip Angle: 60.07°
Date: 4/17/2018
Model: HDGM

Azimuth Corrections

Total Magnetic Corr. (M to G): 7.32°

Declination (M to T): 7.37° East

36" x 48"

Database:	WellPlanner1	Local Co-ordinate Reference:	Well Cat WXY #3H
Company:	Marathon Oil	TVD Reference:	Well @ 3242.00usft (GL: 3217' + KB: 25' (Prec594))
Project:	Eddy County, NM	MD Reference:	Well @ 3242.00usft (GL: 3217' + KB: 25' (Prec594))
Site:	Catapult-Airport Pad	North Reference:	Grid
Well:	Cat WXY #3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan A		

Project	Eddy County, NM		
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		Catapult-Airport Pad			
Site Position:		Northing:	488,120.19 usft	Latitude:	32.3419
From:	Map	Easting:	528,313.43 usft	Longitude:	-104.2417
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.05 °

Well	Cat WXY #3H					
Well Position	+N/-S	0.01 usft	Northing:	488,120.20 usft	Latitude:	32.3419
	+E/-W	-60.00 usft	Easting:	528,253.43 usft	Longitude:	-104.2419
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,217.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/17/2018	7.37	60.07	48,010.30

Design	Prelim Plan A			
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	180.27

Plan Survey Tool Program		Date 4/17/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	1,150.00 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		
2	1,150.00	5,400.00 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		
3	5,400.00	10,000.00 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		
4	10,000.00	13,955.88 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		

Database:	WellPlanner1	Local Co-ordinate Reference:	Well Cat WXY #3H
Company:	Marathon Oil	TVD Reference:	Well @ 3242.00usft (GL: 3217' + KB: 25' (Prec594))
Project:	Eddy County, NM	MD Reference:	Well @ 3242.00usft (GL: 3217' + KB: 25' (Prec594))
Site:	Catapult-Airport Pad	North Reference:	Grid
Well:	Cat WXY #3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan A		

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	0.00	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	10.00	264.26	1,697.47	-4.35	-43.30	2.00	2.00	0.00	264.26	
6,268.80	10.00	264.26	6,196.86	-83.65	-832.70	0.00	0.00	0.00	0.00	
6,768.80	0.00	0.00	6,694.32	-88.00	-876.00	2.00	-2.00	0.00	180.00	
8,358.48	0.00	0.00	8,284.00	-88.00	-876.00	0.00	0.00	0.00	0.00	[CatWXY#3H]KOP
9,265.49	90.70	180.27	8,856.92	-667.97	-878.71	10.00	10.00	-19.82	180.27	
13,910.88	90.70	180.27	8,800.04	-5,312.95	-900.43	0.00	0.00	0.00	0.00	[CatWXY#3H]LTP/BH
13,955.88	90.70	180.27	8,799.49	-5,357.95	-900.64	0.00	0.00	0.00	0.00	

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	
[CatWXY#3H]FTP										
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	10.00	264.26	1,697.47	-4.35	-43.30	4.55	2.00	2.00	0.00	
6,268.80	10.00	264.26	6,196.86	-83.65	-832.70	87.57	0.00	0.00	0.00	
6,768.80	0.00	0.00	6,694.32	-88.00	-876.00	92.13	2.00	-2.00	0.00	
8,358.48	0.00	0.00	8,284.00	-88.00	-876.00	92.13	0.00	0.00	0.00	
[CatWXY#3H]KOP										
9,265.49	90.70	180.27	8,856.92	-667.97	-878.71	672.10	10.00	10.00	0.00	
13,910.88	90.70	180.27	8,800.04	-5,312.95	-900.43	5,317.13	0.00	0.00	0.00	
[CatWXY#3H]LTP/BHL										
13,955.88	90.70	180.27	8,799.49	-5,357.95	-900.64	5,362.13	0.00	0.00	0.00	