

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 - 015-48588	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: 1H

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		211	SOUTH	2413	EAST	EDDY

¹¹ Bottom Hole Location

FTP- 450' FSL 1655' FEL LTP- 191' FNL 1708' FEL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B IX2	1	24S	30E		49	NORTH	1711	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 01/11/23	²² Ready Date 07/31/2023	²³ TD 27048'M 11558'V	²⁴ PBTD 27003'M 11558'V	²⁵ Perforations 11679-26906'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14-3/4"	10-3/4"	792'	765		
9-7/8"	7-5/8"	10836'	2814		
6-3/4"	5-1/2"	27028'	1242		

V. Well Test Data

³¹ Date New Oil 8/3/23	³² Gas Delivery Date 8/3/23	³³ Test Date 8/22/23	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 2285
³⁷ Choke Size 61/128	³⁸ Oil 3258	³⁹ Water 7190	⁴⁰ Gas 4849		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.comDate: 09/11/2023
Phone: 432-685-5936

OIL CONSERVATION DIVISION

Approved by:

PATRICIA MARTINEZ

Title: PETROLEUM SPECIALIST

Approval Date: 10/4/2023

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 ACERAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-015-48588	² Pool Code 98220	³ Pool Name PURPLE SAGE, WOLFCAMP (GAS)
⁴ Property Code 331061	⁵ Property Name NIMITZ MDPI 13_1 FED COM	
⁷ OGRID No. 16696	⁸ Operator Name OXY USA INC.	⁶ Well Number 1H ⁹ Elevation 3475'

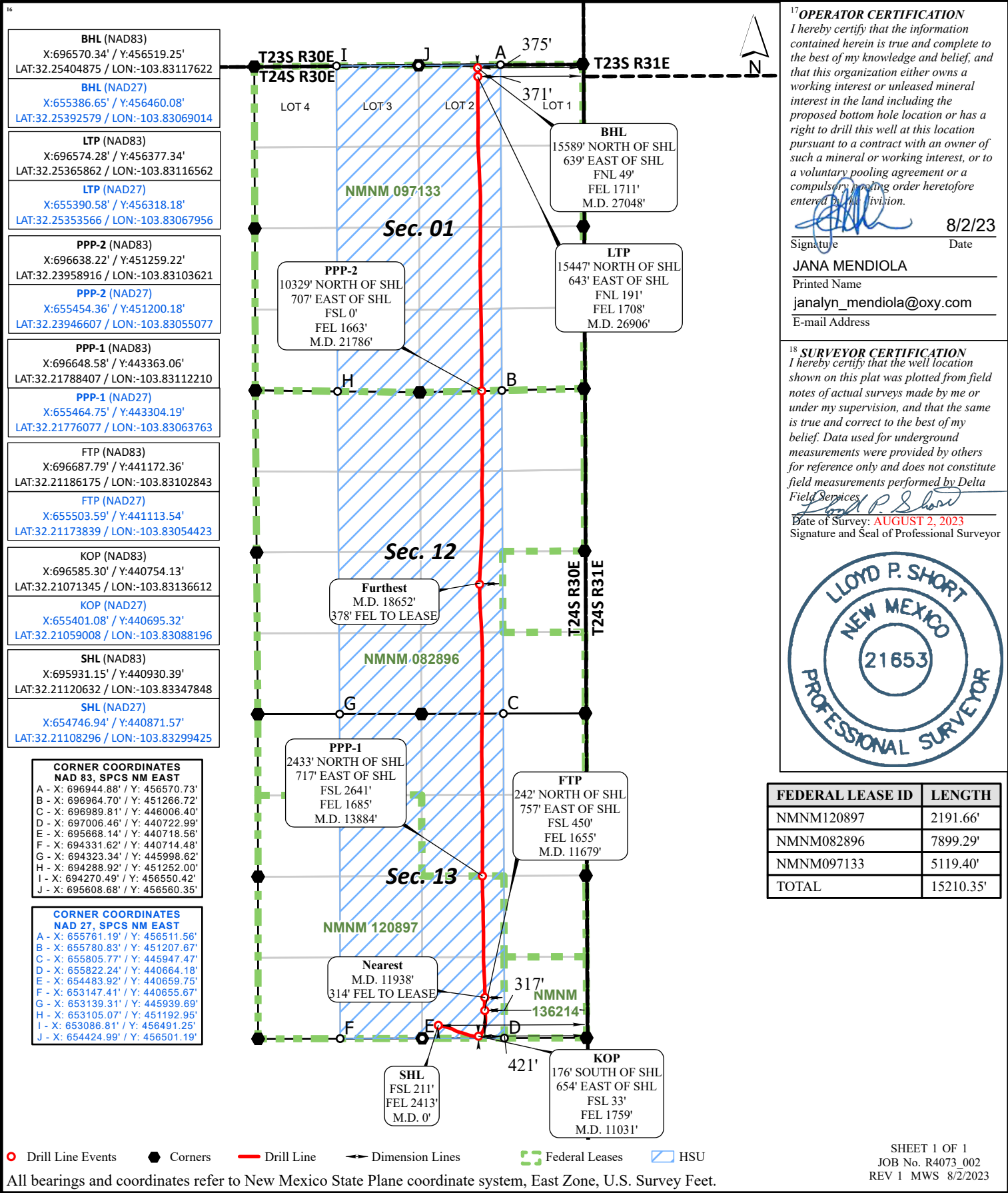
¹⁰ Surface Location

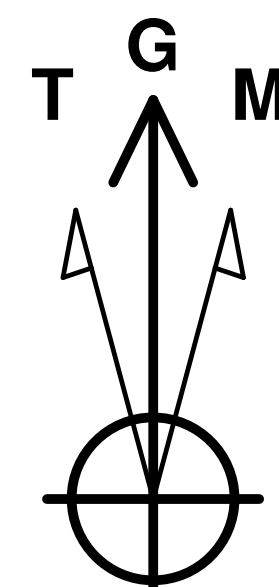
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	13	24S	30E		211	SOUTH	2413	EAST	EDDY

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
L 2	1	24S	30E		49	NORTH	1711	EAST	EDDY
¹² Dedicated Acres 959.90		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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.





Final Plan Vs Actual

Magnetic Field Strength: 47526.9nT
Dip Angle: 59.88°
Date: 4/19/2023
Model: IFR

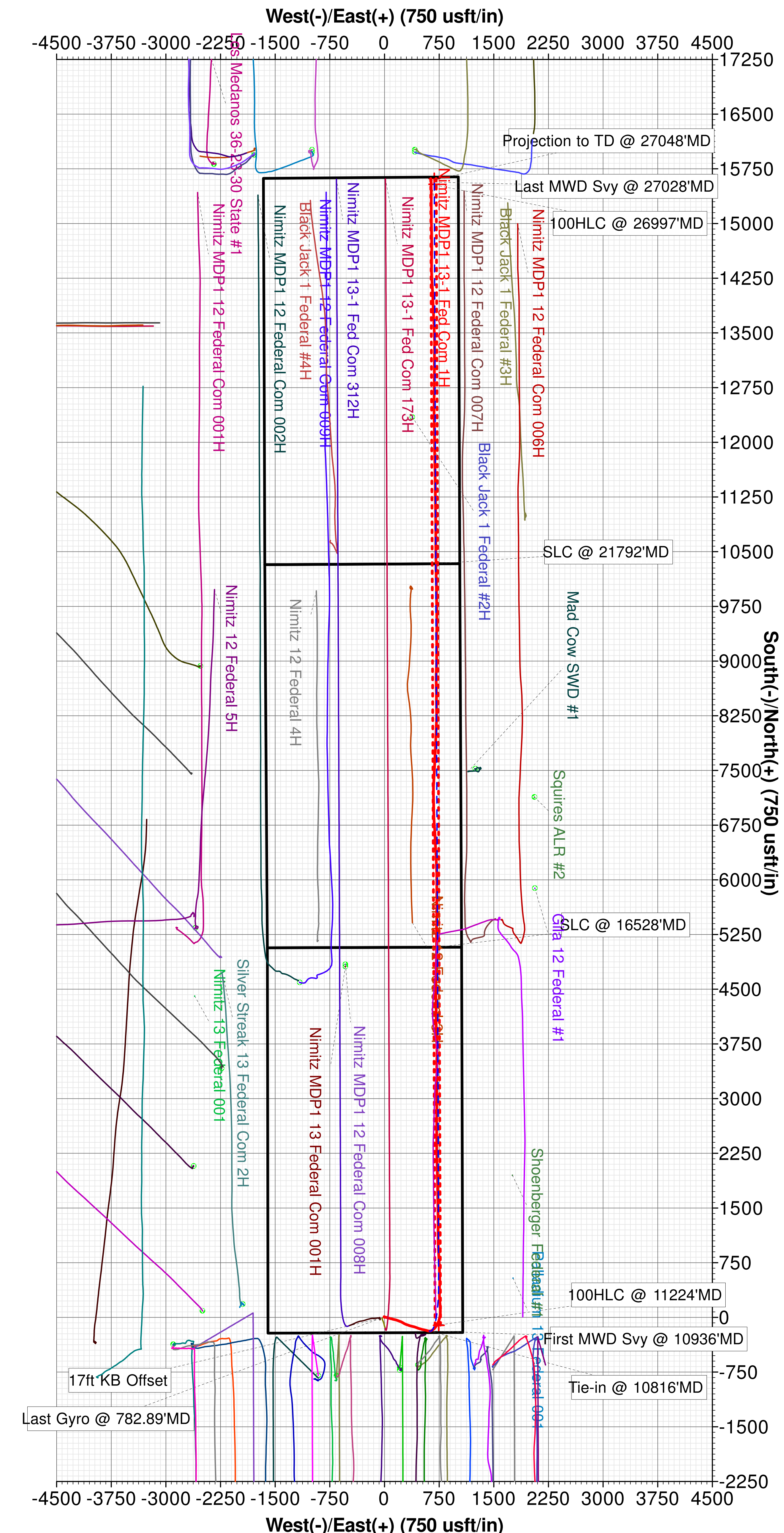
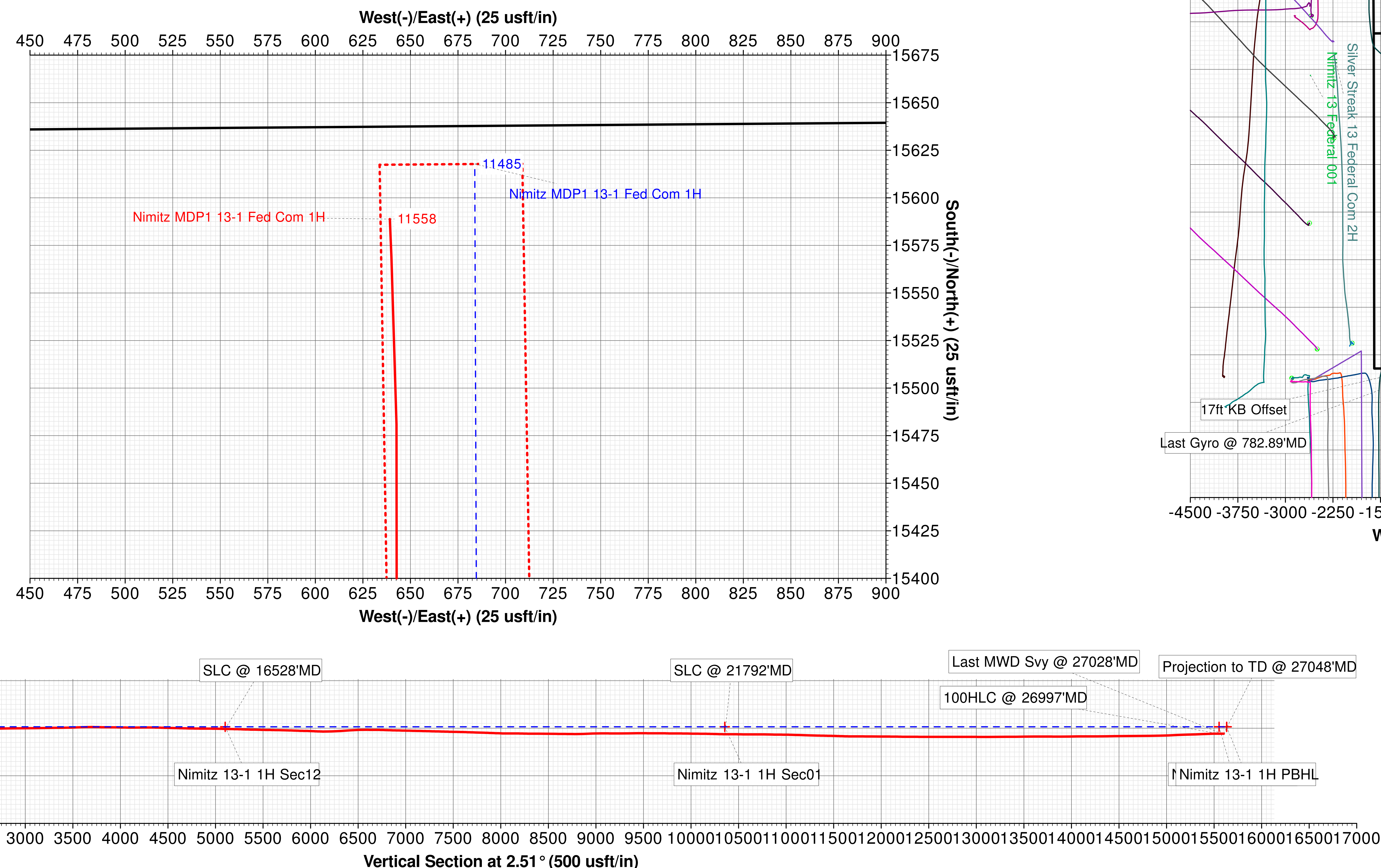
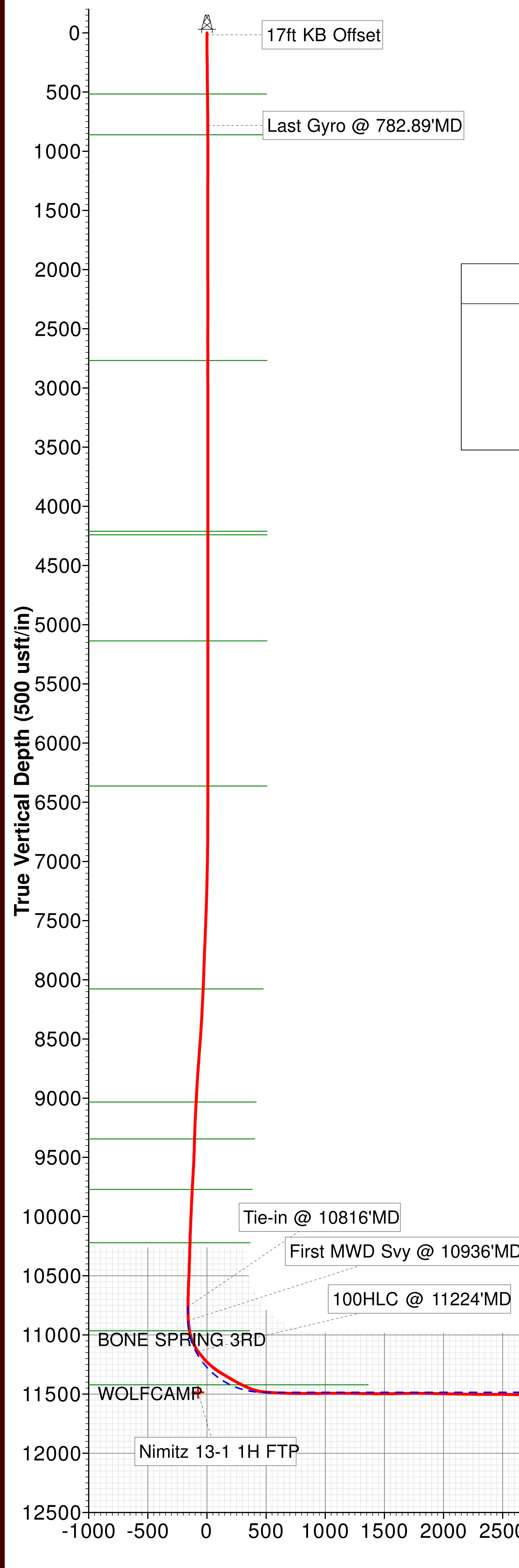
Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone

Project: Eddy County, NM (NAD83)
Site: Nimitz 13-1
Well: Nimitz MDP1 13-1 Fed Com 1H
Wellbore: OH
Design: Plan 1 Rev01
Rig: H&P 479

WELL DETAILS						
+N/-S	+E/-W	GL 3475' + RKB 25' @ 3500.00usft (H&P 479)				
0.00	0.00	Northing	Easting	Latitude	Longitude	
		440930.39	695931.15	32° 12' 40.343 N	103° 50' 0.523 W	

FINAL SURVEY ANNOTATIONS								
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
782.89	1.00	294.31	782.83	7.21	-2.23	7.11	9.43	Last Gyro @ 782.89'MD
10816.00	9.13	97.76	10761.44	-187.17	615.53	-160.07	669.06	Tie-in @ 10816'MD
10936.00	8.63	71.45	10880.05	-185.59	633.50	-157.71	687.59	First MWD Svy @ 10936'MD
11224.00	40.16	29.53	11139.12	-108.59	718.47	-77.06	805.46	100HLC @ 11224'MD
16528.00	88.75	0.42	11507.59	5075.46	714.16	5101.84	6000.05	SLC @ 16528'MD
21792.00	89.75	359.63	11563.21	10335.01	706.96	10356.05	11262.29	SLC @ 21792'MD
26997.00	89.86	358.08	11557.20	15537.90	641.16	15551.08	16466.47	100HLC @ 26997'MD
27028.00	89.12	357.66	11557.47	15568.88	640.01	15581.98	16497.47	Last MWD Svy @ 27028'MD
27048.00	89.12	357.66	11557.78	15588.86	639.19	15601.90	16517.46	Projection to TD @ 27048'MD

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Nimitz 13-1 1H FTP	11485.00	-108.45	744.99	440821.94	696676.14	32° 12' 39.235 N	103° 49' 51.857 W
Nimitz 13-1 1H LTP	11485.00	15537.83	684.11	456468.22	696615.26	32° 15' 14.068 N	103° 49' 51.714 W
Nimitz 13-1 1H PBHL	11485.00	15617.83	683.81	456548.22	696614.96	32° 15' 14.860 N	103° 49' 51.713 W
Nimitz 13-1 1H Sec01	11485.00	10334.51	703.56	451264.90	696634.71	32° 14' 22.577 N	103° 49' 51.771 W
Nimitz 13-1 1H Sec12	11485.00	5075.05	728.66	446005.44	696659.81	32° 13' 30.530 N	103° 49' 51.765 W



Created By: Chad Stich
Date: 13:22, May 09 2023

H&P 479

Occidental Petroleum Corporation

Eddy County, NM (NAD83) Nimitz 13-1

API#

Nimitz MDP1 13-1 Fed Com 1H

OH

Design: Final Surveys

Sperry Drilling Services

Combo Report

09 May, 2023

Well Coordinates: 32° 12' 40.343 N
103° 50' 0.523 W

North American Datum 1983
New Mexico Eastern Zone
440,930.39 N
695,931.15 E

Ground Level: 3,475.00 usft

Local Coordinate Origin:

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

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 1H - 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	440,930.39	695,931.15	0.00	0.00	0.00	
17.00	0.00	0.00	17.00	0.00 N	0.00 E	440,930.39	695,931.15	0.00	0.00	0.00	17ft KB Offset
71.72	0.38	33.50	71.72	0.15 N	0.10 E	440,930.54	695,931.25	0.69	0.16	33.50	
155.88	0.55	17.37	155.88	0.77 N	0.37 E	440,931.16	695,931.52	0.25	0.79	-45.85	
239.91	0.65	9.84	239.90	1.62 N	0.58 E	440,932.01	695,931.73	0.15	1.65	-42.06	
334.79	0.56	15.52	334.78	2.60 N	0.79 E	440,932.99	695,931.94	0.11	2.63	149.14	
428.92	0.69	17.92	428.90	3.58 N	1.09 E	440,933.97	695,932.24	0.14	3.63	12.59	
523.20	0.75	348.87	523.17	4.73 N	1.15 E	440,935.12	695,932.30	0.39	4.77	-95.39	
617.40	0.87	316.33	617.37	5.85 N	0.53 E	440,936.24	695,931.68	0.50	5.87	-92.03	
711.70	1.25	288.94	711.65	6.70 N	0.93 W	440,937.09	695,930.22	0.66	6.66	-67.35	
782.89	1.00	294.31	782.83	7.21 N	2.23 W	440,937.60	695,928.92	0.38	7.11	159.80	Last Gyro @ 782.89'MD
926.00	0.14	253.69	925.93	7.68 N	3.54 W	440,938.07	695,927.61	0.63	7.51	-174.18	
1,018.00	0.04	20.44	1,017.93	7.67 N	3.64 W	440,938.06	695,927.51	0.18	7.51	168.94	
1,112.00	0.03	117.18	1,111.93	7.69 N	3.60 W	440,938.08	695,927.55	0.06	7.53	145.61	
1,206.00	0.06	264.76	1,205.93	7.68 N	3.63 W	440,938.07	695,927.52	0.09	7.51	158.26	
1,299.00	0.08	179.59	1,298.93	7.61 N	3.68 W	440,938.00	695,927.47	0.10	7.44	-123.75	
1,392.00	0.08	3.91	1,391.93	7.61 N	3.67 W	440,938.00	695,927.48	0.17	7.44	-177.84	
1,486.00	0.08	242.12	1,485.93	7.64 N	3.73 W	440,938.03	695,927.42	0.15	7.47	-150.89	
1,581.00	0.08	115.50	1,580.93	7.58 N	3.73 W	440,937.97	695,927.42	0.15	7.41	-153.31	
1,676.00	0.07	155.17	1,675.93	7.50 N	3.64 W	440,937.89	695,927.51	0.05	7.34	120.31	
1,771.00	0.07	322.09	1,770.93	7.50 N	3.65 W	440,937.89	695,927.50	0.15	7.33	173.46	
1,866.00	0.06	292.21	1,865.93	7.56 N	3.74 W	440,937.95	695,927.41	0.04	7.39	-121.02	
1,961.00	0.09	252.46	1,960.93	7.56 N	3.85 W	440,937.95	695,927.30	0.06	7.38	-80.92	
2,056.00	0.06	0.04	2,055.93	7.58 N	3.92 W	440,937.97	695,927.23	0.13	7.41	152.12	
2,151.00	0.09	321.93	2,150.93	7.69 N	3.97 W	440,938.08	695,927.18	0.06	7.51	-78.98	
2,247.00	0.05	139.08	2,246.93	7.72 N	3.99 W	440,938.11	695,927.16	0.15	7.54	178.98	
2,341.00	0.08	312.99	2,340.93	7.73 N	4.01 W	440,938.12	695,927.14	0.14	7.55	176.25	
2,436.00	0.07	185.60	2,435.93	7.72 N	4.06 W	440,938.11	695,927.09	0.14	7.54	-155.58	
2,531.00	0.08	261.28	2,530.93	7.65 N	4.14 W	440,938.04	695,927.01	0.10	7.47	122.93	
2,626.00	0.09	295.22	2,625.93	7.68 N	4.27 W	440,938.07	695,926.88	0.05	7.48	96.06	
2,721.00	0.06	276.92	2,720.93	7.71 N	4.39 W	440,938.10	695,926.76	0.04	7.51	-150.30	
2,815.00	0.10	110.41	2,814.93	7.69 N	4.36 W	440,938.08	695,926.79	0.17	7.49	-171.56	
2,910.00	0.03	52.36	2,909.93	7.68 N	4.26 W	440,938.07	695,926.89	0.09	7.48	-163.16	
3,005.00	0.08	47.48	3,004.93	7.74 N	4.19 W	440,938.13	695,926.96	0.05	7.55	-7.80	
3,100.00	0.09	80.03	3,099.93	7.79 N	4.07 W	440,938.18	695,927.08	0.05	7.61	94.88	
3,195.00	0.03	250.07	3,194.93	7.80 N	4.02 W	440,938.19	695,927.13	0.13	7.62	177.51	

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 1H - 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)				
3,290.00	0.05	146.13	3,289.93	7.76 N	4.02 W	440,938.15	695,927.13	0.07	7.57	-130.91	
3,385.00	0.09	62.08	3,384.93	7.76 N	3.93 W	440,938.15	695,927.22	0.10	7.58	-114.43	
3,480.00	0.24	347.68	3,479.93	7.99 N	3.91 W	440,938.38	695,927.24	0.24	7.81	-96.28	
3,575.00	0.05	57.87	3,574.93	8.20 N	3.91 W	440,938.59	695,927.24	0.24	8.02	168.09	
3,670.00	0.10	356.88	3,669.93	8.31 N	3.88 W	440,938.70	695,927.27	0.09	8.13	-90.99	
3,765.00	0.05	15.22	3,764.93	8.43 N	3.88 W	440,938.82	695,927.27	0.06	8.25	163.33	
3,860.00	0.08	198.11	3,859.93	8.41 N	3.89 W	440,938.80	695,927.26	0.14	8.23	-178.22	
3,955.00	0.06	240.38	3,954.93	8.32 N	3.95 W	440,938.71	695,927.20	0.06	8.14	131.42	
4,050.00	0.06	219.35	4,049.93	8.26 N	4.03 W	440,938.65	695,927.12	0.02	8.07	-100.51	
4,240.00	0.10	236.94	4,239.93	8.09 N	4.23 W	440,938.48	695,926.92	0.02	7.90	40.55	
4,335.00	0.04	308.49	4,334.93	8.06 N	4.32 W	440,938.45	695,926.83	0.10	7.87	156.52	
4,430.00	0.06	349.78	4,429.93	8.13 N	4.36 W	440,938.52	695,926.79	0.04	7.94	82.68	
4,525.00	0.09	146.60	4,524.92	8.12 N	4.33 W	440,938.51	695,926.82	0.15	7.92	166.06	
4,620.00	0.07	77.70	4,619.92	8.07 N	4.23 W	440,938.46	695,926.92	0.10	7.88	-134.78	
4,715.00	0.06	60.01	4,714.92	8.11 N	4.13 W	440,938.50	695,927.02	0.02	7.92	-125.15	
4,810.00	0.07	144.17	4,809.92	8.09 N	4.05 W	440,938.48	695,927.10	0.09	7.90	127.21	
4,905.00	0.04	78.10	4,904.92	8.05 N	3.98 W	440,938.44	695,927.17	0.07	7.86	-145.79	
5,000.00	0.02	105.61	4,999.92	8.05 N	3.94 W	440,938.44	695,927.21	0.03	7.87	157.46	
5,095.00	0.06	85.05	5,094.92	8.05 N	3.87 W	440,938.44	695,927.28	0.04	7.87	-30.22	
5,190.00	0.08	193.38	5,189.92	7.99 N	3.84 W	440,938.38	695,927.31	0.12	7.81	138.27	
5,285.00	0.08	82.07	5,284.92	7.93 N	3.79 W	440,938.32	695,927.36	0.14	7.76	-145.65	
5,380.00	0.07	46.66	5,379.92	7.98 N	3.68 W	440,938.37	695,927.47	0.05	7.81	-119.50	
5,475.00	0.04	209.96	5,474.92	7.99 N	3.65 W	440,938.38	695,927.50	0.11	7.82	173.94	
5,570.00	0.03	11.07	5,569.92	7.99 N	3.66 W	440,938.38	695,927.49	0.07	7.82	171.92	
5,665.00	0.07	303.06	5,664.92	8.04 N	3.71 W	440,938.43	695,927.44	0.07	7.87	-93.34	
5,760.00	0.08	181.87	5,759.92	8.01 N	3.76 W	440,938.40	695,927.39	0.14	7.84	-148.44	
5,855.00	0.07	141.48	5,854.92	7.90 N	3.72 W	440,938.29	695,927.43	0.06	7.73	-120.47	
5,949.00	0.03	41.04	5,948.92	7.87 N	3.67 W	440,938.26	695,927.48	0.09	7.70	-158.64	
6,045.00	0.06	164.37	6,044.92	7.84 N	3.64 W	440,938.23	695,927.51	0.08	7.67	141.48	
6,139.00	0.03	103.46	6,138.92	7.79 N	3.61 W	440,938.18	695,927.54	0.06	7.62	-150.00	
6,234.00	0.06	28.93	6,233.92	7.83 N	3.56 W	440,938.22	695,927.59	0.06	7.66	-103.61	
6,329.00	0.06	46.63	6,328.92	7.90 N	3.50 W	440,938.29	695,927.65	0.02	7.74	98.85	
6,424.00	0.08	262.20	6,423.92	7.93 N	3.53 W	440,938.32	695,927.62	0.14	7.77	-159.59	
6,519.00	0.20	130.55	6,518.92	7.81 N	3.47 W	440,938.20	695,927.68	0.27	7.65	-144.94	
6,614.00	0.31	105.82	6,613.92	7.63 N	3.09 W	440,938.02	695,928.06	0.16	7.49	-57.83	
6,709.00	1.18	106.90	6,708.91	7.28 N	1.91 W	440,937.67	695,929.24	0.92	7.19	1.46	
6,803.00	2.15	106.26	6,802.87	6.50 N	0.71 E	440,936.89	695,931.86	1.03	6.53	-1.42	

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 1H - 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)				
6,898.00	3.25	104.93	6,897.77	5.31 N	5.02 E	440,935.70	695,936.17	1.16	5.53	-3.92	
6,993.00	4.35	104.60	6,992.56	3.71 N	11.11 E	440,934.10	695,942.26	1.16	4.19	-1.30	
7,088.00	5.39	105.96	7,087.21	1.58 N	18.89 E	440,931.97	695,950.04	1.10	2.40	7.01	
7,183.00	6.22	104.89	7,181.72	0.97 S	28.15 E	440,929.42	695,959.30	0.88	0.26	-7.96	
7,278.00	7.41	104.83	7,276.05	3.86 S	39.05 E	440,926.53	695,970.20	1.25	-2.15	-0.37	
7,372.00	8.33	105.70	7,369.16	7.26 S	51.46 E	440,923.13	695,982.61	0.99	-5.00	7.81	
7,467.00	9.38	105.34	7,463.03	11.17 S	65.55 E	440,919.22	695,996.70	1.11	-8.29	-3.20	
7,562.00	10.19	104.99	7,556.65	15.39 S	81.14 E	440,915.00	696,012.29	0.85	-11.83	-4.37	
7,657.00	10.35	104.82	7,650.13	19.75 S	97.50 E	440,910.64	696,028.65	0.17	-15.46	-10.81	
7,752.00	10.20	105.47	7,743.60	24.17 S	113.86 E	440,906.22	696,045.01	0.20	-19.17	142.62	
7,847.00	10.21	104.03	7,837.10	28.46 S	130.14 E	440,901.93	696,061.29	0.27	-22.74	-88.46	
7,942.00	10.23	103.79	7,930.59	32.51 S	146.50 E	440,897.88	696,077.65	0.05	-26.07	-64.96	
8,036.00	10.19	105.50	8,023.10	36.72 S	162.62 E	440,893.67	696,093.77	0.33	-29.57	98.36	
8,131.00	10.04	108.77	8,116.63	41.63 S	178.55 E	440,888.76	696,109.70	0.62	-33.78	106.24	
8,226.00	9.75	110.25	8,210.22	47.08 S	193.94 E	440,883.31	696,125.09	0.41	-38.55	139.48	
8,321.00	9.84	109.26	8,303.83	52.54 S	209.15 E	440,877.85	696,140.30	0.20	-43.34	-62.37	
8,416.00	9.81	113.04	8,397.44	58.39 S	224.26 E	440,872.00	696,155.41	0.68	-48.52	94.52	
8,511.00	9.69	118.96	8,491.07	65.43 S	238.71 E	440,864.96	696,169.86	1.06	-54.92	99.74	
8,606.00	9.35	120.77	8,584.76	73.25 S	252.33 E	440,857.14	696,183.48	0.48	-62.14	139.53	
8,701.00	8.85	118.26	8,678.56	80.65 S	265.40 E	440,849.74	696,196.55	0.67	-68.97	-142.79	
8,795.00	9.76	117.91	8,771.33	87.81 S	278.81 E	440,842.58	696,209.96	0.97	-75.53	-3.73	
8,890.00	10.14	114.07	8,864.90	94.99 S	293.56 E	440,835.40	696,224.71	0.80	-82.06	-62.10	
8,985.00	10.08	108.17	8,958.43	100.99 S	309.10 E	440,829.40	696,240.25	1.09	-87.37	-96.22	
9,080.00	10.17	110.31	9,051.95	106.49 S	324.86 E	440,823.90	696,256.01	0.41	-92.18	77.60	
9,175.00	10.27	109.15	9,145.44	112.18 S	340.73 E	440,818.21	696,271.88	0.24	-97.17	-64.66	
9,270.00	10.10	102.53	9,238.95	116.77 S	356.86 E	440,813.62	696,288.01	1.24	-101.05	-101.51	
9,365.00	10.21	103.46	9,332.46	120.54 S	373.18 E	440,809.85	696,304.33	0.21	-104.10	56.60	
9,459.00	9.73	104.32	9,425.04	124.44 S	388.98 E	440,805.95	696,320.13	0.53	-107.31	163.19	
9,554.00	10.00	104.56	9,518.63	128.50 S	404.74 E	440,801.89	696,335.89	0.29	-110.67	8.78	
9,649.00	10.36	110.43	9,612.14	133.55 S	420.73 E	440,796.84	696,351.88	1.16	-115.02	73.77	
9,744.00	10.28	110.81	9,705.60	139.55 S	436.66 E	440,790.84	696,367.81	0.11	-120.31	139.79	
9,839.00	10.00	109.58	9,799.12	145.32 S	452.35 E	440,785.07	696,383.50	0.37	-125.40	-142.89	
9,934.00	10.04	108.53	9,892.67	150.72 S	467.97 E	440,779.67	696,399.12	0.20	-130.11	-78.17	
10,029.00	9.85	106.63	9,986.24	155.68 S	483.61 E	440,774.71	696,414.76	0.40	-134.37	-121.01	
10,124.00	9.96	105.41	10,079.83	160.19 S	499.32 E	440,770.20	696,430.47	0.25	-138.19	-62.94	
10,219.00	9.95	103.20	10,173.40	164.24 S	515.23 E	440,766.15	696,446.38	0.40	-141.55	-92.59	
10,314.00	10.22	102.01	10,266.93	167.87 S	531.46 E	440,762.52	696,462.61	0.36	-144.46	-38.25	

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 1H - 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)				
10,409.00	10.16	102.70	10,360.43	171.47 S	547.88 E	440,758.92	696,479.03	0.14	-147.34	116.51	
10,504.00	9.83	104.07	10,453.99	175.28 S	563.92 E	440,755.11	696,495.07	0.43	-150.45	144.90	
10,599.00	10.00	107.65	10,547.57	179.75 S	579.65 E	440,750.64	696,510.80	0.67	-154.23	76.35	
10,694.00	9.80	102.08	10,641.16	183.95 S	595.41 E	440,746.44	696,526.56	1.03	-157.72	-104.53	
10,789.00	9.59	97.05	10,734.80	186.61 S	611.17 E	440,743.78	696,542.32	0.92	-159.70	-106.39	
10,816.00	9.13	97.76	10,761.44	187.17 S	615.53 E	440,743.22	696,546.68	1.76	-160.07	166.26	Tie-in @ 10816'MD
10,936.00	8.63	71.45	10,880.05	185.59 S	633.50 E	440,744.80	696,564.65	3.38	-157.71	-109.90	First MWD Svy @ 10936'MD
11,031.00	19.07	63.01	10,972.17	176.26 S	654.15 E	440,754.13	696,585.30	11.16	-147.47	-15.10	
11,126.00	29.52	46.69	11,058.73	153.07 S	685.13 E	440,777.32	696,616.28	12.98	-122.95	-40.41	
11,221.00	40.06	29.80	11,136.82	110.27 S	717.52 E	440,820.12	696,648.67	14.95	-78.78	-49.67	
11,224.00	40.16	29.53	11,139.12	108.59 S	718.47 E	440,821.80	696,649.62	6.79	-77.06	-59.83	100HLC @ 11224'MD
11,316.00	43.60	21.70	11,207.65	53.24 S	744.85 E	440,877.15	696,676.00	6.79	-20.61	-59.62	
11,411.00	51.50	7.36	11,271.90	14.36 N	761.80 E	440,944.75	696,692.95	13.86	47.67	-58.28	
11,505.00	58.96	0.53	11,325.51	91.27 N	766.90 E	441,021.66	696,698.05	9.92	124.73	-38.95	
11,600.00	59.89	353.87	11,373.88	172.90 N	762.88 E	441,103.29	696,694.03	6.11	206.10	-82.49	
11,695.00	63.56	356.15	11,418.88	256.22 N	755.63 E	441,186.61	696,686.78	4.40	289.03	29.23	
11,790.00	68.44	0.44	11,457.52	342.92 N	753.11 E	441,273.31	696,684.26	6.59	375.54	39.66	
11,885.00	83.70	4.10	11,480.33	434.76 N	756.85 E	441,365.15	696,688.00	16.49	467.45	13.59	
11,980.00	86.55	357.31	11,488.41	529.35 N	758.01 E	441,459.74	696,689.16	7.73	562.00	-67.47	
12,080.00	88.40	359.06	11,492.82	629.19 N	754.84 E	441,559.58	696,685.99	2.55	661.61	43.42	
12,173.00	88.45	357.06	11,495.37	722.10 N	751.70 E	441,652.49	696,682.85	2.15	754.29	-88.59	
12,363.00	91.66	356.96	11,495.19	911.81 N	741.79 E	441,842.20	696,672.94	1.69	943.39	-1.78	
12,458.00	90.31	357.81	11,493.56	1,006.70 N	737.45 E	441,937.09	696,668.60	1.68	1,037.99	147.80	
12,553.00	89.55	359.60	11,493.67	1,101.67 N	735.31 E	442,032.06	696,666.46	2.05	1,132.78	113.00	
12,648.00	89.55	0.38	11,494.42	1,196.66 N	735.29 E	442,127.05	696,666.44	0.82	1,227.68	90.00	
12,743.00	89.10	359.45	11,495.54	1,291.66 N	735.15 E	442,222.05	696,666.30	1.09	1,322.58	-115.83	
12,838.00	89.52	359.80	11,496.68	1,386.65 N	734.53 E	442,317.04	696,665.68	0.58	1,417.45	39.81	
12,932.00	89.50	359.87	11,497.49	1,480.64 N	734.26 E	442,411.03	696,665.41	0.08	1,511.34	105.95	
13,027.00	91.73	357.91	11,496.47	1,575.61 N	732.42 E	442,506.00	696,663.57	3.13	1,606.14	-41.31	
13,122.00	90.85	0.14	11,494.33	1,670.56 N	730.80 E	442,600.95	696,661.95	2.52	1,700.93	111.51	
13,217.00	89.57	359.10	11,493.98	1,765.56 N	730.17 E	442,695.95	696,661.32	1.74	1,795.81	-140.90	
13,312.00	89.14	358.61	11,495.05	1,860.53 N	728.27 E	442,790.92	696,659.42	0.69	1,890.61	-131.27	
13,407.00	88.94	359.04	11,496.64	1,955.50 N	726.32 E	442,885.89	696,657.47	0.50	1,985.40	114.95	
13,501.00	88.40	357.23	11,498.82	2,049.42 N	723.27 E	442,979.81	696,654.42	2.01	2,079.10	-106.64	
13,596.00	89.57	359.34	11,500.51	2,144.36 N	720.42 E	443,074.75	696,651.57	2.54	2,173.82	61.01	
13,690.00	88.49	358.75	11,502.10	2,238.33 N	718.86 E	443,168.72	696,650.01	1.31	2,267.63	-151.36	

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				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
13,784.00	90.55	359.81	11,502.88	2,332.31 N	717.68 E	443,262.70	696,648.83	2.46	2,361.47	27.23	
13,879.00	89.84	359.90	11,502.56	2,427.31 N	717.44 E	443,357.70	696,648.59	0.75	2,456.37	172.78	
13,974.00	89.01	359.78	11,503.51	2,522.30 N	717.17 E	443,452.69	696,648.32	0.88	2,551.26	-171.77	
14,068.00	90.19	0.77	11,504.17	2,616.30 N	717.62 E	443,546.69	696,648.77	1.64	2,645.18	40.00	
14,163.00	91.00	358.76	11,503.18	2,711.29 N	717.23 E	443,641.68	696,648.38	2.28	2,740.06	-68.04	
14,258.00	90.63	1.74	11,501.83	2,806.26 N	717.65 E	443,736.65	696,648.80	3.16	2,834.97	97.06	
14,352.00	90.58	359.88	11,500.84	2,900.24 N	718.98 E	443,830.63	696,650.13	1.98	2,928.92	-91.53	
14,447.00	90.35	0.06	11,500.07	2,995.24 N	718.93 E	443,925.63	696,650.08	0.31	3,023.82	141.95	
14,540.00	90.73	359.71	11,499.19	3,088.24 N	718.74 E	444,018.63	696,649.89	0.56	3,116.72	-42.64	
14,633.00	91.11	0.72	11,497.70	3,181.22 N	719.09 E	444,111.61	696,650.24	1.16	3,209.63	69.37	
14,726.00	91.10	0.09	11,495.91	3,274.20 N	719.75 E	444,204.59	696,650.90	0.68	3,302.55	-90.90	
14,820.00	90.30	359.12	11,494.76	3,368.19 N	719.10 E	444,298.58	696,650.25	1.34	3,396.42	-129.51	
14,914.00	91.57	359.74	11,493.22	3,462.17 N	718.16 E	444,392.56	696,649.31	1.50	3,490.27	26.01	
15,007.00	92.64	2.42	11,489.81	3,555.08 N	719.91 E	444,485.47	696,651.06	3.10	3,583.17	68.18	
15,109.00	89.80	358.54	11,487.63	3,657.03 N	720.77 E	444,587.42	696,651.92	4.71	3,685.05	-126.15	
15,204.00	88.39	358.35	11,489.13	3,751.98 N	718.19 E	444,682.37	696,649.34	1.50	3,779.80	-172.33	
15,298.00	89.99	357.87	11,490.46	3,845.91 N	715.09 E	444,776.30	696,646.24	1.78	3,873.51	-16.70	
15,393.00	88.76	357.40	11,491.50	3,940.82 N	711.17 E	444,871.21	696,642.32	1.39	3,968.16	-159.09	
15,488.00	89.41	359.95	11,493.02	4,035.78 N	708.97 E	444,966.17	696,640.12	2.77	4,062.93	75.72	
15,582.00	90.45	0.05	11,493.13	4,129.78 N	708.97 E	445,060.17	696,640.12	1.11	4,156.84	5.49	
15,677.00	90.66	0.00	11,492.21	4,224.77 N	709.01 E	445,155.16	696,640.16	0.23	4,251.74	-13.39	
15,772.00	88.76	358.05	11,492.69	4,319.75 N	707.40 E	445,250.14	696,638.55	2.87	4,346.56	-134.26	
15,866.00	88.50	359.40	11,494.94	4,413.70 N	705.31 E	445,344.09	696,636.46	1.46	4,440.32	100.92	
15,961.00	88.70	0.50	11,497.26	4,508.67 N	705.22 E	445,439.06	696,636.37	1.18	4,535.20	79.71	
16,054.00	88.20	0.66	11,499.78	4,601.63 N	706.16 E	445,532.02	696,637.31	0.56	4,628.11	162.26	
16,147.00	88.91	0.52	11,502.12	4,694.59 N	707.12 E	445,624.98	696,638.27	0.78	4,721.03	-11.15	
16,241.00	89.07	1.25	11,503.78	4,788.57 N	708.57 E	445,718.96	696,639.72	0.79	4,814.98	77.64	
16,334.00	90.29	2.09	11,504.30	4,881.52 N	711.28 E	445,811.91	696,642.43	1.59	4,907.96	34.55	
16,428.00	88.56	0.47	11,505.24	4,975.49 N	713.38 E	445,905.88	696,644.53	2.52	5,001.93	-136.89	
16,528.00	88.75	0.42	11,507.59	5,075.46 N	714.16 E	446,005.85	696,645.31	0.19	5,101.84	-14.42	SLC @ 16528'MD
16,614.00	88.91	0.38	11,509.35	5,161.44 N	714.76 E	446,091.83	696,645.91	0.19	5,187.76	-14.42	
16,708.00	87.88	359.90	11,511.98	5,255.40 N	714.99 E	446,185.79	696,646.14	1.21	5,281.64	-155.03	
16,803.00	88.76	0.62	11,514.77	5,350.35 N	715.42 E	446,280.74	696,646.57	1.20	5,376.53	39.29	
16,898.00	88.62	0.45	11,516.94	5,445.33 N	716.31 E	446,375.72	696,647.46	0.23	5,471.45	-129.48	
16,993.00	89.26	0.64	11,518.70	5,540.30 N	717.21 E	446,470.69	696,648.36	0.70	5,566.37	16.53	
17,088.00	88.65	0.28	11,520.43	5,635.29 N	717.98 E	446,565.68	696,649.13	0.75	5,661.30	-149.46	
17,182.00	88.67	359.94	11,522.63	5,729.26 N	718.16 E	446,659.65	696,649.31	0.36	5,755.19	-86.64	

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17,277.00	87.66	0.26	11,525.67	5,824.21 N	718.32 E	446,754.60	696,649.47	1.12	5,850.06	162.43	
17,372.00	89.08	0.02	11,528.37	5,919.17 N	718.55 E	446,849.56	696,649.70	1.52	5,944.93	-9.59	
17,467.00	87.02	359.35	11,531.60	6,014.11 N	718.03 E	446,944.50	696,649.18	2.28	6,039.76	-162.00	
17,556.00	89.10	358.90	11,534.62	6,103.04 N	716.67 E	447,033.43	696,647.82	2.39	6,128.55	-12.21	
17,650.00	92.04	357.46	11,533.68	6,196.97 N	713.69 E	447,127.36	696,644.84	3.48	6,222.26	-26.09	
17,745.00	93.19	357.63	11,529.35	6,291.79 N	709.62 E	447,222.18	696,640.77	1.22	6,316.80	8.40	
17,840.00	94.55	356.52	11,522.93	6,386.44 N	704.79 E	447,316.83	696,635.94	1.85	6,411.16	-39.12	
17,935.00	91.44	357.60	11,517.97	6,481.18 N	699.93 E	447,411.57	696,631.08	3.46	6,505.59	160.84	
18,030.00	89.79	356.92	11,516.95	6,576.06 N	695.38 E	447,506.45	696,626.53	1.88	6,600.18	-157.60	
18,125.00	89.48	356.79	11,517.56	6,670.91 N	690.17 E	447,601.30	696,621.32	0.35	6,694.72	-157.25	
18,220.00	87.90	355.43	11,519.73	6,765.66 N	683.73 E	447,696.05	696,614.88	2.19	6,789.10	-139.30	
18,314.00	88.52	358.18	11,522.67	6,859.46 N	678.49 E	447,789.85	696,609.64	3.00	6,882.58	77.33	
18,409.00	88.66	359.18	11,525.00	6,954.41 N	676.31 E	447,884.80	696,607.46	1.06	6,977.33	82.04	
18,504.00	88.80	358.35	11,527.11	7,049.36 N	674.26 E	447,979.75	696,605.41	0.89	7,072.11	-80.43	
18,599.00	88.58	358.59	11,529.28	7,144.30 N	671.72 E	448,074.69	696,602.87	0.34	7,166.85	132.52	
18,694.00	88.42	1.04	11,531.77	7,239.26 N	671.42 E	448,169.65	696,602.57	2.58	7,261.70	93.77	
18,788.00	88.72	3.55	11,534.11	7,333.15 N	675.18 E	448,263.54	696,606.33	2.69	7,355.66	83.21	
18,883.00	88.02	2.96	11,536.82	7,427.96 N	680.57 E	448,358.35	696,611.72	0.96	7,450.62	-139.89	
18,978.00	89.29	3.10	11,539.05	7,522.80 N	685.59 E	448,453.19	696,616.74	1.34	7,545.58	6.29	
19,072.00	87.67	2.76	11,541.54	7,616.64 N	690.39 E	448,547.03	696,621.54	1.76	7,639.55	-168.16	
19,167.00	88.21	2.83	11,544.95	7,711.46 N	695.02 E	448,641.85	696,626.17	0.57	7,734.48	7.38	
19,262.00	88.16	2.80	11,547.96	7,806.30 N	699.69 E	448,736.69	696,630.84	0.06	7,829.43	-149.05	
19,356.00	87.84	2.01	11,551.24	7,900.16 N	703.63 E	448,830.55	696,634.78	0.91	7,923.38	-112.08	
19,451.00	88.03	2.28	11,554.67	7,995.03 N	707.18 E	448,925.42	696,638.33	0.35	8,018.31	54.85	
19,546.00	91.06	1.61	11,555.42	8,089.96 N	710.41 E	449,020.35	696,641.56	3.27	8,113.29	-12.47	
19,641.00	88.44	3.07	11,555.84	8,184.87 N	714.28 E	449,115.26	696,645.43	3.16	8,208.28	150.87	
19,735.00	90.06	358.89	11,557.07	8,278.82 N	715.89 E	449,209.21	696,647.04	4.77	8,302.21	-68.85	
19,829.00	89.38	358.94	11,557.53	8,372.81 N	714.11 E	449,303.20	696,645.26	0.73	8,396.03	175.79	
19,924.00	89.45	0.56	11,558.50	8,467.80 N	713.70 E	449,398.19	696,644.85	1.71	8,490.91	87.53	
20,018.00	89.48	359.11	11,559.37	8,561.79 N	713.43 E	449,492.18	696,644.58	1.54	8,584.80	-88.82	
20,113.00	89.32	358.64	11,560.37	8,656.77 N	711.56 E	449,587.16	696,642.71	0.52	8,679.61	-108.80	
20,208.00	89.15	359.10	11,561.64	8,751.74 N	709.69 E	449,682.13	696,640.84	0.52	8,774.41	110.29	
20,302.00	92.62	2.11	11,560.19	8,845.70 N	710.68 E	449,776.09	696,641.83	4.89	8,868.32	40.92	
20,397.00	92.26	2.52	11,556.14	8,940.53 N	714.51 E	449,870.92	696,645.66	0.57	8,963.23	131.30	
20,492.00	90.06	359.39	11,554.22	9,035.48 N	716.09 E	449,965.87	696,647.24	4.03	9,058.16	-125.07	
20,587.00	89.45	0.55	11,554.62	9,130.48 N	716.04 E	450,060.87	696,647.19	1.38	9,153.06	117.74	
20,681.00	90.59	0.98	11,554.59	9,224.47 N	717.30 E	450,154.86	696,648.45	1.30	9,247.02	20.67	

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 1H - 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)	(°)	
20,776.00	89.79	357.52	11,554.28	9,319.45 N	716.06 E	450,249.84	696,647.21	3.74	9,341.85	-103.01	
20,871.00	91.91	4.47	11,552.86	9,414.36 N	717.70 E	450,344.75	696,648.85	7.65	9,436.74	73.00	
20,965.00	88.17	357.21	11,552.80	9,508.27 N	719.08 E	450,438.66	696,650.23	8.69	9,530.62	-117.22	
21,060.00	91.10	1.56	11,553.40	9,603.23 N	718.06 E	450,533.62	696,649.21	5.52	9,625.44	56.07	
21,155.00	88.56	358.06	11,553.69	9,698.20 N	717.75 E	450,628.59	696,648.90	4.55	9,720.32	-125.96	
21,250.00	90.12	359.76	11,554.78	9,793.17 N	715.94 E	450,723.56	696,647.09	2.43	9,815.12	47.47	
21,345.00	88.97	358.91	11,555.53	9,888.16 N	714.84 E	450,818.55	696,645.99	1.51	9,909.97	-143.53	
21,534.00	89.48	359.29	11,558.09	10,077.12 N	711.87 E	451,007.51	696,643.02	0.34	10,098.61	36.69	
21,629.00	88.87	358.63	11,559.46	10,172.09 N	710.15 E	451,102.48	696,641.30	0.95	10,193.42	-132.75	
21,723.00	88.12	358.71	11,561.93	10,266.04 N	707.96 E	451,196.43	696,639.11	0.80	10,287.18	173.91	
21,792.00	89.75	359.63	11,563.21	10,335.01 N	706.96 E	451,265.40	696,638.11	2.71	10,356.05	29.37	SLC @ 21792'MD
21,818.00	90.36	359.97	11,563.19	10,361.01 N	706.87 E	451,291.40	696,638.02	2.71	10,382.02	29.35	
21,913.00	89.08	359.21	11,563.65	10,456.01 N	706.19 E	451,386.40	696,637.34	1.57	10,476.89	-149.30	
22,007.00	89.44	359.24	11,564.87	10,549.99 N	704.92 E	451,480.38	696,636.07	0.38	10,570.73	4.76	
22,102.00	90.46	0.38	11,564.95	10,644.99 N	704.60 E	451,575.38	696,635.75	1.61	10,665.62	48.18	
22,202.00	89.04	0.05	11,565.39	10,744.98 N	704.98 E	451,675.37	696,636.13	1.46	10,765.53	-166.92	
22,297.00	89.10	359.03	11,566.93	10,839.97 N	704.22 E	451,770.36	696,635.37	1.08	10,860.39	-86.64	
22,392.00	89.63	359.59	11,567.98	10,934.95 N	703.07 E	451,865.34	696,634.22	0.81	10,955.24	46.58	
22,487.00	88.58	359.21	11,569.46	11,029.93 N	702.08 E	451,960.32	696,633.23	1.18	11,050.09	-160.11	
22,581.00	88.43	359.34	11,571.92	11,123.89 N	700.89 E	452,054.28	696,632.04	0.21	11,143.91	139.10	
22,676.00	88.33	359.24	11,574.60	11,218.85 N	699.71 E	452,149.24	696,630.86	0.15	11,238.72	-135.01	
22,770.00	88.30	358.78	11,577.37	11,312.79 N	698.09 E	452,243.18	696,629.24	0.49	11,332.50	-93.74	
22,865.00	89.22	0.64	11,579.42	11,407.77 N	697.61 E	452,338.16	696,628.76	2.18	11,427.36	63.70	
22,960.00	88.07	358.07	11,581.67	11,502.72 N	696.54 E	452,433.11	696,627.69	2.96	11,522.18	-114.14	
23,055.00	88.30	359.11	11,584.68	11,597.65 N	694.20 E	452,528.04	696,625.35	1.12	11,616.91	77.54	
23,150.00	90.05	358.86	11,586.05	11,692.62 N	692.52 E	452,623.01	696,623.67	1.86	11,711.72	-8.13	
23,244.00	89.59	358.90	11,586.34	11,786.60 N	690.68 E	452,716.99	696,621.83	0.49	11,805.53	175.03	
23,338.00	89.70	359.12	11,586.92	11,880.58 N	689.06 E	452,810.97	696,620.21	0.26	11,899.35	63.44	
23,433.00	89.77	359.55	11,587.36	11,975.57 N	687.96 E	452,905.96	696,619.11	0.46	11,994.20	80.75	
23,528.00	89.57	359.17	11,587.91	12,070.57 N	686.90 E	453,000.96	696,618.05	0.45	12,089.06	-117.76	
23,623.00	89.06	358.61	11,589.05	12,165.54 N	685.06 E	453,095.93	696,616.21	0.80	12,183.86	-132.33	
23,717.00	89.84	358.66	11,589.95	12,259.51 N	682.82 E	453,189.90	696,613.97	0.83	12,277.64	3.67	
23,812.00	89.62	359.41	11,590.40	12,354.49 N	681.22 E	453,284.88	696,612.37	0.82	12,372.47	106.35	
23,907.00	90.03	0.72	11,590.69	12,449.49 N	681.32 E	453,379.88	696,612.47	1.44	12,467.38	72.62	
24,002.00	89.47	359.74	11,591.10	12,544.49 N	681.71 E	453,474.88	696,612.86	1.19	12,562.30	-119.75	
24,096.00	90.22	0.52	11,591.35	12,638.49 N	681.92 E	453,568.88	696,613.07	1.15	12,656.22	46.12	

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 1H - 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)				
24,191.00	89.95	0.54	11,591.21	12,733.48 N	682.80 E	453,663.87	696,613.95	0.28	12,751.16	175.76	
24,286.00	90.26	0.45	11,591.04	12,828.48 N	683.62 E	453,758.87	696,614.77	0.34	12,846.10	-16.19	
24,381.00	89.71	0.61	11,591.06	12,923.47 N	684.50 E	453,853.86	696,615.65	0.60	12,941.05	163.78	
24,476.00	89.43	359.49	11,591.78	13,018.47 N	684.58 E	453,948.86	696,615.73	1.22	13,035.95	-104.04	
24,570.00	90.49	0.78	11,591.84	13,112.47 N	684.80 E	454,042.86	696,615.95	1.78	13,129.87	50.59	
24,665.00	90.73	0.60	11,590.83	13,207.45 N	685.95 E	454,137.84	696,617.10	0.32	13,224.82	-36.87	
24,760.00	89.93	0.26	11,590.28	13,302.45 N	686.66 E	454,232.84	696,617.81	0.91	13,319.75	-156.97	
24,855.00	90.52	359.66	11,589.91	13,397.45 N	686.59 E	454,327.84	696,617.74	0.89	13,414.66	-45.48	
24,950.00	90.84	358.51	11,588.78	13,492.43 N	685.08 E	454,422.82	696,616.23	1.26	13,509.48	-74.44	
25,045.00	90.25	357.34	11,587.88	13,587.36 N	681.64 E	454,517.75	696,612.79	1.38	13,604.17	-116.76	
25,139.00	90.01	356.83	11,587.67	13,681.24 N	676.86 E	454,611.63	696,608.01	0.60	13,697.75	-115.20	
25,234.00	89.64	357.41	11,587.96	13,776.11 N	672.08 E	454,706.50	696,603.23	0.72	13,792.33	122.54	
25,329.00	90.15	357.94	11,588.13	13,871.04 N	668.23 E	454,801.43	696,599.38	0.77	13,886.99	46.10	
25,424.00	90.93	357.83	11,587.24	13,965.97 N	664.72 E	454,896.36	696,595.87	0.83	13,981.67	-8.03	
25,518.00	90.53	356.57	11,586.04	14,059.84 N	660.13 E	454,990.23	696,591.28	1.41	14,075.26	-107.61	
25,613.00	89.67	356.86	11,585.87	14,154.69 N	654.69 E	455,085.08	696,585.84	0.96	14,169.78	161.36	
25,708.00	90.21	357.39	11,585.97	14,249.57 N	649.92 E	455,179.96	696,581.07	0.80	14,264.36	44.47	
25,803.00	90.49	358.17	11,585.39	14,344.49 N	646.24 E	455,274.88	696,577.39	0.87	14,359.03	70.25	
25,898.00	91.69	0.98	11,583.58	14,439.46 N	645.54 E	455,369.85	696,576.69	3.22	14,453.88	66.85	
25,992.00	90.13	0.59	11,582.09	14,533.44 N	646.83 E	455,463.83	696,577.98	1.71	14,547.82	-165.96	
26,087.00	90.23	0.83	11,581.79	14,628.43 N	648.00 E	455,558.82	696,579.15	0.27	14,642.77	67.38	
26,182.00	90.66	359.30	11,581.06	14,723.42 N	648.11 E	455,653.81	696,579.26	1.67	14,737.68	-74.30	
26,277.00	91.09	359.44	11,579.60	14,818.41 N	647.07 E	455,748.80	696,578.22	0.48	14,832.53	18.03	
26,371.00	90.29	358.72	11,578.47	14,912.39 N	645.56 E	455,842.78	696,576.71	1.14	14,926.35	-138.01	
26,466.00	93.20	359.13	11,575.58	15,007.32 N	643.78 E	455,937.71	696,574.93	3.09	15,021.11	8.01	
26,561.00	92.69	359.81	11,570.70	15,102.18 N	642.90 E	456,032.57	696,574.05	0.89	15,115.85	126.89	
26,656.00	91.43	359.64	11,567.28	15,197.12 N	642.44 E	456,127.51	696,573.59	1.34	15,210.68	-172.32	
26,750.00	91.20	359.82	11,565.13	15,291.09 N	642.00 E	456,221.48	696,573.15	0.31	15,304.54	141.96	
26,845.00	93.26	1.08	11,561.43	15,386.01 N	642.74 E	456,316.40	696,573.89	2.54	15,399.40	31.41	
26,940.00	91.21	358.85	11,557.73	15,480.93 N	642.68 E	456,411.32	696,573.83	3.19	15,494.22	-132.56	
26,997.00	89.86	358.08	11,557.20	15,537.90 N	641.16 E	456,468.29	696,572.31	2.73	15,551.08	-150.34	100HLC @ 26997'MD
27,028.00	89.12	357.66	11,557.47	15,568.88 N	640.01 E	456,499.27	696,571.16	2.73	15,581.98	-150.35	Last MWD Svy @ 27028'MD
27,048.00	89.12	357.66	11,557.78	15,588.86 N	639.19 E	456,519.25	696,570.34	0.00	15,601.90	0.00	Projection to TD @ 27048'MD

HALLIBURTON**Design Report for Nimitz MDP1 13-1 Fed Com 1H - 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
782.89	782.83	7.21	-2.23	Last Gyro @ 782.89'MD
10,816.00	10,761.44	-187.17	615.53	Tie-in @ 10816'MD
10,936.00	10,880.05	-185.59	633.50	First MWD Svy @ 10936'MD
11,224.00	11,139.12	-108.59	718.47	100HLC @ 11224'MD
16,528.00	11,507.59	5,075.46	714.16	SLC @ 16528'MD
21,792.00	11,563.21	10,335.01	706.96	SLC @ 21792'MD
26,997.00	11,557.20	15,537.90	641.16	100HLC @ 26997'MD
27,028.00	11,557.47	15,568.88	640.01	Last MWD Svy @ 27028'MD
27,048.00	11,557.78	15,588.86	639.19	Projection to TD @ 27048'MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/-S (usft)	+E/-W (usft)	
Target	Nimitz 13-1 1H PBHL	2.51	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
17.00	782.89	Gyro (Adjusted from 8ft KB)	3_Gyro-GC_Drill pipe
926.00	10,816.00	Intermediate	Superior
10,936.00	27,028.00	Production	MWD+IFR1+SAG+FDIR Superior
27,048.00	27,048.00	Projection to TD	MWD+IFR1+SAG+FDIR 3_Blind

Design Targets

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



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

Directional Difficulty Index

Average Dogleg over Survey:	1.41 °/100ft	Maximum Dogleg over Survey:	16.49 °/100ft at 11,885.00 usft
Net Tortousity applicable to Plans:	0.94 °/100ft	Directional Difficulty Index:	7.168

Audit Info

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

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: 0.99993646

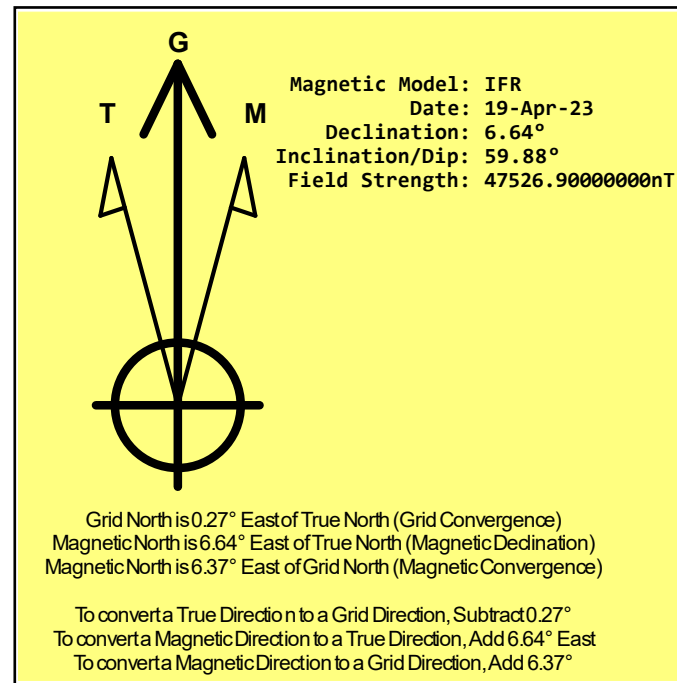
Grid Coordinates of Well: 440,930.39 usft N, 695,931.15 usft E

Geographical Coordinates of Well: 32° 12' 40.343 N, 103° 50' 0.523 W

Grid Convergence at Surface is: 0.27°

Based upon Minimum Curvature type calculations, at a Measured Depth of 27,048.00usft
the Bottom Hole Displacement is 15,601.96usft in the Direction of 2.35° (Grid).

Magnetic Convergence at surface is: -6.37° (19 April 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 / 32.2110632 / -103.8334784	County or Parish/State: EDDY / NM
Well Number: 1H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM120897	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548588	Well Status: Producing Oil Well	Operator: OXY USA INCORPORATED

Subsequent Report

Sundry ID: 2747421

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: 02:16

Actual Procedure: RUPU 06/24/23, RIH & clean out to PBTD @ 27003', pressure test casing to 6000# for 30 min, good test. RIH & perf @ 11679-26906' Total 3714 holes. Frac in 62 stages w/ 531475BBL Produced Water + 3066BBL Brackish Water (> 1,000 mg/I TDS and 10,000 mg/I TDS) w/ 38221143# 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 8:26:49 AM

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Well Name: NIMITZ MDP1 13_1 FEDERAL COM	Well Location: T24S / R30E / SEC 13 / SWSE / 32.2110632 / -103.8334784	County or Parish/State: EDDY / NM
Well Number: 1H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM120897	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548588	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 02:15 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. 30-015-48588			
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: 1H			
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		211	SOUTH	2413	EAST	EDDY
BH:	L 2	1	24S	30E		49	NORTH	1711	EAST	EDDY
13. Date Spudded 1/11/23	14. Date T.D. Reached 5/7/2023		15. Date Rig Released 5/11/2023		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 27048'M 11558'V			19. Plug Back Measured Depth 27003'M 11558'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 11679-26906' 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		792'		14.75"		765sx-surf circ		
7.625" HCL80		26.4		10836'		9.875"		2814sx-surf		
5.5" P110 ICY		20		27028'		6.75"		1242sx-TOC@9748'		
24. LINER RECORD										
SIZE	TOP	BOTTOM		SACKS CEMENT	SCREEN		25. TUBING RECORD			
							SIZE		DEPTH SET	
									PACKER SET	
26. Perforation record (interval, size, and number) 11679-26906' Total 3714 holes, Hole Size=0.42										
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.						DEPTH INTERVAL				
						AMOUNT AND KIND MATERIAL USED				
						11679-26906'				
						531475BBL Produced Water + 3066BBL Brackish Water (> 1,000 mg/l TDS and 10,000 mg/l TDS) w/ 38221143# sand				
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
08/3/2023		FLOWING				Prod.				
Date of Test	Hours Tested	Choke Size	Prod'n For	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
08/22/2023	24 hrs.	61/128	Test Period	3258	4849	7190	1488			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
	2285		3258	4849	7190					
29. Disposition of Gas (Sold, used for fuel, vented, etc.) 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:		Name:		Title:		Date:				
<i>Jana Mendiola</i>		Jana Mendiola		Sr. Regulatory Analyst		09/11/2023				
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 514'	T. Bell Canyon 4224'	T. Ojo Alamo	T. Penn A"
T. Salado 834'	T. Strawn	T. Kirtland	T. Penn. "B"
T. Castile 2204'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Delaware 4157'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. Cherry Canyon 5160'	T. Devonian	T. Cliff House	T. Leadville
T. Brushy Canyon 6320'	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 9065'	T. Entrada	
T. Wolfcamp 11562'	T. 2 nd Bone Spring 9743'	T. Wingate	
T. Penn	T. 3 rd Bone Spring 11023'	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.

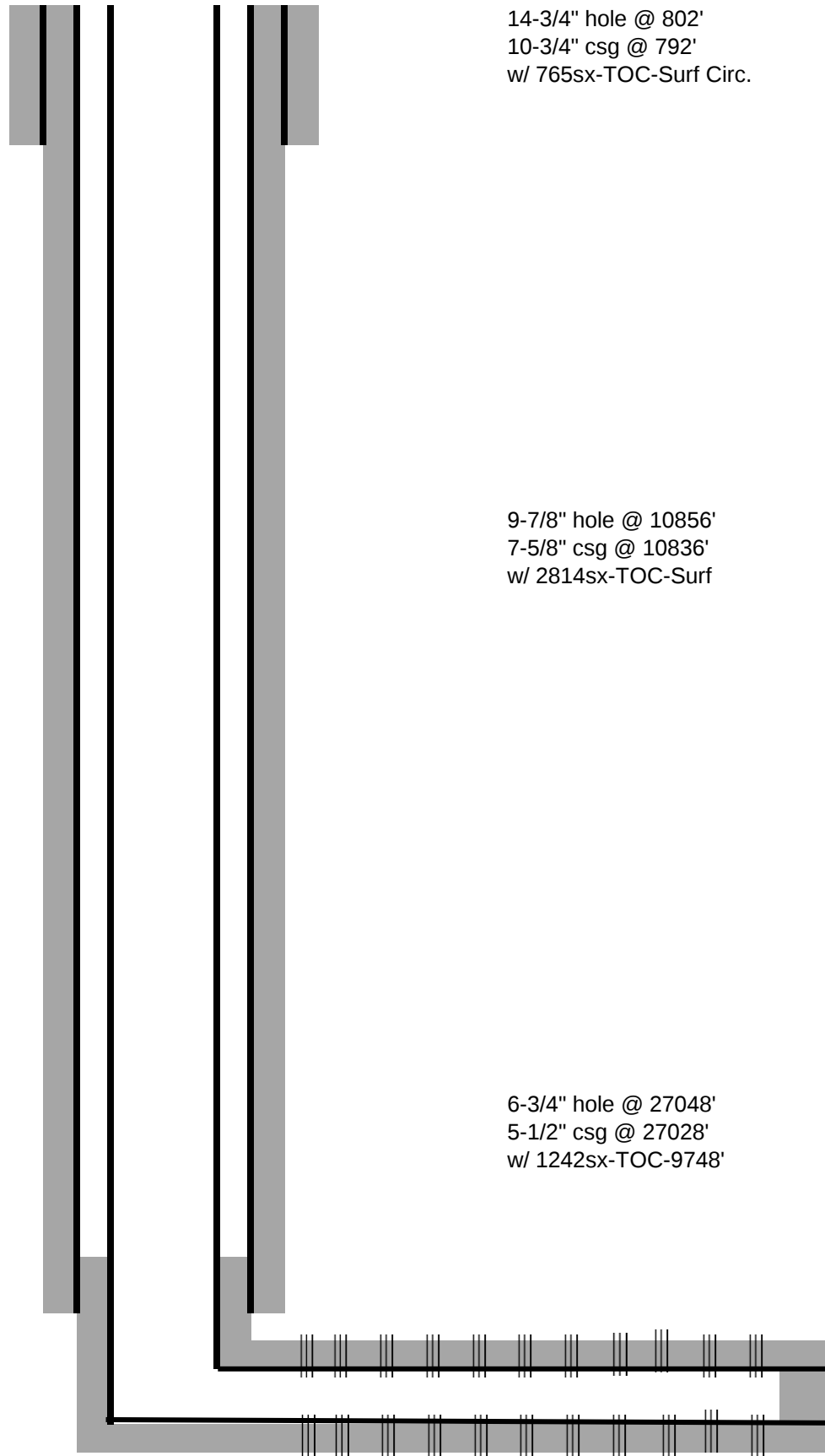
No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

(Attach additional sheets if necessary)

From	To	Thickness In Feet	Lithology

OXY USA Inc.
NIMITZ MDP1 13-1 FEDERAL COM 1H
API No. 30-015-48588



Perfs @ 11679-26906'

TD- 27048'M 11558'V

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Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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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

ACKNOWLEDGMENTS

Action 264199

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 264199
	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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State of New Mexico
Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 264199

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 264199
	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