

Company: D90 Energy, LLC

Well Name: Damfino 5-6H31

County: Jackson County, CO

Rig: OWB_

Wellbore: P1

Plan: P1

Created By: B Hand

Job #:

PROJECT DETAILS: Jackson County, CO

Geodetic System: US State Plane 1983

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Zone: Colorado Northern Zone

System Datum: Mean Sea Level

Date: 15:32, April 29 2022

WELL DETAILS: Damfino 5-6H31

Ground Level: 8220.00

RKB = 26' @ 8246.00usft

+N/-S0.00

+E/-W0.00

Northing1430904.38

Easting2744930.23

Latitude40.512612

Longitude-106.417376

T

M

Azimuths to True North

Magnetic North: 8.37°

Magnetic Field

Strength: 51897.5snT

Dip Angle: 66.45°

Date: 4/29/2022

Model: BGGM2021

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	26.00	0.00	0.00	26.00	0.00	0.00	0.00	0.00	0.00	
2	2526.00	0.00	0.00	2526.00	0.00	0.00	0.00	0.00	0.00	Start Dir 2°/100' : 2526' MD, 2526'TVD
3	4122.64	31.93	245.34	4041.25	-180.92	-393.98	2.00	245.34	-180.92	End Dir : 4122.64' MD, 4041.25' TVD
4	6187.91	31.93	245.34	5793.99	-636.77	-1386.68	0.00	0.00	-636.77	Start Dir 10°/100' : 6187.91' MD, 5793.99'TVD
5	6507.24	0.00	0.00	6097.04	-672.96	-1465.48	10.00	180.00	-672.96	
6	7407.24	90.00	0.00	6670.00	-100.00	-1465.48	10.00	0.00	-100.00	End Dir : 7407.24' MD, 6670' TVD
7	7457.24	90.00	0.00	6670.00	-50.00	-1465.48	0.00	0.00	-50.00	Start Dir 2°/100' : 7457.24' MD, 6670'TVD
8	7537.50	88.39	0.00	6671.12	30.24	-1465.48	2.00	180.00	30.24	End Dir : 7537.5' MD, 6671.12' TVD
9	13209.48	88.39	0.00	6830.00	5700.00	-1465.48	0.00	0.00	5700.00	Start Dir 2°/100' : 13209.48' MD, 6830'TVD
10	13239.73	89.00	0.00	6830.69	5730.25	-1465.48	2.00	0.00	5730.25	End Dir : 13239.73' MD, 6830.69' TVD
11	17834.01	89.00	0.00	6910.87	10323.83	-1465.48	0.00	0.00	10323.83	Total Depth : 17834.01' MD, 6910.87' TVD

True Vertical Depth (400 usft/in)

5-6H31_P1_PBHL

5-6H31_P1_PBHL

Mutual 04-30H

Surprise 4-06H

Damfino 2-06H

Vertical Section at 0.00° (400 usft/in)

D90 Energy, LLC

Jackson County, CO Sec. 06-T06N-R80W

API#

Damfino 5-6H31

400' FSL, 2189' FEL

OWB_

Plan: P1

Sperry Drilling Services

Combo Report

29 April, 2022

Well Coordinates: 40.512612
-106.417376

North American Datum 1983
Colorado Northern Zone
1,430,904.38 N
2,744,930.23 E

Ground Level: 8,220.00 usft

Geodetic Scale Factor Applied

Local Coordinate Origin:

Viewing Datum:

TVDs to System:

North Reference:

Unit System:

Geodetic Scale Factor Applied

Version: 5000.15 Build: 91F

Report Version: Midcon Combo v1.15

Centered on Well Damfino 5-6H31

RKB = 26' @ 8246.00usft

N

True

Midcon

HALLIBURTON

Plan Report for Damfino 5-6H31 - P1

Measured Depth (usft)	Inclination (°)	True Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
26.00	0.00	0.00	26.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
1,100.00	0.00	0.00	1,100.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
1,200.00	0.00	0.00	1,200.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
1,600.00	0.00	0.00	1,600.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
1,700.00	0.00	0.00	1,700.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
1,800.00	0.00	0.00	1,800.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
1,900.00	0.00	0.00	1,900.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
2,200.00	0.00	0.00	2,200.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
2,300.00	0.00	0.00	2,300.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
2,400.00	0.00	0.00	2,400.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,500.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	
2,526.00	0.00	0.00	2,526.00	0.00 N	0.00 E	1,430,904.38	2,744,930.23	0.00	0.00	0.00	Start Dir 2°/100' : 2526' MD, 2526'TVD
2,600.00	1.48	245.34	2,599.99	0.40 S	0.87 W	1,430,903.99	2,744,929.36	2.00	-0.40	245.34	
2,700.00	3.48	245.34	2,699.89	2.20 S	4.80 W	1,430,902.23	2,744,925.41	2.00	-2.20	0.00	
2,800.00	5.48	245.34	2,799.58	5.46 S	11.90 W	1,430,899.04	2,744,918.28	2.00	-5.46	0.00	
2,900.00	7.48	245.34	2,898.94	10.17 S	22.15 W	1,430,894.44	2,744,907.97	2.00	-10.17	0.00	
3,000.00	9.48	245.34	2,997.84	16.33 S	35.55 W	1,430,888.42	2,744,894.51	2.00	-16.33	0.00	
3,100.00	11.48	245.34	3,096.17	23.92 S	52.08 W	1,430,881.00	2,744,877.90	2.00	-23.92	0.00	
3,200.00	13.48	245.34	3,193.80	32.93 S	71.72 W	1,430,872.19	2,744,858.17	2.00	-32.93	0.00	
3,300.00	15.48	245.34	3,290.62	43.37 S	94.44 W	1,430,861.99	2,744,835.35	2.00	-43.37	0.00	
3,400.00	17.48	245.34	3,386.50	55.21 S	120.22 W	1,430,850.42	2,744,809.45	2.00	-55.21	0.00	

Plan Report for Damfino 5-6H31 - P1

Measured Depth (usft)	Inclination (°)	True Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
3,500.00	19.48	245.34	3,481.34	68.43 S	149.02 W	1,430,837.49	2,744,780.51	2.00	-68.43	0.00	
3,600.00	21.48	245.34	3,575.02	83.03 S	180.82 W	1,430,823.22	2,744,748.57	2.00	-83.03	0.00	
3,700.00	23.48	245.34	3,667.41	98.99 S	215.57 W	1,430,807.63	2,744,713.66	2.00	-98.99	0.00	
3,800.00	25.48	245.34	3,758.42	116.28 S	253.22 W	1,430,790.73	2,744,675.83	2.00	-116.28	0.00	
3,900.00	27.48	245.34	3,847.93	134.89 S	293.74 W	1,430,772.54	2,744,635.12	2.00	-134.89	0.00	
4,000.00	29.48	245.34	3,935.82	154.79 S	337.07 W	1,430,753.10	2,744,591.59	2.00	-154.79	0.00	
4,100.00	31.48	245.34	4,022.00	175.95 S	383.16 W	1,430,732.41	2,744,545.28	2.00	-175.95	0.00	
4,122.64	31.93	245.34	4,041.25	180.92 S	393.98 W	1,430,727.56	2,744,534.42	2.00	-180.92	0.00	End Dir : 4122.64' MD, 4041.25' TVD
4,200.00	31.93	245.34	4,106.91	197.99 S	431.16 W	1,430,710.87	2,744,497.06	0.00	-197.99	0.00	
4,300.00	31.93	245.34	4,191.78	220.06 S	479.23 W	1,430,689.29	2,744,448.77	0.00	-220.06	0.00	
4,400.00	31.93	245.34	4,276.64	242.14 S	527.30 W	1,430,667.72	2,744,400.48	0.00	-242.14	0.00	
4,500.00	31.93	245.34	4,361.51	264.21 S	575.36 W	1,430,646.14	2,744,352.18	0.00	-264.21	0.00	
4,600.00	31.93	245.34	4,446.38	286.28 S	623.43 W	1,430,624.57	2,744,303.89	0.00	-286.28	0.00	
4,700.00	31.93	245.34	4,531.24	308.35 S	671.50 W	1,430,603.00	2,744,255.60	0.00	-308.35	0.00	
4,800.00	31.93	245.34	4,616.11	330.43 S	719.56 W	1,430,581.42	2,744,207.31	0.00	-330.43	0.00	
4,900.00	31.93	245.34	4,700.98	352.50 S	767.63 W	1,430,559.85	2,744,159.02	0.00	-352.50	0.00	
5,000.00	31.93	245.34	4,785.85	374.57 S	815.69 W	1,430,538.28	2,744,110.73	0.00	-374.57	0.00	
5,100.00	31.93	245.34	4,870.71	396.64 S	863.76 W	1,430,516.70	2,744,062.44	0.00	-396.64	0.00	
5,200.00	31.93	245.34	4,955.58	418.72 S	911.83 W	1,430,495.13	2,744,014.15	0.00	-418.72	0.00	
5,300.00	31.93	245.34	5,040.45	440.79 S	959.89 W	1,430,473.56	2,743,965.86	0.00	-440.79	0.00	
5,400.00	31.93	245.34	5,125.31	462.86 S	1,007.96 W	1,430,451.98	2,743,917.57	0.00	-462.86	0.00	
5,500.00	31.93	245.34	5,210.18	484.93 S	1,056.03 W	1,430,430.41	2,743,869.28	0.00	-484.93	0.00	
5,600.00	31.93	245.34	5,295.05	507.01 S	1,104.09 W	1,430,408.84	2,743,820.99	0.00	-507.01	0.00	
5,700.00	31.93	245.34	5,379.91	529.08 S	1,152.16 W	1,430,387.26	2,743,772.69	0.00	-529.08	0.00	
5,800.00	31.93	245.34	5,464.78	551.15 S	1,200.23 W	1,430,365.69	2,743,724.40	0.00	-551.15	0.00	
5,900.00	31.93	245.34	5,549.65	573.22 S	1,248.29 W	1,430,344.12	2,743,676.11	0.00	-573.22	0.00	
6,000.00	31.93	245.34	5,634.52	595.30 S	1,296.36 W	1,430,322.54	2,743,627.82	0.00	-595.30	0.00	
6,100.00	31.93	245.34	5,719.38	617.37 S	1,344.43 W	1,430,300.97	2,743,579.53	0.00	-617.37	0.00	
6,187.91	31.93	245.34	5,793.99	636.77 S	1,386.68 W	1,430,282.01	2,743,537.08	0.00	-636.77	0.00	Start Dir 10°/100' : 6187.91' MD, 5793.99'TVD
6,200.00	30.72	245.34	5,804.32	639.40 S	1,392.40 W	1,430,279.44	2,743,531.34	10.00	-639.40	-180.00	
6,300.00	20.72	245.34	5,894.29	657.49 S	1,431.79 W	1,430,261.76	2,743,491.76	10.00	-657.49	180.00	
6,400.00	10.72	245.34	5,990.43	668.78 S	1,456.39 W	1,430,250.72	2,743,467.05	10.00	-668.78	180.00	
6,500.00	0.72	245.34	6,089.80	672.94 S	1,465.44 W	1,430,246.66	2,743,457.96	10.00	-672.94	180.00	
6,507.24	0.00	0.00	6,097.04	672.96 S	1,465.48 W	1,430,246.64	2,743,457.91	10.00	-672.96	180.00	
6,600.00	9.28	0.00	6,189.40	665.47 S	1,465.48 W	1,430,254.13	2,743,457.99	10.00	-665.47	0.00	
6,700.00	19.28	0.00	6,286.19	640.84 S	1,465.48 W	1,430,278.76	2,743,458.25	10.00	-640.84	0.00	
6,800.00	29.28	0.00	6,377.23	599.78 S	1,465.48 W	1,430,319.82	2,743,458.67	10.00	-599.78	0.00	

Plan Report for Damfino 5-6H31 - P1

Measured Depth (usft)	Inclination (°)	True Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
6,900.00	39.28	0.00	6,459.76	543.53 S	1,465.48 W	1,430,376.06	2,743,459.25	10.00	-543.53	0.00	
7,000.00	49.28	0.00	6,531.26	473.81 S	1,465.48 W	1,430,445.77	2,743,459.97	10.00	-473.81	0.00	
7,100.00	59.28	0.00	6,589.58	392.73 S	1,465.48 W	1,430,526.85	2,743,460.81	10.00	-392.73	0.00	
7,200.00	69.28	0.00	6,632.93	302.75 S	1,465.48 W	1,430,616.81	2,743,461.74	10.00	-302.75	0.00	
7,300.00	79.28	0.00	6,659.99	206.62 S	1,465.48 W	1,430,712.94	2,743,462.74	10.00	-206.62	0.00	
7,400.00	89.28	0.00	6,669.95	107.24 S	1,465.48 W	1,430,812.31	2,743,463.77	10.00	-107.24	0.00	
7,407.24	90.00	0.00	6,670.00	100.00 S	1,465.48 W	1,430,819.55	2,743,463.84	10.00	-100.00	0.00	End Dir : 7407.24' MD, 6670' TVD
7,457.24	90.00	0.00	6,670.00	50.00 S	1,465.48 W	1,430,869.54	2,743,464.36	0.00	-50.00	0.00	Start Dir 2°/100' : 7457.24' MD, 6670'TVD
7,500.00	89.14	0.00	6,670.32	7.24 S	1,465.48 W	1,430,912.30	2,743,464.80	2.00	-7.24	180.00	
7,537.50	88.39	0.00	6,671.12	30.25 N	1,465.48 W	1,430,949.79	2,743,465.19	2.00	30.25	-180.00	End Dir : 7537.5' MD, 6671.12' TVD
7,600.00	88.39	0.00	6,672.87	92.72 N	1,465.48 W	1,431,012.26	2,743,465.84	0.00	92.72	0.00	
7,700.00	88.39	0.00	6,675.68	192.69 N	1,465.48 W	1,431,112.21	2,743,466.87	0.00	192.69	0.00	
7,800.00	88.39	0.00	6,678.48	292.65 N	1,465.48 W	1,431,212.16	2,743,467.90	0.00	292.65	0.00	
7,900.00	88.39	0.00	6,681.28	392.61 N	1,465.48 W	1,431,312.11	2,743,468.94	0.00	392.61	0.00	
8,000.00	88.39	0.00	6,684.08	492.57 N	1,465.48 W	1,431,412.07	2,743,469.97	0.00	492.57	0.00	
8,100.00	88.39	0.00	6,686.88	592.53 N	1,465.48 W	1,431,512.02	2,743,471.01	0.00	592.53	0.00	
8,200.00	88.39	0.00	6,689.68	692.49 N	1,465.48 W	1,431,611.97	2,743,472.04	0.00	692.49	0.00	
8,300.00	88.39	0.00	6,692.48	792.45 N	1,465.48 W	1,431,711.92	2,743,473.07	0.00	792.45	0.00	
8,400.00	88.39	0.00	6,695.28	892.41 N	1,465.48 W	1,431,811.87	2,743,474.11	0.00	892.41	0.00	
8,500.00	88.39	0.00	6,698.08	992.37 N	1,465.48 W	1,431,911.83	2,743,475.14	0.00	992.37	0.00	
8,600.00	88.39	0.00	6,700.89	1,092.33 N	1,465.48 W	1,432,011.78	2,743,476.18	0.00	1,092.33	0.00	
8,700.00	88.39	0.00	6,703.69	1,192.29 N	1,465.48 W	1,432,111.73	2,743,477.21	0.00	1,192.29	0.00	
8,800.00	88.39	0.00	6,706.49	1,292.25 N	1,465.48 W	1,432,211.68	2,743,478.24	0.00	1,292.25	0.00	
8,900.00	88.39	0.00	6,709.29	1,392.21 N	1,465.48 W	1,432,311.63	2,743,479.28	0.00	1,392.21	0.00	
9,000.00	88.39	0.00	6,712.09	1,492.17 N	1,465.48 W	1,432,411.59	2,743,480.31	0.00	1,492.17	0.00	
9,100.00	88.39	0.00	6,714.89	1,592.14 N	1,465.48 W	1,432,511.54	2,743,481.35	0.00	1,592.14	0.00	
9,200.00	88.39	0.00	6,717.69	1,692.10 N	1,465.48 W	1,432,611.49	2,743,482.38	0.00	1,692.10	0.00	
9,300.00	88.39	0.00	6,720.49	1,792.06 N	1,465.48 W	1,432,711.44	2,743,483.41	0.00	1,792.06	0.00	
9,400.00	88.39	0.00	6,723.29	1,892.02 N	1,465.48 W	1,432,811.40	2,743,484.45	0.00	1,892.02	0.00	
9,500.00	88.39	0.00	6,726.10	1,991.98 N	1,465.48 W	1,432,911.35	2,743,485.48	0.00	1,991.98	0.00	
9,600.00	88.39	0.00	6,728.90	2,091.94 N	1,465.48 W	1,433,011.30	2,743,486.52	0.00	2,091.94	0.00	
9,700.00	88.39	0.00	6,731.70	2,191.90 N	1,465.48 W	1,433,111.25	2,743,487.55	0.00	2,191.90	0.00	
9,800.00	88.39	0.00	6,734.50	2,291.86 N	1,465.48 W	1,433,211.20	2,743,488.59	0.00	2,291.86	0.00	
9,900.00	88.39	0.00	6,737.30	2,391.82 N	1,465.48 W	1,433,311.16	2,743,489.62	0.00	2,391.82	0.00	
10,000.00	88.39	0.00	6,740.10	2,491.78 N	1,465.48 W	1,433,411.11	2,743,490.65	0.00	2,491.78	0.00	
10,100.00	88.39	0.00	6,742.90	2,591.74 N	1,465.48 W	1,433,511.06	2,743,491.69	0.00	2,591.74	0.00	
10,200.00	88.39	0.00	6,745.70	2,691.70 N	1,465.48 W	1,433,611.01	2,743,492.72	0.00	2,691.70	0.00	

Plan Report for Damfino 5-6H31 - P1

Measured Depth (usft)	Inclination (°)	True Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
10,300.00	88.39	0.00	6,748.50	2,791.66 N	1,465.48 W	1,433,710.96	2,743,493.76	0.00	2,791.66	0.00	
10,400.00	88.39	0.00	6,751.30	2,891.63 N	1,465.48 W	1,433,810.92	2,743,494.79	0.00	2,891.63	0.00	
10,500.00	88.39	0.00	6,754.11	2,991.59 N	1,465.48 W	1,433,910.87	2,743,495.82	0.00	2,991.59	0.00	
10,600.00	88.39	0.00	6,756.91	3,091.55 N	1,465.48 W	1,434,010.82	2,743,496.86	0.00	3,091.55	0.00	
10,700.00	88.39	0.00	6,759.71	3,191.51 N	1,465.48 W	1,434,110.77	2,743,497.89	0.00	3,191.51	0.00	
10,800.00	88.39	0.00	6,762.51	3,291.47 N	1,465.48 W	1,434,210.72	2,743,498.93	0.00	3,291.47	0.00	
10,900.00	88.39	0.00	6,765.31	3,391.43 N	1,465.48 W	1,434,310.68	2,743,499.96	0.00	3,391.43	0.00	
11,000.00	88.39	0.00	6,768.11	3,491.39 N	1,465.48 W	1,434,410.63	2,743,500.99	0.00	3,491.39	0.00	
11,100.00	88.39	0.00	6,770.91	3,591.35 N	1,465.48 W	1,434,510.58	2,743,502.03	0.00	3,591.35	0.00	
11,200.00	88.39	0.00	6,773.71	3,691.31 N	1,465.48 W	1,434,610.53	2,743,503.06	0.00	3,691.31	0.00	
11,300.00	88.39	0.00	6,776.51	3,791.27 N	1,465.48 W	1,434,710.49	2,743,504.10	0.00	3,791.27	0.00	
11,400.00	88.39	0.00	6,779.32	3,891.23 N	1,465.48 W	1,434,810.44	2,743,505.13	0.00	3,891.23	0.00	
11,500.00	88.39	0.00	6,782.12	3,991.19 N	1,465.48 W	1,434,910.39	2,743,506.16	0.00	3,991.19	0.00	
11,600.00	88.39	0.00	6,784.92	4,091.15 N	1,465.48 W	1,435,010.34	2,743,507.20	0.00	4,091.15	0.00	
11,700.00	88.39	0.00	6,787.72	4,191.12 N	1,465.48 W	1,435,110.29	2,743,508.23	0.00	4,191.12	0.00	
11,800.00	88.39	0.00	6,790.52	4,291.08 N	1,465.48 W	1,435,210.25	2,743,509.27	0.00	4,291.08	0.00	
11,900.00	88.39	0.00	6,793.32	4,391.04 N	1,465.48 W	1,435,310.20	2,743,510.30	0.00	4,391.04	0.00	
12,000.00	88.39	0.00	6,796.12	4,491.00 N	1,465.48 W	1,435,410.15	2,743,511.34	0.00	4,491.00	0.00	
12,100.00	88.39	0.00	6,798.92	4,590.96 N	1,465.48 W	1,435,510.10	2,743,512.37	0.00	4,590.96	0.00	
12,200.00	88.39	0.00	6,801.72	4,690.92 N	1,465.48 W	1,435,610.05	2,743,513.40	0.00	4,690.92	0.00	
12,300.00	88.39	0.00	6,804.52	4,790.88 N	1,465.48 W	1,435,710.01	2,743,514.44	0.00	4,790.88	0.00	
12,400.00	88.39	0.00	6,807.33	4,890.84 N	1,465.48 W	1,435,809.96	2,743,515.47	0.00	4,890.84	0.00	
12,500.00	88.39	0.00	6,810.13	4,990.80 N	1,465.48 W	1,435,909.91	2,743,516.51	0.00	4,990.80	0.00	
12,600.00	88.39	0.00	6,812.93	5,090.76 N	1,465.48 W	1,436,009.86	2,743,517.54	0.00	5,090.76	0.00	
12,700.00	88.39	0.00	6,815.73	5,190.72 N	1,465.48 W	1,436,109.82	2,743,518.57	0.00	5,190.72	0.00	
12,800.00	88.39	0.00	6,818.53	5,290.68 N	1,465.48 W	1,436,209.77	2,743,519.61	0.00	5,290.68	0.00	
12,900.00	88.39	0.00	6,821.33	5,390.64 N	1,465.48 W	1,436,309.72	2,743,520.64	0.00	5,390.64	0.00	
13,000.00	88.39	0.00	6,824.13	5,490.61 N	1,465.48 W	1,436,409.67	2,743,521.68	0.00	5,490.61	0.00	
13,100.00	88.39	0.00	6,826.93	5,590.57 N	1,465.48 W	1,436,509.62	2,743,522.71	0.00	5,590.57	0.00	
13,200.00	88.39	0.00	6,829.73	5,690.53 N	1,465.48 W	1,436,609.58	2,743,523.74	0.00	5,690.53	0.00	
13,209.48	88.39	0.00	6,830.00	5,700.00 N	1,465.48 W	1,436,619.05	2,743,523.84	0.00	5,700.00	0.00	Start Dir 2°/100' : 13209.48' MD, 6830'TVD
13,239.73	89.00	0.00	6,830.69	5,730.25 N	1,465.48 W	1,436,649.29	2,743,524.16	2.00	5,730.25	0.00	End Dir : 13239.73' MD, 6830.69' TVD
13,300.00	89.00	0.00	6,831.74	5,790.51 N	1,465.48 W	1,436,709.55	2,743,524.78	0.00	5,790.51	0.00	
13,400.00	89.00	0.00	6,833.48	5,890.49 N	1,465.48 W	1,436,809.52	2,743,525.81	0.00	5,890.49	0.00	
13,500.00	89.00	0.00	6,835.23	5,990.48 N	1,465.48 W	1,436,909.50	2,743,526.85	0.00	5,990.48	0.00	
13,600.00	89.00	0.00	6,836.98	6,090.46 N	1,465.48 W	1,437,009.48	2,743,527.88	0.00	6,090.46	0.00	

Plan Report for Damfino 5-6H31 - P1

Measured Depth (usft)	Inclination (°)	True Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
13,700.00	89.00	0.00	6,838.72	6,190.45 N	1,465.48 W	1,437,109.45	2,743,528.92	0.00	6,190.45	0.00	
13,800.00	89.00	0.00	6,840.47	6,290.43 N	1,465.48 W	1,437,209.43	2,743,529.95	0.00	6,290.43	0.00	
13,900.00	89.00	0.00	6,842.21	6,390.41 N	1,465.48 W	1,437,309.40	2,743,530.98	0.00	6,390.41	0.00	
14,000.00	89.00	0.00	6,843.96	6,490.40 N	1,465.48 W	1,437,409.38	2,743,532.02	0.00	6,490.40	0.00	
14,100.00	89.00	0.00	6,845.70	6,590.38 N	1,465.48 W	1,437,509.36	2,743,533.05	0.00	6,590.38	0.00	
14,200.00	89.00	0.00	6,847.45	6,690.37 N	1,465.48 W	1,437,609.33	2,743,534.09	0.00	6,690.37	0.00	
14,300.00	89.00	0.00	6,849.19	6,790.35 N	1,465.48 W	1,437,709.31	2,743,535.12	0.00	6,790.35	0.00	
14,400.00	89.00	0.00	6,850.94	6,890.34 N	1,465.48 W	1,437,809.28	2,743,536.16	0.00	6,890.34	0.00	
14,500.00	89.00	0.00	6,852.68	6,990.32 N	1,465.48 W	1,437,909.26	2,743,537.19	0.00	6,990.32	0.00	
14,600.00	89.00	0.00	6,854.43	7,090.31 N	1,465.48 W	1,438,009.24	2,743,538.22	0.00	7,090.31	0.00	
14,700.00	89.00	0.00	6,856.17	7,190.29 N	1,465.48 W	1,438,109.21	2,743,539.26	0.00	7,190.29	0.00	
14,800.00	89.00	0.00	6,857.92	7,290.28 N	1,465.48 W	1,438,209.19	2,743,540.29	0.00	7,290.28	0.00	
14,900.00	89.00	0.00	6,859.66	7,390.26 N	1,465.48 W	1,438,309.17	2,743,541.33	0.00	7,390.26	0.00	
15,000.00	89.00	0.00	6,861.41	7,490.25 N	1,465.48 W	1,438,409.14	2,743,542.36	0.00	7,490.25	0.00	
15,100.00	89.00	0.00	6,863.15	7,590.23 N	1,465.48 W	1,438,509.12	2,743,543.40	0.00	7,590.23	0.00	
15,200.00	89.00	0.00	6,864.90	7,690.22 N	1,465.48 W	1,438,609.09	2,743,544.43	0.00	7,690.22	0.00	
15,300.00	89.00	0.00	6,866.64	7,790.20 N	1,465.48 W	1,438,709.07	2,743,545.47	0.00	7,790.20	0.00	
15,400.00	89.00	0.00	6,868.39	7,890.19 N	1,465.48 W	1,438,809.05	2,743,546.50	0.00	7,890.19	0.00	
15,500.00	89.00	0.00	6,870.13	7,990.17 N	1,465.48 W	1,438,909.02	2,743,547.53	0.00	7,990.17	0.00	
15,600.00	89.00	0.00	6,871.88	8,090.16 N	1,465.48 W	1,439,009.00	2,743,548.57	0.00	8,090.16	0.00	
15,700.00	89.00	0.00	6,873.63	8,190.14 N	1,465.48 W	1,439,108.97	2,743,549.60	0.00	8,190.14	0.00	
15,800.00	89.00	0.00	6,875.37	8,290.13 N	1,465.48 W	1,439,208.95	2,743,550.64	0.00	8,290.13	0.00	
15,900.00	89.00	0.00	6,877.12	8,390.11 N	1,465.48 W	1,439,308.93	2,743,551.67	0.00	8,390.11	0.00	
16,000.00	89.00	0.00	6,878.86	8,490.09 N	1,465.48 W	1,439,408.90	2,743,552.71	0.00	8,490.09	0.00	
16,100.00	89.00	0.00	6,880.61	8,590.08 N	1,465.48 W	1,439,508.88	2,743,553.74	0.00	8,590.08	0.00	
16,200.00	89.00	0.00	6,882.35	8,690.06 N	1,465.48 W	1,439,608.86	2,743,554.77	0.00	8,690.06	0.00	
16,300.00	89.00	0.00	6,884.10	8,790.05 N	1,465.48 W	1,439,708.83	2,743,555.81	0.00	8,790.05	0.00	
16,400.00	89.00	0.00	6,885.84	8,890.03 N	1,465.48 W	1,439,808.81	2,743,556.84	0.00	8,890.03	0.00	
16,500.00	89.00	0.00	6,887.59	8,990.02 N	1,465.48 W	1,439,908.78	2,743,557.88	0.00	8,990.02	0.00	
16,600.00	89.00	0.00	6,889.33	9,090.00 N	1,465.48 W	1,440,008.76	2,743,558.91	0.00	9,090.00	0.00	
16,700.00	89.00	0.00	6,891.08	9,189.99 N	1,465.48 W	1,440,108.74	2,743,559.95	0.00	9,189.99	0.00	
16,800.00	89.00	0.00	6,892.82	9,289.97 N	1,465.48 W	1,440,208.71	2,743,560.98	0.00	9,289.97	0.00	
16,900.00	89.00	0.00	6,894.57	9,389.96 N	1,465.48 W	1,440,308.69	2,743,562.01	0.00	9,389.96	0.00	
17,000.00	89.00	0.00	6,896.31	9,489.94 N	1,465.48 W	1,440,408.66	2,743,563.05	0.00	9,489.94	0.00	
17,100.00	89.00	0.00	6,898.06	9,589.93 N	1,465.48 W	1,440,508.64	2,743,564.08	0.00	9,589.93	0.00	
17,200.00	89.00	0.00	6,899.80	9,689.91 N	1,465.48 W	1,440,608.62	2,743,565.12	0.00	9,689.91	0.00	
17,300.00	89.00	0.00	6,901.55	9,789.90 N	1,465.48 W	1,440,708.59	2,743,566.15	0.00	9,789.90	0.00	

Plan Report for Damfino 5-6H31 - P1

Measured Depth (usft)	Inclination (°)	True Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
17,400.00	89.00	0.00	6,903.29	9,889.88 N	1,465.48 W	1,440,808.57	2,743,567.19	0.00	9,889.88	0.00	
17,500.00	89.00	0.00	6,905.04	9,989.87 N	1,465.48 W	1,440,908.55	2,743,568.22	0.00	9,989.87	0.00	
17,600.00	89.00	0.00	6,906.78	10,089.85 N	1,465.48 W	1,441,008.52	2,743,569.25	0.00	10,089.85	0.00	
17,700.00	89.00	0.00	6,908.53	10,189.84 N	1,465.48 W	1,441,108.50	2,743,570.29	0.00	10,189.84	0.00	
17,800.00	89.00	0.00	6,910.28	10,289.82 N	1,465.48 W	1,441,208.47	2,743,571.32	0.00	10,289.82	0.00	
17,834.01	89.00	0.00	6,910.87	10,323.83 N	1,465.48 W	1,441,242.48	2,743,571.68	0.00	10,323.83	0.00	Total Depth : 17834.01' MD, 6910.87' TVD

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,526.00	2,526.00	0.00	0.00	Start Dir 2°/100' : 2526' MD, 2526'TVD
4,122.64	4,041.25	-180.92	-393.98	End Dir : 4122.64' MD, 4041.25' TVD
6,187.91	5,793.99	-636.77	-1,386.68	Start Dir 10°/100' : 6187.91' MD, 5793.99'TVD
7,407.24	6,670.00	-100.00	-1,465.48	End Dir : 7407.24' MD, 6670' TVD
7,457.24	6,670.00	-50.00	-1,465.48	Start Dir 2°/100' : 7457.24' MD, 6670'TVD
7,537.50	6,671.12	30.25	-1,465.48	End Dir : 7537.5' MD, 6671.12' TVD
13,209.48	6,830.00	5,700.00	-1,465.48	Start Dir 2°/100' : 13209.48' MD, 6830'TVD
13,239.73	6,830.69	5,730.25	-1,465.48	End Dir : 13239.73' MD, 6830.69' TVD
17,834.01	6,910.87	10,323.83	-1,465.48	Total Depth : 17834.01' MD, 6910.87' TVD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/_S (usft)	+E/-W (usft)	
User	No Target (Freehand)	0.00	Slot	0.00	0.00	26.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
26.00	17,833.87	P1	3_MWD+HRGM

Plan Report for Damfino 5-6H31 - P1

Casing Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
2,500.00	2,500.00	9 5/8"	9-5/8	13-1/2

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
5-6H31_P1_PBHL ()	0.00	0.00	6,830.00	10,323.83	-1,465.47	1,441,242.48	2,743,571.69	40.540949	-106.422649
- plan misses target center by 80.86usft at 17832.60usft MD (6910.84 TVD, 10322.42 N, -1465.48 E)									
- Point									

Directional Difficulty Index

Average Dogleg over Survey:	0.88 °/100usft	Maximum Dogleg over Survey:	10.00 °/100usft at 6,507.24 usft
Net Tortousity applicable to Plans:	0.88 °/100usft	Directional Difficulty Index:	6.830

Audit Info

North Reference Sheet for Sec. 06-T06N-R80W - Damfino 5-6H31 - OWB_

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

Vertical Depths are relative to RKB = 26' @ 8246.00usft. Northing and Easting are relative to Damfino 5-6H31

Coordinate System is US State Plane 1983, Colorado Northern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is -105.500000°, Longitude Origin:0.000000°, Latitude Origin:40.783333°

False Easting: 3,000,000.00usft, False Northing: 1,000,000.00usft, Scale Reduction: 0.99996727

Grid Coordinates of Well: 1,430,904.38 usft N, 2,744,930.23 usft E

Geographical Coordinates of Well: 40.512612, -106.417376

Grid Convergence at Surface is: -0.59°

Based upon Minimum Curvature type calculations, at a Measured Depth of 17,834.01usft
the Bottom Hole Displacement is 10,427.32usft in the Direction of 351.92° (True).

Magnetic Convergence at surface is: -8.96° (29 April 2022, , BGGM2021)

