

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural ResourcesForm C-104
Revised August 1, 2011District I

811 S. First St., Artesia, NM 88210

District II

1000 Rio Brazos Rd., Aztec, NM 87410

District III

1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

¹ Operator name and Address OXY USA INC. P.O. BOX 50250 MIDLAND, TX 79710		² OGRID Number: 16696
		³ Reason for Filing Code/ Effective Date: NW - 07/31/2023
⁴ API Number 30 - 015-48589	⁵ Pool Name PURPLE SAGE WOLFCAMP	⁶ Pool Code 98220
⁷ Property Code: 331061	⁸ Property Name: NIMITZ MDP1 13-1 FEDERAL COM	⁹ Well Number: 173H

II. 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	13	24S	30E		195	SOUTH	2444	EAST	EDDY

¹¹ Bottom Hole Location

FTP- 289' FSL 2370' FEL LTP- 190' FNL 2328' FEL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B K 2	1	24S	30E		50	NORTH	2331	EAST	EDDY

¹² Lse Code F	¹³ Producing Method Code : F	¹⁴ Gas Connection Date: 8/3/23	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
237722	CENTURION PIPELINE L.P.	O
151618	ENTERPRISE FIELD SERVICES LLC	G

IV. Well Completion Data

²¹ Spud Date 01/12/23	²² Ready Date 07/31/2023	²³ TD 27094'M 11577'V	²⁴ PBTD 27049'M 11577'V	²⁵ Perforations 11541-26954'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14-3/4"	10-3/4"	780'	765		
9-7/8"	7-5/8"	10744'	2698		
6-3/4"	5-1/2"	27074'	1257		

V. Well Test Data

³¹ Date New Oil 8/4/23	³² Gas Delivery Date 8/3/23	³³ Test Date 8/11/23	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 2243
³⁷ Choke Size 40/128	³⁸ Oil 4374	³⁹ Water 11226	⁴⁰ Gas 7021		⁴¹ Test Method F

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.



Signature:

Printed name: JANA MENDIOLA

Title: SR. REGULATORY ANALYST

E-mail Address:

Janalyn_mendiola@oxy.com

Date:

09/11/2023

Phone:

432-685-5936

OIL CONSERVATION DIVISION

Approved by:

PATRICIA MARTINEZ

Title: PETROLEUM SPECIALIST

Approval Date: 10/4/2023

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

☒ AMENDED REPORT

¹ API Number 30-015-48589		² Pool Code 98220	³ Pool Name PURPLE SAGE, WOLFCAMP (GAS)	
⁴ Property Code 331061	⁵ Property Name NIMITZ MDP1 13_1 FED COM			⁶ Well Number 173H
⁷ OGRID No. 16696	⁸ Operator Name OXY USA INC.			⁹ Elevation 3475'

UL or lot no. O	Section 13	Township 24S	Range 30E	Lot Idn	Feet from the 195	North/South line SOUTH	Feet from the	East/West line EAST	County EDDY
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UL or lot no. L 2	Section 1	Township 24S	Range 30E	Lot Idn	Feet from the 50	North/South line NORTH	Feet from the 2331	East/West line EAST	County EDDY
¹² Dedicated Acres 959.90		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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.

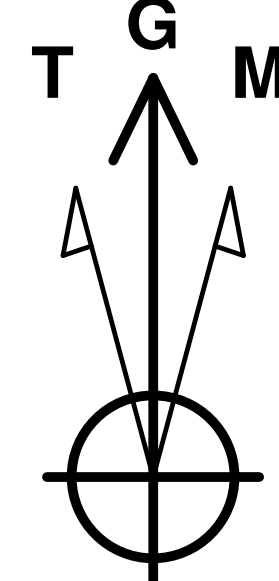
Signature: *Jana Mendiola* Date: 8/2/23
Printed Name: JANA MENDIOLA
E-mail Address: janalyn_mendiola@oxy.com

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. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by Delta Field Services.

Date of Survey: AUGUST 2, 2023
Signature and Seal of Professional Surveyor: *Lloyd P. Short*

FEDERAL LEASE ID	LENGTH
NMNM120897	2356.99'
NMNM082896	7884.65'
NMNM097133	5130.72'
TOTAL	15372.36'

SHEET 1 OF 1
JOB No. R4073_002
REV 1 MWS 8/2/2023



Occidental Petroleum Corporation

Final Plan Vs Actual

Azimuths to Grid North
True North: -0.27°
Magnetic North: 6.37°

Magnetic Field
Strength: 47519.5nT
Dip Angle: 59.88°
Date: 5/10/2023
Model: IFR

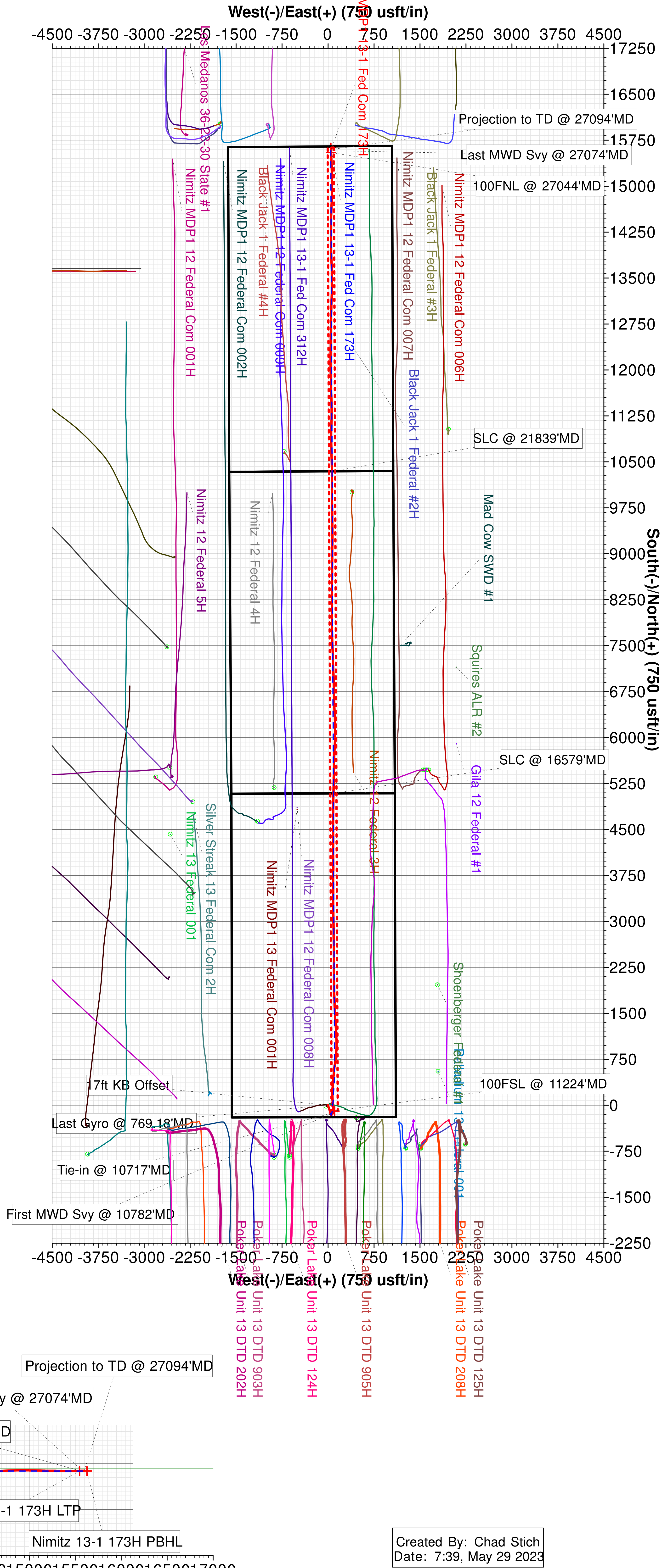
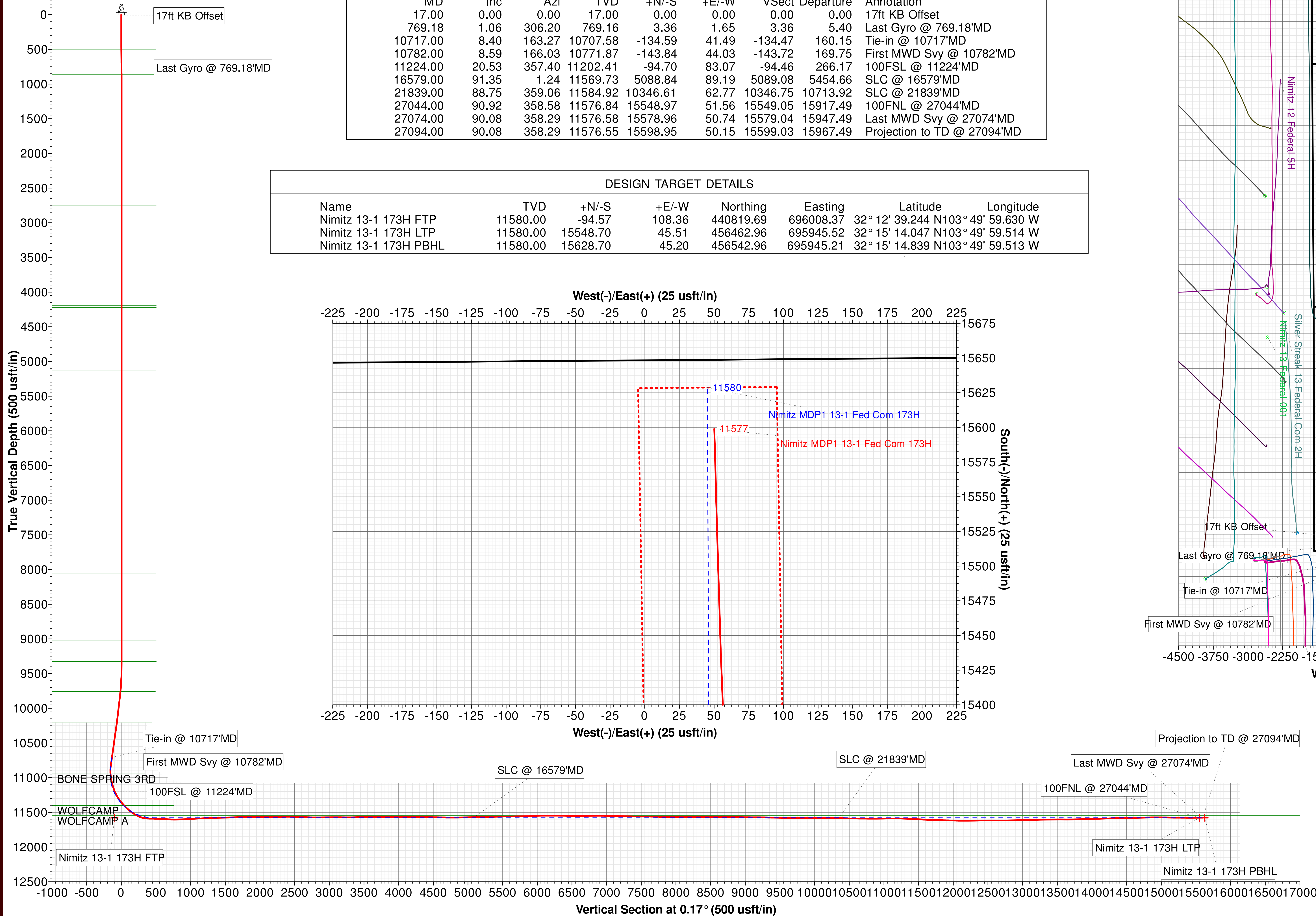
Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone

Project: Eddy County, NM (NAD83)
Site: Nimitz 13-1
Well: Nimitz MDP1 13-1 Fed Com 173H
Wellbore: OH
Design: Plan 1
Rig: H&P 479

WELL DETAILS					
		GL 3475' + RKB 25' @ 3500.00usft (H&P 479)			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	440914.26	695900.01	32° 12' 40.185 N	103° 50' 0.886 W

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
17.00	0.00	0.00	17.00	0.00	0.00	0.00	0.00	17ft KB Offset	
769.18	1.06	306.20	769.16	3.36	1.65	3.36	5.40	Last Gyro @ 769.18'MD	
10717.00	8.40	163.27	10707.58	-134.59	41.49	-134.47	160.15	Tie-in @ 10717'MD	
10782.00	8.59	166.03	10771.87	-143.84	44.03	-143.72	169.75	First MWD Svy @ 10782'MD	
11224.00	20.53	357.40	11202.41	-94.70	83.07	-94.46	266.17	100FSL @ 11224'MD	
16579.00	91.35	1.24	11569.73	5088.84	89.19	5089.08	5454.66	SLC @ 16579'MD	
21839.00	88.75	359.06	11584.92	10346.61	62.77	10346.75	10713.92	SLC @ 21839'MD	
27044.00	90.92	358.58	11576.84	15548.97	51.56	15549.05	15917.49	100FNL @ 27044'MD	
27074.00	90.08	358.29	11576.58	15578.96	50.74	15579.04	15947.49	Last MWD Svy @ 27074'MD	
27094.00	90.08	358.29	11576.55	15598.95	50.15	15599.03	15967.49	Projection to TD @ 27094'MD	

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
Nimitz 13-1 173H FTP	11580.00	-94.57	108.36	440819.69	696008.37	32° 12' 39.244 N	103° 49' 59.630 W		
Nimitz 13-1 173H LTP	11580.00	15548.70	45.51	456462.96	695945.52	32° 15' 14.047 N	103° 49' 59.514 W		
Nimitz 13-1 173H PBHL	11580.00	15628.70	45.20	456542.96	695945.21	32° 15' 14.839 N	103° 49' 59.513 W		



Created By: Chad Stich
Date: 7:39, May 29 2023

H&P 479

Occidental Petroleum Corporation

Eddy County, NM (NAD83) Nimitz 13-1

API#

Nimitz MDP1 13-1 Fed Com 173H

OH

Design: Final Surveys

Sperry Drilling Services

Combo Report

29 May, 2023

Well Coordinates: 32° 12' 40.185 N
103° 50' 0.886 W

North American Datum 1983
New Mexico Eastern Zone
440,914.26 N
695,900.01 E

Ground Level: 3,475.00 usft

Local Coordinate Origin:

Centered on Well Nimitz MDP1 13-1 Fed Com 173H

Viewing Datum:

GL 3475' + RKB 25' @ 3500.00usft (H&P 479)

TVDs to System:

N

North Reference:

Grid

Unit System:

API-US Survey Feet

Compass Version: 5000.15 Build: 91E

Report Version: Midcon Combo v1.15

HALLIBURTON

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 173H - Final Surveys**

Measured		Grid	Vertical	Local Coordinates		Map Coordinates		Dogleg	Vertical	Toolface	
Depth	Inclination	Azimuth	Depth	Northing	Easting	Northing	Easting	Rate	Section	Angle	Comments
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	(°/100ft)	(usft)	(°)	
0.00	0.00	0.00	0.00	0.00 N	0.00 E	440,914.26	695,900.01	0.00	0.00	0.00	
17.00	0.00	0.00	17.00	0.00 N	0.00 E	440,914.26	695,900.01	0.00	0.00	0.00	17ft KB Offset
107.93	0.35	78.38	107.93	0.06 N	0.27 E	440,914.32	695,900.28	0.38	0.06	78.38	
191.99	0.42	69.29	191.99	0.22 N	0.81 E	440,914.48	695,900.82	0.11	0.22	-45.71	
276.02	0.31	64.39	276.02	0.42 N	1.30 E	440,914.68	695,901.31	0.14	0.43	-166.60	
370.90	0.16	93.32	370.90	0.53 N	1.67 E	440,914.79	695,901.68	0.20	0.53	155.52	
465.03	0.44	47.27	465.02	0.76 N	2.07 E	440,915.02	695,902.08	0.37	0.77	-65.35	
559.31	0.50	26.68	559.30	1.38 N	2.52 E	440,915.64	695,902.53	0.19	1.39	-80.93	
653.51	0.51	337.59	653.50	2.13 N	2.54 E	440,916.39	695,902.55	0.45	2.14	-113.30	
747.81	0.91	321.73	747.79	3.11 N	1.92 E	440,917.37	695,901.93	0.47	3.11	-34.24	
769.18	1.06	306.20	769.16	3.36 N	1.65 E	440,917.62	695,901.66	1.43	3.36	-68.58	Last Gyro @ 769.18'MD
923.00	0.68	274.06	922.96	4.26 N	0.41 W	440,918.52	695,899.60	0.39	4.26	-143.24	
1,016.00	0.05	175.79	1,015.96	4.26 N	0.95 W	440,918.52	695,899.06	0.74	4.26	-175.88	
1,110.00	0.04	98.47	1,109.96	4.22 N	0.92 W	440,918.48	695,899.09	0.06	4.21	-136.57	
1,204.00	0.03	258.06	1,203.96	4.21 N	0.91 W	440,918.47	695,899.10	0.07	4.20	171.27	
1,297.00	0.04	109.78	1,296.96	4.19 N	0.90 W	440,918.45	695,899.11	0.07	4.19	-161.82	
1,389.00	0.04	243.61	1,388.96	4.17 N	0.90 W	440,918.43	695,899.11	0.08	4.16	156.91	
1,484.00	0.04	31.76	1,483.96	4.18 N	0.91 W	440,918.44	695,899.10	0.08	4.18	164.07	
1,579.00	0.04	292.03	1,578.96	4.22 N	0.93 W	440,918.48	695,899.08	0.06	4.22	-139.86	
1,674.00	0.02	26.25	1,673.96	4.25 N	0.95 W	440,918.51	695,899.06	0.05	4.24	154.31	
1,769.00	0.03	52.03	1,768.96	4.28 N	0.92 W	440,918.54	695,899.09	0.02	4.27	61.74	
1,864.00	0.01	108.55	1,863.96	4.29 N	0.90 W	440,918.55	695,899.11	0.03	4.29	161.19	
1,959.00	0.04	350.10	1,958.96	4.32 N	0.89 W	440,918.58	695,899.12	0.05	4.32	-129.56	
2,053.00	0.02	94.94	2,052.96	4.35 N	0.88 W	440,918.61	695,899.13	0.05	4.35	156.81	
2,148.00	0.02	83.56	2,147.96	4.35 N	0.85 W	440,918.61	695,899.16	0.00	4.35	-95.69	
2,243.00	0.04	80.23	2,242.96	4.36 N	0.80 W	440,918.62	695,899.21	0.02	4.36	-6.65	
2,338.00	0.04	37.72	2,337.96	4.39 N	0.75 W	440,918.65	695,899.26	0.03	4.39	-111.25	
2,433.00	0.03	286.95	2,432.96	4.42 N	0.75 W	440,918.68	695,899.26	0.06	4.42	-151.02	
2,528.00	0.01	113.49	2,527.96	4.43 N	0.77 W	440,918.69	695,899.24	0.04	4.43	-178.37	
2,622.00	0.02	359.37	2,621.96	4.44 N	0.76 W	440,918.70	695,899.25	0.03	4.44	-134.87	
2,717.00	0.05	24.08	2,716.96	4.50 N	0.74 W	440,918.76	695,899.27	0.03	4.49	39.43	
2,812.00	0.07	93.19	2,811.96	4.53 N	0.67 W	440,918.79	695,899.34	0.07	4.53	110.95	
2,907.00	0.03	83.04	2,906.96	4.53 N	0.59 W	440,918.79	695,899.42	0.04	4.53	-172.56	
3,002.00	0.02	88.11	3,001.96	4.53 N	0.55 W	440,918.79	695,899.46	0.01	4.53	170.05	
3,097.00	0.03	71.25	3,096.96	4.54 N	0.51 W	440,918.80	695,899.50	0.01	4.54	-44.97	
3,192.00	0.05	69.36	3,191.96	4.56 N	0.44 W	440,918.82	695,899.57	0.02	4.56	-4.72	

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 173H - Final Surveys**

Measured		Grid	Vertical	Local Coordinates		Map Coordinates		Dogleg	Vertical	Toolface	Comments
Depth	Inclination	Azimuth	Depth	Northing	Easting	Northing	Easting	Rate	Section	Angle	
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	(°/100ft)	(usft)	(°)	
3,287.00	0.08	86.86	3,286.96	4.58 N	0.34 W	440,918.84	695,899.67	0.04	4.58	42.45	
3,382.00	0.26	65.95	3,381.96	4.67 N	0.07 W	440,918.93	695,899.94	0.20	4.67	-29.67	
3,477.00	0.03	26.74	3,476.96	4.78 N	0.13 E	440,919.04	695,900.14	0.25	4.78	-175.42	
3,572.00	0.00	237.73	3,571.96	4.81 N	0.14 E	440,919.07	695,900.15	0.03	4.81	-180.00	
3,667.00	0.03	325.65	3,666.96	4.83 N	0.13 E	440,919.09	695,900.14	0.03	4.83	325.65	
3,762.00	0.04	97.46	3,761.96	4.84 N	0.15 E	440,919.10	695,900.16	0.07	4.84	152.25	
3,857.00	0.05	228.11	3,856.96	4.81 N	0.15 E	440,919.07	695,900.16	0.09	4.81	152.40	
3,952.00	0.02	230.56	3,951.96	4.77 N	0.11 E	440,919.03	695,900.12	0.03	4.77	178.37	
4,047.00	0.06	125.64	4,046.96	4.73 N	0.14 E	440,918.99	695,900.15	0.07	4.73	-121.44	
4,142.00	0.03	70.83	4,141.96	4.71 N	0.20 E	440,918.97	695,900.21	0.05	4.71	-150.14	
4,237.00	0.04	133.48	4,236.96	4.70 N	0.25 E	440,918.96	695,900.26	0.04	4.70	108.12	
4,332.00	0.03	21.71	4,331.96	4.70 N	0.28 E	440,918.96	695,900.29	0.06	4.70	-151.41	
4,427.00	0.02	30.14	4,426.96	4.74 N	0.30 E	440,919.00	695,900.31	0.01	4.74	163.99	
4,522.00	0.01	271.19	4,521.96	4.75 N	0.30 E	440,919.01	695,900.31	0.03	4.75	-160.59	
4,616.00	0.03	92.16	4,615.96	4.75 N	0.31 E	440,919.01	695,900.32	0.04	4.75	-179.27	
4,711.00	0.04	22.11	4,710.96	4.78 N	0.35 E	440,919.04	695,900.36	0.04	4.78	-113.50	
4,807.00	0.03	45.32	4,806.96	4.83 N	0.38 E	440,919.09	695,900.39	0.02	4.83	136.43	
4,902.00	0.03	133.02	4,901.96	4.83 N	0.42 E	440,919.09	695,900.43	0.04	4.83	133.85	
4,997.00	0.07	234.11	4,996.96	4.78 N	0.39 E	440,919.04	695,900.40	0.09	4.78	122.32	
5,092.00	0.04	48.56	5,091.96	4.77 N	0.37 E	440,919.03	695,900.38	0.12	4.77	177.98	
5,187.00	0.04	88.36	5,186.96	4.79 N	0.42 E	440,919.05	695,900.43	0.03	4.79	109.90	
5,282.00	0.05	178.42	5,281.96	4.75 N	0.46 E	440,919.01	695,900.47	0.07	4.75	128.70	
5,377.00	0.03	200.81	5,376.96	4.68 N	0.45 E	440,918.94	695,900.46	0.03	4.68	152.83	
5,472.00	0.01	161.91	5,471.96	4.65 N	0.44 E	440,918.91	695,900.45	0.02	4.65	-164.22	
5,567.00	0.05	116.45	5,566.96	4.63 N	0.48 E	440,918.89	695,900.49	0.05	4.63	-54.87	
5,662.00	0.03	245.97	5,661.96	4.60 N	0.50 E	440,918.86	695,900.51	0.08	4.60	161.48	
5,757.00	0.02	5.26	5,756.96	4.60 N	0.48 E	440,918.86	695,900.49	0.05	4.60	156.33	
5,851.00	0.04	240.11	5,850.96	4.60 N	0.45 E	440,918.86	695,900.46	0.06	4.60	-142.76	
5,946.00	0.01	169.48	5,945.96	4.58 N	0.42 E	440,918.84	695,900.43	0.04	4.58	-165.58	
6,041.00	0.04	235.42	6,040.96	4.55 N	0.40 E	440,918.81	695,900.41	0.04	4.55	80.20	
6,231.00	0.04	283.42	6,230.96	4.53 N	0.28 E	440,918.79	695,900.29	0.02	4.53	114.00	
6,326.00	0.02	79.54	6,325.96	4.54 N	0.26 E	440,918.80	695,900.27	0.06	4.54	172.09	
6,421.00	0.02	121.34	6,420.96	4.53 N	0.29 E	440,918.79	695,900.30	0.02	4.54	110.90	
6,516.00	0.03	290.72	6,515.96	4.53 N	0.28 E	440,918.79	695,900.29	0.05	4.54	173.63	
6,611.00	0.03	289.32	6,610.96	4.55 N	0.24 E	440,918.81	695,900.25	0.00	4.55	-90.70	
6,706.00	0.03	315.90	6,705.96	4.58 N	0.20 E	440,918.84	695,900.21	0.01	4.58	103.29	
6,800.00	0.02	164.57	6,799.96	4.58 N	0.18 E	440,918.84	695,900.19	0.05	4.58	-168.59	

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 173H - Final Surveys**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
6,895.00	0.02	89.28	6,894.96	4.56 N	0.20 E	440,918.82	695,900.21	0.03	4.56	-127.64	
6,990.00	0.04	155.66	6,989.96	4.53 N	0.24 E	440,918.79	695,900.25	0.04	4.53	96.19	
7,085.00	0.04	156.56	7,084.96	4.47 N	0.26 E	440,918.73	695,900.27	0.00	4.47	90.45	
7,180.00	0.06	239.70	7,179.96	4.42 N	0.23 E	440,918.68	695,900.24	0.07	4.42	118.86	
7,275.00	0.03	18.32	7,274.96	4.42 N	0.20 E	440,918.68	695,900.21	0.09	4.42	166.49	
7,369.00	0.04	15.96	7,368.96	4.47 N	0.21 E	440,918.73	695,900.22	0.01	4.47	-9.38	
7,464.00	0.01	349.77	7,463.96	4.51 N	0.22 E	440,918.77	695,900.23	0.03	4.51	-171.90	
7,559.00	0.02	299.98	7,558.96	4.53 N	0.21 E	440,918.79	695,900.22	0.02	4.53	-79.21	
7,654.00	0.01	172.54	7,653.96	4.53 N	0.19 E	440,918.79	695,900.20	0.03	4.53	-163.07	
7,749.00	0.02	44.03	7,748.96	4.53 N	0.20 E	440,918.79	695,900.21	0.03	4.53	-145.12	
7,844.00	0.02	7.73	7,843.96	4.56 N	0.22 E	440,918.82	695,900.23	0.01	4.56	-108.15	
7,938.00	0.04	269.52	7,937.96	4.58 N	0.19 E	440,918.84	695,900.20	0.05	4.58	-123.00	
8,033.00	0.06	228.15	8,032.96	4.54 N	0.12 E	440,918.80	695,900.13	0.04	4.54	-82.77	
8,128.00	0.06	264.57	8,127.96	4.50 N	0.03 E	440,918.76	695,900.04	0.04	4.50	108.21	
8,223.00	0.04	204.42	8,222.96	4.47 N	0.03 W	440,918.73	695,899.98	0.06	4.47	-139.13	
8,318.00	0.01	110.78	8,317.96	4.44 N	0.04 W	440,918.70	695,899.97	0.04	4.44	-166.20	
8,413.00	0.03	319.25	8,412.96	4.45 N	0.05 W	440,918.71	695,899.96	0.04	4.45	-158.54	
8,508.00	0.05	198.51	8,507.96	4.43 N	0.08 W	440,918.69	695,899.93	0.07	4.43	-142.28	
8,602.00	0.04	322.76	8,601.96	4.42 N	0.11 W	440,918.68	695,899.90	0.08	4.42	155.49	
8,697.00	0.05	229.96	8,696.96	4.42 N	0.16 W	440,918.68	695,899.85	0.07	4.42	-130.36	
8,792.00	0.08	239.43	8,791.96	4.36 N	0.25 W	440,918.62	695,899.76	0.03	4.36	24.48	
8,887.00	0.05	4.45	8,886.96	4.37 N	0.30 W	440,918.63	695,899.71	0.12	4.37	159.36	
8,982.00	0.04	51.41	8,981.96	4.43 N	0.27 W	440,918.69	695,899.74	0.04	4.43	127.83	
9,076.00	0.04	59.50	9,075.96	4.47 N	0.22 W	440,918.73	695,899.79	0.01	4.46	94.04	
9,171.00	0.02	23.20	9,170.96	4.50 N	0.19 W	440,918.76	695,899.82	0.03	4.50	-153.63	
9,266.00	0.03	282.81	9,265.96	4.52 N	0.20 W	440,918.78	695,899.81	0.04	4.52	-130.73	
9,361.00	0.07	149.52	9,360.96	4.47 N	0.20 W	440,918.73	695,899.81	0.10	4.47	-146.85	
9,456.00	0.79	195.57	9,455.95	3.79 N	0.34 W	440,918.05	695,899.67	0.78	3.79	49.94	
9,551.00	1.80	194.98	9,550.93	1.72 N	0.91 W	440,915.98	695,899.10	1.06	1.72	-1.05	
9,646.00	3.79	177.00	9,645.81	2.86 S	1.13 W	440,911.40	695,898.88	2.26	-2.86	-32.93	
9,741.00	5.67	162.44	9,740.49	10.47 S	0.45 E	440,903.79	695,900.46	2.33	-10.47	-39.96	
9,836.00	7.13	154.94	9,834.89	20.28 S	4.37 E	440,893.98	695,904.38	1.77	-20.27	-33.56	
9,931.00	7.37	154.61	9,929.13	31.13 S	9.48 E	440,883.13	695,909.49	0.26	-31.10	-10.01	
10,026.00	7.09	158.74	10,023.38	42.10 S	14.22 E	440,872.16	695,914.23	0.62	-42.06	120.35	
10,121.00	7.45	159.95	10,117.61	53.35 S	18.45 E	440,860.91	695,918.46	0.41	-53.29	23.64	
10,216.00	7.43	161.90	10,211.82	64.97 S	22.47 E	440,849.29	695,922.48	0.27	-64.91	95.50	
10,311.00	8.36	169.07	10,305.92	77.59 S	25.69 E	440,836.67	695,925.70	1.42	-77.52	50.23	

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 173H - Final Surveys**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
10,406.00	8.41	166.79	10,399.90	91.13 S	28.59 E	440,823.13	695,928.60	0.35	-91.05	-82.58	
10,501.00	8.34	162.29	10,493.89	104.46 S	32.27 E	440,809.80	695,932.28	0.69	-104.37	-98.32	
10,596.00	8.35	162.54	10,587.88	117.61 S	36.44 E	440,796.65	695,936.45	0.04	-117.50	74.72	
10,691.00	8.48	164.14	10,681.86	130.92 S	40.42 E	440,783.34	695,940.43	0.28	-130.81	61.75	
10,717.00	8.40	163.27	10,707.58	134.59 S	41.49 E	440,779.67	695,941.50	0.58	-134.47	-122.50	Tie-in @ 10717'MD
10,744.00	8.48	164.43	10,734.29	138.39 S	42.59 E	440,775.87	695,942.60	0.69	-138.27	66.38	7 5/8" Casing
10,782.00	8.59	166.03	10,771.87	143.84 S	44.03 E	440,770.42	695,944.04	0.69	-143.72	65.23	First MWD Svy @ 10782'MD
10,845.00	7.44	167.66	10,834.25	152.39 S	46.04 E	440,761.87	695,946.05	1.86	-152.26	169.63	
10,940.00	8.45	81.06	10,928.62	157.33 S	54.27 E	440,756.93	695,954.28	11.48	-157.18	-129.15	
11,035.00	13.42	37.21	11,022.01	147.45 S	67.86 E	440,766.81	695,967.87	9.84	-147.25	-81.99	
11,129.00	17.81	18.86	11,112.58	125.13 S	79.12 E	440,789.13	695,979.13	6.98	-124.90	-57.47	
11,224.00	20.53	357.40	11,202.41	94.70 S	83.07 E	440,819.56	695,983.08	7.90	-94.46	-79.27	100FSL @ 11224'MD
11,319.00	33.63	358.42	11,286.81	51.57 S	81.58 E	440,862.69	695,981.59	13.80	-51.34	2.49	
11,414.00	41.25	355.83	11,362.19	6.05 N	78.57 E	440,920.31	695,978.58	8.19	6.28	-12.72	
11,508.00	44.93	356.63	11,430.83	70.12 N	74.37 E	440,984.38	695,974.38	3.96	70.33	8.74	
11,603.00	53.76	0.35	11,492.67	142.07 N	72.62 E	441,056.33	695,972.63	9.75	142.28	18.96	
11,698.00	60.67	359.87	11,544.08	221.89 N	72.76 E	441,136.15	695,972.77	7.29	222.10	-3.47	
11,793.00	76.36	3.83	11,578.78	309.94 N	75.77 E	441,224.20	695,975.78	16.96	310.16	13.99	
11,888.00	89.42	4.83	11,590.51	403.73 N	82.89 E	441,317.99	695,982.90	13.79	403.97	4.42	
11,951.00	88.84	5.70	11,591.47	466.46 N	88.67 E	441,380.72	695,988.68	1.66	466.71	123.70	
12,070.00	88.02	5.35	11,594.73	584.86 N	100.12 E	441,499.12	696,000.13	0.75	585.15	-156.90	
12,146.00	85.52	8.59	11,599.01	660.16 N	109.32 E	441,574.42	696,009.33	5.38	660.48	127.78	
12,165.00	85.32	9.04	11,600.53	678.88 N	112.23 E	441,593.14	696,012.24	2.58	679.20	114.05	
12,260.00	90.40	7.00	11,604.08	772.85 N	125.46 E	441,687.11	696,025.47	5.76	773.21	-21.91	
12,355.00	92.38	4.03	11,601.77	867.37 N	134.59 E	441,781.63	696,034.60	3.76	867.75	-56.27	
12,450.00	93.38	1.13	11,597.00	962.14 N	138.86 E	441,876.40	696,038.87	3.23	962.54	-70.88	
12,544.00	92.76	358.20	11,591.96	1,055.99 N	138.31 E	441,970.25	696,038.32	3.18	1,056.39	-101.88	
12,639.00	92.42	356.23	11,587.67	1,150.78 N	133.70 E	442,065.04	696,033.71	2.10	1,151.16	-99.76	
12,734.00	92.44	356.48	11,583.64	1,245.50 N	127.67 E	442,159.76	696,027.68	0.26	1,245.86	85.42	
12,829.00	91.76	356.78	11,580.16	1,340.27 N	122.09 E	442,254.53	696,022.10	0.78	1,340.62	156.20	
12,924.00	91.35	356.51	11,577.58	1,435.07 N	116.53 E	442,349.33	696,016.54	0.52	1,435.40	-146.64	
13,019.00	91.60	356.74	11,575.14	1,529.88 N	110.94 E	442,444.14	696,010.95	0.36	1,530.19	42.60	
13,114.00	92.40	358.96	11,571.82	1,624.75 N	107.38 E	442,539.01	696,007.39	2.48	1,625.05	70.14	
13,208.00	91.29	358.36	11,568.79	1,718.67 N	105.18 E	442,632.93	696,005.19	1.34	1,718.97	-151.61	
13,303.00	90.46	358.60	11,567.34	1,813.62 N	102.66 E	442,727.88	696,002.67	0.91	1,813.91	163.87	
13,398.00	91.41	358.95	11,565.79	1,908.59 N	100.63 E	442,822.85	696,000.64	1.07	1,908.87	20.22	

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 173H - Final Surveys**

Measured		Grid	Vertical	Local Coordinates		Map Coordinates		Dogleg	Vertical	Toolface	Comments
Depth (usft)	Inclination (°)	Azimuth (°)	Depth (usft)	Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)	Rate (°/100ft)	Section (usft)	Angle (°)	
13,492.00	90.71	359.25	11,564.05	2,002.56 N	99.15 E	442,916.82	695,999.16	0.81	2,002.84	156.80	
13,587.00	89.39	358.99	11,563.97	2,097.55 N	97.69 E	443,011.81	695,997.70	1.42	2,097.82	-168.86	
13,681.00	90.24	359.74	11,564.27	2,191.54 N	96.65 E	443,105.80	695,996.66	1.21	2,191.81	41.43	
13,776.00	90.64	359.83	11,563.55	2,286.54 N	96.29 E	443,200.80	695,996.30	0.43	2,286.80	12.68	
13,870.00	90.62	0.77	11,562.51	2,380.53 N	96.79 E	443,294.79	695,996.80	1.00	2,380.80	91.21	
13,965.00	88.72	359.17	11,563.06	2,475.52 N	96.74 E	443,389.78	695,996.75	2.61	2,475.79	-139.90	
14,060.00	88.17	359.45	11,565.64	2,570.48 N	95.59 E	443,484.74	695,995.60	0.65	2,570.74	153.03	
14,155.00	86.93	358.02	11,569.70	2,665.36 N	93.50 E	443,579.62	695,993.51	1.99	2,665.62	-130.98	
14,249.00	88.90	359.31	11,573.12	2,759.27 N	91.31 E	443,673.53	695,991.32	2.50	2,759.52	33.23	
14,344.00	90.76	359.82	11,573.40	2,854.26 N	90.59 E	443,768.52	695,990.60	2.03	2,854.51	15.33	
14,438.00	90.98	359.11	11,571.97	2,948.24 N	89.71 E	443,862.50	695,989.72	0.79	2,948.49	-72.78	
14,533.00	90.34	359.39	11,570.88	3,043.23 N	88.47 E	443,957.49	695,988.48	0.74	3,043.47	156.37	
14,627.00	89.28	359.12	11,571.19	3,137.22 N	87.25 E	444,051.48	695,987.26	1.16	3,137.46	-165.71	
14,722.00	89.58	358.98	11,572.13	3,232.20 N	85.67 E	444,146.46	695,985.68	0.35	3,232.44	-25.02	
14,816.00	90.51	359.92	11,572.06	3,326.19 N	84.77 E	444,240.45	695,984.78	1.41	3,326.43	45.31	
14,911.00	92.63	0.96	11,569.46	3,421.15 N	85.50 E	444,335.41	695,985.51	2.49	3,421.38	26.11	
15,005.00	90.06	359.54	11,567.25	3,515.11 N	85.91 E	444,429.37	695,985.92	3.12	3,515.35	-151.06	
15,100.00	89.73	359.40	11,567.43	3,610.11 N	85.03 E	444,524.37	695,985.04	0.38	3,610.34	-157.01	
15,195.00	90.56	359.86	11,567.19	3,705.10 N	84.41 E	444,619.36	695,984.42	1.00	3,705.33	29.00	
15,290.00	90.82	1.37	11,566.04	3,800.09 N	85.43 E	444,714.35	695,985.44	1.61	3,800.32	80.22	
15,384.00	90.21	0.34	11,565.20	3,894.07 N	86.84 E	444,808.33	695,986.85	1.27	3,894.31	-120.63	
15,479.00	88.15	358.91	11,566.56	3,989.05 N	86.22 E	444,903.31	695,986.23	2.64	3,989.29	-145.24	
15,574.00	89.40	359.20	11,568.59	4,084.02 N	84.65 E	444,998.28	695,984.66	1.35	4,084.25	13.06	
15,668.00	89.70	0.77	11,569.33	4,178.01 N	84.62 E	445,092.27	695,984.63	1.70	4,178.24	79.19	
15,763.00	90.42	0.32	11,569.23	4,273.01 N	85.53 E	445,187.27	695,985.54	0.89	4,273.24	-32.01	
15,857.00	90.34	359.78	11,568.60	4,367.00 N	85.61 E	445,281.26	695,985.62	0.58	4,367.23	-98.43	
15,950.00	88.59	359.65	11,569.47	4,460.00 N	85.15 E	445,374.26	695,985.16	1.89	4,460.22	-175.75	
16,043.00	89.03	359.97	11,571.40	4,552.97 N	84.84 E	445,467.23	695,984.85	0.58	4,553.20	36.02	
16,137.00	88.33	359.90	11,573.57	4,646.95 N	84.73 E	445,561.21	695,984.74	0.75	4,647.17	-174.29	
16,231.00	89.62	0.30	11,575.25	4,740.93 N	84.90 E	445,655.19	695,984.91	1.44	4,741.16	17.23	
16,324.00	90.91	0.51	11,574.82	4,833.93 N	85.55 E	445,748.19	695,985.56	1.41	4,834.15	9.25	
16,417.00	90.93	0.49	11,573.33	4,926.91 N	86.37 E	445,841.17	695,986.38	0.03	4,927.14	-45.00	
16,511.00	91.44	1.19	11,571.38	5,020.88 N	87.74 E	445,935.14	695,987.75	0.92	5,021.11	53.91	
16,579.00	91.35	1.24	11,569.73	5,088.84 N	89.19 E	446,003.10	695,989.20	0.16	5,089.08	151.71	SLC @ 16579'MD
16,605.00	91.31	1.26	11,569.13	5,114.83 N	89.75 E	446,029.09	695,989.76	0.16	5,115.07	151.71	
16,700.00	90.91	0.78	11,567.29	5,209.80 N	91.44 E	446,124.06	695,991.45	0.66	5,210.04	-129.81	
16,794.00	91.42	0.33	11,565.37	5,303.77 N	92.35 E	446,218.03	695,992.36	0.72	5,304.02	-41.41	

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 173H - Final Surveys**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
16,889.00	91.45	1.61	11,563.00	5,398.73 N	93.96 E	446,312.99	695,993.97	1.35	5,398.98	88.64	
16,984.00	91.33	1.07	11,560.69	5,493.67 N	96.18 E	446,407.93	695,996.19	0.58	5,493.93	-102.53	
17,079.00	89.82	1.22	11,559.74	5,588.65 N	98.08 E	446,502.91	695,998.09	1.60	5,588.91	174.33	
17,174.00	91.17	2.67	11,558.92	5,683.58 N	101.30 E	446,597.84	696,001.31	2.09	5,683.85	47.04	
17,269.00	90.27	1.69	11,557.72	5,778.51 N	104.92 E	446,692.77	696,004.93	1.40	5,778.78	-132.56	
17,363.00	92.21	2.81	11,555.69	5,872.40 N	108.61 E	446,786.66	696,008.62	2.38	5,872.69	29.98	
17,484.00	93.31	2.95	11,549.86	5,993.11 N	114.68 E	446,907.37	696,014.69	0.92	5,993.42	7.24	
17,556.00	90.56	0.16	11,547.43	6,065.03 N	116.63 E	446,979.29	696,016.64	5.44	6,065.34	-134.55	
17,651.00	89.75	358.20	11,547.17	6,160.01 N	115.27 E	447,074.27	696,015.28	2.23	6,160.32	-112.45	
17,746.00	89.89	358.06	11,547.47	6,254.96 N	112.17 E	447,169.22	696,012.18	0.21	6,255.26	-45.00	
17,841.00	89.09	358.08	11,548.32	6,349.90 N	108.97 E	447,264.16	696,008.98	0.84	6,350.19	178.57	
17,936.00	88.89	357.68	11,549.99	6,444.82 N	105.46 E	447,359.08	696,005.47	0.47	6,445.10	-116.57	
18,031.00	89.59	358.45	11,551.25	6,539.76 N	102.25 E	447,454.02	696,002.26	1.10	6,540.03	47.73	
18,125.00	90.49	357.99	11,551.19	6,633.71 N	99.33 E	447,547.97	695,999.34	1.08	6,633.97	-27.07	
18,315.00	90.69	359.09	11,549.23	6,823.64 N	94.49 E	447,737.90	695,994.50	0.59	6,823.88	79.69	
18,410.00	89.64	358.41	11,548.96	6,918.61 N	92.42 E	447,832.87	695,992.43	1.32	6,918.85	-147.07	
18,505.00	88.34	357.79	11,550.63	7,013.54 N	89.27 E	447,927.80	695,989.28	1.52	7,013.77	-154.51	
18,599.00	88.97	358.35	11,552.84	7,107.46 N	86.10 E	448,021.72	695,986.11	0.90	7,107.68	41.63	
18,694.00	88.13	357.36	11,555.24	7,202.36 N	82.55 E	448,116.62	695,982.56	1.37	7,202.57	-130.33	
18,788.00	89.04	358.02	11,557.56	7,296.26 N	78.76 E	448,210.52	695,978.77	1.20	7,296.46	35.95	
18,978.00	89.17	357.85	11,560.53	7,486.11 N	71.92 E	448,400.37	695,971.93	0.11	7,486.29	-52.59	
19,073.00	89.90	359.74	11,561.30	7,581.08 N	69.92 E	448,495.34	695,969.93	2.13	7,581.25	68.89	
19,262.00	88.93	358.06	11,563.23	7,770.03 N	66.29 E	448,684.29	695,966.30	1.03	7,770.19	-120.01	
19,357.00	89.02	358.14	11,564.93	7,864.96 N	63.14 E	448,779.22	695,963.15	0.13	7,865.11	41.63	
19,452.00	90.32	1.15	11,565.48	7,959.95 N	62.55 E	448,874.21	695,962.56	3.45	7,960.09	66.65	
19,546.00	90.36	1.46	11,564.92	8,053.92 N	64.69 E	448,968.18	695,964.70	0.33	8,054.07	82.65	
19,641.00	89.84	359.75	11,564.75	8,148.91 N	65.70 E	449,063.17	695,965.71	1.88	8,149.07	-106.91	
19,736.00	89.54	359.78	11,565.27	8,243.91 N	65.31 E	449,158.17	695,965.32	0.32	8,244.06	174.29	
19,830.00	89.57	0.62	11,566.00	8,337.90 N	65.64 E	449,252.16	695,965.65	0.89	8,338.06	87.96	
19,924.00	89.30	0.27	11,566.93	8,431.90 N	66.37 E	449,346.16	695,966.38	0.47	8,432.05	-127.65	
20,019.00	90.40	0.69	11,567.17	8,526.89 N	67.16 E	449,441.15	695,967.17	1.24	8,527.05	20.90	
20,114.00	89.40	0.40	11,567.34	8,621.88 N	68.06 E	449,536.14	695,968.07	1.10	8,622.05	-163.83	
20,208.00	89.69	359.74	11,568.09	8,715.88 N	68.18 E	449,630.14	695,968.19	0.77	8,716.04	-66.28	
20,303.00	89.93	1.01	11,568.40	8,810.88 N	68.80 E	449,725.14	695,968.81	1.36	8,811.04	79.30	
20,398.00	89.11	0.22	11,569.20	8,905.87 N	69.82 E	449,820.13	695,969.83	1.20	8,906.03	-136.07	
20,492.00	89.07	359.80	11,570.69	8,999.85 N	69.84 E	449,914.11	695,969.85	0.45	9,000.02	-95.44	
20,587.00	89.79	0.59	11,571.64	9,094.85 N	70.16 E	450,009.11	695,970.17	1.13	9,095.01	47.66	

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 173H - Final Surveys**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
20,682.00	89.96	1.19	11,571.84	9,189.83 N	71.64 E	450,104.09	695,971.65	0.66	9,190.00	74.18	
20,777.00	88.34	0.05	11,573.25	9,284.81 N	72.66 E	450,199.07	695,972.67	2.09	9,284.99	-144.88	
20,871.00	88.85	359.27	11,575.56	9,378.78 N	72.11 E	450,293.04	695,972.12	0.99	9,378.95	-56.82	
20,966.00	88.59	359.15	11,577.68	9,473.75 N	70.80 E	450,388.01	695,970.81	0.30	9,473.92	-155.23	
21,061.00	88.44	359.98	11,580.14	9,568.71 N	70.08 E	450,482.97	695,970.09	0.89	9,568.88	100.26	
21,156.00	89.48	359.20	11,581.87	9,663.69 N	69.40 E	450,577.95	695,969.41	1.37	9,663.86	-36.87	
21,250.00	89.40	359.21	11,582.78	9,757.68 N	68.09 E	450,671.94	695,968.10	0.09	9,757.84	172.88	
21,345.00	90.46	0.02	11,582.90	9,852.68 N	67.45 E	450,766.94	695,967.46	1.40	9,852.83	37.39	
21,440.00	90.80	359.90	11,581.86	9,947.67 N	67.39 E	450,861.93	695,967.40	0.38	9,947.82	-19.44	
21,535.00	89.71	358.96	11,581.43	10,042.66 N	66.44 E	450,956.92	695,966.45	1.52	10,042.81	-139.22	
21,629.00	89.66	358.93	11,581.95	10,136.65 N	64.71 E	451,050.91	695,964.72	0.06	10,136.79	-149.04	
21,724.00	89.28	359.97	11,582.83	10,231.64 N	63.80 E	451,145.90	695,963.81	1.17	10,231.78	110.08	
21,819.00	88.73	359.16	11,584.48	10,326.62 N	63.08 E	451,240.88	695,963.09	1.03	10,326.76	-124.19	
21,839.00	88.75	359.06	11,584.92	10,346.61 N	62.77 E	451,260.87	695,962.78	0.52	10,346.75	-79.38	SLC @ 21839'MD
21,913.00	88.82	358.68	11,586.49	10,420.58 N	61.31 E	451,334.84	695,961.32	0.52	10,420.71	-79.38	
22,008.00	89.24	359.02	11,588.10	10,515.55 N	59.40 E	451,429.81	695,959.41	0.57	10,515.67	38.99	
22,103.00	89.31	358.62	11,589.30	10,610.52 N	57.44 E	451,524.78	695,957.45	0.43	10,610.64	-80.08	
22,292.00	89.75	358.99	11,590.85	10,799.47 N	53.50 E	451,713.73	695,953.51	0.30	10,799.58	40.06	
22,387.00	90.60	359.79	11,590.56	10,894.46 N	52.49 E	451,808.72	695,952.50	1.23	10,894.57	43.26	
22,482.00	90.09	0.14	11,589.99	10,989.46 N	52.43 E	451,903.72	695,952.44	0.65	10,989.57	145.54	
22,576.00	91.31	2.43	11,588.84	11,083.42 N	54.54 E	451,997.68	695,954.55	2.76	11,083.53	61.94	
22,733.00	88.43	0.55	11,589.19	11,240.34 N	58.62 E	452,154.60	695,958.63	2.19	11,240.47	-146.86	
22,860.00	88.41	359.50	11,592.70	11,367.29 N	58.68 E	452,281.55	695,958.69	0.83	11,367.42	-91.11	
22,955.00	86.21	358.70	11,597.15	11,462.17 N	57.19 E	452,376.43	695,957.20	2.46	11,462.29	-160.05	
23,050.00	86.12	358.13	11,603.51	11,556.92 N	54.57 E	452,471.18	695,954.58	0.61	11,557.03	-99.01	
23,145.00	87.81	358.38	11,608.54	11,651.74 N	51.68 E	452,566.00	695,951.69	1.80	11,651.84	8.41	
23,239.00	88.71	358.87	11,611.39	11,745.67 N	49.42 E	452,659.93	695,949.43	1.09	11,745.76	28.56	
23,333.00	88.12	358.19	11,613.99	11,839.60 N	47.01 E	452,753.86	695,947.02	0.96	11,839.69	-130.97	
23,424.00	88.85	358.23	11,616.40	11,930.52 N	44.17 E	452,844.78	695,944.18	0.80	11,930.60	3.14	
23,519.00	88.46	358.70	11,618.63	12,025.46 N	41.63 E	452,939.72	695,941.64	0.64	12,025.53	129.70	
23,614.00	89.98	0.36	11,619.92	12,120.45 N	40.85 E	453,034.71	695,940.86	2.37	12,120.51	47.53	
23,709.00	90.13	0.72	11,619.83	12,215.44 N	41.74 E	453,129.70	695,941.75	0.41	12,215.51	67.38	
23,803.00	90.82	0.18	11,619.05	12,309.43 N	42.48 E	453,223.69	695,942.49	0.93	12,309.51	-38.04	
23,898.00	90.98	0.34	11,617.56	12,404.42 N	42.91 E	453,318.68	695,942.92	0.24	12,404.49	45.00	
23,993.00	89.99	0.45	11,616.75	12,499.41 N	43.57 E	453,413.67	695,943.58	1.05	12,499.49	173.66	
24,088.00	89.74	0.74	11,616.98	12,594.41 N	44.56 E	453,508.67	695,944.57	0.40	12,594.49	130.76	

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 173H - Final Surveys**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
24,182.00	89.99	0.92	11,617.20	12,688.40 N	45.92 E	453,602.66	695,945.93	0.33	12,688.48	35.75	
24,277.00	90.70	2.37	11,616.63	12,783.35 N	48.64 E	453,697.61	695,948.65	1.70	12,783.44	63.91	
24,372.00	90.97	1.16	11,615.24	12,878.30 N	51.57 E	453,792.56	695,951.58	1.30	12,878.39	-77.41	
24,467.00	91.33	1.50	11,613.34	12,973.25 N	53.77 E	453,887.51	695,953.78	0.52	12,973.35	43.35	
24,562.00	90.63	0.54	11,611.71	13,068.22 N	55.46 E	453,982.48	695,955.47	1.25	13,068.33	-126.09	
24,656.00	92.09	2.30	11,609.48	13,162.16 N	57.79 E	454,076.42	695,957.80	2.43	13,162.27	50.30	
24,751.00	91.69	0.54	11,606.35	13,257.08 N	60.15 E	454,171.34	695,960.16	1.90	13,257.19	-102.78	
24,846.00	90.77	359.88	11,604.31	13,352.05 N	60.49 E	454,266.31	695,960.50	1.19	13,352.17	-144.34	
24,941.00	90.58	0.32	11,603.19	13,447.04 N	60.66 E	454,361.30	695,960.67	0.50	13,447.16	113.35	
25,036.00	89.66	359.83	11,602.99	13,542.04 N	60.78 E	454,456.30	695,960.79	1.10	13,542.16	-151.96	
25,131.00	89.73	359.49	11,603.50	13,637.04 N	60.22 E	454,551.30	695,960.23	0.37	13,637.16	-78.37	
25,226.00	91.74	358.20	11,602.28	13,732.01 N	58.31 E	454,646.27	695,958.32	2.51	13,732.12	-32.68	
25,320.00	91.98	358.14	11,599.23	13,825.91 N	55.31 E	454,740.17	695,955.32	0.26	13,826.01	-14.03	
25,415.00	91.88	358.40	11,596.03	13,920.81 N	52.44 E	454,835.07	695,952.45	0.29	13,920.90	111.04	
25,510.00	91.11	358.37	11,593.55	14,015.74 N	49.76 E	454,930.00	695,949.77	0.81	14,015.83	-177.77	
25,605.00	91.15	359.01	11,591.67	14,110.70 N	47.59 E	455,024.96	695,947.60	0.67	14,110.78	86.42	
25,699.00	92.03	0.53	11,589.07	14,204.66 N	47.21 E	455,118.92	695,947.22	1.87	14,204.73	59.90	
25,794.00	91.51	0.29	11,586.13	14,299.61 N	47.89 E	455,213.87	695,947.90	0.60	14,299.69	-155.23	
25,889.00	90.92	0.75	11,584.12	14,394.58 N	48.76 E	455,308.84	695,948.77	0.79	14,394.66	142.06	
25,984.00	91.53	1.81	11,582.09	14,489.53 N	50.88 E	455,403.79	695,950.89	1.29	14,489.62	60.06	
26,079.00	91.49	2.08	11,579.58	14,584.45 N	54.10 E	455,498.71	695,954.11	0.29	14,584.54	98.43	
26,173.00	90.20	1.38	11,578.20	14,678.39 N	56.94 E	455,592.65	695,956.95	1.56	14,678.49	-151.51	
26,268.00	93.48	2.36	11,575.15	14,773.28 N	60.03 E	455,687.54	695,960.04	3.60	14,773.39	16.61	
26,363.00	89.83	0.00	11,572.40	14,868.20 N	61.99 E	455,782.46	695,962.00	4.57	14,868.31	-147.08	
26,457.00	89.78	0.73	11,572.72	14,962.19 N	62.59 E	455,876.45	695,962.60	0.78	14,962.31	93.92	
26,552.00	88.74	359.33	11,573.95	15,057.18 N	62.64 E	455,971.44	695,962.65	1.84	15,057.30	-126.62	
26,647.00	88.74	359.42	11,576.04	15,152.15 N	61.60 E	456,066.41	695,961.61	0.09	15,152.27	90.00	
26,742.00	90.19	359.49	11,576.93	15,247.14 N	60.70 E	456,161.40	695,960.71	1.53	15,247.25	2.76	
26,836.00	88.95	357.89	11,577.63	15,341.11 N	58.55 E	456,255.37	695,958.56	2.15	15,341.21	-127.78	
26,931.00	90.07	357.72	11,578.44	15,436.03 N	54.91 E	456,350.29	695,954.92	1.19	15,436.13	-8.63	
27,026.00	91.42	358.75	11,577.21	15,530.98 N	51.98 E	456,445.24	695,951.99	1.79	15,531.06	37.33	
27,044.00	90.92	358.58	11,576.84	15,548.97 N	51.56 E	456,463.23	695,951.57	2.95	15,549.05	-161.05	100FNL @ 27044'MD
27,074.00	90.08	358.29	11,576.58	15,578.96 N	50.74 E	456,493.22	695,950.75	2.95	15,579.04	-161.06	Last MWD Svy @ 27074'MD
27,094.00	90.08	358.29	11,576.55	15,598.95 N	50.15 E	456,513.21	695,950.16	0.00	15,599.03	0.00	Projection to TD @ 27094'MD

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 173H - Final Surveys****Design Annotations**

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
17.00	17.00	0.00	0.00	17ft KB Offset
769.18	769.16	3.36	1.65	Last Gyro @ 769.18'MD
10,717.00	10,707.58	-134.59	41.49	Tie-in @ 10717'MD
10,782.00	10,771.87	-143.84	44.03	First MWD Svy @ 10782'MD
11,224.00	11,202.41	-94.70	83.07	100FSL @ 11224'MD
16,579.00	11,569.73	5,088.84	89.19	SLC @ 16579'MD
21,839.00	11,584.92	10,346.61	62.77	SLC @ 21839'MD
27,044.00	11,576.84	15,548.97	51.56	100FNL @ 27044'MD
27,074.00	11,576.58	15,578.96	50.74	Last MWD Svy @ 27074'MD
27,094.00	11,576.55	15,598.95	50.15	Projection to TD @ 27094'MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/-S (usft)	+E/-W (usft)	
Target	Nimitz 13-1 173H PBHL	0.17	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
17.00	769.18	Gyro (Adjusted from 8ft KB)	3_Gyro-GC_Drill pipe
923.00	10,717.00	Intermediate	Superior
10,782.00	11,603.00	Production	MWD+IFR1+SAG+FDIR Superior
11,698.00	11,951.00	Production (Sag Only)	MWD+IFR1+SAG+FDIR 3_MWD+IFR1+Sag
12,070.00	27,074.00	Production 3	Superior
27,094.00	27,094.00	Projection to TD	MWD+IFR1+SAG+FDIR 3_Blind

Casing Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)
10,744.00		7 5/8" Casing	7.625	9.875
27,110.80		5 1/2" Casing	5.500	6.750



Design Report for Nimitz MDP1 13-1 Fed Com 173H - Final Surveys

Design Targets

Target Name	Dip	Dip							
- hit/miss target	Angle	Dir.	TVD	+N/-S	+E/-W	Northing	Easting		
- Shape	()	()	()	()	()	()	()	Latitude	Longitude
()									

Directional Difficulty Index

Average Dogleg over Survey:	1.18 °/100ft	Maximum Dogleg over Survey:	16.96 °/100ft at 11,793.00 usft
Net Tortousity applicable to Plans:	0.12 °/100ft	Directional Difficuly Index:	7.075

Audit Info

HALLIBURTON**North Reference Sheet for Nimitz 13-1 - Nimitz MDP1 13-1 Fed Com 173H - OH**

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 3475' + RKB 25' @ 3500.00usft (H&P 479). Northing and Easting are relative to Nimitz MDP1 13-1 Fed Com 173H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is 104° 20' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:0° 0' 0.000 N°

False Easting: 541,337.50usft, False Northing: 0.00usft, Scale Reduction: 0.99993645

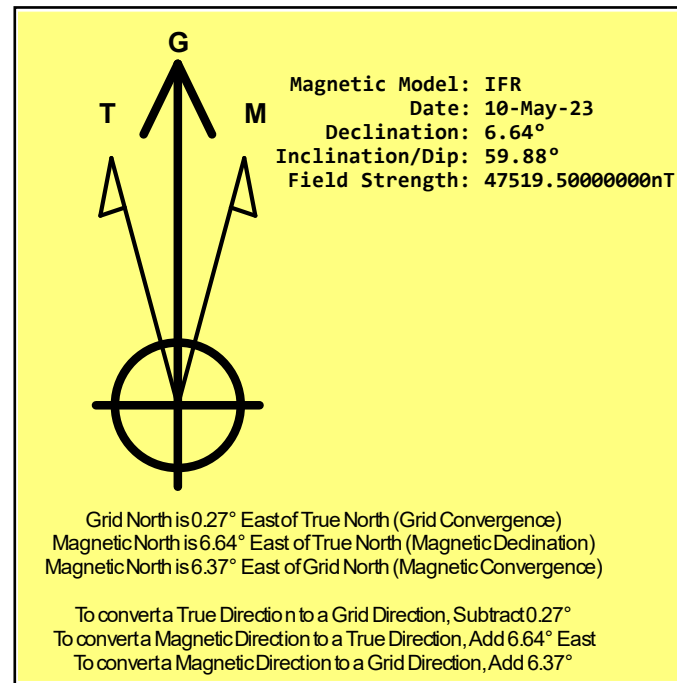
Grid Coordinates of Well: 440,914.26 usft N, 695,900.01 usft E

Geographical Coordinates of Well: 32° 12' 40.185 N, 103° 50' 0.886 W

Grid Convergence at Surface is: 0.27°

Based upon Minimum Curvature type calculations, at a Measured Depth of 27,094.00usft
the Bottom Hole Displacement is 15,599.03usft in the Direction of 0.18° (Grid).

Magnetic Convergence at surface is: -6.37° (10 May 2023, , IFR)



Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Well Name: NIMITZ MDP1 13_1 FEDERAL COM	Well Location: T24S / R30E / SEC 13 / SWSE / 32.200039 / -103.8330951	County or Parish/State: EDDY / NM
Well Number: 173H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM120897	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548589	Well Status: Producing Oil Well	Operator: OXY USA INCORPORATED

Subsequent Report

Sundry ID: 2747420

Type of Submission: Subsequent Report

Date Sundry Submitted: 08/22/2023

Date Operation Actually Began: 06/24/2023

Type of Action: Workover Operations

Time Sundry Submitted: 02:13

Actual Procedure: RUPU 06/24/23, RIH & clean out to PBTD @ 27049', pressure test casing to 6000# for 30 min, good test. RIH & perf @ 11541-26954' Total 3717 holes. Frac in 62 stages w/ 531302BBL Produced Water + 2671BBL Brackish Water (> 1,000 mg/I TDS and 10,000 mg/I TDS) w/ 38607316# sand, RD NexTier 07/20/23. Well ready to produce 07/31/23. OXY USA Inc. requests a tubing exception while continuing to flow back this well. The estimated date of tubing install is 11/30/2023.

Received by OCD: 9/12/2023 8:32:09 AMPage 18 of 24

Well Name: NIMITZ MDP1 13_1 FEDERAL COM	Well Location: T24S / R30E / SEC 13 / SWSE / 32.200039 / -103.8330951	County or Parish/State: EDDY / NM
Well Number: 173H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM120897	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548589	Well Status: Producing Oil Well	Operator: OXY USA INCORPORATED

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: JANA MENDIOLA	Signed on: AUG 22, 2023 02:12 PM
Name: OXY USA INCORPORATED	
Title: Regulatory Coordinator	
Street Address: PO BOX 50250	
City: Midland	State: TX
Phone: (432) 685-5936	
Email address: Janalyn_mendiola@oxy.com	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 08/22/2023
Signature: Jonathon Shepard	

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 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-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG							1. WELL API NO. 30-015-48589			
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)							5. Lease Name or Unit Agreement Name NIMITZ MDP1 13-1 FEDERAL COM			
							6. Well Number: 173H			
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator: OXY USA INC.					9. OGRID: 16696					
10. Address of Operator: P.O. BOX 50250 MIDLAND, TX 79710					11. Pool name or Wildcat PURPLE SAGE WOLFCAMP					
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	O	13	24S	30E		195	SOUTH	2444	EAST	EDDY
BH:	L 2	1	24S	30E		50	NORTH	2331	EAST	EDDY
13. Date Spudded 1/12/23	14. Date T.D. Reached 5/27/2023		15. Date Rig Released 5/30/2023		16. Date Completed (Ready to Produce) 7/31/2023			17. Elevations (DF and RKB, RT, GR, etc.) 3475' GL		
18. Total Measured Depth of Well 27094'M 11577'V			19. Plug Back Measured Depth 27049'M 11577'V		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 11541-26954' Wolfcamp										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
10.75" J55		45.5		780'		14.75"		765sx-surf circ		
7.625" HCL80		26.4		10744'		9.875"		2698sx-surf		
5.5" P110 ICY		20		27074'		6.75"		1257sx-TOC@8996'		
24. LINER RECORD										
SIZE	TOP	BOTTOM		SACKS CEMENT	SCREEN		25. TUBING RECORD			
							SIZE	DEPTH SET		PACKER SET
26. Perforation record (interval, size, and number) 11541-26954' Total 3717 holes, Hole Size=0.42						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						11541-26954'		531302BBL Produced Water + 2671BBL Brackish Water (> 1,000 mg/l TDS and 10,000 mg/l TDS) w/ 38607316# sand		
28. PRODUCTION										
Date First Production		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>)				Well Status (<i>Prod. or Shut-in</i>)				
08/4/2023		FLOWING				Prod.				
Date of Test	Hours Tested	Choke Size	Prod'n For	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
08/11/2023	24 hrs.	40/128	Test Period	4374	7021	11226	1605			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
	2243		4374	7021	11226					
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) SOLD							30. Test Witnessed By			
31. List Attachments WBD										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude _____ Longitude _____ NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Printed										
Signature: <i>Jana Mendiola</i>		Name: <u>Jana Mendiola</u>		Title: <u>Sr. Regulatory Analyst</u>		Date: <u>09/11/2023</u>				
E-mail Address: janalyn_mendiola@oxy.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Rustler 553'	T. Bell Canyon 4269'	T. Ojo Alamo	T. Penn A"
T. Salado 882'	T. Strawn	T. Kirtland	T. Penn. "B"
T. Castile 2271'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Delaware 4204'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. Cherry Canyon 5194'	T. Devonian	T. Cliff House	T. Leadville
T. Brushy Canyon 6339'	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Spring 8034'	T. Todilto	
T. Abo	T. 1 st Bone Spring 9023'	T. Entrada	
T. Wolfcamp 11573'	T. 2 nd Bone Spring 9748'	T. Wingate	
T. Penn	T. 3 rd Bone Spring 11047'	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

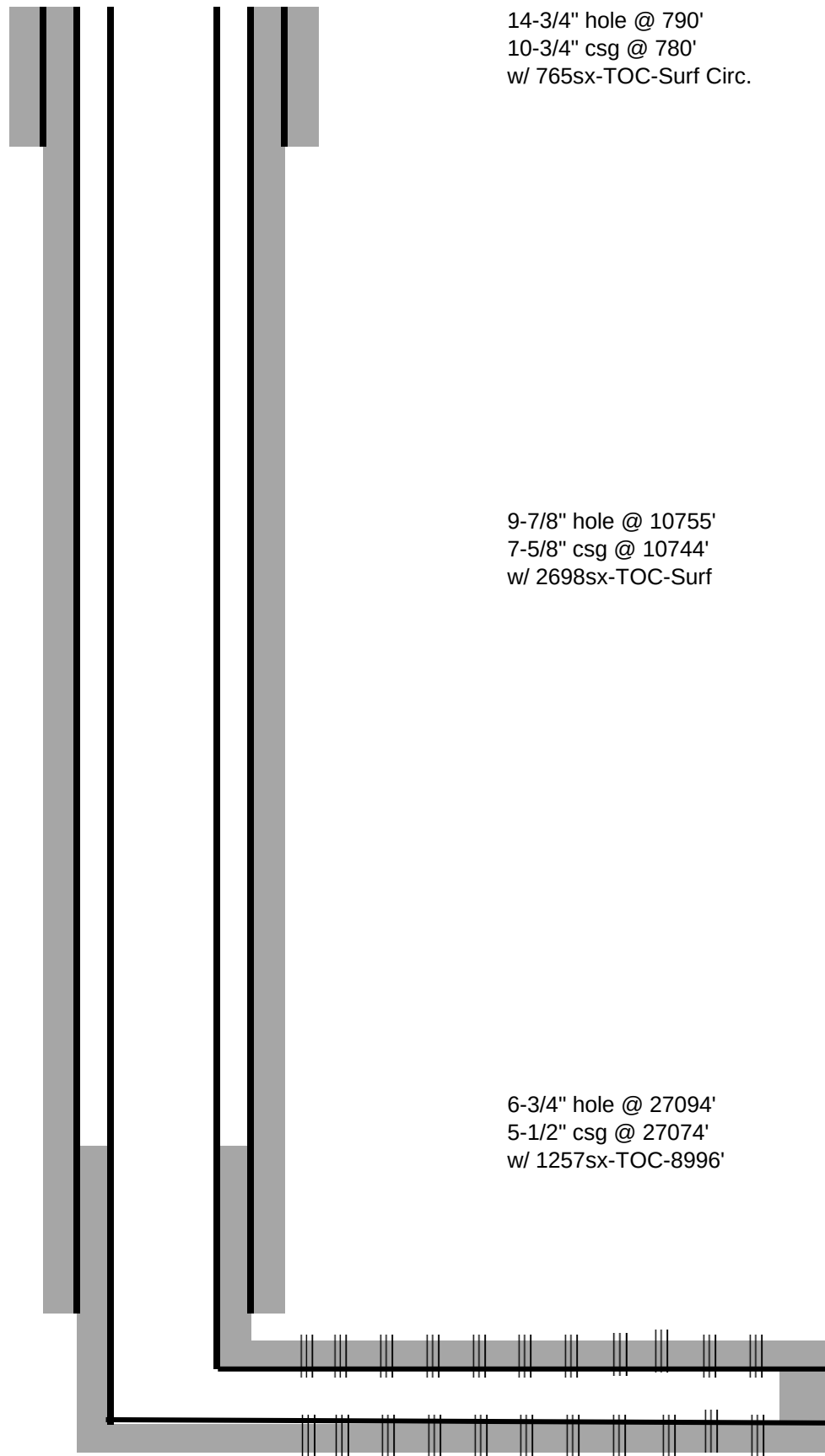
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

OXY USA Inc.
NIMITZ MDP1 13-1 FEDERAL COM 173H
API No. 30-015-48589



Perfs @ 11541-26954'

TD- 27094'M 11577'V

District I
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District II
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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

ACKNOWLEDGMENTS

Action 264215

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 264215
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 264215

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 264215
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	10/4/2023