

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

Form C-103
Revised July 18, 2013

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

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. 30-015-44690
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>1437</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>10H</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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
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 1437' FEL of O-1-T23S-R26E
to: 337' FSL 1357' FEL of O-36-T22S-R26E

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

NM OIL CONSERVATION
ARTESIA DISTRICT

APR 25 2018

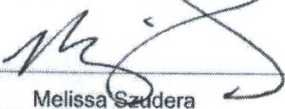
RECEIVED

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

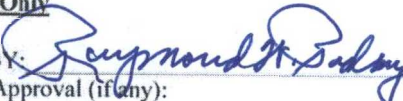
Melissa Szudera

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
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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 30-015-44690	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 10H
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
O	36	T22S	R26E		337	SOUTH	1357	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
P	1	T23S	R26E		330	SOUTH	330	EAST	EDDY

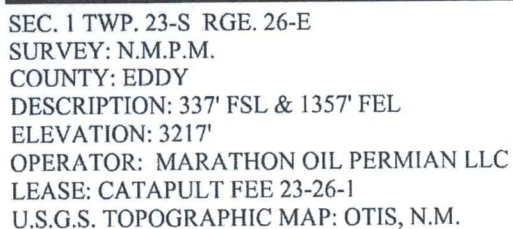
¹² Dedicated Acres 320.36	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶		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: <i>[Signature]</i> 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: <i>[Signature]</i> Certificate Number: LLOYD P. SHORT 21653		

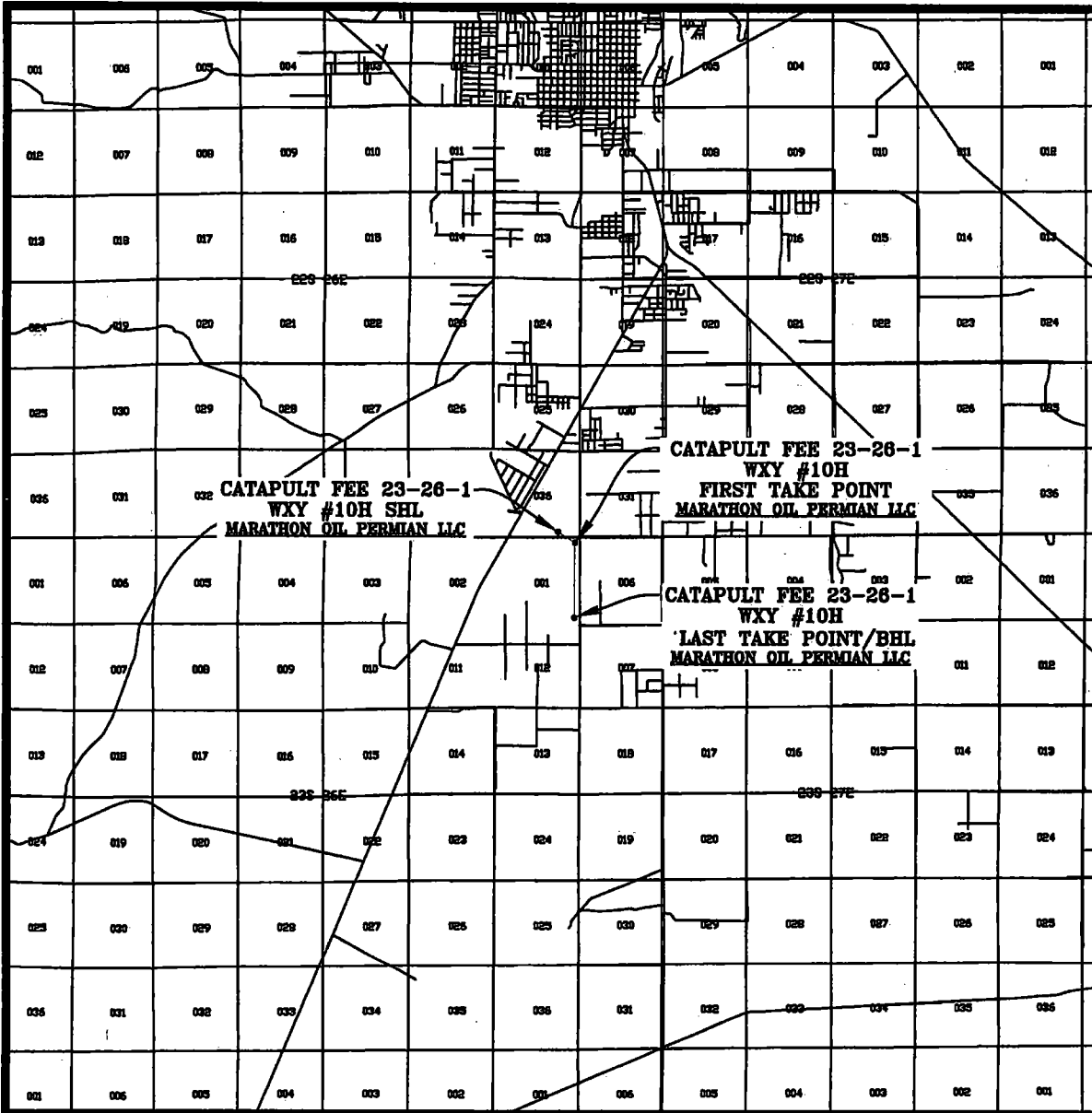
4	04/09/2018	CAP
REV.	DATE	BY

RWP 5-7-18



PREPARED BY:
R-SQUARED GLOBAL, LLC
1309 LOUISVILLE AVENUE, MONROE, LA 71201
318-323-6900 OFFICE
JOB No. R3798_001

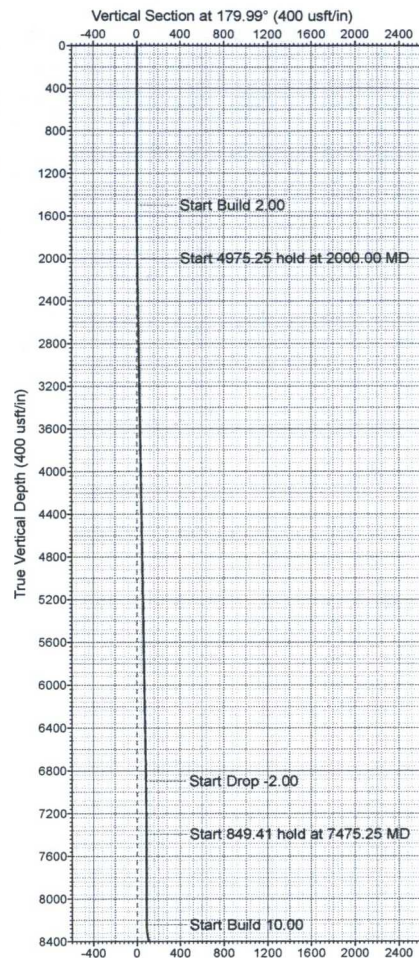
VICINITY MAP



SEC. 1 TWP. 23-S RGE. 26-E
 SURVEY: N.M.P.M.
 COUNTY: EDDY
 DESCRIPTION: 337' FSL & 1357' 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
 318-323-6800 OFFICE
 JOB No. R3798_001



Marathon Oil
Eddy County, NM
Catapult-Airport Pad
Cat WXY #10H
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))

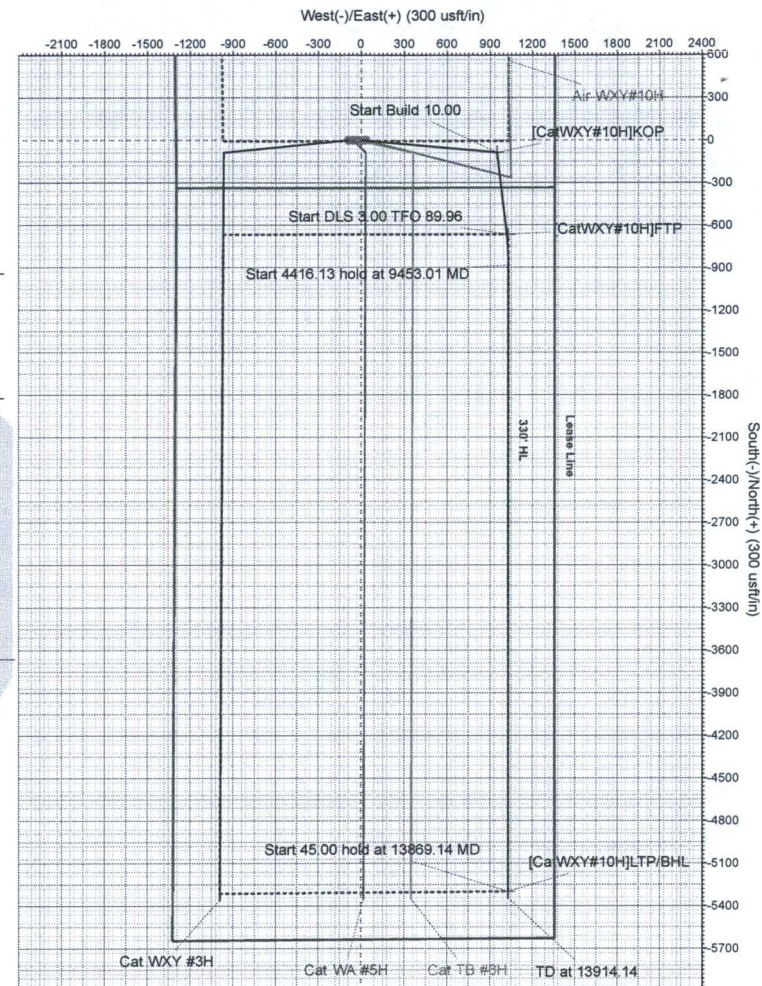
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	488120.19	528343.43	32.3419	-104.2416	

SECTION DETAILS

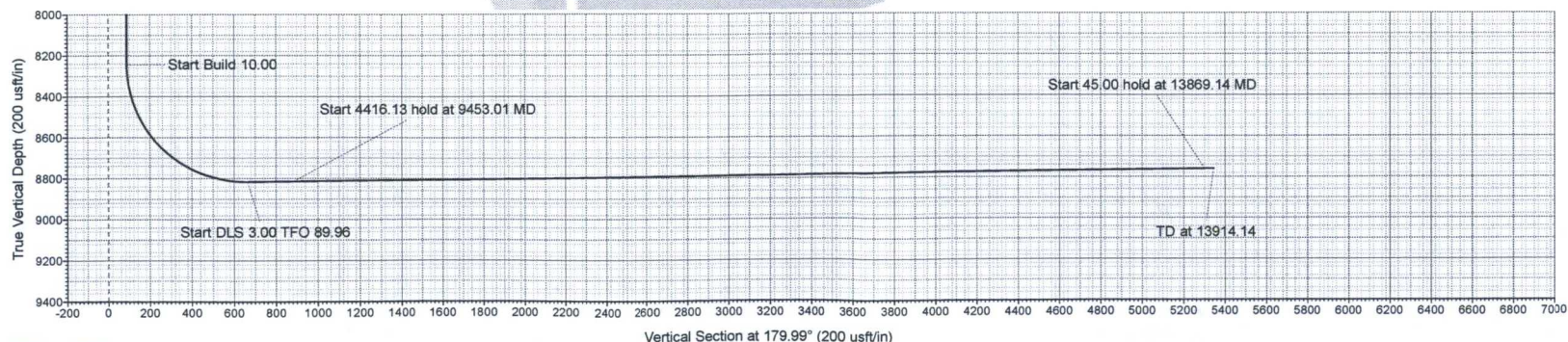
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00
3	2000.00	10.00	95.25	1997.47	-3.98	43.34	2.00	3.99
4	6975.25	10.00	95.25	6897.13	-83.02	903.66	0.00	83.18
5	7475.25	0.00	0.00	7394.59	-87.00	947.00	2.00	87.17
6	8324.65	0.00	0.00	8244.00	-87.00	947.00	0.00	87.17
7	9231.65	90.70	173.35	8816.92	-663.06	1014.16	10.00	663.23
8	9453.01	90.70	179.99	8814.21	-883.90	1027.01	3.00	884.08
9	13869.14	90.70	179.99	8760.25	-5299.70	1027.68	0.00	5299.88
10	13914.14	90.70	179.99	8759.70	-5344.70	1027.69	0.00	5344.88

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
[CatWXY#10H]FTP	0.00	-666.06	1026.51	487454.13	529369.94
[CatWXY#10H]KOP	8244.00	-87.00	947.00	488033.19	529290.43
[CatWXY#10H]LTP/BHL	8760.25	-5299.70	1027.68	482820.49	529371.11



Target Line: 8825' 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

Database:	WellPlanner1	Local Co-ordinate Reference:	Well Cat WXY #10H
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 #10H	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 #10H					
Well Position	+N/-S	0.00 usft	Northing:	488,120.19 usft	Latitude:	32.3419
	+E/-W	30.00 usft	Easting:	528,343.43 usft	Longitude:	-104.2416
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	179.99

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	13,914.14 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		

Database:	WellPlanner1	Local Co-ordinate Reference:	Well Cat WXY #10H
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 #10H	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	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	10.00	95.25	1,997.47	-3.98	43.34	2.00	2.00	0.00	95.25	
6,975.25	10.00	95.25	6,897.13	-83.02	903.66	0.00	0.00	0.00	0.00	
7,475.25	0.00	0.00	7,394.59	-87.00	947.00	2.00	-2.00	0.00	180.00	
8,324.65	0.00	0.00	8,244.00	-87.00	947.00	0.00	0.00	0.00	0.00	[CatWXY#10H]KOP
9,231.65	90.70	173.35	8,816.92	-663.06	1,014.16	10.00	10.00	0.00	173.35	
9,453.01	90.70	179.99	8,814.21	-883.90	1,027.01	3.00	0.00	3.00	89.96	
13,869.14	90.70	179.99	8,760.25	-5,299.70	1,027.68	0.00	0.00	0.00	0.00	[CatWXY#10H]LTP/BI
13,914.14	90.70	179.99	8,759.70	-5,344.70	1,027.69	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#10H]FTP										
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	10.00	95.25	1,997.47	-3.98	43.34	3.99	2.00	2.00	0.00	
6,975.25	10.00	95.25	6,897.13	-83.02	903.66	83.18	0.00	0.00	0.00	
7,475.25	0.00	0.00	7,394.59	-87.00	947.00	87.17	2.00	-2.00	0.00	
8,324.65	0.00	0.00	8,244.00	-87.00	947.00	87.17	0.00	0.00	0.00	
[CatWXY#10H]KOP										
9,231.65	90.70	173.35	8,816.92	-663.06	1,014.16	663.23	10.00	10.00	0.00	
9,453.01	90.70	179.99	8,814.21	-883.90	1,027.01	884.08	3.00	0.00	3.00	
13,869.14	90.70	179.99	8,760.25	-5,299.70	1,027.68	5,299.88	0.00	0.00	0.00	
[CatWXY#10H]LTP/BHL										
13,914.14	90.70	179.99	8,759.70	-5,344.70	1,027.69	5,344.88	0.00	0.00	0.00	