

Meteorite Energy Services Survey Report

22 August, 2023

PERMIAN North

Martin University 7-14 University 7-14JJ 210H OH

Survey: FINAL SURFACE SURVEYS

(23MJ-311)





Meteorite Energy Services

Survey Report



Company: PERMIAN North

Project: Martin

Site: University 7-14 Well: University 7-14JJ 210H

Wellbore:

Design: FINAL SURFACE SURVEYS (23MJ-311) Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well University 7-14JJ 210H

KB @ GL @ 2899.0usft KB @ GL @ 2899.0usft

Minimum Curvature

EDM 5000.16 Single User Db

Project Martin

Map System: US State Plane 1927 (Exact solution) Geo Datum:

NAD 1927 (NADCON CONUS)

Texas Central 4203 Map Zone:

System Datum:

Mean Sea Level

Site University 7-14

Northing: Site Position: Easting: From: Map

1,009,336.80 usft 1,430,438.20 usft

Latitude: Longitude:

32° 25' 43.181 N 102° 10' 43.906 W

Position Uncertainty:

Slot Radius: 0.0 usft

13-3/16"

Grid Convergence:

-0.95 °

Well University 7-14JJ 210H

+E/-W

Well Position +N/-S

Northing: 0.0 usft 0.0 usft Easting:

1,010,206.70 usft

Latitude: Longitude: 32° 25' 52.134 N

Position Uncertainty

0.0 usft

Wellhead Elevation:

1,432,559.30 usft

Ground Level:

102° 10' 19.336 W 2,899.0 usft

Wellbore ОН

Declination Field Strength Magnetics **Model Name** Sample Date Dip Angle (°) (°) (nT) 5.71 47,399.10000000 User Defined 8/16/2023 59.96

0.0

Design FINAL SURFACE SURVEYS (23MJ-311)

Audit Notes:

Version: 1.0 Phase:

-7.0

ACTUAL

Tie On Depth:

0.0

0.0

108.00

+N/-S Vertical Section: Depth From (TVD) +E/-W Direction (usft) (usft) (usft) (°)

Survey Program 8/22/2023 Date

> From То

(usft) (usft) Survey (Wellbore) **Tool Name**

Description

130.0 1,918.0 FINAL SURFACE SURVEYS (23MJ-311) (MWD+IFR+MS

MWD + IFR + Multi Station

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	-2,899.0	0.0	0.0	0.0	0.00	0.00	0.00
130.0	0.60	177.60	130.0	-2,769.0	-0.7	0.0	0.2	0.46	0.46	0.00
213.0	0.70	200.30	213.0	-2,686.0	-1.6	-0.1	0.4	0.33	0.12	27.35
300.0	0.20	186.90	300.0	-2,599.0	-2.2	-0.3	0.4	0.58	-0.57	-15.40
387.0	0.20	20.50	387.0	-2,512.0	-2.2	-0.3	0.4	0.46	0.00	-191.26
482.0	0.40	337.80	482.0	-2,417.0	-1.8	-0.4	0.2	0.30	0.21	-44.95
577.0	0.20	282.90	577.0	-2,322.0	-1.4	-0.7	-0.2	0.35	-0.21	-57.79
673.0	0.60	84.80	673.0	-2,226.0	-1.4	-0.3	0.1	0.83	0.42	168.65
767.0	1.50	116.60	767.0	-2,132.0	-1.9	1.3	1.8	1.11	0.96	33.83
863.0	2.40	114.00	862.9	-2,036.1	-3.2	4.2	5.0	0.94	0.94	-2.71
958.0	3.70	101.90	957.8	-1,941.2	-4.7	9.1	10.1	1.52	1.37	-12.74
1,054.0	4.20	102.40	1,053.5	-1,845.5	-6.1	15.5	16.6	0.52	0.52	0.52
1,150.0	4.50	104.50	1,149.3	-1,749.7	-7.8	22.6	23.9	0.35	0.31	2.19



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Well: University 7-14JJ 210H

Wellbore: OH

Design: FINAL SURFACE SURVEYS (23MJ-311)

Local Co-ordinate Reference:

TVD Reference: MD Reference:

KB @ GL @ 2899.0usft Grid

Well University 7-14JJ 210H

KB @ GL @ 2899.0usft

North Reference: Gi

Survey Calculation Method: Minimum Curvature

Database: EDM 5000.16 Single User Db

ırvey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,246.0	4.30	107.70	1,245.0	-1,654.0	-9.8	29.7	31.3	0.33	-0.21	3.33
1,341.0	5.00	106.30	1,339.7	-1,559.3	-12.1	37.0	39.0	0.75	0.74	-1.47
1,437.0	5.10	107.70	1,435.3	-1,463.7	-14.5	45.1	47.4	0.17	0.10	1.46
1,532.0	5.00	106.80	1,529.9	-1,369.1	-17.0	53.1	55.8	0.13	-0.11	-0.95
1,628.0	4.90	105.70	1,625.6	-1,273.4	-19.3	61.1	64.0	0.14	-0.10	-1.15
1,724.0	5.00	104.50	1,721.2	-1,177.8	-21.5	69.1	72.3	0.15	0.10	-1.25
1,848.0	4.20	104.70	1,844.8	-1,054.2	-24.0	78.7	82.2	0.65	-0.65	0.16
EXTRAI	POLATION TO B	IT								
1,918.0	4.20	104.70	1,914.6	-984.4	-25.3	83.6	87.4	0.00	0.00	0.00

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
University 7-14JJ 210H - - survey misses targ - Point		0.00 3341.5usft at	9,629.0 : 1918.0usft I	10,761.9 MD (1914.6 T\	-1,372.9 VD, -25.3 N, 8	1,020,968.60 33.6 E)	1,431,186.40	32° 27′ 38.364 N	102° 10' 37.428 W
University 7-14JJ 210H - - survey misses targ - Point		0.00 911.5usft at 1	9,719.0 1918.0usft M	710.5 D (1914.6 TVI	1,152.4 D, -25.3 N, 83	1,010,917.20 i.6 E)	1,433,711.70	32° 25' 59.350 N	102° 10' 6.032 W
University 7-14JJ 210H - - survey misses targ - Point		360.00 686.1usft at	6,440.0 1918.0usft M	225.6 D (1914.6 TV	1,274.2 D, -25.3 N, 83	1,010,432.30 8.6 E)	1,433,833.50	32° 25' 54.574 N	102° 10' 4.518 W

Survey Annotati	ons				
	Measured	Vertical	Local Coord	linates	
	Depth (usft)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
	1,918.0	1,914.6	-25.3	83.6	EXTRAPOLATION TO BIT

Checked By:	Approved By:	Date:	
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