

30-025-3869D

Cimarex Energy Company

HALLIBURTON

Sperry Drilling Services

Project: Lea County, NM
 Site: Caudill South "21" Fee
 Well: #314
 Wellbore: ST01
 Plan: Plan #1 (#3H/ST01)
 Rig: T&B



SECTION DETAILS

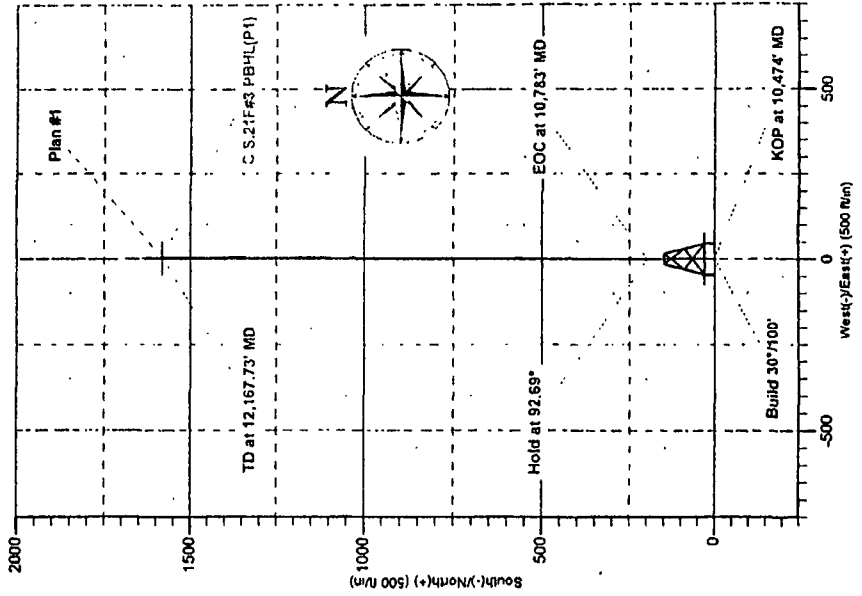
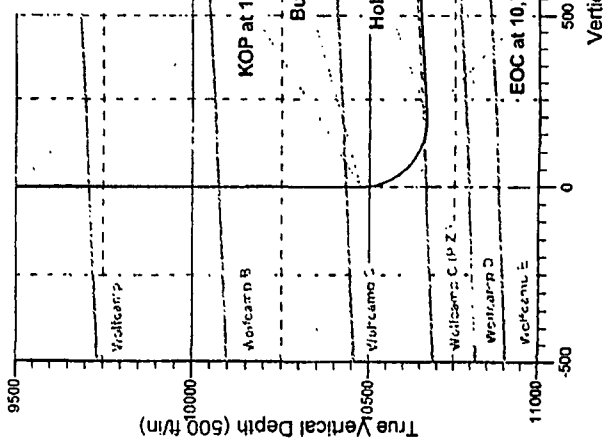
MD	Inc	Azi	TVD	+N/S	+E/W	DLeg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10474.20	0.00	0.00	10474.20	0.00	0.00	0.00	0.00	0.00	KOP at 10,474' MD
10783.17	92.69	0.17	10664.98	199.95	0.59	30.00	0.17	199.95	EOC at 10,783' MD
12167.73	92.69	0.17	10600.00	1582.98	4.68	0.00	0.00	1582.99	TD at 12,167.73' MD

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/S	+E/W	Northing	Easting	Shape Point
C.S.21F#3 PBHL(P1)	10600.00	1582.98	4.68	731109.40	855610.40	

US State Plane 1983 New Mexico Eastern Zone	
Elevation: 3,895' GL + 23' KB @ 3918 00ft (T&B)	
Latitude	Longitude
729526.42	855805.72
33° 0' 4.519 N	103° 18' 27.360 W

To convert a Magnetic Direction to a Grid Direction, Add 7.41°
 Magnetic Model BGM2007 Date 09-Jan-08
 Azimuths to Grid North



Cimarex Energy Company

Lea County, NM
Caudill South "21" Fee
#3H

30-025-38690

ST01

Plan: Plan #1

Sperry Drilling Services Proposal Report

09 January, 2008

Well Coordinates 729,526.42 N, 855,805.72 E (33° 00' 04 52" N, 103° 18' 27.36" W)
Ground Level: 3,895.00 ft

Local Coordinate Origin:	Centered on Well #3H
Viewing Datum:	3,895' GL + 23' KB @ 3918 00ft (T&B)
TVDs to System:	N
North Reference:	Grid
Unit System:	API - U S Survey Feet

Version: 2003 16 Build: 42B

HALLIBURTON

HALLIBURTON**Plan Report for #3H - Plan #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	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

HALLIBURTON

Cimarex Energy Company

Lea County, NM

Plan Report for #3H - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	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
10,474.20	0.00	0.00	10,474.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP at 10,474' MD - Build 30°/100'										
10,500.00	7.74	0.17	10,499.92	1.74	0.01	1.74	29.99	29.99	0.00	0.17
10,600.00	37.74	0.17	10,591.10	39.95	0.12	39.95	30.00	30.00	0.00	0.00
10,700.00	67.74	0.17	10,650.96	118.63	0.35	118.63	30.00	30.00	0.00	0.00
10,783.17	92.69	0.17	10,664.98	199.95	0.59	199.95	30.00	30.00	0.00	0.00
EOC at 10,783' MD - Hold at 92.69°										
10,800.00	92.69	0.17	10,664.19	216.76	0.64	216.76	0.00	0.00	0.00	0.00
10,900.00	92.69	0.17	10,659.50	316.65	0.94	316.65	0.00	0.00	0.00	0.00
11,000.00	92.69	0.17	10,654.80	416.54	1.23	416.54	0.00	0.00	0.00	0.00
11,100.00	92.69	0.17	10,650.11	516.43	1.53	516.43	0.00	0.00	0.00	0.00
11,200.00	92.69	0.17	10,645.42	616.32	1.82	616.32	0.00	0.00	0.00	0.00
11,300.00	92.69	0.17	10,640.72	716.21	2.12	716.21	0.00	0.00	0.00	0.00

Plan Report for #3H - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
11,400.00	92.69	0.17	10,636.03	816.09	2.41	816.10	0.00	0.00	0.00	0.00
11,500.00	92.69	0.17	10,631.34	915.98	2.71	915.99	0.00	0.00	0.00	0.00
11,600.00	92.69	0.17	10,626.64	1,015.87	3.00	1,015.88	0.00	0.00	0.00	0.00
11,700.00	92.69	0.17	10,621.95	1,115.76	3.30	1,115.77	0.00	0.00	0.00	0.00
11,800.00	92.69	0.17	10,617.26	1,215.65	3.59	1,215.66	0.00	0.00	0.00	0.00
11,900.00	92.69	0.17	10,612.57	1,315.54	3.89	1,315.55	0.00	0.00	0.00	0.00
12,000.00	92.69	0.17	10,607.87	1,415.43	4.18	1,415.44	0.00	0.00	0.00	0.00
12,100.00	92.69	0.17	10,603.18	1,515.32	4.48	1,515.33	0.00	0.00	0.00	0.00
12,167.73	92.69	0.17	10,600.00	1,582.98	4.68	1,582.98	0.00	0.00	0.00	0.00

TD at 12,167.73' MD

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
10,474.20	10,474.20	0.00	0.00	KOP at 10,474' MD
10,474.20	10,474.20	0.00	0.00	Build 30°/100'
10,783.17	10,664.98	199.95	0.59	EOC at 10,783' MD
10,783.17	10,664.98	199.95	0.59	Hold at 92.69°
12,167.73	10,600.00	1,582.98	4.68	TD at 12,167.73' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	+E/-W (ft)	Start TVD (ft)
Target	C S 21F#3 PBHL(P1)	0.17	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	12,167.73	Plan #1	MWD

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	10,792.00	Wolfcamp D		-2.69	
	10,881.00	Wolfcamp E		-2.69	
9,710.00	9,710.00	Wolfcamp		-2.69	
10,074.00	10,074.00	Wolfcamp B		-2.69	
10,433.00	10,433.00	Wolfcamp C		-2.69	
10,723.12	10,665.00	Wolfcamp C (P.Z.)		-2.69	

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
C.S.21F#3 PBHL(P1)	10,600.00	1,582.98	4.68	Point

HALLIBURTON

North Reference Sheet for Caudill South "21" Fee - #3H - ST01

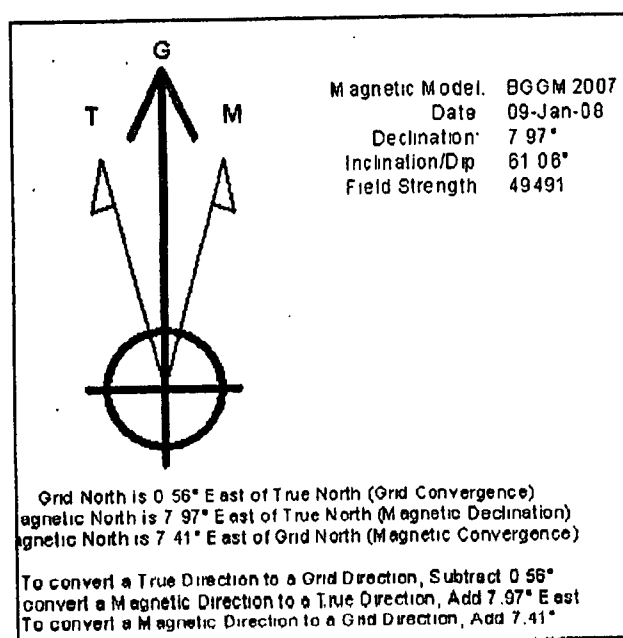
All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.
Vertical Depths are relative to 3,895' GL + 23' KB @ 3918 00ft (T&B) Northing and Easting are relative to #3H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)
Central Meridian is -104.33°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin 0° 0' 0.000 N°
False Easting 541,337.50ft, False Northing: 0.00ft, Scale Reduction: 1.00002232

Grid Coordinates of Well: 729,526.42 ft N, 855,805.72 ft E
Geographical Coordinates of Well 33° 00' 04.52" N, 103° 18' 27.36" W
Grid Convergence at Surface is: 0.56°

Based upon Minimum Curvature type calculations, at a Measured Depth of 12,167.73ft
the Bottom Hole Displacement is 1,582.98ft in the Direction of 0.17° (Grid).

Magnetic Convergence at surface is: -7.41° (9 January 2008, BGGM2007)



30-025-38690

Cimarex Energy Company
#3H - Plan #1Lea County, NM
Caudill South "21" Fee
Your Ref:

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coordinates		UTM Coordinates		Vertical Section (ft)	Dogleg Rate (" / 100ft)
					Northings (ft)	Eastings (ft)	Northings (ft)	Eastings (ft)		
0.00	0.000	0.000	-3918.00	0.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
30.00	0.000	0.000	-3888.00	30.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
60.00	0.000	0.000	-3858.00	60.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
90.00	0.000	0.000	-3828.00	90.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
120.00	0.000	0.000	-3798.00	120.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
150.00	0.000	0.000	-3768.00	150.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
180.00	0.000	0.000	-3738.00	180.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
210.00	0.000	0.000	-3708.00	210.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
240.00	0.000	0.000	-3678.00	240.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
270.00	0.000	0.000	-3648.00	270.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
300.00	0.000	0.000	-3618.00	300.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
330.00	0.000	0.000	-3588.00	330.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
360.00	0.000	0.000	-3558.00	360.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
390.00	0.000	0.000	-3528.00	390.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
420.00	0.000	0.000	-3498.00	420.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
450.00	0.000	0.000	-3468.00	450.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
480.00	0.000	0.000	-3438.00	480.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
510.00	0.000	0.000	-3408.00	510.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
540.00	0.000	0.000	-3378.00	540.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
570.00	0.000	0.000	-3348.00	570.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
600.00	0.000	0.000	-3318.00	600.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
630.00	0.000	0.000	-3288.00	630.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
660.00	0.000	0.000	-3258.00	660.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
690.00	0.000	0.000	-3228.00	690.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
720.00	0.000	0.000	-3198.00	720.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
750.00	0.000	0.000	-3168.00	750.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
780.00	0.000	0.000	-3138.00	780.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
810.00	0.000	0.000	-3108.00	810.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
840.00	0.000	0.000	-3078.00	840.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
870.00	0.000	0.000	-3048.00	870.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
900.00	0.000	0.000	-3018.00	900.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
930.00	0.000	0.000	-2988.00	930.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
960.00	0.000	0.000	-2958.00	960.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
990.00	0.000	0.000	-2928.00	990.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1020.00	0.000	0.000	-2898.00	1020.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1050.00	0.000	0.000	-2868.00	1050.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1080.00	0.000	0.000	-2838.00	1080.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1110.00	0.000	0.000	-2808.00	1110.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1140.00	0.000	0.000	-2778.00	1140.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1170.00	0.000	0.000	-2748.00	1170.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1200.00	0.000	0.000	-2718.00	1200.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1230.00	0.000	0.000	-2688.00	1230.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1260.00	0.000	0.000	-2658.00	1260.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1290.00	0.000	0.000	-2628.00	1290.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1320.00	0.000	0.000	-2598.00	1320.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1350.00	0.000	0.000	-2568.00	1350.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1380.00	0.000	0.000	-2538.00	1380.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1410.00	0.000	0.000	-2508.00	1410.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1440.00	0.000	0.000	-2478.00	1440.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1470.00	0.000	0.000	-2448.00	1470.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1500.00	0.000	0.000	-2418.00	1500.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1530.00	0.000	0.000	-2388.00	1530.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1560.00	0.000	0.000	-2358.00	1560.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1590.00	0.000	0.000	-2328.00	1590.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1620.00	0.000	0.000	-2298.00	1620.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1650.00	0.000	0.000	-2268.00	1650.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1680.00	0.000	0.000	-2238.00	1680.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1710.00	0.000	0.000	-2208.00	1710.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1740.00	0.000	0.000	-2178.00	1740.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1770.00	0.000	0.000	-2148.00	1770.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1800.00	0.000	0.000	-2118.00	1800.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1830.00	0.000	0.000	-2088.00	1830.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1860.00	0.000	0.000	-2058.00	1860.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1890.00	0.000	0.000	-2028.00	1890.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1920.00	0.000	0.000	-1998.00	1920.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1950.00	0.000	0.000	-1968.00	1950.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
1980.00	0.000	0.000	-1938.00	1980.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2010.00	0.000	0.000	-1908.00	2010.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2040.00	0.000	0.000	-1878.00	2040.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2070.00	0.000	0.000	-1848.00	2070.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2100.00	0.000	0.000	-1818.00	2100.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2130.00	0.000	0.000	-1788.00	2130.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2160.00	0.000	0.000	-1758.00	2160.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2190.00	0.000	0.000	-1728.00	2190.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2220.00	0.000	0.000	-1698.00	2220.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2250.00	0.000	0.000	-1668.00	2250.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2280.00	0.000	0.000	-1638.00	2280.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2310.00	0.000	0.000	-1608.00	2310.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2340.00	0.000	0.000	-1578.00	2340.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2370.00	0.000	0.000	-1548.00	2370.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2400.00	0.000	0.000	-1518.00	2400.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2430.00	0.000	0.000	-1488.00	2430.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2460.00	0.000	0.000	-1458.00	2460.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2490.00	0.000	0.000	-1428.00	2490.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00

2520.00	0.000	0.000	-1398.00	2520.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2550.00	0.000	0.000	-1368.00	2550.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2580.00	0.000	0.000	-1338.00	2580.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2610.00	0.000	0.000	-1308.00	2610.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2640.00	0.000	0.000	-1278.00	2640.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2670.00	0.000	0.000	-1248.00	2670.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2700.00	0.000	0.000	-1218.00	2700.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2730.00	0.000	0.000	-1188.00	2730.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2760.00	0.000	0.000	-1158.00	2760.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2790.00	0.000	0.000	-1128.00	2790.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2820.00	0.000	0.000	-1098.00	2820.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2850.00	0.000	0.000	-1068.00	2850.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2880.00	0.000	0.000	-1038.00	2880.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2910.00	0.000	0.000	-1008.00	2910.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2940.00	0.000	0.000	-978.00	2940.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
2970.00	0.000	0.000	-948.00	2970.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3000.00	0.000	0.000	-918.00	3000.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3030.00	0.000	0.000	-888.00	3030.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3060.00	0.000	0.000	-858.00	3060.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3090.00	0.000	0.000	-828.00	3090.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3120.00	0.000	0.000	-798.00	3120.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3150.00	0.000	0.000	-768.00	3150.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3180.00	0.000	0.000	-738.00	3180.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3210.00	0.000	0.000	-708.00	3210.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3240.00	0.000	0.000	-678.00	3240.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3270.00	0.000	0.000	-648.00	3270.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3300.00	0.000	0.000	-618.00	3300.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3330.00	0.000	0.000	-588.00	3330.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3360.00	0.000	0.000	-558.00	3360.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3390.00	0.000	0.000	-528.00	3390.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3420.00	0.000	0.000	-498.00	3420.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
3450.00	0.000	0.000	-468.00	3450.00	0.00 N	0.00 E	72			

5430.00	0.000	0.000	1512.00	5430.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5460.00	0.000	0.000	1542.00	5460.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5490.00	0.000	0.000	1572.00	5490.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5520.00	0.000	0.000	1602.00	5520.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5550.00	0.000	0.000	1632.00	5550.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5580.00	0.000	0.000	1662.00	5580.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5610.00	0.000	0.000	1692.00	5610.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5640.00	0.000	0.000	1722.00	5640.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5670.00	0.000	0.000	1752.00	5670.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5700.00	0.000	0.000	1782.00	5700.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5730.00	0.000	0.000	1812.00	5730.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5760.00	0.000	0.000	1842.00	5760.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5790.00	0.000	0.000	1872.00	5790.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5820.00	0.000	0.000	1902.00	5820.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5850.00	0.000	0.000	1932.00	5850.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5880.00	0.000	0.000	1962.00	5880.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5910.00	0.000	0.000	1992.00	5910.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5940.00	0.000	0.000	2022.00	5940.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
5970.00	0.000	0.000	2052.00	5970.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
6000.00	0.000	0.000	2082.00	6000.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
6030.00	0.000	0.000	2112.00	6030.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
6060.00	0.000	0.000	2142.00	6060.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
6090.00	0.000	0.000	2172.00	6090.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
6120.00	0.000	0.000	2202.00	6120.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
6150.00	0.000	0.000	2232.00	6150.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
6180.00	0.000	0.000	2262.00	6180.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
6210.00	0.000	0.000	2292.00	6210.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
6240.00	0.000	0.000	2322.00	6240.00	0.00	N	0.00	E	729526.420	N	855805.720	E	0.00	0.00
62														

8340.00	0.000	0.000	4422.00	8340.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8370.00	0.000	0.000	4452.00	8370.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8400.00	0.000	0.000	4482.00	8400.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8430.00	0.000	0.000	4512.00	8430.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8460.00	0.000	0.000	4542.00	8460.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8490.00	0.000	0.000	4572.00	8490.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8520.00	0.000	0.000	4602.00	8520.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8550.00	0.000	0.000	4632.00	8550.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8580.00	0.000	0.000	4662.00	8580.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8610.00	0.000	0.000	4692.00	8610.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8640.00	0.000	0.000	4722.00	8640.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8670.00	0.000	0.000	4752.00	8670.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8700.00	0.000	0.000	4782.00	8700.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8730.00	0.000	0.000	4812.00	8730.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8760.00	0.000	0.000	4842.00	8760.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8790.00	0.000	0.000	4872.00	8790.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8820.00	0.000	0.000	4902.00	8820.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8850.00	0.000	0.000	4932.00	8850.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8880.00	0.000	0.000	4962.00	8880.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8910.00	0.000	0.000	4992.00	8910.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8940.00	0.000	0.000	5022.00	8940.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
8970.00	0.000	0.000	5052.00	8970.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9000.00	0.000	0.000	5082.00	9000.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9030.00	0.000	0.000	5112.00	9030.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9060.00	0.000	0.000	5142.00	9060.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9090.00	0.000	0.000	5172.00	9090.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9120.00	0.000	0.000	5202.00	9120.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9150.00	0.000	0.000	5232.00	9150.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9180.00	0.000	0.000	5262.00	9180.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9210.00	0.000	0.000	5292.00	9210.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9240.00	0.000	0.000	5322.00	9240.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9270.00	0.000	0.000	5352.00	9270.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9300.00	0.000	0.000	5382.00	9300.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9330.00	0.000	0.000	5412.00	9330.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9360.00	0.000	0.000	5442.00	9360.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9390.00	0.000	0.000	5472.00	9390.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9420.00	0.000	0.000	5502.00	9420.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9450.00	0.000	0.000	5532.00	9450.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9480.00	0.000	0.000	5562.00	9480.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9510.00	0.000	0.000	5592.00	9510.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9540.00	0.000	0.000	5622.00	9540.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9570.00	0.000	0.000	5652.00	9570.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9600.00	0.000	0.000	5682.00	9600.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9630.00	0.000	0.000	5712.00	9630.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9660.00	0.000	0.000	5742.00	9660.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9690.00	0.000	0.000	5772.00	9690.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9720.00	0.000	0.000	5802.00	9720.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9750.00	0.000	0.000	5832.00	9750.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9780.00	0.000	0.000	5862.00	9780.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9810.00	0.000	0.000	5892.00	9810.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9840.00	0.000	0.000	5922.00	9840.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9870.00	0.000	0.000	5952.00	9870.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9900.00	0.000	0.000	5982.00	9900.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9930.00	0.000	0.000	6012.00	9930.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9960.00	0.000	0.000	6042.00	9960.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
9990.00	0.000	0.000	6072.00	9990.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10020.00	0.000	0.000	6102.00	10020.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10050.00	0.000	0.000	6132.00	10050.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10080.00	0.000	0.000	6162.00	10080.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10110.00	0.000	0.000	6192.00	10110.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10140.00	0.000	0.000	6222.00	10140.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10170.00	0.000	0.000	6252.00	10170.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10200.00	0.000	0.000	6282.00	10200.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10230.00	0.000	0.000	6312.00	10230.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10260.00	0.000	0.000	6342.00	10260.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10290.00	0.000	0.000	6372.00	10290.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10320.00	0.000	0.000	6402.00	10320.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10350.00	0.000	0.000	6432.00	10350.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10380.00	0.000	0.000	6462.00	10380.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10410.00	0.000	0.000	6492.00	10410.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10440.00	0.000	0.000	6522.00	10440.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10470.00	0.000	0.000	6552.00	10470.00	0.00 N	0.00 E	729526.420 N	855805.720 E	0.00	0.00
10500.00	7.739	0.169	6581.92	10499.92	1.74 N	0.01 E	729528.159 N	855805.725 E	1.74	25.80
10530.00	16.739	0.169	6611.21	10529.21	8.09 N	0.02 E	729534.512 N	855805.744 E	8.09	30.00
10560.00	25.739	0.169	6639.14	10557.14	18.95 N	0.06 E	729545.369 N	855805.776 E	18.95	30.00
10590.00	34.739	0.169	6665.03	10583.03	34.04 N	0.10 E	729560.461 N	855805.821 E	34.04	30.00
10620.00	43.739	0.169	6688.25	10606.25	53.00 N	0.16 E	729579.418 N	855805.877 E	53.00	30.00
10650.00	52.739	0.169	6708.21	10626.21	75.35 N	0.22 E	729601.772 N	855805.943 E	75.35	30.00
10680.00	61.739	0.169	6724.42	10642.42	100.55 N	0.30 E	729626.974 N	855806.017 E	100.55	30.00
10710.00	70.739	0.169	6736.50	10654.50	127.98 N	0.38 E	729654.403 N	855806.098 E	127.98	30.00
10740.00	79.739	0.169	6744.14	10662.14	156.96 N	0.46 E	729683.383 N	855806.184 E	156.96	30.00
10770.00	88.739	0.169	6747.14	10665.14	186.78 N	0.55 E	729713.200 N	855806.272 E	186.78	30.00
10800.00	92.690	0.169	6746.19	10664.19	216.76 N	0.64 E	729743.178 N	855806.361 E	216.76	13.17
10830.00	92.690	0.169	6744.78	10662.78	246.72 N	0.73 E	729773.145 N	855806.449 E	246.73	0.00
10860.00	92.690	0.169	6743.37	10661.37	276.69 N	0.82 E	729803.112 N	855806.538 E	276.69	0.00
10890.00	92.690	0.169	6741.97	10659.97	306.66 N	0.91 E	729833.079 N	855806.627 E	306.66	0.00
10920.00	92.690	0.169	6740.56	10658.56	336.63 N	1.00 E	729863.045 N	855806.715 E	336.63	0.00
10950.00	92.690	0.169	6739.15	10657.15	366.59 N	1.08 E	729893.012 N	855806.804 E	366.59	0.00
10980.00	92.690	0.169	6737.74	10655.74	396.56 N	1.17 E	729922.979 N	855806.892 E	396.56	0.00
11010.00	92.690	0.169	6736.33	10654.33	426.53 N	1.26 E	729952.946 N	855806.981 E	426.53	0.00
11040.00	92.690	0.169	6734.93	10652.93	456.49 N	1.35 E	729982.913 N	855807.070 E	456.49	0.00
11070.00	92.690	0.169	6733.52	10651.52	486.46 N	1.44 E	730012.879 N	855807.158 E	486.46	0.00
11100.00	92.690	0.169	6732.11	10650.11	516.43 N	1.53 E	730042.846			

11250.00	92.690	0.169	6725.07	10643.07	666.26 N	1.97 E	730192.680 N	855807.690 E	666.26	0.00
11280.00	92.690	0.169	6723.66	10641.66	696.23 N	2.06 E	730222.647 N	855807.778 E	696.23	0.00
11310.00	92.690	0.169	6722.26	10640.26	726.19 N	2.15 E	730252.614 N	855807.867 E	726.20	0.00
11340.00	92.690	0.169	6720.85	10638.85	756.16 N	2.24 E	730282.581 N	855807.956 E	756.16	0.00
11370.00	92.690	0.169	6719.44	10637.44	786.13 N	2.32 E	730312.548 N	855808.044 E	786.13	0.00
11400.00	92.690	0.169	6718.03	10636.03	816.09 N	2.41 E	730342.514 N	855808.133 E	816.10	0.00
11430.00	92.690	0.169	6716.62	10634.62	846.06 N	2.50 E	730372.481 N	855808.221 E	846.06	0.00
11460.00	92.690	0.169	6715.22	10633.22	876.03 N	2.59 E	730402.448 N	855808.310 E	876.03	0.00
11490.00	92.690	0.169	6713.81	10631.81	905.99 N	2.68 E	730432.415 N	855808.399 E	906.00	0.00
11520.00	92.690	0.169	6712.40	10630.40	935.96 N	2.77 E	730462.382 N	855808.487 E	935.97	0.00
11550.00	92.690	0.169	6710.99	10628.99	965.93 N	2.86 E	730492.348 N	855808.576 E	965.93	0.00
11580.00	92.690	0.169	6709.58	10627.58	995.90 N	2.94 E	730522.315 N	855808.664 E	995.90	0.00
11610.00	92.690	0.169	6708.18	10626.18	1025.86 N	3.03 E	730552.282 N	855808.753 E	1025.87	0.00
11640.00	92.690	0.169	6706.77	10624.77	1055.83 N	3.12 E	730582.249 N	855808.842 E	1055.83	0.00
11670.00	92.690	0.169	6705.36	10623.36	1085.80 N	3.21 E	730612.216 N	855808.930 E	1085.80	0.00
11700.00	92.690	0.169	6703.95	10621.95	1115.76 N	3.30 E	730642.182 N	855809.019 E	1115.77	0.00
11730.00	92.690	0.169	6702.54	10620.54	1145.73 N	3.39 E	730672.149 N	855809.107 E	1145.73	0.00
11760.00	92.690	0.169	6701.14	10619.14	1175.70 N	3.48 E	730702.116 N	855809.196 E	1175.70	0.00
11790.00	92.690	0.169	6699.73	10617.73	1205.66 N	3.56 E	730732.083 N	855809.284 E	1205.67	0.00
11820.00	92.690	0.169	6698.32	10616.32	1235.63 N	3.65 E	730762.050 N	855809.373 E	1235.64	0.00
11850.00	92.690	0.169	6696.91	10614.91	1265.60 N	3.74 E	730792.017 N	855809.462 E	1265.60	0.00
11880.00	92.690	0.169	6695.50	10613.50	1295.56 N	3.83 E	730821.983 N	855809.550 E	1295.57	0.00
11910.00	92.690	0.169	6694.10	10612.10	1325.53 N	3.92 E	730851.950 N	855809.639 E	1325.54	0.00
11940.00	92.690	0.169	6692.69	10610.69	1355.50 N	4.01 E	730881.917 N	855809.727 E	1355.50	0.00
11970.00	92.690	0.169	6691.28	10609.28	1385.46 N	4.10 E	730911.884 N	855809.816 E	1385.47	0.00
12000.00	92.690	0.169	6689.87	10607.87	1415.43 N	4.18 E	730941.851 N	855809.905 E	1415.44	0.00
12030.00	92.690	0.169	6688.46	10606.46	1445.40 N	4.27 E	730971.817 N	855809.993 E	1445.40	0.00
12060.00	92.690	0.169	6687.06	10605.06	1475.36 N	4.36 E	731001.784 N	855810.082 E	1475.37	0.00
12090.00	92.690	0.169	6685.65	10603.65	1505.33 N	4.45 E	731031.751 N	855810.170 E	1505.34	0.00
12120.00	92.690	0.169	6684.24	10602.24	1535.30 N	4.54 E	731061.718 N	855810.259 E	1535.30	0.00
12150.00	92.690	0.169	6682.83	10600.83	1565.26 N	4.63 E	731091.685 N	855810.348 E	1565.27	0.00
12167.73	92.690	0.169	6682.00	10600.00	1582.98 N	4.68 E	731109.400 N	855810.400 E	1582.99	0.00

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to 3,895' GL + 23' KB. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 0 169° (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.
Grid Convergence at Surface is 0.559°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 12167.73ft.,
the Bottom Hole Displacement is 1582.99ft., in the Direction of 0.169° (Grid).