

Company: D90 Energy, LLC

Well Name: Damfino 7-6H31

County: Jackson County, CO

Rig: OWB_

Wellbore: P1.1

Plan: P1.1

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: 12:08, May 03 2022

WELL DETAILS: Damfino 7-6H31

Ground Level: 8220.00

RKB = 26' @ 8246.00usft

+N/-S0.00

+E/-W0.00

Northing1430957.42

Easting2744958.23

Latitude40.512758

Longitude-106.417277

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 1°/100' : 2526' MD, 2526'TVD
3	3117.47	5.91	214.30	3116.42	-25.20	-17.19	1.00	214.30	-25.20	End Dir : 3117.47' MD, 3116.42' TVD
4	5520.46	5.91	214.30	5506.62	-229.76	-156.73	0.00	0.00	-229.76	Start Dir 1°/100' : 5520.46' MD, 5506.62'TVD
5	6111.93	0.00	0.00	6097.04	-254.96	-173.92	1.00	180.00	-254.96	End Dir : 6111.93' MD, 6097.04' TVD
6	6211.93	0.00	0.00	6197.04	-254.96	-173.92	0.00	0.00	-254.96	Start Dir 10°/100' : 6211.93' MD, 6197.04'TVD
7	7111.93	90.00	0.00	6770.00	318.00	-173.92	10.00	0.00	318.00	End Dir : 7111.93' MD, 6770' TVD
8	7161.93	90.00	0.00	6770.00	368.00	-173.92	0.00	0.00	368.00	Start Dir 2°/100' : 7161.93' MD, 6770'TVD
9	7233.89	88.56	0.00	6770.90	439.95	-173.92	2.00	180.00	439.95	End Dir : 7233.89' MD, 6770.9' TVD
10	15324.55	88.56	0.00	6974.10	8528.05	-173.92	0.00	0.00	8528.05	Start Dir 2°/100' : 15324.55' MD, 6974.1'TVD
11	15396.50	90.00	0.00	6975.00	8600.00	-173.92	2.00	0.00	8600.00	End Dir : 15396.5' MD, 6975' TVD
12	17034.31	90.00	0.00	6975.00	10237.80	-173.92	0.00	0.00	10237.80	Total Depth : 17034.31' MD, 6975' TVD

True Vertical Depth (400 usft/in)

0

800

1600

2400

3200

4000

4800

5600

6400

7200

8000

Start Dir 1°/100' : 2526' MD, 2526'TVD

9 5/8"

End Dir : 3117.47' MD, 3116.42' TVD

Start Dir 1°/100' : 5520.46' MD, 5506.62'TVD

End Dir : 6111.93' MD, 6097.04' TVD

Start Dir 10°/100' : 6211.93' MD, 6197.04'TVD

End Dir : 7111.93' MD, 6770' TVD

Start Dir 2°/100' : 7161.93' MD, 6770'TVD

End Dir : 7233.89' MD, 6770.9' TVD

Start Dir 2°/100' : 15324.55' MD, 6974.1'TVD

End Dir : 15396.5' MD, 6975' TVD

7-6H31_P1_PBHL

Vertical Section at 0.00° (400 usft/in)

7-6H31_P1_PBHL

Mutual 02-30H

Mutual 02-30H

Sec. 31-T6N-R80W

End Dir : 15396.5' MD, 6975' TVD

Start Dir 2°/100' : 15324.55' MD, 6974.1'TVD

Mutual 04-30H

Sec. 6-T6N-R80W

Damfino 2-06H

End Dir : 7233.89' MD, 6770.9' TVD

Start Dir 2°/100' : 7161.93' MD, 6770'TVD

End Dir : 7111.93' MD, 6770' TVD

Start Dir 10°/100' : 6211.93' MD, 6197.04'TVD

End Dir : 6111.93' MD, 6097.04' TVD

Start Dir 1°/100' : 5520.46' MD, 5506.62'TVD

End Dir : 3117.47' MD, 3116.42' TVD

Start Dir 1°/100' : 2526' MD, 2526'TVD

Surprise 4-06H

Spicer 1-06H

South Coalmont (PA)

Damfino 7-6H31

Damfino 5-6H31

Damfino 6-6H31

Damfino 8-6H31

Damfino 788 100' Hardline

West(-)/East(+) (650 usft/in)

-2972

-2229

-1486

-743

0

743

1486

2229

2972

3714

4457

5200

5943

South(-)/North(+) (650 usft/in)

11143

10400

9658

8915

8172

7429

6686

5943

5200

4457

3714

2972

2229

1486

743

0

-743

-1486

-2229

D90 Energy, LLC

Jackson County, CO Sec. 06-T06N-R80W

API#

Damfino 7-6H31

454' FSL, 2163' FEL

OWB_

Plan: P1.1

Please review plan for Magnetic Toolface Switchover.

Highlighted inclination-tangent sections are between 4 and 6°.

Sperry Drilling Services

Combo Report

03 May, 2022

Well Coordinates: 40.512758
-106.417278

North American Datum 1983
Colorado Northern Zone
1,430,957.42 N
2,744,958.23 E

Ground Level: 8,220.00 usft

Geodetic Scale Factor Applied

Local Coordinate Origin:

Centered on Well Damfino 7-6H31

Viewing Datum:

RKB = 26' @ 8246.00usft

TVDs to System:

N

North Reference:

True

Unit System:

Midcon

Geodetic Scale Factor Applied

Version: 5000.15 Build: 91F

Report Version: Midcon Combo v1.15

HALLIBURTON

Plan Report for Damfino 7-6H31 - P1.1

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	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
1,100.00	0.00	0.00	1,100.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
1,200.00	0.00	0.00	1,200.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
1,600.00	0.00	0.00	1,600.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
1,700.00	0.00	0.00	1,700.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
1,800.00	0.00	0.00	1,800.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
1,900.00	0.00	0.00	1,900.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
2,200.00	0.00	0.00	2,200.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
2,300.00	0.00	0.00	2,300.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
2,400.00	0.00	0.00	2,400.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,500.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	9 5/8"
2,526.00	0.00	0.00	2,526.00	0.00 N	0.00 E	1,430,957.42	2,744,958.23	0.00	0.00	0.00	Start Dir 1°/100' : 2526' MD, 2526'TVD
2,600.00	0.74	214.30	2,600.00	0.39 S	0.27 W	1,430,957.03	2,744,957.96	1.00	-0.39	214.30	
2,700.00	1.74	214.30	2,699.97	2.18 S	1.49 W	1,430,955.25	2,744,956.72	1.00	-2.18	0.00	
2,800.00	2.74	214.30	2,799.90	5.41 S	3.69 W	1,430,952.05	2,744,954.48	1.00	-5.41	0.00	
2,900.00	3.74	214.30	2,899.73	10.08 S	6.88 W	1,430,947.41	2,744,951.25	1.00	-10.08	0.00	
3,000.00	4.74	214.30	2,999.46	16.19 S	11.04 W	1,430,941.35	2,744,947.02	1.00	-16.19	0.00	
3,100.00	5.74	214.30	3,099.04	23.73 S	16.19 W	1,430,933.86	2,744,941.80	1.00	-23.73	0.00	
3,117.47	5.91	214.30	3,116.42	25.20 S	17.19 W	1,430,932.40	2,744,940.78	1.00	-25.20	0.00	End Dir : 3117.47' MD, 3116.42' TVD
3,200.00	5.91	214.30	3,198.51	32.22 S	21.98 W	1,430,925.43	2,744,935.92	0.00	-32.22	0.00	
3,300.00	5.91	214.30	3,297.98	40.74 S	27.79 W	1,430,916.97	2,744,930.02	0.00	-40.74	0.00	

Plan Report for Damfino 7-6H31 - P1.1

Measured		True	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)	(°/100usft)	(usft)	(°)	
3,400.00	5.91	214.30	3,397.45	49.25 S	33.60 W	1,430,908.52	2,744,924.13	0.00	-49.25	0.00	
3,500.00	5.91	214.30	3,496.91	57.76 S	39.40 W	1,430,900.07	2,744,918.23	0.00	-57.76	0.00	
3,600.00	5.91	214.30	3,596.38	66.27 S	45.21 W	1,430,891.62	2,744,912.34	0.00	-66.27	0.00	
3,700.00	5.91	214.30	3,695.85	74.79 S	51.02 W	1,430,883.17	2,744,906.44	0.00	-74.79	0.00	
3,800.00	5.91	214.30	3,795.32	83.30 S	56.82 W	1,430,874.71	2,744,900.55	0.00	-83.30	0.00	
3,900.00	5.91	214.30	3,894.78	91.81 S	62.63 W	1,430,866.26	2,744,894.66	0.00	-91.81	0.00	
4,000.00	5.91	214.30	3,994.25	100.33 S	68.44 W	1,430,857.81	2,744,888.76	0.00	-100.33	0.00	
4,100.00	5.91	214.30	4,093.72	108.84 S	74.24 W	1,430,849.36	2,744,882.87	0.00	-108.84	0.00	
4,200.00	5.91	214.30	4,193.19	117.35 S	80.05 W	1,430,840.91	2,744,876.97	0.00	-117.35	0.00	
4,300.00	5.91	214.30	4,292.65	125.86 S	85.86 W	1,430,832.45	2,744,871.08	0.00	-125.86	0.00	
4,400.00	5.91	214.30	4,392.12	134.38 S	91.67 W	1,430,824.00	2,744,865.18	0.00	-134.38	0.00	
4,500.00	5.91	214.30	4,491.59	142.89 S	97.47 W	1,430,815.55	2,744,859.29	0.00	-142.89	0.00	
4,600.00	5.91	214.30	4,591.06	151.40 S	103.28 W	1,430,807.10	2,744,853.39	0.00	-151.40	0.00	
4,700.00	5.91	214.30	4,690.53	159.92 S	109.09 W	1,430,798.65	2,744,847.50	0.00	-159.92	0.00	
4,800.00	5.91	214.30	4,789.99	168.43 S	114.89 W	1,430,790.19	2,744,841.60	0.00	-168.43	0.00	
4,900.00	5.91	214.30	4,889.46	176.94 S	120.70 W	1,430,781.74	2,744,835.71	0.00	-176.94	0.00	
5,000.00	5.91	214.30	4,988.93	185.45 S	126.51 W	1,430,773.29	2,744,829.81	0.00	-185.45	0.00	
5,100.00	5.91	214.30	5,088.40	193.97 S	132.31 W	1,430,764.84	2,744,823.92	0.00	-193.97	0.00	
5,200.00	5.91	214.30	5,187.86	202.48 S	138.12 W	1,430,756.39	2,744,818.03	0.00	-202.48	0.00	
5,300.00	5.91	214.30	5,287.33	210.99 S	143.93 W	1,430,747.93	2,744,812.13	0.00	-210.99	0.00	
5,400.00	5.91	214.30	5,386.80	219.51 S	149.74 W	1,430,739.48	2,744,806.24	0.00	-219.51	0.00	
5,500.00	5.91	214.30	5,486.27	228.02 S	155.54 W	1,430,731.03	2,744,800.34	0.00	-228.02	0.00	
5,520.46	5.91	214.30	5,506.62	229.76 S	156.73 W	1,430,729.30	2,744,799.14	0.00	-229.76	0.00	Start Dir 1°/100' : 5520.46' MD, 5506.62'TVD
5,600.00	5.12	214.30	5,585.79	236.08 S	161.04 W	1,430,723.03	2,744,794.76	1.00	-236.08	-180.00	
5,700.00	4.12	214.30	5,685.46	242.73 S	165.58 W	1,430,716.42	2,744,790.15	1.00	-242.73	180.00	
5,800.00	3.12	214.30	5,785.26	247.94 S	169.14 W	1,430,711.25	2,744,786.54	1.00	-247.94	180.00	
5,900.00	2.12	214.30	5,885.16	251.72 S	171.71 W	1,430,707.50	2,744,783.93	1.00	-251.72	180.00	
6,000.00	1.12	214.30	5,985.11	254.05 S	173.30 W	1,430,705.18	2,744,782.31	1.00	-254.05	180.00	
6,100.00	0.12	214.30	6,085.11	254.95 S	173.91 W	1,430,704.29	2,744,781.69	1.00	-254.95	180.00	
6,111.93	0.00	0.00	6,097.04	254.96 S	173.92 W	1,430,704.28	2,744,781.69	1.00	-254.96	180.00	End Dir : 6111.93' MD, 6097.04' TVD
6,200.00	0.00	0.00	6,185.11	254.96 S	173.92 W	1,430,704.28	2,744,781.69	0.00	-254.96	0.00	
6,211.93	0.00	0.00	6,197.04	254.96 S	173.92 W	1,430,704.28	2,744,781.69	0.00	-254.96	0.00	Start Dir 10°/100' : 6211.93' MD, 6197.04'TVD
6,300.00	8.81	0.00	6,284.76	248.20 S	173.92 W	1,430,711.04	2,744,781.76	10.00	-248.20	0.00	
6,400.00	18.81	0.00	6,381.75	224.37 S	173.92 W	1,430,734.87	2,744,782.00	10.00	-224.37	0.00	
6,500.00	28.81	0.00	6,473.12	184.06 S	173.92 W	1,430,775.18	2,744,782.42	10.00	-184.06	0.00	
6,600.00	38.81	0.00	6,556.11	128.49 S	173.92 W	1,430,830.74	2,744,783.00	10.00	-128.49	0.00	
6,700.00	48.81	0.00	6,628.19	59.35 S	173.92 W	1,430,899.87	2,744,783.71	10.00	-59.35	0.00	

Plan Report for Damfino 7-6H31 - P1.1

Measured		True	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)	(°/100usft)	(usft)	(°)	
6,800.00	58.81	0.00	6,687.16	21.25 N	173.92 W	1,430,980.47	2,744,784.54	10.00	21.25	0.00	
6,900.00	68.81	0.00	6,731.25	110.87 N	173.92 W	1,431,070.07	2,744,785.47	10.00	110.87	0.00	
7,000.00	78.81	0.00	6,759.10	206.78 N	173.92 W	1,431,165.98	2,744,786.46	10.00	206.78	0.00	
7,100.00	88.81	0.00	6,769.88	306.07 N	173.92 W	1,431,265.26	2,744,787.49	10.00	306.07	0.00	
7,111.93	90.00	0.00	6,770.00	318.00 N	173.92 W	1,431,277.19	2,744,787.61	10.00	318.00	0.00	End Dir : 7111.93' MD, 6770' TVD
7,161.93	90.00	0.00	6,770.00	368.00 N	173.92 W	1,431,327.19	2,744,788.13	0.00	368.00	0.00	Start Dir 2°/100' : 7161.93' MD, 6770'TVD
7,200.00	89.24	0.00	6,770.25	406.06 N	173.92 W	1,431,365.25	2,744,788.53	2.00	406.06	180.00	
7,233.89	88.56	0.00	6,770.90	439.95 N	173.92 W	1,431,399.13	2,744,788.88	2.00	439.95	-180.00	End Dir : 7233.89' MD, 6770.9' TVD
7,300.00	88.56	0.00	6,772.56	506.04 N	173.92 W	1,431,465.21	2,744,789.56	0.00	506.04	0.00	
7,400.00	88.56	0.00	6,775.08	606.01 N	173.92 W	1,431,565.17	2,744,790.59	0.00	606.01	0.00	
7,500.00	88.56	0.00	6,777.59	705.97 N	173.92 W	1,431,665.13	2,744,791.63	0.00	705.97	0.00	
7,600.00	88.56	0.00	6,780.10	805.94 N	173.92 W	1,431,765.09	2,744,792.66	0.00	805.94	0.00	
7,700.00	88.56	0.00	6,782.61	905.91 N	173.92 W	1,431,865.05	2,744,793.70	0.00	905.91	0.00	
7,800.00	88.56	0.00	6,785.12	1,005.88 N	173.92 W	1,431,965.01	2,744,794.73	0.00	1,005.88	0.00	
7,900.00	88.56	0.00	6,787.63	1,105.85 N	173.92 W	1,432,064.97	2,744,795.76	0.00	1,105.85	0.00	
8,000.00	88.56	0.00	6,790.14	1,205.82 N	173.92 W	1,432,164.93	2,744,796.80	0.00	1,205.82	0.00	
8,100.00	88.56	0.00	6,792.66	1,305.78 N	173.92 W	1,432,264.89	2,744,797.83	0.00	1,305.78	0.00	
8,200.00	88.56	0.00	6,795.17	1,405.75 N	173.92 W	1,432,364.85	2,744,798.87	0.00	1,405.75	0.00	
8,300.00	88.56	0.00	6,797.68	1,505.72 N	173.92 W	1,432,464.81	2,744,799.90	0.00	1,505.72	0.00	
8,400.00	88.56	0.00	6,800.19	1,605.69 N	173.92 W	1,432,564.77	2,744,800.93	0.00	1,605.69	0.00	
8,500.00	88.56	0.00	6,802.70	1,705.66 N	173.92 W	1,432,664.73	2,744,801.97	0.00	1,705.66	0.00	
8,600.00	88.56	0.00	6,805.21	1,805.63 N	173.92 W	1,432,764.69	2,744,803.00	0.00	1,805.63	0.00	
8,700.00	88.56	0.00	6,807.72	1,905.60 N	173.92 W	1,432,864.65	2,744,804.04	0.00	1,905.60	0.00	
8,800.00	88.56	0.00	6,810.24	2,005.56 N	173.92 W	1,432,964.61	2,744,805.07	0.00	2,005.56	0.00	
8,900.00	88.56	0.00	6,812.75	2,105.53 N	173.92 W	1,433,064.57	2,744,806.10	0.00	2,105.53	0.00	
9,000.00	88.56	0.00	6,815.26	2,205.50 N	173.92 W	1,433,164.53	2,744,807.14	0.00	2,205.50	0.00	
9,100.00	88.56	0.00	6,817.77	2,305.47 N	173.92 W	1,433,264.49	2,744,808.17	0.00	2,305.47	0.00	
9,200.00	88.56	0.00	6,820.28	2,405.44 N	173.92 W	1,433,364.45	2,744,809.21	0.00	2,405.44	0.00	
9,300.00	88.56	0.00	6,822.79	2,505.41 N	173.92 W	1,433,464.41	2,744,810.24	0.00	2,505.41	0.00	
9,400.00	88.56	0.00	6,825.30	2,605.37 N	173.92 W	1,433,564.37	2,744,811.27	0.00	2,605.37	0.00	
9,500.00	88.56	0.00	6,827.82	2,705.34 N	173.92 W	1,433,664.33	2,744,812.31	0.00	2,705.34	0.00	
9,600.00	88.56	0.00	6,830.33	2,805.31 N	173.92 W	1,433,764.29	2,744,813.34	0.00	2,805.31	0.00	
9,700.00	88.56	0.00	6,832.84	2,905.28 N	173.92 W	1,433,864.25	2,744,814.38	0.00	2,905.28	0.00	
9,800.00	88.56	0.00	6,835.35	3,005.25 N	173.92 W	1,433,964.21	2,744,815.41	0.00	3,005.25	0.00	
9,900.00	88.56	0.00	6,837.86	3,105.22 N	173.92 W	1,434,064.17	2,744,816.44	0.00	3,105.22	0.00	
10,000.00	88.56	0.00	6,840.37	3,205.19 N	173.92 W	1,434,164.13	2,744,817.48	0.00	3,205.19	0.00	
10,100.00	88.56	0.00	6,842.88	3,305.15 N	173.92 W	1,434,264.09	2,744,818.51	0.00	3,305.15	0.00	

Plan Report for Damfino 7-6H31 - P1.1

Measured Depth (usft)	Inclination (°)	True Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
10,200.00	88.56	0.00	6,845.40	3,405.12 N	173.92 W	1,434,364.05	2,744,819.55	0.00	3,405.12	0.00	
10,300.00	88.56	0.00	6,847.91	3,505.09 N	173.92 W	1,434,464.01	2,744,820.58	0.00	3,505.09	0.00	
10,400.00	88.56	0.00	6,850.42	3,605.06 N	173.92 W	1,434,563.97	2,744,821.61	0.00	3,605.06	0.00	
10,500.00	88.56	0.00	6,852.93	3,705.03 N	173.92 W	1,434,663.93	2,744,822.65	0.00	3,705.03	0.00	
10,600.00	88.56	0.00	6,855.44	3,805.00 N	173.92 W	1,434,763.89	2,744,823.68	0.00	3,805.00	0.00	
10,700.00	88.56	0.00	6,857.95	3,904.96 N	173.92 W	1,434,863.85	2,744,824.72	0.00	3,904.96	0.00	
10,800.00	88.56	0.00	6,860.46	4,004.93 N	173.92 W	1,434,963.81	2,744,825.75	0.00	4,004.93	0.00	
10,900.00	88.56	0.00	6,862.98	4,104.90 N	173.92 W	1,435,063.77	2,744,826.79	0.00	4,104.90	0.00	
11,000.00	88.56	0.00	6,865.49	4,204.87 N	173.92 W	1,435,163.73	2,744,827.82	0.00	4,204.87	0.00	
11,100.00	88.56	0.00	6,868.00	4,304.84 N	173.92 W	1,435,263.69	2,744,828.85	0.00	4,304.84	0.00	
11,200.00	88.56	0.00	6,870.51	4,404.81 N	173.92 W	1,435,363.65	2,744,829.89	0.00	4,404.81	0.00	
11,300.00	88.56	0.00	6,873.02	4,504.78 N	173.92 W	1,435,463.61	2,744,830.92	0.00	4,504.78	0.00	
11,400.00	88.56	0.00	6,875.53	4,604.74 N	173.92 W	1,435,563.57	2,744,831.96	0.00	4,604.74	0.00	
11,500.00	88.56	0.00	6,878.04	4,704.71 N	173.92 W	1,435,663.53	2,744,832.99	0.00	4,704.71	0.00	
11,600.00	88.56	0.00	6,880.56	4,804.68 N	173.92 W	1,435,763.49	2,744,834.02	0.00	4,804.68	0.00	
11,700.00	88.56	0.00	6,883.07	4,904.65 N	173.92 W	1,435,863.44	2,744,835.06	0.00	4,904.65	0.00	
11,800.00	88.56	0.00	6,885.58	5,004.62 N	173.92 W	1,435,963.40	2,744,836.09	0.00	5,004.62	0.00	
11,900.00	88.56	0.00	6,888.09	5,104.59 N	173.92 W	1,436,063.36	2,744,837.13	0.00	5,104.59	0.00	
12,000.00	88.56	0.00	6,890.60	5,204.55 N	173.92 W	1,436,163.32	2,744,838.16	0.00	5,204.55	0.00	
12,100.00	88.56	0.00	6,893.11	5,304.52 N	173.92 W	1,436,263.28	2,744,839.19	0.00	5,304.52	0.00	
12,200.00	88.56	0.00	6,895.62	5,404.49 N	173.92 W	1,436,363.24	2,744,840.23	0.00	5,404.49	0.00	
12,300.00	88.56	0.00	6,898.14	5,504.46 N	173.92 W	1,436,463.20	2,744,841.26	0.00	5,504.46	0.00	
12,400.00	88.56	0.00	6,900.65	5,604.43 N	173.92 W	1,436,563.16	2,744,842.30	0.00	5,604.43	0.00	
12,500.00	88.56	0.00	6,903.16	5,704.40 N	173.92 W	1,436,663.12	2,744,843.33	0.00	5,704.40	0.00	
12,600.00	88.56	0.00	6,905.67	5,804.36 N	173.92 W	1,436,763.08	2,744,844.36	0.00	5,804.36	0.00	
12,700.00	88.56	0.00	6,908.18	5,904.33 N	173.92 W	1,436,863.04	2,744,845.40	0.00	5,904.33	0.00	
12,800.00	88.56	0.00	6,910.69	6,004.30 N	173.92 W	1,436,963.00	2,744,846.43	0.00	6,004.30	0.00	
12,900.00	88.56	0.00	6,913.21	6,104.27 N	173.92 W	1,437,062.96	2,744,847.47	0.00	6,104.27	0.00	
13,000.00	88.56	0.00	6,915.72	6,204.24 N	173.92 W	1,437,162.92	2,744,848.50	0.00	6,204.24	0.00	
13,100.00	88.56	0.00	6,918.23	6,304.21 N	173.92 W	1,437,262.88	2,744,849.53	0.00	6,304.21	0.00	
13,200.00	88.56	0.00	6,920.74	6,404.18 N	173.92 W	1,437,362.84	2,744,850.57	0.00	6,404.18	0.00	
13,300.00	88.56	0.00	6,923.25	6,504.14 N	173.92 W	1,437,462.80	2,744,851.60	0.00	6,504.14	0.00	
13,400.00	88.56	0.00	6,925.76	6,604.11 N	173.92 W	1,437,562.76	2,744,852.64	0.00	6,604.11	0.00	
13,500.00	88.56	0.00	6,928.27	6,704.08 N	173.92 W	1,437,662.72	2,744,853.67	0.00	6,704.08	0.00	
13,600.00	88.56	0.00	6,930.79	6,804.05 N	173.92 W	1,437,762.68	2,744,854.70	0.00	6,804.05	0.00	
13,700.00	88.56	0.00	6,933.30	6,904.02 N	173.92 W	1,437,862.64	2,744,855.74	0.00	6,904.02	0.00	

Plan Report for Damfino 7-6H31 - P1.1

Measured		True	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)	(°/100usft)	(usft)	(°)	
13,800.00	88.56	0.00	6,935.81	7,003.99 N	173.92 W	1,437,962.60	2,744,856.77	0.00	7,003.99	0.00	
13,900.00	88.56	0.00	6,938.32	7,103.95 N	173.92 W	1,438,062.56	2,744,857.81	0.00	7,103.95	0.00	
14,000.00	88.56	0.00	6,940.83	7,203.92 N	173.92 W	1,438,162.52	2,744,858.84	0.00	7,203.92	0.00	
14,100.00	88.56	0.00	6,943.34	7,303.89 N	173.92 W	1,438,262.48	2,744,859.87	0.00	7,303.89	0.00	
14,200.00	88.56	0.00	6,945.85	7,403.86 N	173.92 W	1,438,362.44	2,744,860.91	0.00	7,403.86	0.00	
14,300.00	88.56	0.00	6,948.37	7,503.83 N	173.92 W	1,438,462.40	2,744,861.94	0.00	7,503.83	0.00	
14,400.00	88.56	0.00	6,950.88	7,603.80 N	173.92 W	1,438,562.36	2,744,862.98	0.00	7,603.80	0.00	
14,500.00	88.56	0.00	6,953.39	7,703.77 N	173.92 W	1,438,662.32	2,744,864.01	0.00	7,703.77	0.00	
14,600.00	88.56	0.00	6,955.90	7,803.73 N	173.92 W	1,438,762.28	2,744,865.04	0.00	7,803.73	0.00	
14,700.00	88.56	0.00	6,958.41	7,903.70 N	173.92 W	1,438,862.24	2,744,866.08	0.00	7,903.70	0.00	
14,800.00	88.56	0.00	6,960.92	8,003.67 N	173.92 W	1,438,962.20	2,744,867.11	0.00	8,003.67	0.00	
14,900.00	88.56	0.00	6,963.43	8,103.64 N	173.92 W	1,439,062.16	2,744,868.15	0.00	8,103.64	0.00	
15,000.00	88.56	0.00	6,965.95	8,203.61 N	173.92 W	1,439,162.12	2,744,869.18	0.00	8,203.61	0.00	
15,100.00	88.56	0.00	6,968.46	8,303.58 N	173.92 W	1,439,262.08	2,744,870.22	0.00	8,303.58	0.00	
15,200.00	88.56	0.00	6,970.97	8,403.54 N	173.92 W	1,439,362.04	2,744,871.25	0.00	8,403.54	0.00	
15,300.00	88.56	0.00	6,973.48	8,503.51 N	173.92 W	1,439,462.00	2,744,872.28	0.00	8,503.51	0.00	
15,324.55	88.56	0.00	6,974.10	8,528.05 N	173.92 W	1,439,486.54	2,744,872.54	0.00	8,528.05	0.00	Start Dir 2°/100' : 15324.55' MD, 6974.1'TVD
15,396.50	90.00	0.00	6,975.00	8,600.00 N	173.92 W	1,439,558.48	2,744,873.28	2.00	8,600.00	0.00	End Dir : 15396.5' MD, 6975' TVD
15,400.00	90.00	0.00	6,975.00	8,603.50 N	173.92 W	1,439,561.98	2,744,873.32	0.00	8,603.50	0.00	
15,500.00	90.00	0.00	6,975.00	8,703.50 N	173.92 W	1,439,661.97	2,744,874.35	0.00	8,703.50	0.00	
15,600.00	90.00	0.00	6,975.00	8,803.50 N	173.92 W	1,439,761.96	2,744,875.39	0.00	8,803.50	0.00	
15,700.00	90.00	0.00	6,975.00	8,903.50 N	173.92 W	1,439,861.95	2,744,876.42	0.00	8,903.50	0.00	
15,800.00	90.00	0.00	6,975.00	9,003.50 N	173.92 W	1,439,961.94	2,744,877.45	0.00	9,003.50	0.00	
15,900.00	90.00	0.00	6,975.00	9,103.50 N	173.92 W	1,440,061.93	2,744,878.49	0.00	9,103.50	0.00	
16,000.00	90.00	0.00	6,975.00	9,203.50 N	173.92 W	1,440,161.92	2,744,879.52	0.00	9,203.50	0.00	
16,100.00	90.00	0.00	6,975.00	9,303.50 N	173.92 W	1,440,261.91	2,744,880.56	0.00	9,303.50	0.00	
16,200.00	90.00	0.00	6,975.00	9,403.50 N	173.92 W	1,440,361.91	2,744,881.59	0.00	9,403.50	0.00	
16,300.00	90.00	0.00	6,975.00	9,503.50 N	173.92 W	1,440,461.90	2,744,882.63	0.00	9,503.50	0.00	
16,400.00	90.00	0.00	6,975.00	9,603.50 N	173.92 W	1,440,561.89	2,744,883.66	0.00	9,603.50	0.00	
16,500.00	90.00	0.00	6,975.00	9,703.50 N	173.92 W	1,440,661.88	2,744,884.70	0.00	9,703.50	0.00	
16,600.00	90.00	0.00	6,975.00	9,803.50 N	173.92 W	1,440,761.87	2,744,885.73	0.00	9,803.50	0.00	
16,700.00	90.00	0.00	6,975.00	9,903.50 N	173.92 W	1,440,861.86	2,744,886.76	0.00	9,903.50	0.00	
16,800.00	90.00	0.00	6,975.00	10,003.50 N	173.92 W	1,440,961.85	2,744,887.80	0.00	10,003.50	0.00	
16,900.00	90.00	0.00	6,975.00	10,103.50 N	173.92 W	1,441,061.85	2,744,888.83	0.00	10,103.50	0.00	
17,000.00	90.00	0.00	6,975.00	10,203.50 N	173.92 W	1,441,161.84	2,744,889.87	0.00	10,203.50	0.00	
17,034.31	90.00	0.00	6,975.00	10,237.80 N	173.92 W	1,441,196.14	2,744,890.22	0.00	10,237.80	0.00	Total Depth : 17034.31' MD, 6975' TVD

Plan Report for Damfino 7-6H31 - P1.1

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 1°/100' : 2526' MD, 2526'TVD
3,117.47	3,116.42	-25.20	-17.19	End Dir : 3117.47' MD, 3116.42' TVD
5,520.46	5,506.62	-229.76	-156.73	Start Dir 1°/100' : 5520.46' MD, 5506.62'TVD
6,111.93	6,097.04	-254.96	-173.92	End Dir : 6111.93' MD, 6097.04' TVD
6,211.93	6,197.04	-254.96	-173.92	Start Dir 10°/100' : 6211.93' MD, 6197.04'TVD
7,111.93	6,770.00	318.00	-173.92	End Dir : 7111.93' MD, 6770' TVD
7,161.93	6,770.00	368.00	-173.92	Start Dir 2°/100' : 7161.93' MD, 6770'TVD
7,233.89	6,770.90	439.95	-173.92	End Dir : 7233.89' MD, 6770.9' TVD
15,324.55	6,974.10	8,528.05	-173.92	Start Dir 2°/100' : 15324.55' MD, 6974.1'TVD
15,396.50	6,975.00	8,600.00	-173.92	End Dir : 15396.5' MD, 6975' TVD
17,034.31	6,975.00	10,237.80	-173.92	Total Depth : 17034.31' MD, 6975' TVD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (usft)	Origin +E/-W (usft)	Start TVD (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	17,033.49	P1.1	3_MWD+HRGM

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

Plan Report for Damfino 7-6H31 - P1.1

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
7-6H31_P1_PBHL ()	0.00	0.00	6,975.00	10,237.80	-173.82	1,441,196.14	2,744,890.32	40.540859	-106.417903
- plan misses target center by 0.10usft at 17034.31usft MD (6975.00 TVD, 10237.80 N, -173.92 E)									
- Point									

Directional Difficulty Index

Average Dogleg over Survey:	0.62 °/100usft	Maximum Dogleg over Survey:	10.00 °/100usft at 7,111.93 usft
Net Tortousity applicable to Plans:	0.62 °/100usft	Directional Difficulty Index:	6.562

Audit Info

North Reference Sheet for Sec. 06-T06N-R80W - Damfino 7-6H31 - 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 7-6H31

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: 0.99996728

Grid Coordinates of Well: 1,430,957.42 usft N, 2,744,958.23 usft E

Geographical Coordinates of Well: 40.512758, -106.417278

Grid Convergence at Surface is: -0.59°

Based upon Minimum Curvature type calculations, at a Measured Depth of 17,034.31usft
the Bottom Hole Displacement is 10,239.28usft in the Direction of 359.03° (True).

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

