

Endurance Resources, LLC

HALLIBURTON

Sperry Drilling Services



**ENDURANCE
RESOURCES, LLC**

Project: Lea County, NM (NAD 83)
Site: Duo Sonic 29 Fed
Well: Duo Sonic 29 Fed 701H
Wellbore: Wellbore #1
Design: Plan #1
Rig: TBD

SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: GL 3289.4' + KB 25' @ 3314.40usft (TBD)
 Northing Easting Latitude Longitude
 399388.96 831626.95 32° 5' 40.312 N 103° 23' 45.366 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

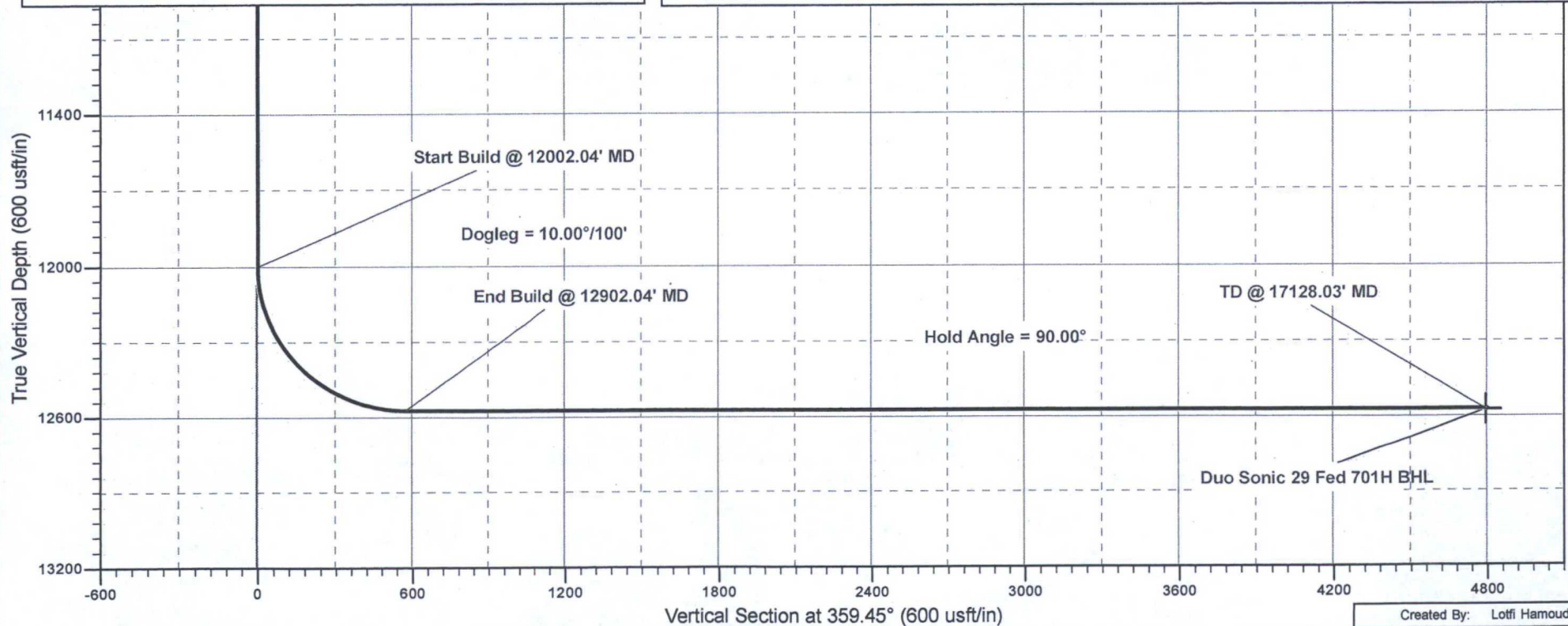
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Duo Sonic 29 Fed 701H BHL	12575.00	4798.73	-45.68	404187.69	831581.27	32° 6' 27.799 N	103° 23' 45.412 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12002.04	0.00	0.00	12002.04	0.00	0.00	0.00	0.00	0.00	Start Build
12902.04	90.00	359.45	12575.00	572.93	-5.45	10.00	359.45	572.96	End Build
17128.03	90.00	359.45	12575.00	4798.73	-45.68	0.00	0.00	4798.95	TD

To convert a Magnetic Direction to a Grid Direction, Add 6.58°

Magnetic Model: BGGM2015 Date: 15-Mar-16
 Azimuths to Grid North



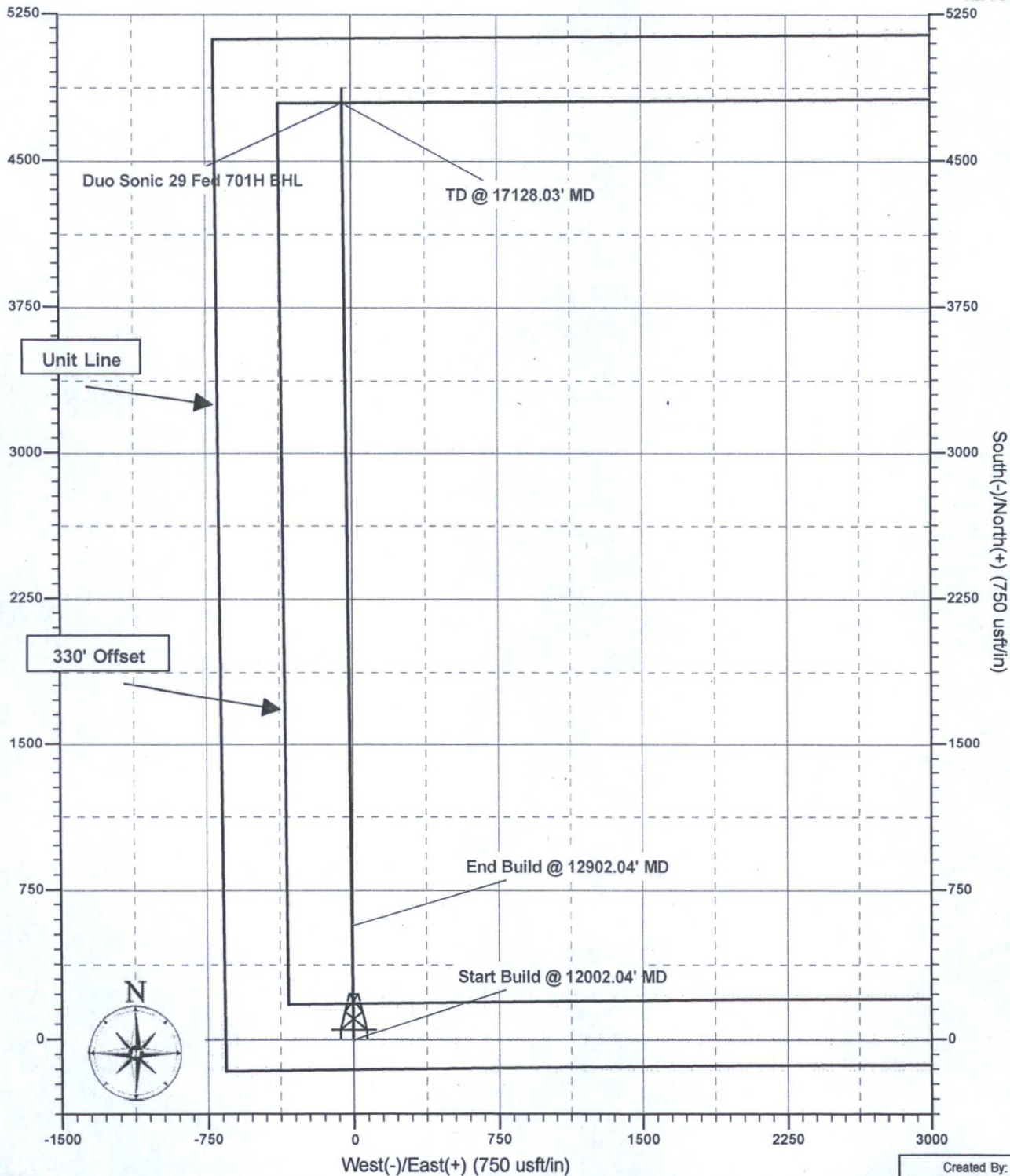
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US State Plane 1983
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 Northing 399388.96 Easting 831626.95 Latitude 32° 5' 40.312 N Longitude 103° 23' 45.366 W

To convert a Magnetic Direction to a Grid Direction, Add 6.58°

Magnetic Model: BGGM2015 Date: 15-Mar-16
 Azimuths to Grid North



Endurance Resources, LLC

Lea County, NM (NAD 83)

Duo Sonic 29 Fed

Duo Sonic 29 Fed 701H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services Proposal Report

15 March, 2016

Well Coordinates: 399,388.96 N, 831,626.95 E (32° 05' 40.31" N, 103° 23' 45.37" W)
Ground Level: 3,289.40 usft

Local Coordinate Origin:	Centered on Well Duo Sonic 29 Fed 701H
Viewing Datum:	GL 3289.4' + KB 25' @ 3314.40usft (TBD)
TVDs to System:	N
North Reference:	Grid
Unit System:	API - US Survey Feet

Version: 5000.1 Build: 81B

HALLIBURTON

Plan Report for Duo Sonic 29 Fed 701H - Plan #1

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Plan Report for Duo Sonic 29 Fed 701H - Plan #1

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,500.00	0.00	0.00	10,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,600.00	0.00	0.00	10,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,700.00	0.00	0.00	10,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,800.00	0.00	0.00	10,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,900.00	0.00	0.00	10,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,000.00	0.00	0.00	11,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,100.00	0.00	0.00	11,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,200.00	0.00	0.00	11,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,300.00	0.00	0.00	11,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,400.00	0.00	0.00	11,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,500.00	0.00	0.00	11,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,600.00	0.00	0.00	11,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,700.00	0.00	0.00	11,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11,800.00	0.00	0.00	11,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Plan Report for Duo Sonic 29 Fed 701H - Plan #1

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
11,900.00	0.00	0.00	11,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12,002.04	0.00	0.00	12,002.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build @ 12002.04' MD - Dogleg = 10.00°/100'										
12,050.00	4.80	359.45	12,049.94	2.01	-0.02	2.01	10.00	10.00	0.00	359.45
12,100.00	9.80	359.45	12,099.52	8.35	-0.08	8.35	10.00	10.00	0.00	0.00
12,150.00	14.80	359.45	12,148.36	19.00	-0.18	19.00	10.00	10.00	0.00	0.00
12,200.00	19.80	359.45	12,196.09	33.86	-0.32	33.86	10.00	10.00	0.00	0.00
12,250.00	24.80	359.45	12,242.33	52.82	-0.50	52.82	10.00	10.00	0.00	0.00
12,300.00	29.80	359.45	12,286.75	75.74	-0.72	75.74	10.00	10.00	0.00	0.00
12,350.00	34.80	359.45	12,329.00	102.45	-0.98	102.45	10.00	10.00	0.00	0.00
12,400.00	39.80	359.45	12,368.77	132.73	-1.26	132.74	10.00	10.00	0.00	0.00
12,450.00	44.80	359.45	12,405.74	166.37	-1.58	166.37	10.00	10.00	0.00	0.00
12,500.00	49.80	359.45	12,439.64	203.10	-1.93	203.11	10.00	10.00	0.00	0.00
12,550.00	54.80	359.45	12,470.21	242.64	-2.31	242.65	10.00	10.00	0.00	0.00
12,600.00	59.80	359.45	12,497.21	284.70	-2.71	284.71	10.00	10.00	0.00	0.00
12,650.00	64.80	359.45	12,520.45	328.95	-3.13	328.97	10.00	10.00	0.00	0.00
12,700.00	69.80	359.45	12,539.74	375.06	-3.57	375.08	10.00	10.00	0.00	0.00
12,750.00	74.80	359.45	12,554.94	422.67	-4.02	422.69	10.00	10.00	0.00	0.00
12,800.00	79.80	359.45	12,565.94	471.43	-4.49	471.45	10.00	10.00	0.00	0.00
12,850.00	84.80	359.45	12,572.64	520.96	-4.96	520.99	10.00	10.00	0.00	0.00
12,902.04	90.00	359.45	12,575.00	572.93	-5.45	572.96	10.00	10.00	0.00	0.00
End Build @ 12902.04' MD - Hold Angle = 90.00°										
13,000.00	90.00	359.45	12,575.00	670.89	-6.39	670.92	0.00	0.00	0.00	0.00
13,100.00	90.00	359.45	12,575.00	770.88	-7.34	770.92	0.00	0.00	0.00	0.00
13,200.00	90.00	359.45	12,575.00	870.88	-8.29	870.92	0.00	0.00	0.00	0.00
13,300.00	90.00	359.45	12,575.00	970.87	-9.24	970.92	0.00	0.00	0.00	0.00
13,400.00	90.00	359.45	12,575.00	1,070.87	-10.19	1,070.92	0.00	0.00	0.00	0.00
13,500.00	90.00	359.45	12,575.00	1,170.86	-11.15	1,170.92	0.00	0.00	0.00	0.00
13,600.00	90.00	359.45	12,575.00	1,270.86	-12.10	1,270.92	0.00	0.00	0.00	0.00
13,700.00	90.00	359.45	12,575.00	1,370.85	-13.05	1,370.92	0.00	0.00	0.00	0.00
13,800.00	90.00	359.45	12,575.00	1,470.85	-14.00	1,470.92	0.00	0.00	0.00	0.00
13,900.00	90.00	359.45	12,575.00	1,570.84	-14.95	1,570.92	0.00	0.00	0.00	0.00
14,000.00	90.00	359.45	12,575.00	1,670.84	-15.91	1,670.92	0.00	0.00	0.00	0.00
14,100.00	90.00	359.45	12,575.00	1,770.84	-16.86	1,770.92	0.00	0.00	0.00	0.00
14,200.00	90.00	359.45	12,575.00	1,870.83	-17.81	1,870.92	0.00	0.00	0.00	0.00
14,300.00	90.00	359.45	12,575.00	1,970.83	-18.76	1,970.92	0.00	0.00	0.00	0.00
14,400.00	90.00	359.45	12,575.00	2,070.82	-19.71	2,070.92	0.00	0.00	0.00	0.00
14,500.00	90.00	359.45	12,575.00	2,170.82	-20.67	2,170.92	0.00	0.00	0.00	0.00
14,600.00	90.00	359.45	12,575.00	2,270.81	-21.62	2,270.92	0.00	0.00	0.00	0.00
14,700.00	90.00	359.45	12,575.00	2,370.81	-22.57	2,370.92	0.00	0.00	0.00	0.00
14,800.00	90.00	359.45	12,575.00	2,470.80	-23.52	2,470.92	0.00	0.00	0.00	0.00
14,900.00	90.00	359.45	12,575.00	2,570.80	-24.47	2,570.92	0.00	0.00	0.00	0.00
15,000.00	90.00	359.45	12,575.00	2,670.79	-25.43	2,670.92	0.00	0.00	0.00	0.00
15,100.00	90.00	359.45	12,575.00	2,770.79	-26.38	2,770.92	0.00	0.00	0.00	0.00
15,200.00	90.00	359.45	12,575.00	2,870.79	-27.33	2,870.92	0.00	0.00	0.00	0.00
15,300.00	90.00	359.45	12,575.00	2,970.78	-28.28	2,970.92	0.00	0.00	0.00	0.00
15,400.00	90.00	359.45	12,575.00	3,070.78	-29.23	3,070.92	0.00	0.00	0.00	0.00
15,500.00	90.00	359.45	12,575.00	3,170.77	-30.18	3,170.92	0.00	0.00	0.00	0.00
15,600.00	90.00	359.45	12,575.00	3,270.77	-31.14	3,270.92	0.00	0.00	0.00	0.00
15,700.00	90.00	359.45	12,575.00	3,370.76	-32.09	3,370.92	0.00	0.00	0.00	0.00
15,800.00	90.00	359.45	12,575.00	3,470.76	-33.04	3,470.92	0.00	0.00	0.00	0.00
15,900.00	90.00	359.45	12,575.00	3,570.75	-33.99	3,570.92	0.00	0.00	0.00	0.00
16,000.00	90.00	359.45	12,575.00	3,670.75	-34.94	3,670.92	0.00	0.00	0.00	0.00
16,100.00	90.00	359.45	12,575.00	3,770.74	-35.90	3,770.92	0.00	0.00	0.00	0.00
16,200.00	90.00	359.45	12,575.00	3,870.74	-36.85	3,870.92	0.00	0.00	0.00	0.00
16,300.00	90.00	359.45	12,575.00	3,970.74	-37.80	3,970.92	0.00	0.00	0.00	0.00
16,400.00	90.00	359.45	12,575.00	4,070.73	-38.75	4,070.92	0.00	0.00	0.00	0.00
16,500.00	90.00	359.45	12,575.00	4,170.73	-39.70	4,170.92	0.00	0.00	0.00	0.00
16,600.00	90.00	359.45	12,575.00	4,270.72	-40.66	4,270.92	0.00	0.00	0.00	0.00

Plan Report for Duo Sonic 29 Fed 701H - Plan #1

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
16,700.00	90.00	359.45	12,575.00	4,370.72	-41.61	4,370.92	0.00	0.00	0.00	0.00
16,800.00	90.00	359.45	12,575.00	4,470.71	-42.56	4,470.92	0.00	0.00	0.00	0.00
16,900.00	90.00	359.45	12,575.00	4,570.71	-43.51	4,570.92	0.00	0.00	0.00	0.00
17,000.00	90.00	359.45	12,575.00	4,670.70	-44.46	4,670.92	0.00	0.00	0.00	0.00
17,100.00	90.00	359.45	12,575.00	4,770.70	-45.42	4,770.92	0.00	0.00	0.00	0.00
17,128.03	90.00	359.45	12,575.00	4,798.73	-45.68	4,798.95	0.00	0.00	0.00	0.00

TD @ 17128.03' MD - Duo Sonic 29 Fed 701H BHL

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
12,002.04	12,002.04	0.00	0.00	Start Build @ 12002.04' MD
12,002.04	12,002.04	0.00	0.00	Dogleg = 10.00°/100'
12,902.04	12,575.00	572.93	-5.45	End Build @ 12902.04' MD
12,902.04	12,575.00	572.93	-5.45	Hold Angle = 90.00°
17,128.03	12,575.00	4,798.73	-45.68	TD @ 17128.03' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (usft)	+E/-W (usft)	Start TVD (usft)
TD	No Target (Freehand)	359.45	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	17,128.03	Plan #1	MWD

Targets associated with this wellbore

Target Name	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Shape
Duo Sonic 29 Fed 701H BHL	12,575.00	4,798.73	-45.68	Point