

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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. PO BOX 50250 MIDLAND, TX 79710		² OGRID Number 16696
		³ Reason for Filing Code/ Effective Date NW- 5/20/2023
⁴ API Number 30 - 015-48597	⁵ Pool Name WC 22S31E13; WOLFCAMP	
⁶ Pool Code 98351		
⁷ Property Code 329719	⁸ Property Name TOP SPOT 12 13 FEDERAL COM	⁹ Well Number 031H

II. ¹⁰ Surface Location

UL or lot no. N	Section 13	Township 22S	Range 31E	Lot Idn	Feet from the 475	North/South Line South	Feet from the 2022	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. D	Section 12	Township 22S	Range 31E	Lot Idn	Feet from the 52	North/South line North	Feet from the 321	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 5/23/23	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

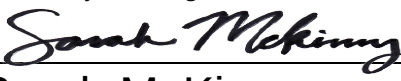
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
237722	Centerion Pipeline L.P.	O
248749	DCP Midstream, L.P.	G

IV. Well Completion Data

²¹ Spud Date 10/28/2022	²² Ready Date 05/20/2023	²³ TD 22497' MD, 11680' TVD	²⁴ PBTD 22455' MD, 11680' TVD	²⁵ Perforations 12,092'–22,357'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17 1/2"		13 3/8" 54.5# J-55 BTC	890'		1090sx - TOC 0'
12 1/4"		9 5/8" 40# HCL80	4566'		1314 sx - TOC 0'
8 3/4"		7 5/8" 26.4# HCL 80	10968'		685 sx - TOC 3064'
6 3/4"		5 1/2" 20# P110	22477'		875 sx - TOC 10642'

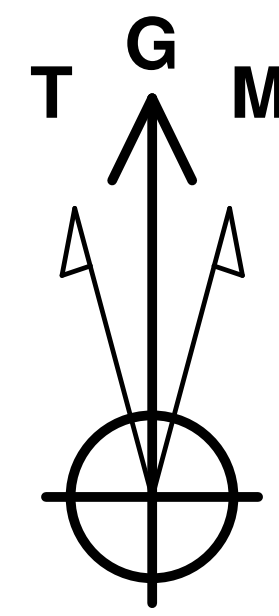
V. Well Test Data

³¹ Date New Oil 05/23/2023	³² Gas Delivery Date 05/23/2023	³³ Test Date 06/07/2023	³⁴ Test Length 24 Hours	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 3465
³⁷ Choke Size 0	³⁸ Oil 3910	³⁹ Water 3623	⁴⁰ Gas 4718		⁴¹ Test Method Flowing

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: 		OIL CONSERVATION DIVISION	
Printed name: Sarah McKinney		Approved by:	
Title: Regulatory Analyst Sr.		Title:	
E-mail Address: sarah_mckinney@oxy.com		Approval Date:	
Date: 12/14/2023	Phone: 713-215-7295		

As-Drilled Plate

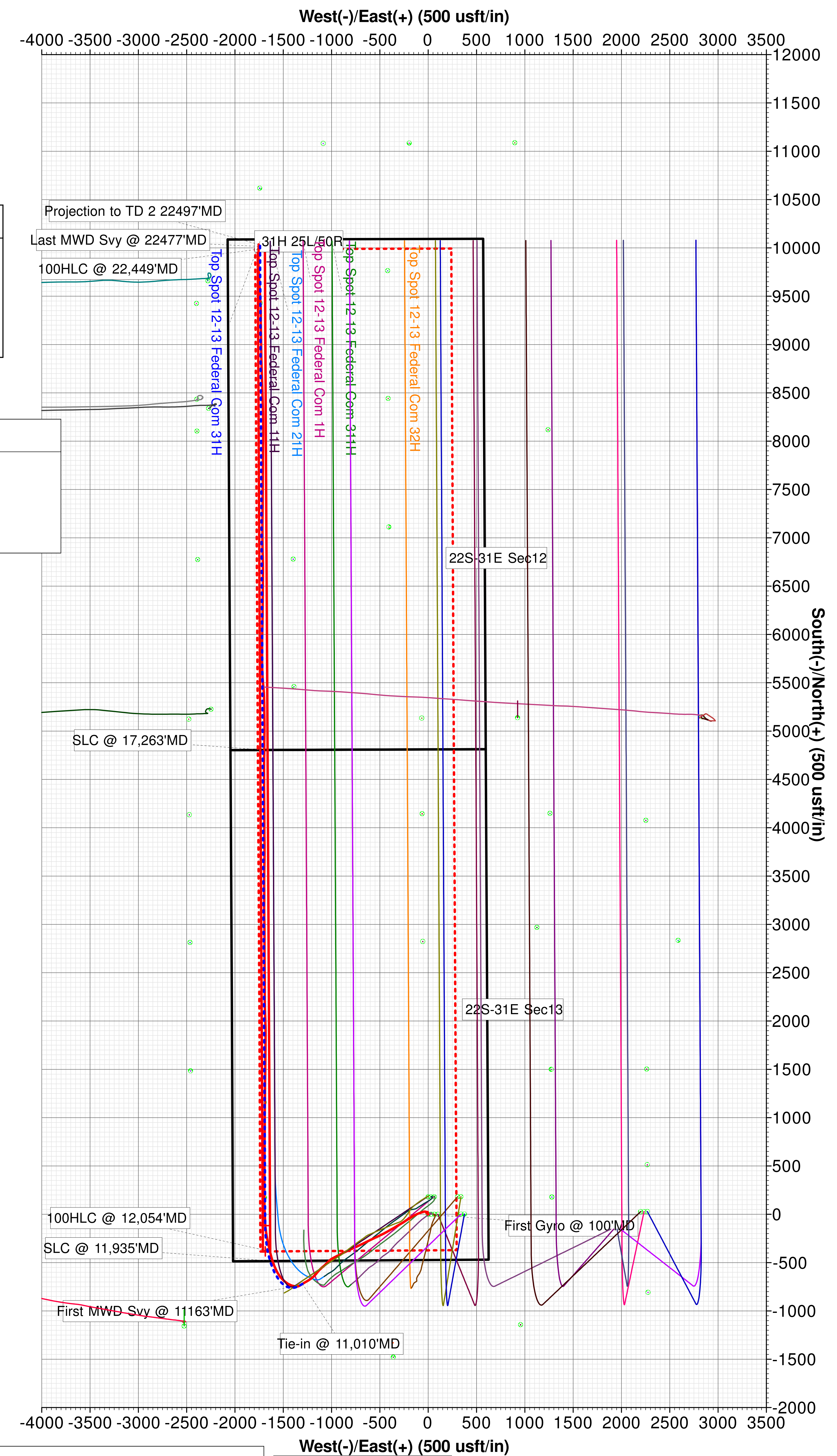
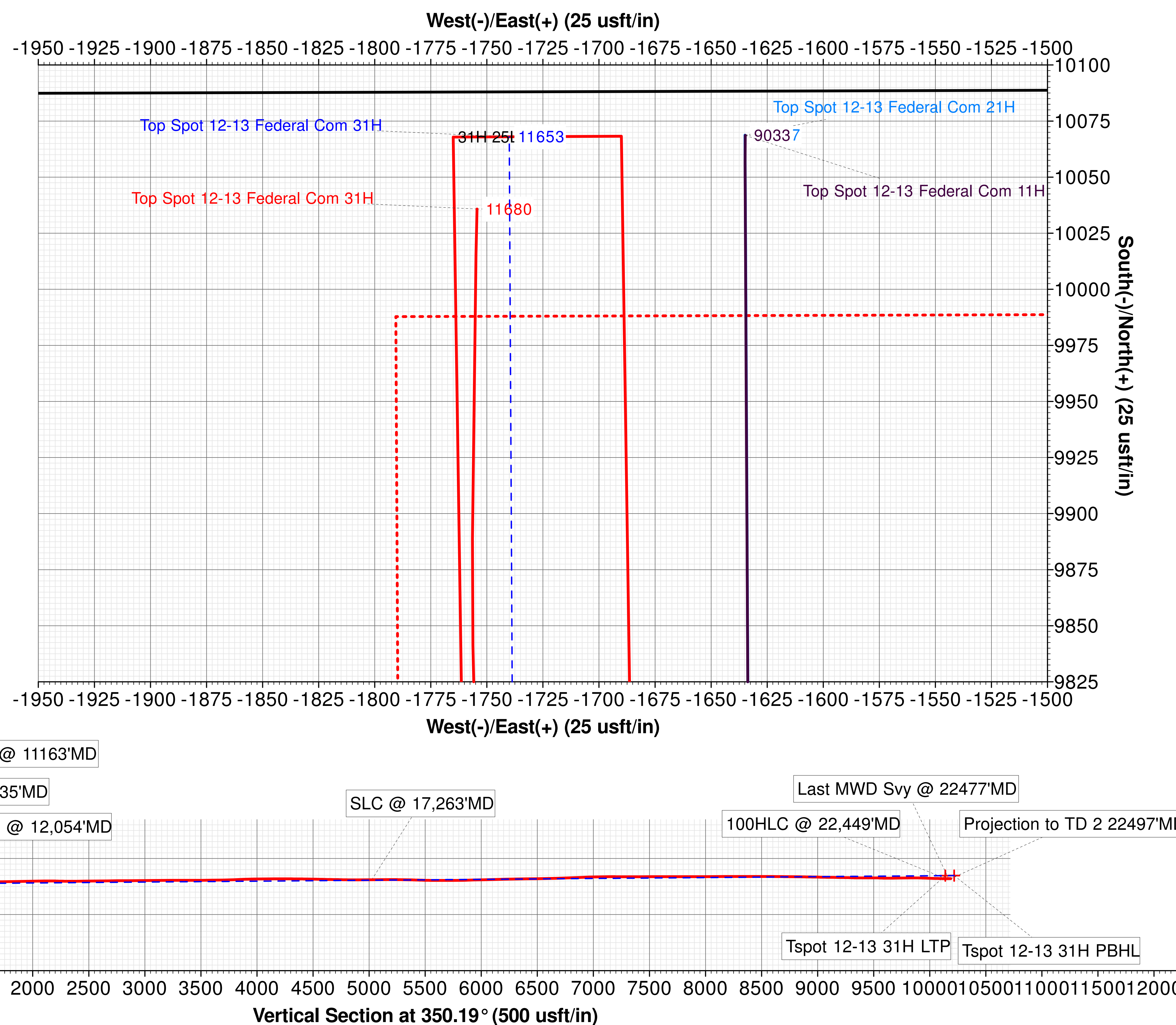
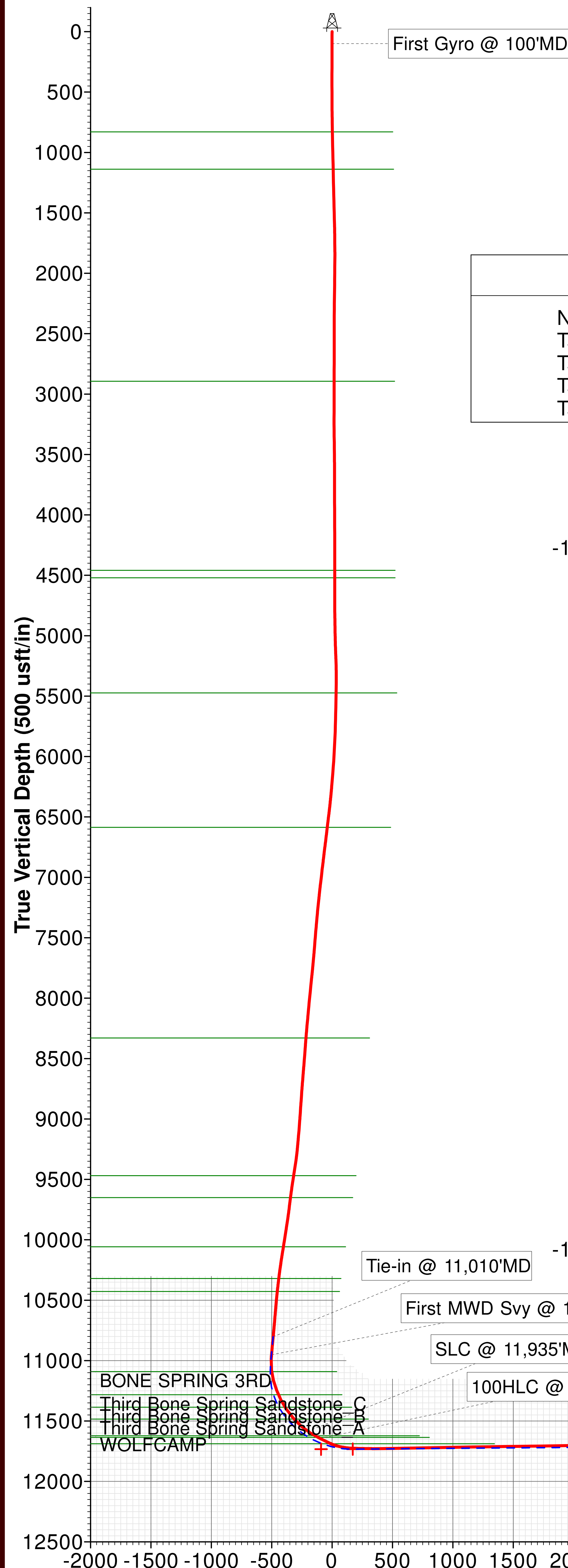
Released to Imaging: 2/1/2024 9:57:21 AM



WELL DETAILS						
		GL 3566' + RKB 26' @ 3592.00usft (H&P 419)				
+N/-S	+E/-W	Northing	Easting	Latitude		Longitude
0.00	0.00	504514.20	726491.30	32° 23'	7.985 N	103° 44' 0.676 W

SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Annotation	
11010.00	14.59	238.32	10802.60	-720.02	-1301.79	0.00	0.00	-487.81	Tie-in @ 11,010'MD / Start Hold	
11180.00	14.59	238.32	10967.12	-742.51	-1338.23	0.00	0.00	-503.77	KOP @ 8.94%/100ft	
11322.46	25.65	257.45	11100.81	-758.70	-1383.78	8.94	40.06	-511.96	Build/Turn @ 8.94%/100ft	
12392.71	90.45	359.70	11733.25	-117.50	-1686.58	8.94	100.88	171.44	Landing Point	
22578.67	90.45	359.70	11652.75	10068.00	-1740.00	0.00	0.00	10217.25	TD at 22578.67	

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Tspot 12-13 31H PBHL	11652.75	10068.00	-1740.00	514582.20	724751.30	32° 24' 47.707 N103° 44'	20.315 W
Tspot 12-13 31H LTP	11653.37	9988.00	-1739.60	514502.20	724751.70	32° 24' 46.915 N103° 44'	20.316 W
Tspot 12-13 31H LndPt	11733.25	-117.50	-1686.58	504396.70	724804.72	32° 23' 6.915 N103° 44'	20.352 W
Tspot 12-13 31H FTP	11733.71	-383.90	-1685.10	504130.30	724806.20	32° 23' 4.279 N103° 44'	20.352 W



Target Center Line
11,733' TVD @ 0' VS; 90.45° INC

Created By: Chad Stich
Date: 12:08, March 20 2023

HALLIBURTON | Sperry Drilling

H&P 419

Occidental Petroleum Corporation

Eddy County, NM (NAD83) Top Spot 12-13

API# 30-015-48597

Top Spot 12-13 Federal Com 31H

OH

Design: Final Surveys

Sperry Drilling Services

Combo Report

20 March, 2023

Well Coordinates: 32° 23' 7.985 N
103° 44' 0.676 W

North American Datum 1983
New Mexico Eastern Zone
504,514.20 N
726,491.30 E

Ground Level: 3,566.00 usft

Local Coordinate Origin:

Centered on Well Top Spot 12-13 Federal Com 31H

Viewing Datum:

GL 3566' + RKB 26' @ 3592.00usft (H&P 419)

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 Top Spot 12-13 Federal Com 31H - 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)				
0.00	0.00	0.00	0.00	0.00 N	0.00 E	504,514.20	726,491.30	0.00	0.00	0.00	First Gyro @ 100'MD
100.00	0.34	222.84	100.00	0.22 S	0.20 W	504,513.98	726,491.10	0.34	-0.18	222.84	
150.00	0.38	223.12	150.00	0.45 S	0.42 W	504,513.75	726,490.88	0.08	-0.37	2.66	
200.00	0.37	222.38	200.00	0.69 S	0.64 W	504,513.51	726,490.66	0.02	-0.57	-154.53	
250.00	0.38	223.54	250.00	0.93 S	0.86 W	504,513.27	726,490.44	0.03	-0.77	37.79	
300.00	0.33	232.82	300.00	1.13 S	1.09 W	504,513.07	726,490.21	0.15	-0.93	135.59	
350.00	0.30	242.62	349.99	1.28 S	1.32 W	504,512.92	726,489.98	0.12	-1.04	123.95	
400.00	0.23	272.52	399.99	1.34 S	1.54 W	504,512.86	726,489.76	0.31	-1.06	131.27	
450.00	0.23	275.16	449.99	1.32 S	1.74 W	504,512.88	726,489.56	0.02	-1.01	91.32	
500.00	0.23	307.89	499.99	1.25 S	1.92 W	504,512.95	726,489.38	0.26	-0.91	106.36	
550.00	0.26	314.97	549.99	1.11 S	2.08 W	504,513.09	726,489.22	0.09	-0.74	48.84	
600.00	0.37	326.63	599.99	0.90 S	2.25 W	504,513.30	726,489.05	0.25	-0.50	36.15	
650.00	0.60	325.22	649.99	0.55 S	2.48 W	504,513.65	726,488.82	0.46	-0.12	-3.68	
700.00	0.83	318.88	699.99	0.06 S	2.87 W	504,514.14	726,488.43	0.49	0.43	-22.17	
750.00	1.08	316.87	749.98	0.56 N	3.43 W	504,514.76	726,487.87	0.50	1.13	-8.64	
800.00	1.14	317.19	799.97	1.27 N	4.09 W	504,515.47	726,487.21	0.12	1.95	6.06	
850.00	1.24	318.23	849.96	2.04 N	4.79 W	504,516.24	726,486.51	0.20	2.82	12.71	
900.00	1.29	318.76	899.95	2.86 N	5.52 W	504,517.06	726,485.78	0.10	3.76	13.44	
950.00	1.36	319.82	949.93	3.74 N	6.28 W	504,517.94	726,485.02	0.15	4.75	19.83	
1,000.00	1.44	321.31	999.92	4.68 N	7.05 W	504,518.88	726,484.25	0.18	5.81	25.21	
1,050.00	1.44	321.70	1,049.90	5.67 N	7.83 W	504,519.87	726,483.47	0.02	6.92	90.19	
1,100.00	1.47	322.09	1,099.89	6.66 N	8.62 W	504,520.86	726,482.68	0.06	8.03	18.46	
1,150.00	1.49	321.05	1,149.87	7.68 N	9.42 W	504,521.88	726,481.88	0.07	9.17	-53.85	
1,200.00	1.53	320.82	1,199.85	8.70 N	10.25 W	504,522.90	726,481.05	0.08	10.32	-8.73	
1,250.00	1.55	319.90	1,249.83	9.73 N	11.11 W	504,523.93	726,480.19	0.06	11.48	-51.49	
1,300.00	1.56	320.14	1,299.82	10.77 N	11.98 W	504,524.97	726,479.32	0.02	12.66	33.20	
1,350.00	1.58	321.39	1,349.80	11.83 N	12.84 W	504,526.03	726,478.46	0.08	13.85	60.34	
1,400.00	1.59	320.56	1,399.78	12.91 N	13.72 W	504,527.11	726,477.58	0.05	15.06	-66.88	
1,450.00	1.65	320.18	1,449.76	14.00 N	14.62 W	504,528.20	726,476.68	0.12	16.28	-10.34	
1,500.00	1.70	321.20	1,499.74	15.13 N	15.54 W	504,529.33	726,475.76	0.12	17.55	31.32	
1,550.00	1.68	321.71	1,549.72	16.28 N	16.46 W	504,530.48	726,474.84	0.05	18.85	143.31	
1,600.00	1.61	321.98	1,599.69	17.41 N	17.35 W	504,531.61	726,473.95	0.14	20.11	173.82	
1,650.00	1.26	319.57	1,649.68	18.38 N	18.14 W	504,532.58	726,473.16	0.71	21.20	-171.42	
1,700.00	0.75	308.36	1,699.67	19.00 N	18.75 W	504,533.20	726,472.55	1.09	21.92	-164.46	
1,750.00	0.73	307.54	1,749.67	19.40 N	19.26 W	504,533.60	726,472.04	0.05	22.40	-152.51	
1,800.00	0.63	305.91	1,799.66	19.76 N	19.74 W	504,533.96	726,471.56	0.20	22.83	-169.87	

HALLIBURTON**Design Report for Top Spot 12-13 Federal Com 31H - 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 (°)	
1,850.00	0.24	277.21	1,849.66	19.93 N	20.06 W	504,534.13	726,471.24	0.87	23.06	-164.64	
1,900.00	0.48	159.61	1,899.66	19.75 N	20.09 W	504,533.95	726,471.21	1.26	22.88	-137.39	
1,950.00	0.59	160.33	1,949.66	19.31 N	19.93 W	504,533.51	726,471.37	0.22	22.42	3.86	
2,000.00	0.59	159.26	1,999.66	18.83 N	19.76 W	504,533.03	726,471.54	0.02	21.91	-90.53	
2,050.00	0.65	153.34	2,049.65	18.33 N	19.54 W	504,532.53	726,471.76	0.18	21.39	-49.86	
2,100.00	0.70	155.78	2,099.65	17.80 N	19.28 W	504,532.00	726,472.02	0.12	20.82	31.12	
2,150.00	0.85	152.35	2,149.65	17.19 N	18.99 W	504,531.39	726,472.31	0.31	20.17	-18.91	
2,200.00	0.90	148.36	2,199.64	16.53 N	18.61 W	504,530.73	726,472.69	0.16	19.46	-52.63	
2,250.00	0.91	144.99	2,249.63	15.87 N	18.17 W	504,530.07	726,473.13	0.11	18.73	-81.05	
2,300.00	0.65	133.48	2,299.63	15.35 N	17.74 W	504,529.55	726,473.56	0.60	18.15	-154.59	
2,350.00	0.41	106.39	2,349.63	15.10 N	17.36 W	504,529.30	726,473.94	0.68	17.84	-146.77	
2,400.00	0.37	85.50	2,399.63	15.07 N	17.03 W	504,529.27	726,474.27	0.29	17.75	-115.99	
2,450.00	0.40	80.98	2,449.62	15.11 N	16.70 W	504,529.31	726,474.60	0.09	17.73	-47.63	
2,500.00	0.40	87.22	2,499.62	15.14 N	16.35 W	504,529.34	726,474.95	0.09	17.71	93.12	
2,550.00	0.44	85.53	2,549.62	15.17 N	15.99 W	504,529.37	726,475.31	0.08	17.67	-18.05	
2,600.00	0.42	85.76	2,599.62	15.19 N	15.61 W	504,529.39	726,475.69	0.04	17.63	175.18	
2,650.00	0.47	82.65	2,649.62	15.23 N	15.23 W	504,529.43	726,476.07	0.11	17.60	-27.34	
2,700.00	0.53	88.51	2,699.62	15.27 N	14.79 W	504,529.47	726,476.51	0.16	17.56	43.40	
2,750.00	0.51	85.74	2,749.61	15.29 N	14.34 W	504,529.49	726,476.96	0.06	17.51	-129.88	
2,800.00	0.56	92.36	2,799.61	15.29 N	13.87 W	504,529.49	726,477.43	0.16	17.43	54.37	
2,850.00	0.53	94.13	2,849.61	15.27 N	13.40 W	504,529.47	726,477.90	0.07	17.33	151.58	
2,900.00	0.63	92.49	2,899.61	15.24 N	12.89 W	504,529.44	726,478.41	0.20	17.21	-10.25	
2,950.00	0.67	97.01	2,949.60	15.19 N	12.33 W	504,529.39	726,478.97	0.13	17.07	54.32	
3,000.00	0.67	92.40	2,999.60	15.14 N	11.74 W	504,529.34	726,479.56	0.11	16.92	-92.30	
3,050.00	0.74	93.90	3,049.60	15.11 N	11.13 W	504,529.31	726,480.17	0.14	16.78	15.52	
3,100.00	0.70	92.41	3,099.59	15.08 N	10.50 W	504,529.28	726,480.80	0.09	16.64	-155.66	
3,150.00	0.75	92.18	3,149.59	15.05 N	9.87 W	504,529.25	726,481.43	0.10	16.51	-3.45	
3,200.00	0.68	91.70	3,199.59	15.03 N	9.25 W	504,529.23	726,482.05	0.14	16.38	-175.35	
3,250.00	0.58	59.40	3,249.58	15.15 N	8.73 W	504,529.35	726,482.57	0.73	16.41	-121.48	
3,300.00	0.63	4.78	3,299.58	15.55 N	8.49 W	504,529.75	726,482.81	1.11	16.77	-112.73	
3,350.00	0.79	345.37	3,349.58	16.16 N	8.56 W	504,530.36	726,482.74	0.57	17.38	-66.33	
3,400.00	0.75	350.11	3,399.57	16.81 N	8.70 W	504,531.01	726,482.60	0.15	18.05	124.48	
3,450.00	0.72	348.21	3,449.57	17.44 N	8.82 W	504,531.64	726,482.48	0.08	18.69	-141.86	
3,500.00	0.64	357.37	3,499.56	18.03 N	8.90 W	504,532.23	726,482.40	0.27	19.28	130.87	
3,550.00	0.66	1.32	3,549.56	18.60 N	8.90 W	504,532.80	726,482.40	0.10	19.84	67.93	
3,600.00	0.56	39.43	3,599.56	19.07 N	8.74 W	504,533.27	726,482.56	0.82	20.28	122.40	
3,650.00	0.68	71.02	3,649.56	19.36 N	8.31 W	504,533.56	726,482.99	0.71	20.49	86.91	

HALLIBURTON**Design Report for Top Spot 12-13 Federal Com 31H - 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)				
3,700.00	0.88	89.14	3,699.55	19.46 N	7.64 W	504,533.66	726,483.66	0.63	20.48	60.26	
3,750.00	1.08	92.70	3,749.54	19.45 N	6.79 W	504,533.65	726,484.51	0.42	20.32	18.72	
3,800.00	1.06	92.79	3,799.54	19.40 N	5.85 W	504,533.60	726,485.45	0.04	20.11	175.24	
3,850.00	0.50	64.09	3,849.53	19.47 N	5.20 W	504,533.67	726,486.10	1.33	20.07	-158.87	
3,900.00	0.50	336.22	3,899.53	19.77 N	5.09 W	504,533.97	726,486.21	1.39	20.35	-133.93	
3,950.00	0.47	337.39	3,949.53	20.16 N	5.25 W	504,534.36	726,486.05	0.06	20.76	162.32	
4,000.00	0.27	349.65	3,999.53	20.46 N	5.35 W	504,534.66	726,485.95	0.43	21.08	164.46	
4,050.00	0.19	10.14	4,049.53	20.66 N	5.36 W	504,534.86	726,485.94	0.23	21.27	144.14	
4,100.00	0.21	40.70	4,099.53	20.81 N	5.29 W	504,535.01	726,486.01	0.21	21.41	94.91	
4,150.00	0.22	33.29	4,149.53	20.96 N	5.17 W	504,535.16	726,486.13	0.06	21.54	-73.95	
4,200.00	0.27	59.88	4,199.52	21.10 N	5.02 W	504,535.30	726,486.28	0.25	21.65	79.94	
4,250.00	0.34	66.37	4,249.52	21.22 N	4.78 W	504,535.42	726,486.52	0.16	21.72	29.54	
4,300.00	0.36	70.12	4,299.52	21.33 N	4.50 W	504,535.53	726,486.80	0.06	21.79	50.76	
4,350.00	0.38	73.43	4,349.52	21.43 N	4.19 W	504,535.63	726,487.11	0.06	21.83	48.57	
4,400.00	0.34	80.76	4,399.52	21.50 N	3.89 W	504,535.70	726,487.41	0.12	21.85	134.60	
4,450.00	0.36	86.36	4,449.52	21.54 N	3.58 W	504,535.74	726,487.72	0.08	21.83	62.51	
4,500.00	0.29	91.70	4,499.52	21.54 N	3.30 W	504,535.74	726,488.00	0.15	21.79	159.26	
4,550.00	0.35	79.85	4,549.52	21.57 N	3.02 W	504,535.77	726,488.28	0.18	21.77	-53.83	
4,560.48	0.38	79.06	4,560.00	21.58 N	2.96 W	504,535.78	726,488.34	0.26	21.77	-10.85	9 5/8" Casing
4,600.00	0.48	76.89	4,599.52	21.64 N	2.67 W	504,535.84	726,488.63	0.26	21.78	-10.06	
4,650.00	0.44	92.39	4,649.52	21.68 N	2.27 W	504,535.88	726,489.03	0.26	21.75	115.47	
4,700.00	0.26	297.21	4,699.52	21.72 N	2.18 W	504,535.92	726,489.12	1.37	21.78	-170.83	
4,750.00	1.42	279.44	4,749.51	21.88 N	2.89 W	504,536.08	726,488.41	2.35	22.05	-21.64	
4,800.00	1.53	278.34	4,799.49	22.08 N	4.17 W	504,536.28	726,487.13	0.23	22.46	-14.99	
4,850.00	1.71	279.85	4,849.47	22.30 N	5.56 W	504,536.50	726,485.74	0.37	22.92	14.10	
4,900.00	2.62	281.79	4,899.44	22.66 N	7.41 W	504,536.86	726,483.89	1.83	23.59	5.57	
4,950.00	2.96	279.53	4,949.38	23.11 N	9.81 W	504,537.31	726,481.49	0.71	24.44	-19.06	
5,000.00	3.86	278.21	4,999.29	23.56 N	12.75 W	504,537.76	726,478.55	1.81	25.39	-5.64	
5,050.00	4.23	281.08	5,049.16	24.16 N	16.22 W	504,538.36	726,475.08	0.84	26.57	30.12	
5,100.00	4.92	284.53	5,099.00	25.05 N	20.11 W	504,539.25	726,471.19	1.49	28.11	23.47	
5,150.00	5.14	283.77	5,148.81	26.12 N	24.36 W	504,540.32	726,466.94	0.46	29.89	-17.23	
5,200.00	5.98	280.33	5,198.58	27.12 N	29.09 W	504,541.32	726,462.21	1.81	31.68	-23.36	
5,250.00	6.05	275.42	5,248.30	27.84 N	34.28 W	504,542.04	726,457.02	1.04	33.27	-84.70	
5,300.00	6.44	264.38	5,298.01	27.81 N	39.69 W	504,542.01	726,451.61	2.52	34.17	-77.55	
5,350.00	6.27	261.88	5,347.70	27.15 N	45.19 W	504,541.35	726,446.11	0.65	34.45	-122.80	
5,400.00	6.51	252.26	5,397.39	25.90 N	50.59 W	504,540.10	726,440.71	2.19	34.14	-82.17	
5,450.00	6.52	252.36	5,447.07	24.18 N	56.00 W	504,538.38	726,435.30	0.03	33.36	48.66	

HALLIBURTON**Design Report for Top Spot 12-13 Federal Com 31H - 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)				
5,500.00	6.55	252.30	5,496.74	22.45 N	61.42 W	504,536.65	726,429.88	0.06	32.58	-12.85	
5,550.00	6.74	251.42	5,546.41	20.65 N	66.92 W	504,534.85	726,424.38	0.43	31.74	-28.63	
5,600.00	6.62	249.78	5,596.07	18.72 N	72.40 W	504,532.92	726,418.90	0.45	30.77	-122.98	
5,650.00	7.68	251.70	5,645.68	16.67 N	78.28 W	504,530.87	726,413.02	2.17	29.76	13.66	
5,700.00	8.41	251.08	5,695.18	14.44 N	84.91 W	504,528.64	726,406.39	1.47	28.69	-7.09	
5,750.00	8.98	249.50	5,744.61	11.89 N	92.02 W	504,526.09	726,399.28	1.24	27.38	-23.52	
5,800.00	10.02	247.76	5,793.92	8.87 N	99.70 W	504,523.07	726,391.60	2.16	25.72	-16.30	
5,850.00	11.26	246.06	5,843.06	5.25 N	108.19 W	504,519.45	726,383.11	2.56	23.59	-15.04	
5,900.00	11.69	246.04	5,892.06	1.21 N	117.28 W	504,515.41	726,374.02	0.86	21.16	-0.54	
5,950.00	11.50	246.12	5,941.04	2.87 S	126.47 W	504,511.33	726,364.83	0.38	18.71	175.20	
6,000.00	11.55	245.50	5,990.04	6.96 S	135.58 W	504,507.24	726,355.72	0.27	16.23	-68.32	
6,050.00	12.01	239.24	6,038.98	11.70 S	144.61 W	504,502.50	726,346.69	2.71	13.10	-73.29	
6,100.00	11.88	238.31	6,087.90	17.06 S	153.46 W	504,497.14	726,337.84	0.46	9.32	-124.49	
6,150.00	11.56	238.33	6,136.86	22.40 S	162.10 W	504,491.80	726,329.20	0.64	5.54	179.28	
6,200.00	11.95	238.51	6,185.81	27.73 S	170.78 W	504,486.47	726,320.52	0.78	1.76	5.46	
6,250.00	12.73	238.82	6,234.65	33.29 S	179.91 W	504,480.91	726,311.39	1.57	-2.16	5.01	
6,300.00	13.52	237.98	6,283.35	39.24 S	189.57 W	504,474.96	726,301.73	1.63	-6.38	-13.98	
6,350.00	14.38	237.65	6,331.87	45.66 S	199.77 W	504,468.54	726,291.53	1.73	-10.97	-5.45	
6,400.00	14.94	237.44	6,380.24	52.45 S	210.45 W	504,461.75	726,280.85	1.13	-15.84	-5.52	
6,450.00	15.90	237.14	6,428.44	59.63 S	221.64 W	504,454.57	726,269.66	1.93	-21.02	-4.89	
6,500.00	16.78	236.54	6,476.42	67.33 S	233.41 W	504,446.87	726,257.89	1.79	-26.60	-11.15	
6,550.00	17.23	236.39	6,524.24	75.41 S	245.60 W	504,438.79	726,245.70	0.90	-32.48	-5.64	
6,600.00	17.88	238.69	6,571.91	83.50 S	258.33 W	504,430.70	726,232.97	1.90	-38.28	47.96	
6,650.00	17.88	238.90	6,619.50	91.45 S	271.46 W	504,422.75	726,219.84	0.13	-43.88	90.10	
6,700.00	18.95	239.25	6,666.93	99.57 S	285.01 W	504,414.63	726,206.29	2.15	-49.57	6.07	
6,750.00	19.52	239.48	6,714.14	107.96 S	299.18 W	504,406.24	726,192.12	1.15	-55.43	7.68	
6,800.00	18.97	239.34	6,761.35	116.35 S	313.37 W	504,397.85	726,177.93	1.10	-61.28	-175.27	
6,850.00	18.28	239.42	6,808.73	124.48 S	327.11 W	504,389.72	726,164.19	1.38	-66.95	177.92	
6,900.00	19.24	240.01	6,856.07	132.59 S	340.99 W	504,381.61	726,150.31	1.96	-72.58	11.46	
6,950.00	19.52	240.18	6,903.24	140.86 S	355.38 W	504,373.34	726,135.92	0.57	-78.28	11.47	
7,000.00	19.19	240.38	6,950.41	149.07 S	369.77 W	504,365.13	726,121.53	0.67	-83.92	168.74	
7,050.00	19.05	240.56	6,997.66	157.15 S	384.02 W	504,357.05	726,107.28	0.30	-89.45	157.25	
7,100.00	19.03	240.78	7,044.92	165.14 S	398.24 W	504,349.06	726,093.06	0.15	-94.90	105.68	
7,150.00	18.72	240.99	7,092.23	173.01 S	412.37 W	504,341.19	726,078.93	0.63	-100.25	167.74	
7,200.00	18.60	241.29	7,139.60	180.73 S	426.38 W	504,333.47	726,064.92	0.31	-105.47	141.49	
7,250.00	17.89	241.14	7,187.09	188.26 S	440.10 W	504,325.94	726,051.20	1.42	-110.57	-176.29	

HALLIBURTON**Design Report for Top Spot 12-13 Federal Com 31H - Final Surveys**

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				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
7,300.00	17.75	241.27	7,234.69	195.64 S	453.51 W	504,318.56	726,037.79	0.29	-115.54	164.20	
7,350.00	17.72	242.49	7,282.31	202.81 S	466.94 W	504,311.39	726,024.36	0.75	-120.33	95.20	
7,400.00	17.54	243.21	7,329.97	209.72 S	480.42 W	504,304.48	726,010.88	0.57	-124.85	129.88	
7,450.00	17.78	244.58	7,377.61	216.40 S	494.04 W	504,297.80	725,997.26	0.96	-129.10	60.65	
7,500.00	17.91	245.09	7,425.20	222.91 S	507.90 W	504,291.29	725,983.40	0.41	-133.16	50.49	
7,550.00	17.72	245.18	7,472.81	229.34 S	521.78 W	504,284.86	725,969.52	0.38	-137.13	171.80	
7,600.00	17.53	245.33	7,520.46	235.68 S	535.53 W	504,278.52	725,955.77	0.39	-141.04	166.63	
7,650.00	17.47	245.44	7,568.15	241.94 S	549.20 W	504,272.26	725,942.10	0.14	-144.88	151.18	
7,700.00	17.50	244.93	7,615.84	248.25 S	562.84 W	504,265.95	725,928.46	0.31	-148.77	-79.17	
7,750.00	18.10	243.85	7,663.44	254.86 S	576.62 W	504,259.34	725,914.68	1.37	-152.94	-29.34	
7,800.00	18.10	243.81	7,710.97	261.71 S	590.56 W	504,252.49	725,900.74	0.02	-157.31	-90.02	
7,850.00	18.91	243.55	7,758.38	268.75 S	604.78 W	504,245.45	725,886.52	1.63	-161.82	-5.94	
7,900.00	19.51	243.64	7,805.60	276.06 S	619.52 W	504,238.14	725,871.78	1.20	-166.52	2.87	
7,950.00	19.83	243.23	7,852.68	283.59 S	634.57 W	504,230.61	725,856.73	0.70	-171.38	-23.52	
8,000.00	19.64	243.73	7,899.74	291.13 S	649.68 W	504,223.07	725,841.62	0.51	-176.23	138.61	
8,050.00	19.71	244.27	7,946.82	298.51 S	664.81 W	504,215.69	725,826.49	0.39	-180.93	69.20	
8,100.00	19.69	244.49	7,993.90	305.79 S	680.01 W	504,208.41	725,811.29	0.15	-185.52	105.20	
8,150.00	19.60	244.78	8,040.99	313.00 S	695.20 W	504,201.20	725,796.10	0.27	-190.03	132.85	
8,200.00	19.79	244.80	8,088.06	320.17 S	710.44 W	504,194.03	725,780.86	0.38	-194.51	2.04	
8,250.00	19.32	244.78	8,135.18	327.30 S	725.58 W	504,186.90	725,765.72	0.94	-198.95	-179.19	
8,300.00	19.09	244.85	8,182.40	334.30 S	740.47 W	504,179.90	725,750.83	0.46	-203.32	174.32	
8,350.00	18.89	245.04	8,229.67	341.19 S	755.21 W	504,173.01	725,736.09	0.42	-207.59	162.91	
8,400.00	18.63	245.45	8,277.02	347.92 S	769.81 W	504,166.28	725,721.49	0.58	-211.74	153.30	
8,450.00	18.31	245.76	8,324.44	354.47 S	784.23 W	504,159.73	725,707.07	0.67	-215.73	163.09	
8,500.00	17.56	246.32	8,372.01	360.72 S	798.30 W	504,153.48	725,693.00	1.54	-219.50	167.32	
8,550.00	16.45	246.41	8,419.83	366.58 S	811.70 W	504,147.62	725,679.60	2.22	-223.00	178.68	
8,600.00	16.51	245.10	8,467.77	372.41 S	824.63 W	504,141.79	725,666.67	0.75	-226.53	-81.46	
8,650.00	16.47	244.47	8,515.72	378.45 S	837.47 W	504,135.75	725,653.83	0.37	-230.30	-102.91	
8,700.00	16.45	242.91	8,563.67	384.73 S	850.17 W	504,129.47	725,641.13	0.88	-234.33	-93.34	
8,750.00	15.37	242.94	8,611.75	390.97 S	862.37 W	504,123.23	725,628.93	2.16	-238.40	179.58	
8,800.00	14.63	242.93	8,660.05	396.86 S	873.90 W	504,117.34	725,617.40	1.48	-242.24	-179.80	
8,850.00	14.80	242.16	8,708.41	402.72 S	885.17 W	504,111.48	725,606.13	0.52	-246.09	-49.38	
8,900.00	14.34	243.53	8,756.80	408.46 S	896.36 W	504,105.74	725,594.94	1.15	-249.84	143.82	
8,950.00	14.13	243.48	8,805.26	413.94 S	907.36 W	504,100.26	725,583.94	0.42	-253.37	-176.67	
9,000.00	14.12	244.33	8,853.75	419.31 S	918.32 W	504,094.89	725,572.98	0.42	-256.79	93.17	
9,050.00	14.36	244.88	8,902.22	424.58 S	929.43 W	504,089.62	725,561.87	0.55	-260.10	29.68	
9,100.00	14.28	244.71	8,950.66	429.85 S	940.62 W	504,084.35	725,550.68	0.18	-263.38	-152.36	

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9,150.00	14.10	243.17	8,999.14	435.23 S	951.63 W	504,078.97	725,539.67	0.84	-266.81	-116.24	
9,200.00	14.32	242.14	9,047.61	440.87 S	962.53 W	504,073.33	725,528.77	0.67	-270.51	-49.47	
9,250.00	14.37	240.96	9,096.05	446.77 S	973.42 W	504,067.43	725,517.88	0.59	-274.47	-80.87	
9,300.00	14.24	240.88	9,144.50	452.78 S	984.22 W	504,061.42	725,507.08	0.26	-278.55	-171.39	
9,350.00	13.68	239.52	9,193.02	458.77 S	994.69 W	504,055.43	725,496.61	1.30	-282.67	-150.29	
9,400.00	13.42	235.98	9,241.63	465.02 S	1,004.59 W	504,049.18	725,486.71	1.74	-287.14	-109.12	
9,450.00	13.71	231.80	9,290.24	471.93 S	1,014.06 W	504,042.27	725,477.24	2.04	-292.34	-75.56	
9,500.00	14.56	228.33	9,338.72	479.77 S	1,023.41 W	504,034.43	725,467.89	2.40	-298.47	-46.60	
9,550.00	15.01	225.66	9,387.07	488.47 S	1,032.73 W	504,025.73	725,458.57	1.63	-305.46	-57.85	
9,600.00	15.08	224.76	9,435.35	497.62 S	1,041.95 W	504,016.58	725,449.35	0.49	-312.90	-73.75	
9,650.00	14.46	223.61	9,483.70	506.75 S	1,050.83 W	504,007.45	725,440.47	1.37	-320.40	-155.25	
9,700.00	14.29	223.87	9,532.14	515.72 S	1,059.41 W	503,998.48	725,431.89	0.36	-327.77	159.33	
9,750.00	14.52	226.08	9,580.56	524.52 S	1,068.20 W	503,989.68	725,423.10	1.19	-334.94	68.37	
9,800.00	14.34	228.61	9,628.99	532.96 S	1,077.37 W	503,981.24	725,413.93	1.31	-341.70	107.16	
9,850.00	14.14	230.36	9,677.45	540.95 S	1,086.71 W	503,973.25	725,404.59	0.95	-347.98	115.77	
9,900.00	13.69	230.81	9,725.98	548.59 S	1,096.00 W	503,965.61	725,395.30	0.93	-353.92	166.70	
9,950.00	14.06	229.02	9,774.52	556.31 S	1,105.17 W	503,957.89	725,386.13	1.13	-359.97	-50.11	
10,000.00	14.38	225.99	9,822.99	564.61 S	1,114.22 W	503,949.59	725,377.08	1.62	-366.60	-68.21	
10,050.00	14.46	223.87	9,871.42	573.42 S	1,123.02 W	503,940.78	725,368.28	1.07	-373.79	-82.41	
10,100.00	14.14	222.20	9,919.87	582.44 S	1,131.44 W	503,931.76	725,359.86	1.04	-381.25	-128.61	
10,150.00	14.06	221.04	9,968.36	591.55 S	1,139.53 W	503,922.65	725,351.77	0.59	-388.85	-106.37	
10,200.00	14.21	220.42	10,016.85	600.80 S	1,147.50 W	503,913.40	725,343.80	0.43	-396.61	-45.57	
10,250.00	13.91	220.22	10,065.35	610.06 S	1,155.36 W	503,904.14	725,335.94	0.61	-404.39	-170.90	
10,300.00	13.44	219.29	10,113.93	619.15 S	1,162.92 W	503,895.05	725,328.38	1.04	-412.06	-155.38	
10,350.00	13.75	221.72	10,162.53	628.08 S	1,170.56 W	503,886.12	725,320.74	1.30	-419.56	62.69	
10,400.00	14.08	224.78	10,211.07	636.83 S	1,178.79 W	503,877.37	725,312.51	1.61	-426.78	67.34	
10,450.00	14.51	227.82	10,259.52	645.36 S	1,187.72 W	503,868.84	725,303.58	1.73	-433.66	61.67	
10,500.00	14.01	231.22	10,307.98	653.35 S	1,197.08 W	503,860.85	725,294.22	1.95	-439.95	122.48	
10,550.00	14.13	232.61	10,356.48	660.85 S	1,206.65 W	503,853.35	725,284.65	0.72	-445.71	71.12	
10,600.00	14.43	234.64	10,404.93	668.16 S	1,216.58 W	503,846.04	725,274.72	1.17	-451.22	60.06	
10,650.00	14.23	236.70	10,453.38	675.14 S	1,226.79 W	503,839.06	725,264.51	1.10	-456.36	112.41	
10,700.00	13.69	237.37	10,501.90	681.71 S	1,236.91 W	503,832.49	725,254.39	1.13	-461.10	163.66	
10,750.00	13.45	239.16	10,550.51	687.88 S	1,246.89 W	503,826.32	725,244.41	0.97	-465.48	120.61	
10,800.00	13.93	239.99	10,599.09	693.87 S	1,257.09 W	503,820.33	725,234.21	1.04	-469.65	22.66	
10,850.00	14.15	241.21	10,647.59	699.82 S	1,267.66 W	503,814.38	725,223.64	0.74	-473.72	53.97	
10,900.00	14.01	239.86	10,696.09	705.80 S	1,278.25 W	503,808.40	725,213.05	0.71	-477.81	-113.74	
10,950.00	14.63	238.76	10,744.54	712.12 S	1,288.88 W	503,802.08	725,202.42	1.35	-482.22	-24.23	

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				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
11,000.00	14.59	238.32	10,792.92	718.70 S	1,299.64 W	503,795.50	725,191.66	0.24	-486.87	-110.03	
11,010.00	14.59	238.32	10,802.60	720.02 S	1,301.79 W	503,794.18	725,189.51	0.00	-487.81	0.00	Tie-in @ 11,010'MD
11,143.14	12.61	237.79	10,932.00	736.58 S	1,328.36 W	503,777.62	725,162.94	1.49	-499.60	-176.66	7 5/8" Liner
11,163.00	12.32	237.70	10,951.39	738.87 S	1,331.99 W	503,775.33	725,159.31	1.49	-501.24	-176.15	First MWD Svy @ 11163'MD
11,203.00	17.04	248.43	10,990.08	743.31 S	1,341.05 W	503,770.89	725,150.25	13.57	-504.07	35.22	
11,298.00	24.09	275.44	11,079.16	746.60 S	1,373.41 W	503,767.60	725,117.89	12.26	-501.80	66.61	
11,392.00	27.48	290.93	11,163.89	737.02 S	1,412.82 W	503,777.18	725,078.48	8.00	-485.65	70.42	
11,486.00	30.67	300.60	11,246.08	717.05 S	1,453.74 W	503,797.15	725,037.56	6.03	-459.00	60.13	
11,581.00	33.45	310.74	11,326.64	687.60 S	1,494.47 W	503,826.60	724,996.83	6.37	-423.05	67.05	
11,676.00	36.99	323.01	11,404.34	647.62 S	1,531.57 W	503,866.58	724,959.73	8.31	-377.34	68.54	
11,770.00	43.04	331.02	11,476.34	596.89 S	1,564.18 W	503,917.31	724,927.12	8.44	-321.79	43.54	
11,865.00	48.17	338.64	11,542.83	535.48 S	1,592.82 W	503,978.72	724,898.48	7.87	-256.40	49.43	
11,935.00	56.17	342.25	11,585.74	483.41 S	1,611.21 W	504,030.79	724,880.09	12.13	-201.96	20.74	SLC @ 11,935'MD
11,959.00	58.94	343.33	11,598.61	464.06 S	1,617.20 W	504,050.14	724,874.10	12.13	-181.87	18.52	
12,054.00	62.35	347.38	11,645.19	383.98 S	1,638.08 W	504,130.22	724,853.22	5.17	-99.40	47.00	100HLC @ 12,054'MD
12,148.00	66.01	347.38	11,686.13	301.42 S	1,656.56 W	504,212.78	724,834.74	3.89	-14.90	0.00	
12,243.00	78.51	349.86	11,715.02	212.88 S	1,674.31 W	504,301.32	724,816.99	13.39	75.36	11.10	
12,338.00	88.44	356.94	11,725.81	119.30 S	1,685.08 W	504,394.90	724,806.22	12.80	169.42	35.79	
12,380.00	88.69	356.50	11,726.87	77.38 S	1,687.48 W	504,436.82	724,803.82	1.20	211.13	-60.39	
12,503.00	89.30	358.21	11,729.02	45.47 N	1,693.16 W	504,559.67	724,798.14	1.48	333.15	70.38	
12,598.00	91.14	359.70	11,728.66	140.44 N	1,694.89 W	504,654.64	724,796.41	2.49	427.03	39.00	
12,692.00	91.05	359.93	11,726.86	234.42 N	1,695.20 W	504,748.62	724,796.10	0.26	519.69	111.37	
12,787.00	91.10	0.33	11,725.08	329.41 N	1,694.98 W	504,843.61	724,796.32	0.42	613.25	82.87	
12,882.00	91.06	0.52	11,723.29	424.39 N	1,694.28 W	504,938.59	724,797.02	0.20	706.72	101.89	
12,977.00	91.00	0.30	11,721.58	519.37 N	1,693.60 W	505,033.57	724,797.70	0.24	800.20	-105.26	
13,071.00	91.07	0.42	11,719.88	613.35 N	1,693.00 W	505,127.55	724,798.30	0.15	892.71	59.74	
13,166.00	90.87	0.14	11,718.28	708.34 N	1,692.54 W	505,222.54	724,798.76	0.36	986.23	-125.54	
13,261.00	90.89	0.30	11,716.82	803.33 N	1,692.18 W	505,317.53	724,799.12	0.17	1,079.77	82.87	
13,356.00	90.73	0.00	11,715.47	898.32 N	1,691.93 W	505,412.52	724,799.37	0.36	1,173.33	-118.07	
13,451.00	90.98	0.69	11,714.06	993.30 N	1,691.36 W	505,507.50	724,799.94	0.77	1,266.83	70.08	
13,545.00	90.76	0.59	11,712.63	1,087.29 N	1,690.31 W	505,601.49	724,800.99	0.26	1,359.26	-155.56	
13,640.00	90.84	0.51	11,711.30	1,182.27 N	1,689.39 W	505,696.47	724,801.91	0.12	1,452.71	-45.00	
13,735.00	90.80	0.39	11,709.94	1,277.26 N	1,688.65 W	505,791.46	724,802.65	0.13	1,546.18	-108.44	
13,830.00	90.80	0.47	11,708.62	1,372.25 N	1,687.93 W	505,886.45	724,803.37	0.08	1,639.66	90.00	
13,924.00	90.86	0.73	11,707.26	1,466.23 N	1,686.95 W	505,980.43	724,804.35	0.28	1,732.10	77.00	
14,019.00	90.93	0.59	11,705.77	1,561.22 N	1,685.86 W	506,075.42	724,805.44	0.16	1,825.51	-63.43	

HALLIBURTON**Design Report for Top Spot 12-13 Federal Com 31H - 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)				
14,114.00	90.86	0.57	11,704.29	1,656.20 N	1,684.89 W	506,170.40	724,806.41	0.08	1,918.94	-164.06	
14,208.00	90.86	0.47	11,702.88	1,750.18 N	1,684.04 W	506,264.38	724,807.26	0.11	2,011.41	-90.00	
14,305.00	90.89	0.50	11,701.40	1,847.17 N	1,683.22 W	506,361.37	724,808.08	0.04	2,106.84	45.00	
14,399.00	89.08	358.71	11,701.42	1,941.16 N	1,683.87 W	506,455.36	724,807.43	2.71	2,199.57	-135.32	
14,494.00	88.48	358.21	11,703.44	2,036.10 N	1,686.42 W	506,550.30	724,804.88	0.82	2,293.56	-140.21	
14,589.00	91.41	358.01	11,703.53	2,131.04 N	1,689.55 W	506,645.24	724,801.75	3.09	2,387.64	-3.91	
14,683.00	90.58	359.46	11,701.90	2,225.00 N	1,691.63 W	506,739.20	724,799.67	1.78	2,480.58	119.78	
14,778.00	90.79	0.12	11,700.77	2,319.99 N	1,691.98 W	506,834.19	724,799.32	0.73	2,574.25	72.34	
14,873.00	90.57	0.10	11,699.64	2,414.99 N	1,691.79 W	506,929.19	724,799.51	0.23	2,667.82	-174.81	
14,967.00	90.42	359.04	11,698.83	2,508.98 N	1,692.50 W	507,023.18	724,798.80	1.14	2,760.56	-98.05	
15,062.00	90.49	0.00	11,698.07	2,603.97 N	1,693.30 W	507,118.17	724,798.00	1.01	2,854.30	85.83	
15,157.00	90.25	359.53	11,697.46	2,698.97 N	1,693.69 W	507,213.17	724,797.61	0.56	2,947.98	-117.05	
15,251.00	90.41	359.80	11,696.92	2,792.96 N	1,694.24 W	507,307.16	724,797.06	0.33	3,040.69	59.35	
15,346.00	90.58	0.02	11,696.10	2,887.96 N	1,694.38 W	507,402.16	724,796.92	0.29	3,134.33	52.30	
15,441.00	90.23	359.58	11,695.42	2,982.96 N	1,694.72 W	507,497.16	724,796.58	0.59	3,227.99	-128.50	
15,536.00	90.22	358.64	11,695.05	3,077.94 N	1,696.19 W	507,592.14	724,795.11	0.99	3,321.84	-90.61	
15,630.00	90.06	0.21	11,694.82	3,171.94 N	1,697.13 W	507,686.14	724,794.17	1.68	3,414.62	95.82	
15,725.00	89.75	0.36	11,694.98	3,266.93 N	1,696.66 W	507,781.13	724,794.64	0.36	3,508.15	154.18	
15,820.00	91.52	359.43	11,693.93	3,361.92 N	1,696.84 W	507,876.12	724,794.46	2.10	3,601.78	-27.71	
15,915.00	90.77	0.18	11,692.03	3,456.90 N	1,697.16 W	507,971.10	724,794.14	1.12	3,695.43	135.00	
16,009.00	91.60	0.60	11,690.08	3,550.88 N	1,696.52 W	508,065.08	724,794.78	0.99	3,787.93	26.83	
16,104.00	92.85	1.68	11,686.40	3,645.79 N	1,694.63 W	508,159.99	724,796.67	1.74	3,881.13	40.79	
16,198.00	90.80	359.49	11,683.40	3,739.72 N	1,693.67 W	508,253.92	724,797.63	3.19	3,973.53	-133.08	
16,293.00	90.48	359.53	11,682.34	3,834.71 N	1,694.49 W	508,348.91	724,796.81	0.34	4,067.27	172.88	
16,388.00	90.25	359.58	11,681.74	3,929.71 N	1,695.22 W	508,443.91	724,796.08	0.25	4,161.00	167.74	
16,482.00	89.77	0.08	11,681.72	4,023.71 N	1,695.50 W	508,537.91	724,795.80	0.74	4,253.67	133.83	
16,577.00	89.63	359.65	11,682.22	4,118.71 N	1,695.73 W	508,632.91	724,795.57	0.48	4,347.32	-108.04	
16,672.00	88.88	359.40	11,683.45	4,213.69 N	1,696.51 W	508,727.89	724,794.79	0.83	4,441.06	-161.57	
16,767.00	88.81	359.81	11,685.37	4,308.67 N	1,697.17 W	508,822.87	724,794.13	0.44	4,534.76	99.69	
16,861.00	88.94	359.44	11,687.21	4,402.65 N	1,697.78 W	508,916.85	724,793.52	0.42	4,627.47	-70.64	
16,956.00	89.04	359.88	11,688.89	4,497.63 N	1,698.35 W	509,011.83	724,792.95	0.47	4,721.16	77.20	
17,051.00	88.68	359.52	11,690.78	4,592.61 N	1,698.84 W	509,106.81	724,792.46	0.54	4,814.84	-135.01	
17,145.00	90.59	1.66	11,691.38	4,686.60 N	1,697.88 W	509,200.80	724,793.42	3.05	4,907.29	48.26	
17,240.00	90.53	359.62	11,690.45	4,781.58 N	1,696.82 W	509,295.78	724,794.48	2.15	5,000.70	-91.67	
17,263.00	90.60	359.85	11,690.22	4,804.58 N	1,696.92 W	509,318.78	724,794.38	1.03	5,023.38	73.97	SLC @ 17,263'MD
17,335.00	90.80	0.56	11,689.34	4,876.57 N	1,696.67 W	509,390.77	724,794.63	1.03	5,094.28	73.97	
17,429.00	90.10	1.70	11,688.61	4,970.55 N	1,694.81 W	509,484.75	724,796.49	1.42	5,186.57	121.55	

HALLIBURTON**Design Report for Top Spot 12-13 Federal Com 31H - Final Surveys**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
17,524.00	88.92	358.90	11,689.42	5,065.53 N	1,694.32 W	509,579.73	724,796.98	3.20	5,280.08	-112.86	
17,618.00	88.93	359.65	11,691.18	5,159.51 N	1,695.50 W	509,673.71	724,795.80	0.80	5,372.89	89.24	
17,713.00	88.03	358.63	11,693.70	5,254.46 N	1,696.93 W	509,768.66	724,794.37	1.43	5,466.70	-131.45	
17,808.00	89.46	358.89	11,695.78	5,349.42 N	1,698.98 W	509,863.62	724,792.32	1.53	5,560.61	10.31	
17,902.00	89.74	354.18	11,696.44	5,443.22 N	1,704.66 W	509,957.42	724,786.64	5.02	5,654.01	-86.62	
17,997.00	90.30	355.86	11,696.41	5,537.85 N	1,712.91 W	510,052.05	724,778.39	1.86	5,748.67	71.57	
18,091.00	91.91	358.84	11,694.59	5,631.72 N	1,717.26 W	510,145.92	724,774.04	3.60	5,841.90	61.59	
18,186.00	91.22	359.57	11,692.00	5,726.68 N	1,718.57 W	510,240.88	724,772.73	1.06	5,935.70	133.39	
18,280.00	91.02	359.62	11,690.16	5,820.66 N	1,719.24 W	510,334.86	724,772.06	0.22	6,028.42	165.97	
18,375.00	91.60	1.25	11,687.99	5,915.62 N	1,718.52 W	510,429.82	724,772.78	1.82	6,121.87	70.39	
18,470.00	91.62	0.52	11,685.32	6,010.57 N	1,717.05 W	510,524.77	724,774.25	0.77	6,215.19	-88.42	
18,564.00	91.15	1.07	11,683.05	6,104.54 N	1,715.75 W	510,618.74	724,775.55	0.77	6,307.56	130.52	
18,659.00	90.55	0.60	11,681.64	6,199.52 N	1,714.36 W	510,713.72	724,776.94	0.80	6,400.91	-141.93	
18,753.00	90.39	0.67	11,680.87	6,293.51 N	1,713.32 W	510,807.71	724,777.98	0.19	6,493.35	156.37	
18,943.00	92.00	0.62	11,676.91	6,483.45 N	1,711.18 W	510,997.65	724,780.12	0.85	6,680.15	-1.78	
19,037.00	91.58	0.45	11,673.97	6,577.40 N	1,710.30 W	511,091.60	724,781.00	0.48	6,772.58	-157.97	
19,132.00	93.21	359.95	11,670.00	6,672.31 N	1,709.97 W	511,186.51	724,781.33	1.79	6,866.05	-17.03	
19,227.00	92.03	358.09	11,665.66	6,767.19 N	1,711.60 W	511,281.39	724,779.70	2.32	6,959.82	-122.37	
19,416.00	89.77	359.42	11,662.69	6,956.11 N	1,715.70 W	511,470.31	724,775.60	1.39	7,146.68	149.51	
19,510.00	89.37	0.27	11,663.39	7,050.10 N	1,715.96 W	511,564.30	724,775.34	1.00	7,239.34	115.20	
19,605.00	90.06	0.34	11,663.87	7,145.10 N	1,715.45 W	511,659.30	724,775.85	0.73	7,332.87	5.79	
19,699.00	90.45	0.62	11,663.45	7,239.10 N	1,714.66 W	511,753.30	724,776.64	0.51	7,425.36	35.68	
19,794.00	90.13	0.80	11,662.97	7,334.09 N	1,713.49 W	511,848.29	724,777.81	0.39	7,518.76	150.64	
19,888.00	89.90	0.24	11,662.94	7,428.08 N	1,712.63 W	511,942.28	724,778.67	0.64	7,611.24	-112.33	
19,983.00	90.28	0.48	11,662.79	7,523.08 N	1,712.04 W	512,037.28	724,779.26	0.47	7,704.74	32.28	
20,078.00	89.97	0.19	11,662.59	7,618.08 N	1,711.48 W	512,132.28	724,779.82	0.45	7,798.26	-136.91	
20,173.00	90.09	0.45	11,662.54	7,713.08 N	1,710.95 W	512,227.28	724,780.35	0.30	7,891.78	65.22	
20,267.00	90.08	0.24	11,662.40	7,807.07 N	1,710.38 W	512,321.27	724,780.92	0.22	7,984.31	-92.73	
20,361.00	90.78	0.78	11,661.69	7,901.07 N	1,709.55 W	512,415.27	724,781.75	0.94	8,076.79	37.65	
20,456.00	90.37	0.82	11,660.74	7,996.05 N	1,708.22 W	512,510.25	724,783.08	0.43	8,170.16	174.43	
20,550.00	89.91	0.24	11,660.51	8,090.05 N	1,707.35 W	512,604.25	724,783.95	0.79	8,262.63	-128.42	
20,645.00	89.89	359.34	11,660.67	8,185.05 N	1,707.70 W	512,699.25	724,783.60	0.95	8,356.30	-91.27	
20,740.00	89.86	358.68	11,660.88	8,280.03 N	1,709.34 W	512,794.23	724,781.96	0.70	8,450.18	-92.60	
20,834.00	89.78	358.35	11,661.18	8,374.00 N	1,711.78 W	512,888.20	724,779.52	0.36	8,543.19	-103.63	
20,929.00	89.66	358.29	11,661.64	8,468.96 N	1,714.56 W	512,983.16	724,776.74	0.14	8,637.23	-153.44	
21,024.00	89.35	358.20	11,662.46	8,563.91 N	1,717.47 W	513,078.11	724,773.83	0.34	8,731.30	-163.81	
21,119.00	89.27	357.96	11,663.61	8,658.85 N	1,720.65 W	513,173.05	724,770.65	0.27	8,825.39	-108.44	

HALLIBURTON**Design Report for Top Spot 12-13 Federal Com 31H - 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)				
21,308.00	88.77	358.77	11,666.84	8,847.74 N	1,726.05 W	513,361.94	724,765.25	0.50	9,012.44	121.70	
21,403.00	89.32	359.04	11,668.42	8,942.71 N	1,727.86 W	513,456.91	724,763.44	0.64	9,106.33	26.15	
21,498.00	89.12	359.16	11,669.71	9,037.69 N	1,729.35 W	513,551.89	724,761.95	0.25	9,200.18	149.04	
21,592.00	88.10	358.95	11,672.00	9,131.65 N	1,730.90 W	513,645.85	724,760.40	1.11	9,293.03	-168.37	
21,782.00	90.92	0.30	11,673.62	9,321.61 N	1,732.15 W	513,835.81	724,759.15	1.65	9,480.43	25.59	
21,877.00	87.21	356.76	11,675.17	9,416.54 N	1,734.58 W	513,930.74	724,756.72	5.40	9,574.38	-136.36	
21,971.00	91.46	356.64	11,676.26	9,510.35 N	1,739.99 W	514,024.55	724,751.31	4.52	9,667.75	-1.62	
22,066.00	91.03	356.29	11,674.20	9,605.15 N	1,745.85 W	514,119.35	724,745.45	0.58	9,762.16	-140.86	
22,161.00	89.84	357.03	11,673.48	9,699.98 N	1,751.38 W	514,214.18	724,739.92	1.48	9,856.55	148.12	
22,255.00	88.25	358.33	11,675.04	9,793.89 N	1,755.18 W	514,308.09	724,736.12	2.18	9,949.73	140.74	
22,350.00	88.17	0.20	11,678.01	9,888.83 N	1,756.40 W	514,403.03	724,734.90	1.97	10,043.49	92.48	
22,449.00	89.73	1.01	11,679.83	9,987.81 N	1,755.36 W	514,502.01	724,735.94	1.77	10,140.84	27.48	100HLC @ 22,449'MD
22,477.00	90.17	1.24	11,679.85	10,015.80 N	1,754.81 W	514,530.00	724,736.49	1.77	10,168.34	27.47	Last MWD Svy @ 22477'MD
22,497.00	90.17	1.23	11,679.79	10,035.80 N	1,754.38 W	514,550.00	724,736.92	0.05	10,187.97	-90.00	Projection to TD 2 22497'MD

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
100.00	100.00	-0.22	-0.20	First Gyro @ 100'MD
11,010.00	10,802.60	-720.02	-1,301.79	Tie-in @ 11,010'MD
11,163.00	10,951.39	-738.87	-1,331.99	First MWD Svy @ 11163'MD
11,935.00	11,585.74	-483.41	-1,611.21	SLC @ 11,935'MD
12,054.00	11,645.19	-383.98	-1,638.08	100HLC @ 12,054'MD
17,263.00	11,690.22	4,804.58	-1,696.92	SLC @ 17,263'MD
22,449.00	11,679.83	9,987.81	-1,755.36	100HLC @ 22,449'MD
22,477.00	11,679.85	10,015.80	-1,754.81	Last MWD Svy @ 22477'MD
22,497.00	11,679.79	10,035.80	-1,754.38	Projection to TD 2 22497'MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/-S (usft)	+E/-W (usft)	
Target	Tspot 12-13 31H PBHL	350.19	Slot	0.00	0.00	0.00

HALLIBURTON**Design Report for Top Spot 12-13 Federal Com 31H - Final Surveys****Survey tool program**

From (usft)	To (usft)	Survey/Plan	Survey Tool
100.00	11,010.00	Gyro - Surf/Inter	3_Gyro-GC_Csg
11,163.00	22,477.00	Sperry MWD (Corrected)	Superior MWD+IFR1+SAG+FDIR
22,497.00	22,497.00	Projection to TD	3_Blind

Casing Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)
4,560.48	4,560.00	9 5/8" Casing	9.625	12.250
22,584.64		5 1/2" Casing	5.500	6.750
11,143.14	10,932.00	7 5/8" Liner	7.625	8.750

Design Targets

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

Directional Difficulty Index

Average Dogleg over Survey:	1.29 °/100ft	Maximum Dogleg over Survey:	13.57 °/100ft at 11,203.00 usft
Net Tortousity applicable to Plans:	0.47 °/100ft	Directional Difficulty Index:	6.845

Audit Info

HALLIBURTON**North Reference Sheet for Top Spot 12-13 - Top Spot 12-13 Federal Com 31H - 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 3566' + RKB 26' @ 3592.00usft (H&P 419). Northing and Easting are relative to Top Spot 12-13 Federal Com 31H

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: 0.99994835

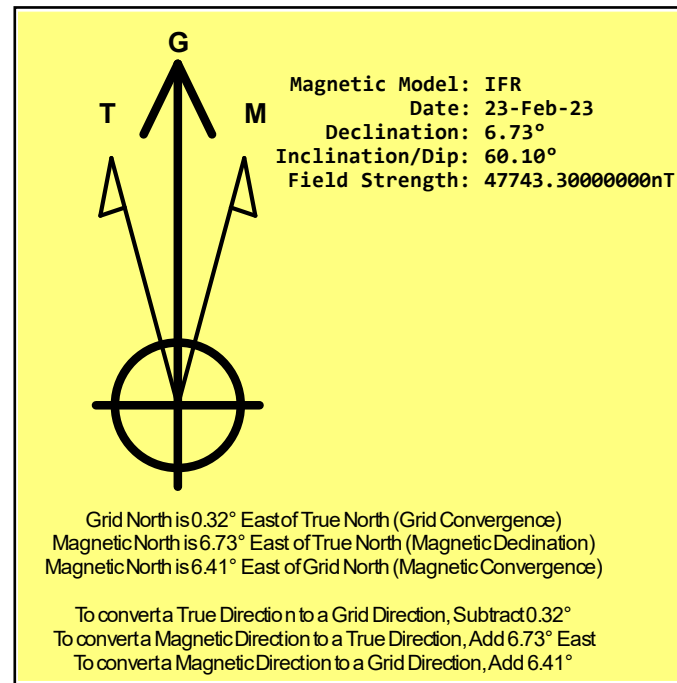
Grid Coordinates of Well: 504,514.20 usft N, 726,491.30 usft E

Geographical Coordinates of Well: 32° 23' 7.985 N, 103° 44' 0.676 W

Grid Convergence at Surface is: 0.32°

Based upon Minimum Curvature type calculations, at a Measured Depth of 22,497.00usft
the Bottom Hole Displacement is 10,187.98usft in the Direction of 350.08° (Grid).

Magnetic Convergence at surface is: -6.41° (23 February 2023, , IFR)



Intent ☐ As Drilled ☒

API # 30-015-48597		
Operator Name: OXY USA INC.	Property Name: Top Spot 12 13 Federal Com	Well Number 031H

Kick Off Point (KOP)

UL D	Section 24	Township 22S	Range 31E	Lot	Feet 261	From N/S North	Feet 677	From E/W West	County Eddy
Latitude 32.38352887					Longitude -103.73787877			NAD Nad83	

First Take Point (FTP)

UL M	Section 13	Township 22S	Range 31E	Lot	Feet 133	From N/S South	Feet 375	From E/W West	County Eddy
Latitude 32.38461210					Longitude -103.73885785			NAD Nad83	

Last Take Point (LTP)

UL D	Section 12	Township 22S	Range 31E	Lot	Feet 192	From N/S North	Feet 318	From E/W West	County Eddy
Latitude 32.41277883					Longitude -103.73903259			NAD Nad83	

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

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

API # 30-015-47627		
Operator Name: OXY USA INC.	Property Name: Top Spot 12 13 Federal Com	Well Number 311H

KZ 06/29/2018

Well Name: TOP SPOT 12_13 FEDERAL COM	Well Location: T22S / R31E / SEC 13 / SESW / 32.385551 / -103.73352	County or Parish/State: EDDY / NM
Well Number: 31H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM29233	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548597	Well Status: Producing Oil Well	Operator: OXY USA INCORPORATED

Subsequent Report

Sundry ID: 2739791

Type of Submission: Subsequent Report

Date Sundry Submitted: 07/07/2023

Date Operation Actually Began: 04/19/2023

Type of Action: Hydraulic Fracturing

Time Sundry Submitted: 09:39

Actual Procedure: RUPU 4/19/2023, RIH & clean out to PBSD @ 22455' MD, pressure test csg to 11300 psi for 30 min, good test. RIH & perf @ 12092'-22357" Total 1640 holes. Frac in 41 stages w/ 397,523 BBLS produced water w/ 30,846,520 # 100 mesh proppant, RD Frac Crew on 5/13/23. Well ready to produce 5/20/23. OXY USA Inc. respectfully requests a tubing exception while continuing to flow back this well. The estimated date of tubing install is 8/20/2023.

Well Name: TOP SPOT 12_13 FEDERAL COM	Well Location: T22S / R31E / SEC 13 / SESW / 32.385551 / -103.73352	County or Parish/State: EDDY / NM
Well Number: 31H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM29233	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548597	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: SARAH MCKINNEY

Signed on: JUL 07, 2023 09:38 AM

Name: OXY USA INCORPORATED

Title: Regulatory Analyst Sr

Street Address: 5 GREENWAY PLAZA SUITE 110

City: HOUSTON

State: TX

Phone: (713) 215-7295

Email address: SARAH_MCKINNEY@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: 07/11/2023

Signature: Jonathon Shepard

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 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						
				1. WELL API NO. 30-015-48597						
				2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN						
				3. State Oil & Gas Lease No. 329719						
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
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 Top Spot 12 13 Federal Com						
				6. Well Number: 031H						
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 PO Box 50250, MIDLAND, TX 79710				11. Pool name or Wildcat WC 22S31E13; WOLFCAMP						
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	N	13	22S	31E		475	South	2022	West	Eddy
BH:	D	12	22S	31E		52	North	321	West	Eddy
13. Date Spudded 10/28/2022	14. Date T.D. Reached 03/18/2023	15. Date Rig Released 03/21/2023		16. Date Completed (Ready to Produce) 05/20/2023		17. Elevations (DF and RKB, RT, GR, etc.) 3566' GR				
18. Total Measured Depth of Well 22497' MD, 11680' TVD		19. Plug Back Measured Depth 22455' MD, 11680' TVD		20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run CBL/Gamma				
22. Producing Interval(s), of this completion - Top, Bottom, Name 12092'-22357', Wolfcamp										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		54.5 # J55		890'		17 1/2"		1090sx - TOC 0'		
9 5/8"		40# HCL80		4566'		12 1/4"		1314 sx - TOC 0'		
7 5/8"		26.4# HCL 80		10968'		8 3/4"		685 sx - TOC 3064'		
5 1/2"		20# P110		22477'		6 3/4"		875 sx - TOC 10642'		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET		PACKER SET		
26. Perforation record (interval, size, and number) 12092'-22357', 0.42", 1640 shots					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 12092'-22357' AMOUNT AND KIND MATERIAL USED 397,523 bbls clean frac fluid, and 30,846,520 #s of 100 mesh proppant.					
28. PRODUCTION										
Date First Production 05/23/2023		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) Producing					
Date of Test 06/07/2023	Hours Tested 24 Hours	Choke Size 0	Prod'n For Test Period	Oil - Bbl 3910	Gas - MCF 4718	Water - Bbl. 3623	Gas - Oil Ratio 1207			
Flow Tubing Press.	Casing Pressure 3465	Calculated 24-Hour Rate	Oil - Bbl. 3910	Gas - MCF 4718	Water - Bbl. 3623	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						30. Test Witnessed By				
31. List Attachments C103, C104c, C102, WBD, Directional Survey, Log										
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										
Signature Sarah McKinney		Printed Name Sarah McKinney			Title Regulatory Analyst Sr.			Date 12/14/2023		
E-mail Address sarah_mckinney@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 830'	T. Bell Canyon	T. Ojo Alamo	T. Penn A"
T. Salado 1139'	T. Strawn	T. Kirtland	T. Penn. "B"
T. Castile 2894'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Delaware 4478'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. Cherry Canyon 5474'	T. Devonian	T. Cliff House	T. Leadville
T. Brushy Canyon 6608'	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 Springs 8500'	T. Todilto	
T. Abo	T. 1 st Bone Springs 9606'	T. Entrada	
T. Wolfcamp	T. 2 nd Bone Springs 10290'	T. Wingate	
T. Penn	T. 3 rd Bone Springs 11278'	T. Chinle	
T. Cisco (Bough C)	T. Wolfcamp 11971'	T. Permian	

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

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

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

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

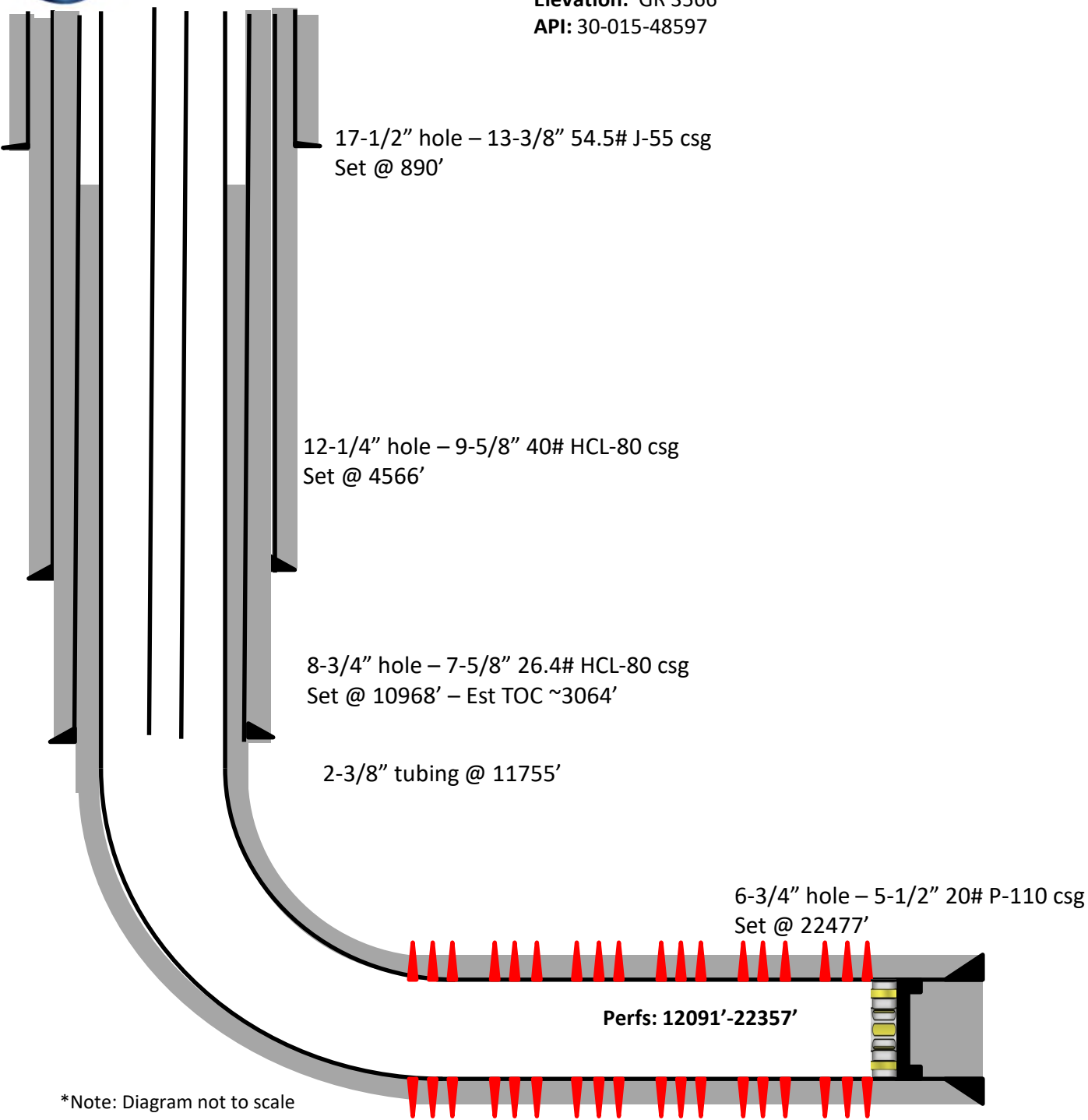
Include data on rate of water inflow and elevation to which water rose in hole.

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

From	To	Thickness In Feet	Lithology



Elevation: GR 3566'
API: 30-015-48597



*Note: Diagram not to scale

PBTD – 22455' MD
TD – 22497' MD/11680' TVD

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 309761

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 309761
	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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 309761

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 309761
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	Upload Gamma Ray and CBL to OCD Permitting/ Well Logs	2/1/2024
smcgrath	File 3160-4 within 10 days of BLM Approval.	2/1/2024