

ConocoPhillips MCBU - Permian-Panhandle Gold Data

Planning - NM East State Zone - 3001

ZIA HILLS 19 104H

ZIA HILLS 19 104H

ZIA HILLS 19 104H

Plan: ZIA HILLS 19 104H_WP1

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NOV 27 2017
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Survey Report - Geographic

27 June, 2017

Planned Survey

Measured			Vertical			Map	Map		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
0.00	0.00	0.00	0.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
50.00	0.00	0.00	50.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
100.00	0.00	0.00	100.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
150.00	0.00	0.00	150.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
200.00	0.00	0.00	200.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
250.00	0.00	0.00	250.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
300.00	0.00	0.00	300.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
350.00	0.00	0.00	350.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
400.00	0.00	0.00	400.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
450.00	0.00	0.00	450.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
500.00	0.00	0.00	500.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
550.00	0.00	0.00	550.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
600.00	0.00	0.00	600.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
650.00	0.00	0.00	650.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
700.00	0.00	0.00	700.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
750.00	0.00	0.00	750.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
800.00	0.00	0.00	800.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
850.00	0.00	0.00	850.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
900.00	0.00	0.00	900.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
950.00	0.00	0.00	950.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,000.00	0.00	0.00	1,000.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,050.00	0.00	0.00	1,050.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,100.00	0.00	0.00	1,100.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,150.00	0.00	0.00	1,150.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,200.00	0.00	0.00	1,200.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,250.00	0.00	0.00	1,250.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,300.00	0.00	0.00	1,300.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,350.00	0.00	0.00	1,350.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,400.00	0.00	0.00	1,400.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,450.00	0.00	0.00	1,450.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,500.00	0.00	0.00	1,500.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,550.00	0.00	0.00	1,550.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,600.00	0.00	0.00	1,600.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,650.00	0.00	0.00	1,650.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,700.00	0.00	0.00	1,700.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,750.00	0.00	0.00	1,750.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,800.00	0.00	0.00	1,800.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,850.00	0.00	0.00	1,850.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,900.00	0.00	0.00	1,900.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
1,950.00	0.00	0.00	1,950.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,000.00	0.00	0.00	2,000.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,050.00	0.00	0.00	2,050.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,100.00	0.00	0.00	2,100.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,150.00	0.00	0.00	2,150.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,200.00	0.00	0.00	2,200.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,250.00	0.00	0.00	2,250.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,300.00	0.00	0.00	2,300.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,350.00	0.00	0.00	2,350.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,400.00	0.00	0.00	2,400.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,450.00	0.00	0.00	2,450.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,500.00	0.00	0.00	2,500.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,550.00	0.00	0.00	2,550.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,600.00	0.00	0.00	2,600.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,650.00	0.00	0.00	2,650.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,700.00	0.00	0.00	2,700.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,750.00	0.00	0.00	2,750.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,800.00	0.00	0.00	2,800.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,850.00	0.00	0.00	2,850.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,900.00	0.00	0.00	2,900.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
2,950.00	0.00	0.00	2,950.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W

Planned Survey

Measured	Vertical					Map	Map		
Depth (usft)	Inclination (°)	Azimuth (°)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
3,000.00	0.00	0.00	3,000.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,050.00	0.00	0.00	3,050.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,100.00	0.00	0.00	3,100.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,150.00	0.00	0.00	3,150.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,200.00	0.00	0.00	3,200.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,250.00	0.00	0.00	3,250.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,300.00	0.00	0.00	3,300.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,350.00	0.00	0.00	3,350.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,400.00	0.00	0.00	3,400.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,450.00	0.00	0.00	3,450.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,500.00	0.00	0.00	3,500.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,550.00	0.00	0.00	3,550.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,600.00	0.00	0.00	3,600.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,650.00	0.00	0.00	3,650.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,700.00	0.00	0.00	3,700.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,750.00	0.00	0.00	3,750.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,800.00	0.00	0.00	3,800.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,850.00	0.00	0.00	3,850.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,900.00	0.00	0.00	3,900.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
3,950.00	0.00	0.00	3,950.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,000.00	0.00	0.00	4,000.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,050.00	0.00	0.00	4,050.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,100.00	0.00	0.00	4,100.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,150.00	0.00	0.00	4,150.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,200.00	0.00	0.00	4,200.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,250.00	0.00	0.00	4,250.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,300.00	0.00	0.00	4,300.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,350.00	0.00	0.00	4,350.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,400.00	0.00	0.00	4,400.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,450.00	0.00	0.00	4,450.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,500.00	0.00	0.00	4,500.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,550.00	0.00	0.00	4,550.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,600.00	0.00	0.00	4,600.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,650.00	0.00	0.00	4,650.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,700.00	0.00	0.00	4,700.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,750.00	0.00	0.00	4,750.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,800.00	0.00	0.00	4,800.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,850.00	0.00	0.00	4,850.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,900.00	0.00	0.00	4,900.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
4,950.00	0.00	0.00	4,950.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,000.00	0.00	0.00	5,000.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,050.00	0.00	0.00	5,050.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,100.00	0.00	0.00	5,100.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,150.00	0.00	0.00	5,150.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,200.00	0.00	0.00	5,200.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,250.00	0.00	0.00	5,250.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,300.00	0.00	0.00	5,300.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,350.00	0.00	0.00	5,350.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,400.00	0.00	0.00	5,400.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,450.00	0.00	0.00	5,450.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,500.00	0.00	0.00	5,500.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,550.00	0.00	0.00	5,550.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,600.00	0.00	0.00	5,600.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,650.00	0.00	0.00	5,650.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,700.00	0.00	0.00	5,700.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,750.00	0.00	0.00	5,750.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,800.00	0.00	0.00	5,800.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,850.00	0.00	0.00	5,850.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,900.00	0.00	0.00	5,900.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
5,950.00	0.00	0.00	5,950.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
6,000.00	0.00	0.00	6,000.00	0.00	0.00	374,660.69	689,804.41	32° 1' 42.88 N	103° 43' 15.116 W
6,050.00	1.00	106.78	6,050.00	-0.13	0.42	374,660.56	689,804.82	32° 1' 42.88 N	103° 43' 15.111 W
6,100.00	2.00	106.78	6,099.98	-0.50	1.67	374,660.18	689,806.08	32° 1' 42.87 N	103° 43' 15.097 W
6,150.00	3.00	106.78	6,149.93	-1.13	3.76	374,659.56	689,808.16	32° 1' 42.87 N	103° 43' 15.073 W
6,200.00	4.00	106.78	6,199.84	-2.01	6.68	374,658.67	689,811.09	32° 1' 42.86 N	103° 43' 15.039 W
6,250.00	5.00	106.78	6,249.68	-3.15	10.44	374,657.54	689,814.84	32° 1' 42.85 N	103° 43' 14.995 W
6,279.49	5.59	106.78	6,279.05	-3.79	13.04	374,656.76	689,817.45	32° 1' 42.84 N	103° 43' 14.965 W

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,300.00	5.59	106.78	6,299.46	-4.51	14.96	374,656.18	689,819.36	32° 1' 42.83 N	103° 43' 14.943 W
6,350.00	5.59	106.78	6,349.22	-5.91	19.62	374,654.77	689,824.02	32° 1' 42.82 N	103° 43' 14.889 W
6,400.00	5.59	106.78	6,398.98	-7.32	24.28	374,653.37	689,828.69	32° 1' 42.81 N	103° 43' 14.835 W
6,450.00	5.59	106.78	6,448.75	-8.73	28.94	374,651.96	689,833.35	32° 1' 42.79 N	103° 43' 14.781 W
6,500.00	5.59	106.78	6,498.51	-10.13	33.61	374,650.56	689,838.01	32° 1' 42.78 N	103° 43' 14.727 W
6,550.00	5.59	106.78	6,548.27	-11.54	38.27	374,649.15	689,842.67	32° 1' 42.76 N	103° 43' 14.673 W
6,600.00	5.59	106.78	6,598.03	-12.94	42.93	374,647.75	689,847.34	32° 1' 42.75 N	103° 43' 14.618 W
6,650.00	5.59	106.78	6,647.80	-14.35	47.60	374,646.34	689,852.00	32° 1' 42.73 N	103° 43' 14.564 W
6,700.00	5.59	106.78	6,697.56	-15.75	52.26	374,644.94	689,856.66	32° 1' 42.72 N	103° 43' 14.510 W
6,750.00	5.59	106.78	6,747.32	-17.16	56.92	374,643.53	689,861.33	32° 1' 42.71 N	103° 43' 14.456 W
6,800.00	5.59	106.78	6,797.08	-18.57	61.59	374,642.12	689,865.99	32° 1' 42.69 N	103° 43' 14.402 W
6,850.00	5.59	106.78	6,846.84	-19.97	66.25	374,640.72	689,870.65	32° 1' 42.68 N	103° 43' 14.348 W
6,900.00	5.59	106.78	6,896.61	-21.38	70.91	374,639.31	689,875.31	32° 1' 42.66 N	103° 43' 14.294 W
6,950.00	5.59	106.78	6,946.37	-22.78	75.57	374,637.91	689,879.98	32° 1' 42.65 N	103° 43' 14.240 W
7,000.00	5.59	106.78	6,996.13	-24.19	80.24	374,636.50	689,884.64	32° 1' 42.64 N	103° 43' 14.186 W
7,050.00	5.59	106.78	7,045.89	-25.59	84.90	374,635.10	689,889.30	32° 1' 42.62 N	103° 43' 14.132 W
7,100.00	5.59	106.78	7,095.66	-27.00	89.56	374,633.69	689,893.96	32° 1' 42.61 N	103° 43' 14.078 W
7,150.00	5.59	106.78	7,145.42	-28.41	94.23	374,632.28	689,898.63	32° 1' 42.59 N	103° 43' 14.024 W
7,200.00	5.59	106.78	7,195.18	-29.81	98.89	374,630.88	689,903.29	32° 1' 42.58 N	103° 43' 13.970 W
7,250.00	5.59	106.78	7,244.94	-31.22	103.55	374,629.47	689,907.95	32° 1' 42.56 N	103° 43' 13.916 W
7,300.00	5.59	106.78	7,294.70	-32.62	108.22	374,628.07	689,912.62	32° 1' 42.55 N	103° 43' 13.862 W
7,350.00	5.59	106.78	7,344.47	-34.03	112.88	374,626.66	689,917.28	32° 1' 42.54 N	103° 43' 13.807 W
7,400.00	5.59	106.78	7,394.23	-35.43	117.54	374,625.26	689,921.94	32° 1' 42.52 N	103° 43' 13.753 W
7,450.00	5.59	106.78	7,443.99	-36.84	122.20	374,623.85	689,926.60	32° 1' 42.51 N	103° 43' 13.699 W
7,500.00	5.59	106.78	7,493.75	-38.24	126.87	374,622.45	689,931.27	32° 1' 42.49 N	103° 43' 13.645 W
7,550.00	5.59	106.78	7,543.52	-39.65	131.53	374,621.04	689,935.93	32° 1' 42.48 N	103° 43' 13.591 W
7,600.00	5.59	106.78	7,593.28	-41.06	136.19	374,619.63	689,940.59	32° 1' 42.47 N	103° 43' 13.537 W
7,650.00	5.59	106.78	7,643.04	-42.46	140.86	374,618.23	689,945.26	32° 1' 42.45 N	103° 43' 13.483 W
7,700.00	5.59	106.78	7,692.80	-43.87	145.52	374,616.82	689,949.92	32° 1' 42.44 N	103° 43' 13.429 W
7,750.00	5.59	106.78	7,742.56	-45.27	150.18	374,615.42	689,954.58	32° 1' 42.42 N	103° 43' 13.375 W
7,800.00	5.59	106.78	7,792.33	-46.68	154.85	374,614.01	689,959.24	32° 1' 42.41 N	103° 43' 13.321 W
7,850.00	5.59	106.78	7,842.09	-48.08	159.51	374,612.61	689,963.91	32° 1' 42.39 N	103° 43' 13.267 W
7,900.00	5.59	106.78	7,891.85	-49.49	164.17	374,611.20	689,968.57	32° 1' 42.38 N	103° 43' 13.213 W
7,950.00	5.59	106.78	7,941.61	-50.90	168.83	374,609.79	689,973.23	32° 1' 42.37 N	103° 43' 13.159 W
8,000.00	5.59	106.78	7,991.38	-52.30	173.50	374,608.39	689,977.89	32° 1' 42.35 N	103° 43' 13.105 W
8,050.00	5.59	106.78	8,041.14	-53.71	178.16	374,606.98	689,982.56	32° 1' 42.34 N	103° 43' 13.050 W
8,100.00	5.59	106.78	8,090.90	-55.11	182.82	374,605.58	689,987.22	32° 1' 42.32 N	103° 43' 12.996 W
8,150.00	5.59	106.78	8,140.66	-56.52	187.49	374,604.17	689,991.88	32° 1' 42.31 N	103° 43' 12.942 W
8,200.00	5.59	106.78	8,190.42	-57.92	192.15	374,602.77	689,996.55	32° 1' 42.30 N	103° 43' 12.888 W
8,250.00	5.59	106.78	8,240.19	-59.33	196.81	374,601.36	690,001.21	32° 1' 42.28 N	103° 43' 12.834 W
8,300.00	5.59	106.78	8,289.95	-60.74	201.48	374,599.96	690,005.87	32° 1' 42.27 N	103° 43' 12.780 W
8,350.00	5.59	106.78	8,339.71	-62.14	206.14	374,598.55	690,010.53	32° 1' 42.25 N	103° 43' 12.726 W
8,400.00	5.59	106.78	8,389.47	-63.55	210.80	374,597.14	690,015.20	32° 1' 42.24 N	103° 43' 12.672 W
8,450.00	5.59	106.78	8,439.24	-64.95	215.46	374,595.74	690,019.86	32° 1' 42.22 N	103° 43' 12.618 W
8,500.00	5.59	106.78	8,489.00	-66.36	220.13	374,594.33	690,024.52	32° 1' 42.21 N	103° 43' 12.564 W
8,550.00	5.59	106.78	8,538.76	-67.76	224.79	374,592.93	690,029.18	32° 1' 42.20 N	103° 43' 12.510 W
8,600.00	5.59	106.78	8,588.52	-69.17	229.45	374,591.52	690,033.85	32° 1' 42.18 N	103° 43' 12.456 W
8,650.00	5.59	106.78	8,638.28	-70.58	234.12	374,590.12	690,038.51	32° 1' 42.17 N	103° 43' 12.402 W
8,700.00	5.59	106.78	8,688.05	-71.98	238.78	374,588.71	690,043.17	32° 1' 42.15 N	103° 43' 12.348 W
8,750.00	5.59	106.78	8,737.81	-73.39	243.44	374,587.31	690,047.84	32° 1' 42.14 N	103° 43' 12.293 W
8,800.00	5.59	106.78	8,787.57	-74.79	248.11	374,585.90	690,052.50	32° 1' 42.13 N	103° 43' 12.239 W
8,850.00	5.59	106.78	8,837.33	-76.20	252.77	374,584.49	690,057.16	32° 1' 42.11 N	103° 43' 12.185 W
8,900.00	5.59	106.78	8,887.10	-77.60	257.43	374,583.09	690,061.82	32° 1' 42.10 N	103° 43' 12.131 W
8,950.00	5.59	106.78	8,936.86	-79.01	262.09	374,581.68	690,066.49	32° 1' 42.08 N	103° 43' 12.077 W
9,000.00	5.59	106.78	8,986.62	-80.42	266.76	374,580.28	690,071.15	32° 1' 42.07 N	103° 43' 12.023 W
9,050.00	5.59	106.78	9,036.38	-81.82	271.42	374,578.87	690,075.81	32° 1' 42.05 N	103° 43' 11.969 W
9,100.00	5.59	106.78	9,086.14	-83.23	276.08	374,577.47	690,080.48	32° 1' 42.04 N	103° 43' 11.915 W
9,150.00	5.59	106.78	9,135.91	-84.63	280.75	374,576.06	690,085.14	32° 1' 42.03 N	103° 43' 11.861 W
9,200.00	5.59	106.78	9,185.67	-86.04	285.41	374,574.65	690,089.80	32° 1' 42.01 N	103° 43' 11.807 W
9,250.00	5.59	106.78	9,235.43	-87.44	290.07	374,573.25	690,094.46	32° 1' 42.00 N	103° 43' 11.753 W
9,300.00	5.59	106.78	9,285.19	-88.85	294.74	374,571.84	690,099.13	32° 1' 41.98 N	103° 43' 11.699 W
9,350.00	5.59	106.78	9,334.96	-90.25	299.40	374,570.44	690,103.79	32° 1' 41.97 N	103° 43' 11.645 W
9,400.00	5.59	106.78	9,384.72	-91.66	304.06	374,569.03	690,108.45	32° 1' 41.96 N	103° 43' 11.591 W
9,450.00	5.59	106.78	9,434.48	-93.07	308.72	374,567.63	690,113.11	32° 1' 41.94 N	103° 43' 11.536 W
9,500.00	5.59	106.78	9,484.24	-94.47	313.39	374,566.22	690,117.78	32° 1' 41.93 N	103° 43' 11.482 W
9,550.00	5.59	106.78	9,534.01	-95.88	318.05	374,564.82	690,122.44	32° 1' 41.91 N	103° 43' 11.428 W
9,600.00	5.59	106.78	9,583.77	-97.28	322.71	374,563.41	690,127.10	32° 1' 41.90 N	103° 43' 11.374 W

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,650.00	5.59	106.78	9,633.53	-98.69	327.38	374,562.00	690,131.77	32° 1' 41.88 N	103° 43' 11.320 W
9,700.00	5.59	106.78	9,683.29	-100.09	332.04	374,560.60	690,136.43	32° 1' 41.87 N	103° 43' 11.266 W
9,750.00	5.59	106.78	9,733.05	-101.50	336.70	374,559.19	690,141.09	32° 1' 41.86 N	103° 43' 11.212 W
9,800.00	5.59	106.78	9,782.82	-102.91	341.37	374,557.79	690,145.75	32° 1' 41.84 N	103° 43' 11.158 W
9,850.00	5.59	106.78	9,832.58	-104.31	346.03	374,556.38	690,150.42	32° 1' 41.83 N	103° 43' 11.104 W
9,900.00	5.59	106.78	9,882.34	-105.72	350.69	374,554.98	690,155.08	32° 1' 41.81 N	103° 43' 11.050 W
9,950.00	5.59	106.78	9,932.10	-107.12	355.35	374,553.57	690,159.74	32° 1' 41.80 N	103° 43' 10.996 W
10,000.00	5.59	106.78	9,981.87	-108.53	360.02	374,552.16	690,164.41	32° 1' 41.79 N	103° 43' 10.942 W
10,050.00	5.59	106.78	10,031.63	-109.93	364.68	374,550.76	690,169.07	32° 1' 41.77 N	103° 43' 10.888 W
10,100.00	5.59	106.78	10,081.39	-111.34	369.34	374,549.35	690,173.73	32° 1' 41.76 N	103° 43' 10.834 W
10,150.00	5.59	106.78	10,131.15	-112.75	374.01	374,547.95	690,178.39	32° 1' 41.74 N	103° 43' 10.780 W
10,200.00	5.59	106.78	10,180.91	-114.15	378.67	374,546.54	690,183.06	32° 1' 41.73 N	103° 43' 10.725 W
10,250.00	5.59	106.78	10,230.68	-115.56	383.33	374,545.14	690,187.72	32° 1' 41.71 N	103° 43' 10.671 W
10,300.00	5.59	106.78	10,280.44	-116.96	388.00	374,543.73	690,192.38	32° 1' 41.70 N	103° 43' 10.617 W
10,350.00	5.59	106.78	10,330.20	-118.37	392.66	374,542.33	690,197.04	32° 1' 41.69 N	103° 43' 10.563 W
10,400.00	5.59	106.78	10,379.96	-119.77	397.32	374,540.92	690,201.71	32° 1' 41.67 N	103° 43' 10.509 W
10,450.00	5.59	106.78	10,429.73	-121.18	401.98	374,539.51	690,206.37	32° 1' 41.66 N	103° 43' 10.455 W
10,500.00	5.59	106.78	10,479.49	-122.59	406.65	374,538.11	690,211.03	32° 1' 41.64 N	103° 43' 10.401 W
10,550.00	5.59	106.78	10,529.25	-123.99	411.31	374,536.70	690,215.70	32° 1' 41.63 N	103° 43' 10.347 W
10,600.00	5.59	106.78	10,579.01	-125.40	415.97	374,535.30	690,220.36	32° 1' 41.61 N	103° 43' 10.293 W
10,650.00	5.59	106.78	10,628.77	-126.80	420.64	374,533.89	690,225.02	32° 1' 41.60 N	103° 43' 10.239 W
10,700.00	5.59	106.78	10,678.54	-128.21	425.30	374,532.49	690,229.68	32° 1' 41.59 N	103° 43' 10.185 W
10,750.00	5.59	106.78	10,728.30	-129.61	429.96	374,531.08	690,234.35	32° 1' 41.57 N	103° 43' 10.131 W
10,800.00	5.59	106.78	10,778.06	-131.02	434.63	374,529.68	690,239.01	32° 1' 41.56 N	103° 43' 10.077 W
10,850.00	5.59	106.78	10,827.82	-132.43	439.29	374,528.27	690,243.67	32° 1' 41.54 N	103° 43' 10.023 W
10,900.00	5.59	106.78	10,877.59	-133.83	443.95	374,526.86	690,248.34	32° 1' 41.53 N	103° 43' 9.968 W
10,950.00	5.59	106.78	10,927.35	-135.24	448.61	374,525.46	690,253.00	32° 1' 41.52 N	103° 43' 9.914 W
10,955.63	5.59	106.78	10,932.95	-135.40	449.14	374,525.30	690,253.52	32° 1' 41.51 N	103° 43' 9.908 W
11,000.00	4.70	106.78	10,977.14	-136.54	452.95	374,524.15	690,257.33	32° 1' 41.50 N	103° 43' 9.864 W
11,050.00	3.70	106.78	11,027.01	-137.60	456.46	374,523.09	690,260.84	32° 1' 41.49 N	103° 43' 9.823 W
11,100.00	2.70	106.78	11,076.93	-138.41	459.13	374,522.29	690,263.52	32° 1' 41.48 N	103° 43' 9.792 W
11,150.00	1.70	106.78	11,126.89	-138.96	460.97	374,521.73	690,265.35	32° 1' 41.48 N	103° 43' 9.771 W
11,200.00	0.70	106.78	11,176.88	-139.26	461.98	374,521.43	690,266.36	32° 1' 41.48 N	103° 43' 9.759 W
11,235.12	0.00	0.01	11,212.00	-139.33	462.18	374,521.37	690,266.57	32° 1' 41.47 N	103° 43' 9.757 W
11,250.00	0.00	0.00	11,226.88	-139.33	462.18	374,521.37	690,266.57	32° 1' 41.47 N	103° 43' 9.757 W
11,300.00	0.00	0.00	11,276.88	-139.33	462.18	374,521.37	690,266.57	32° 1' 41.47 N	103° 43' 9.757 W
11,318.93	0.00	0.00	11,295.80	-139.33	462.18	374,521.37	690,266.57	32° 1' 41.47 N	103° 43' 9.757 W
11,350.00	2.49	359.63	11,326.87	-138.65	462.18	374,522.04	690,266.56	32° 1' 41.48 N	103° 43' 9.757 W
11,400.00	6.49	359.63	11,376.70	-134.74	462.15	374,525.95	690,266.54	32° 1' 41.52 N	103° 43' 9.757 W
11,450.00	10.49	359.63	11,426.15	-127.37	462.11	374,533.33	690,266.49	32° 1' 41.59 N	103° 43' 9.757 W
11,500.00	14.49	359.63	11,474.95	-116.56	462.04	374,544.14	690,266.42	32° 1' 41.70 N	103° 43' 9.757 W
11,550.00	18.49	359.63	11,522.89	-102.37	461.95	374,558.32	690,266.33	32° 1' 41.84 N	103° 43' 9.757 W
11,600.00	22.49	359.63	11,569.72	-84.88	461.84	374,575.81	690,266.22	32° 1' 42.01 N	103° 43' 9.757 W
11,650.00	26.49	359.63	11,615.21	-64.16	461.70	374,596.53	690,266.09	32° 1' 42.22 N	103° 43' 9.758 W
11,700.00	30.49	359.63	11,659.15	-40.32	461.55	374,620.37	690,265.93	32° 1' 42.45 N	103° 43' 9.758 W
11,750.00	34.49	359.63	11,701.32	-13.47	461.38	374,647.22	690,265.76	32° 1' 42.72 N	103° 43' 9.758 W
11,800.00	38.49	359.63	11,741.51	16.26	461.19	374,676.94	690,265.57	32° 1' 43.01 N	103° 43' 9.758 W
11,850.00	42.49	359.63	11,779.53	48.71	460.98	374,709.40	690,265.37	32° 1' 43.34 N	103° 43' 9.759 W
11,900.00	46.49	359.63	11,815.19	83.74	460.76	374,744.43	690,265.14	32° 1' 43.68 N	103° 43' 9.759 W
11,950.00	50.49	359.63	11,848.33	121.17	460.52	374,781.85	690,264.91	32° 1' 44.05 N	103° 43' 9.759 W
12,000.00	54.49	359.63	11,878.77	160.82	460.27	374,821.50	690,264.65	32° 1' 44.44 N	103° 43' 9.759 W
12,050.00	58.49	359.63	11,906.37	202.50	460.00	374,863.18	690,264.39	32° 1' 44.86 N	103° 43' 9.760 W
12,100.00	62.49	359.63	11,931.00	246.00	459.73	374,906.68	690,264.11	32° 1' 45.29 N	103° 43' 9.760 W
12,150.00	66.49	359.63	11,952.53	291.12	459.44	374,951.79	690,263.82	32° 1' 45.73 N	103° 43' 9.761 W
12,200.00	70.49	359.63	11,970.86	337.62	459.14	374,998.30	690,263.53	32° 1' 46.19 N	103° 43' 9.761 W
12,250.00	74.49	359.63	11,985.91	385.30	458.84	375,045.96	690,263.22	32° 1' 46.67 N	103° 43' 9.761 W
12,300.00	78.49	359.63	11,997.59	433.90	458.53	375,094.57	690,262.91	32° 1' 47.15 N	103° 43' 9.762 W
12,350.00	82.49	359.63	12,005.85	483.20	458.22	375,143.87	690,262.60	32° 1' 47.64 N	103° 43' 9.762 W
12,400.00	86.49	359.63	12,010.65	532.96	457.90	375,193.62	690,262.28	32° 1' 48.13 N	103° 43' 9.762 W
12,443.93	90.00	359.63	12,012.00	576.86	457.62	375,237.52	690,262.00	32° 1' 48.56 N	103° 43' 9.763 W
12,450.00	90.00	359.63	12,012.00	582.93	457.58	375,243.59	690,261.96	32° 1' 48.62 N	103° 43' 9.763 W
12,500.00	90.00	359.63	12,012.00	632.93	457.26	375,293.59	690,261.65	32° 1' 49.12 N	103° 43' 9.763 W
12,550.00	90.00	359.63	12,012.00	682.93	456.94	375,343.58	690,261.33	32° 1' 49.61 N	103° 43' 9.764 W
12,600.00	90.00	359.63	12,012.00	732.93	456.63	375,393.58	690,261.01	32° 1' 50.11 N	103° 43' 9.764 W
12,650.00	90.00	359.63	12,012.00	782.93	456.31	375,443.58	690,260.69	32° 1' 50.60 N	103° 43' 9.764 W
12,700.00	90.00	359.63	12,012.00	832.93	455.99	375,493.57	690,260.37	32° 1' 51.10 N	103° 43' 9.765 W
12,750.00	90.00	359.63	12,012.00	882.92	455.67	375,543.57	690,260.05	32° 1' 51.59 N	103° 43' 9.765 W

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
12,800.00	90.00	359.63	12,012.00	932.92	455.35	375,593.57	690,259.73	32° 1' 52.09 N	103° 43' 9.766 W
12,850.00	90.00	359.63	12,012.00	982.92	455.03	375,643.56	690,259.42	32° 1' 52.58 N	103° 43' 9.766 W
12,900.00	90.00	359.63	12,012.00	1,032.92	454.71	375,693.56	690,259.10	32° 1' 53.08 N	103° 43' 9.766 W
12,950.00	90.00	359.63	12,012.00	1,082.92	454.40	375,743.56	690,258.78	32° 1' 53.57 N	103° 43' 9.767 W
13,000.00	90.00	359.63	12,012.00	1,132.92	454.08	375,793.55	690,258.46	32° 1' 54.06 N	103° 43' 9.767 W
13,050.00	90.00	359.63	12,012.00	1,182.92	453.76	375,843.55	690,258.14	32° 1' 54.56 N	103° 43' 9.768 W
13,100.00	90.00	359.63	12,012.00	1,232.92	453.44	375,893.54	690,257.82	32° 1' 55.05 N	103° 43' 9.768 W
13,150.00	90.00	359.63	12,012.00	1,282.92	453.12	375,943.54	690,257.50	32° 1' 55.55 N	103° 43' 9.768 W
13,200.00	90.00	359.63	12,012.00	1,332.92	452.80	375,993.54	690,257.19	32° 1' 56.04 N	103° 43' 9.769 W
13,250.00	90.00	359.63	12,012.00	1,382.91	452.48	376,043.53	690,256.87	32° 1' 56.54 N	103° 43' 9.769 W
13,300.00	90.00	359.63	12,012.00	1,432.91	452.17	376,093.53	690,256.55	32° 1' 57.03 N	103° 43' 9.770 W
13,350.00	90.00	359.63	12,012.00	1,482.91	451.85	376,143.53	690,256.23	32° 1' 57.53 N	103° 43' 9.770 W
13,400.00	90.00	359.63	12,012.00	1,532.91	451.53	376,193.52	690,255.91	32° 1' 58.02 N	103° 43' 9.770 W
13,450.00	90.00	359.63	12,012.00	1,582.91	451.21	376,243.52	690,255.59	32° 1' 58.52 N	103° 43' 9.771 W
13,500.00	90.00	359.63	12,012.00	1,632.91	450.89	376,293.52	690,255.27	32° 1' 59.01 N	103° 43' 9.771 W
13,550.00	90.00	359.63	12,012.00	1,682.91	450.57	376,343.51	690,254.96	32° 1' 59.51 N	103° 43' 9.772 W
13,600.00	90.00	359.63	12,012.00	1,732.91	450.25	376,393.51	690,254.64	32° 2' 0.00 N	103° 43' 9.772 W
13,650.00	90.00	359.63	12,012.00	1,782.91	449.94	376,443.51	690,254.32	32° 2' 0.50 N	103° 43' 9.772 W
13,700.00	90.00	359.63	12,012.00	1,832.91	449.62	376,493.50	690,254.00	32° 2' 0.99 N	103° 43' 9.773 W
13,750.00	90.00	359.63	12,012.00	1,882.90	449.30	376,543.50	690,253.68	32° 2' 1.49 N	103° 43' 9.773 W
13,800.00	90.00	359.63	12,012.00	1,932.90	448.98	376,593.50	690,253.36	32° 2' 1.98 N	103° 43' 9.774 W
13,850.00	90.00	359.63	12,012.00	1,982.90	448.66	376,643.49	690,253.04	32° 2' 2.48 N	103° 43' 9.774 W
13,900.00	90.00	359.63	12,012.00	2,032.90	448.34	376,693.49	690,252.73	32° 2' 2.97 N	103° 43' 9.774 W
13,950.00	90.00	359.63	12,012.00	2,082.90	448.02	376,743.49	690,252.41	32° 2' 3.47 N	103° 43' 9.775 W
14,000.00	90.00	359.63	12,012.00	2,132.90	447.71	376,793.48	690,252.09	32° 2' 3.96 N	103° 43' 9.775 W
14,050.00	90.00	359.63	12,012.00	2,182.90	447.39	376,843.48	690,251.77	32° 2' 4.46 N	103° 43' 9.776 W
14,100.00	90.00	359.63	12,012.00	2,232.90	447.07	376,893.47	690,251.45	32° 2' 4.95 N	103° 43' 9.776 W
14,150.00	90.00	359.63	12,012.00	2,282.90	446.75	376,943.47	690,251.13	32° 2' 5.44 N	103° 43' 9.776 W
14,200.00	90.00	359.63	12,012.00	2,332.90	446.43	376,993.47	690,250.81	32° 2' 5.94 N	103° 43' 9.777 W
14,250.00	90.00	359.63	12,012.00	2,382.89	446.11	377,043.46	690,250.50	32° 2' 6.43 N	103° 43' 9.777 W
14,300.00	90.00	359.63	12,012.00	2,432.89	445.79	377,093.46	690,250.18	32° 2' 6.93 N	103° 43' 9.778 W
14,350.00	90.00	359.63	12,012.00	2,482.89	445.48	377,143.46	690,249.86	32° 2' 7.42 N	103° 43' 9.778 W
14,400.00	90.00	359.63	12,012.00	2,532.89	445.16	377,193.45	690,249.54	32° 2' 7.92 N	103° 43' 9.778 W
14,450.00	90.00	359.63	12,012.00	2,582.89	444.84	377,243.45	690,249.22	32° 2' 8.41 N	103° 43' 9.779 W
14,500.00	90.00	359.63	12,012.00	2,632.89	444.52	377,293.45	690,248.90	32° 2' 8.91 N	103° 43' 9.779 W
14,550.00	90.00	359.63	12,012.00	2,682.89	444.20	377,343.44	690,248.58	32° 2' 9.40 N	103° 43' 9.780 W
14,600.00	90.00	359.63	12,012.00	2,732.89	443.88	377,393.44	690,248.27	32° 2' 9.90 N	103° 43' 9.780 W
14,650.00	90.00	359.63	12,012.00	2,782.89	443.56	377,443.44	690,247.95	32° 2' 10.39 N	103° 43' 9.780 W
14,700.00	90.00	359.63	12,012.00	2,832.88	443.25	377,493.43	690,247.63	32° 2' 10.89 N	103° 43' 9.781 W
14,750.00	90.00	359.63	12,012.00	2,882.88	442.93	377,543.43	690,247.31	32° 2' 11.38 N	103° 43' 9.781 W
14,800.00	90.00	359.63	12,012.00	2,932.88	442.61	377,593.43	690,246.99	32° 2' 11.88 N	103° 43' 9.782 W
14,850.00	90.00	359.63	12,012.00	2,982.88	442.29	377,643.42	690,246.67	32° 2' 12.37 N	103° 43' 9.782 W
14,900.00	90.00	359.63	12,012.00	3,032.88	441.97	377,693.42	690,246.35	32° 2' 12.87 N	103° 43' 9.782 W
14,950.00	90.00	359.63	12,012.00	3,082.88	441.65	377,743.42	690,246.04	32° 2' 13.36 N	103° 43' 9.783 W
15,000.00	90.00	359.63	12,012.00	3,132.88	441.33	377,793.41	690,245.72	32° 2' 13.86 N	103° 43' 9.783 W
15,050.00	90.00	359.63	12,012.00	3,182.88	441.02	377,843.41	690,245.40	32° 2' 14.35 N	103° 43' 9.784 W
15,100.00	90.00	359.63	12,012.00	3,232.88	440.70	377,893.40	690,245.08	32° 2' 14.85 N	103° 43' 9.784 W
15,150.00	90.00	359.63	12,012.00	3,282.88	440.38	377,943.40	690,244.76	32° 2' 15.34 N	103° 43' 9.784 W
15,200.00	90.00	359.63	12,012.00	3,332.87	440.06	377,993.40	690,244.44	32° 2' 15.84 N	103° 43' 9.785 W
15,250.00	90.00	359.63	12,012.00	3,382.87	439.74	378,043.39	690,244.12	32° 2' 16.33 N	103° 43' 9.785 W
15,300.00	90.00	359.63	12,012.00	3,432.87	439.42	378,093.39	690,243.81	32° 2' 16.82 N	103° 43' 9.786 W
15,350.00	90.00	359.63	12,012.00	3,482.87	439.10	378,143.39	690,243.49	32° 2' 17.32 N	103° 43' 9.786 W
15,400.00	90.00	359.63	12,012.00	3,532.87	438.79	378,193.38	690,243.17	32° 2' 17.81 N	103° 43' 9.786 W
15,450.00	90.00	359.63	12,012.00	3,582.87	438.47	378,243.38	690,242.85	32° 2' 18.31 N	103° 43' 9.787 W
15,500.00	90.00	359.63	12,012.00	3,632.87	438.15	378,293.38	690,242.53	32° 2' 18.80 N	103° 43' 9.787 W
15,550.00	90.00	359.63	12,012.00	3,682.87	437.83	378,343.37	690,242.21	32° 2' 19.30 N	103° 43' 9.788 W
15,600.00	90.00	359.63	12,012.00	3,732.87	437.51	378,393.37	690,241.89	32° 2' 19.79 N	103° 43' 9.788 W
15,650.00	90.00	359.63	12,012.00	3,782.87	437.19	378,443.37	690,241.58	32° 2' 20.29 N	103° 43' 9.788 W
15,700.00	90.00	359.63	12,012.00	3,832.86	436.87	378,493.36	690,241.26	32° 2' 20.78 N	103° 43' 9.789 W
15,750.00	90.00	359.63	12,012.00	3,882.86	436.56	378,543.36	690,240.94	32° 2' 21.28 N	103° 43' 9.789 W
15,800.00	90.00	359.63	12,012.00	3,932.86	436.24	378,593.36	690,240.62	32° 2' 21.77 N	103° 43' 9.790 W
15,850.00	90.00	359.63	12,012.00	3,982.86	435.92	378,643.35	690,240.30	32° 2' 22.27 N	103° 43' 9.790 W
15,900.00	90.00	359.63	12,012.00	4,032.86	435.60	378,693.35	690,239.98	32° 2' 22.76 N	103° 43' 9.790 W
15,950.00	90.00	359.63	12,012.00	4,082.86	435.28	378,743.35	690,239.66	32° 2' 23.26 N	103° 43' 9.791 W
16,000.00	90.00	359.63	12,012.00	4,132.86	434.96	378,793.34	690,239.35	32° 2' 23.75 N	103° 43' 9.791 W
16,050.00	90.00	359.63	12,012.00	4,182.86	434.64	378,843.34	690,239.03	32° 2' 24.25 N	103° 43' 9.792 W
16,100.00	90.00	359.63	12,012.00	4,232.86	434.33	378,893.33	690,238.71	32° 2' 24.74 N	103° 43' 9.792 W

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,150.00	90.00	359.63	12,012.00	4,282.86	434.01	378,943.33	690,238.39	32° 2' 25.24 N	103° 43' 9.792 W
16,200.00	90.00	359.63	12,012.00	4,332.85	433.69	378,993.33	690,238.07	32° 2' 25.73 N	103° 43' 9.793 W
16,250.00	90.00	359.63	12,012.00	4,382.85	433.37	379,043.32	690,237.75	32° 2' 26.23 N	103° 43' 9.793 W
16,300.00	90.00	359.63	12,012.00	4,432.85	433.05	379,093.32	690,237.43	32° 2' 26.72 N	103° 43' 9.794 W
16,350.00	90.00	359.63	12,012.00	4,482.85	432.73	379,143.32	690,237.12	32° 2' 27.22 N	103° 43' 9.794 W
16,400.00	90.00	359.63	12,012.00	4,532.85	432.41	379,193.31	690,236.80	32° 2' 27.71 N	103° 43' 9.794 W
16,450.00	90.00	359.63	12,012.00	4,582.85	432.10	379,243.31	690,236.48	32° 2' 28.21 N	103° 43' 9.795 W
16,500.00	90.00	359.63	12,012.00	4,632.85	431.78	379,293.31	690,236.16	32° 2' 28.70 N	103° 43' 9.795 W
16,550.00	90.00	359.63	12,012.00	4,682.85	431.46	379,343.30	690,235.84	32° 2' 29.19 N	103° 43' 9.796 W
16,600.00	90.00	359.63	12,012.00	4,732.85	431.14	379,393.30	690,235.52	32° 2' 29.69 N	103° 43' 9.796 W
16,650.00	90.00	359.63	12,012.00	4,782.85	430.82	379,443.30	690,235.20	32° 2' 30.18 N	103° 43' 9.796 W
16,700.00	90.00	359.63	12,012.00	4,832.84	430.50	379,493.29	690,234.89	32° 2' 30.68 N	103° 43' 9.797 W
16,750.00	90.00	359.63	12,012.00	4,882.84	430.18	379,543.29	690,234.57	32° 2' 31.17 N	103° 43' 9.797 W
16,800.00	90.00	359.63	12,012.00	4,932.84	429.87	379,593.29	690,234.25	32° 2' 31.67 N	103° 43' 9.798 W
16,850.00	90.00	359.63	12,012.00	4,982.84	429.55	379,643.28	690,233.93	32° 2' 32.16 N	103° 43' 9.798 W
16,900.00	90.00	359.63	12,012.00	5,032.84	429.23	379,693.28	690,233.61	32° 2' 32.66 N	103° 43' 9.798 W
16,950.00	90.00	359.63	12,012.00	5,082.84	428.91	379,743.28	690,233.29	32° 2' 33.15 N	103° 43' 9.799 W
17,000.00	90.00	359.63	12,012.00	5,132.84	428.59	379,793.27	690,232.97	32° 2' 33.65 N	103° 43' 9.799 W
17,050.00	90.00	359.63	12,012.00	5,182.84	428.27	379,843.27	690,232.66	32° 2' 34.14 N	103° 43' 9.800 W
17,100.00	90.00	359.63	12,012.00	5,232.84	427.95	379,893.26	690,232.34	32° 2' 34.64 N	103° 43' 9.800 W
17,150.00	90.00	359.63	12,012.00	5,282.84	427.64	379,943.26	690,232.02	32° 2' 35.13 N	103° 43' 9.800 W
17,200.00	90.00	359.63	12,012.00	5,332.83	427.32	379,993.26	690,231.70	32° 2' 35.63 N	103° 43' 9.801 W
17,250.00	90.00	359.63	12,012.00	5,382.83	427.00	380,043.25	690,231.38	32° 2' 36.12 N	103° 43' 9.801 W
17,300.00	90.00	359.63	12,012.00	5,432.83	426.68	380,093.25	690,231.06	32° 2' 36.62 N	103° 43' 9.802 W
17,350.00	90.00	359.63	12,012.00	5,482.83	426.36	380,143.25	690,230.75	32° 2' 37.11 N	103° 43' 9.802 W
17,400.00	90.00	359.63	12,012.00	5,532.83	426.04	380,193.24	690,230.43	32° 2' 37.61 N	103° 43' 9.802 W
17,450.00	90.00	359.63	12,012.00	5,582.83	425.72	380,243.24	690,230.11	32° 2' 38.10 N	103° 43' 9.803 W
17,500.00	90.00	359.63	12,012.00	5,632.83	425.41	380,293.24	690,229.79	32° 2' 38.60 N	103° 43' 9.803 W
17,550.00	90.00	359.63	12,012.00	5,682.83	425.09	380,343.23	690,229.47	32° 2' 39.09 N	103° 43' 9.804 W
17,600.00	90.00	359.63	12,012.00	5,732.83	424.77	380,393.23	690,229.15	32° 2' 39.59 N	103° 43' 9.804 W
17,650.00	90.00	359.63	12,012.00	5,782.83	424.45	380,443.23	690,228.83	32° 2' 40.08 N	103° 43' 9.804 W
17,700.00	90.00	359.63	12,012.00	5,832.82	424.13	380,493.22	690,228.52	32° 2' 40.57 N	103° 43' 9.805 W
17,750.00	90.00	359.63	12,012.00	5,882.82	423.81	380,543.22	690,228.20	32° 2' 41.07 N	103° 43' 9.805 W
17,800.00	90.00	359.63	12,012.00	5,932.82	423.49	380,593.22	690,227.88	32° 2' 41.56 N	103° 43' 9.806 W
17,850.00	90.00	359.63	12,012.00	5,982.82	423.18	380,643.21	690,227.56	32° 2' 42.06 N	103° 43' 9.806 W
17,900.00	90.00	359.63	12,012.00	6,032.82	422.86	380,693.21	690,227.24	32° 2' 42.55 N	103° 43' 9.806 W
17,950.00	90.00	359.63	12,012.00	6,082.82	422.54	380,743.21	690,226.92	32° 2' 43.05 N	103° 43' 9.807 W
18,000.00	90.00	359.63	12,012.00	6,132.82	422.22	380,793.20	690,226.60	32° 2' 43.54 N	103° 43' 9.807 W
18,050.00	90.00	359.63	12,012.00	6,182.82	421.90	380,843.20	690,226.29	32° 2' 44.04 N	103° 43' 9.808 W
18,100.00	90.00	359.63	12,012.00	6,232.82	421.58	380,893.19	690,225.97	32° 2' 44.53 N	103° 43' 9.808 W
18,150.00	90.00	359.63	12,012.00	6,282.82	421.26	380,943.19	690,225.65	32° 2' 45.03 N	103° 43' 9.808 W
18,200.00	90.00	359.63	12,012.00	6,332.81	420.95	380,993.19	690,225.33	32° 2' 45.52 N	103° 43' 9.809 W
18,250.00	90.00	359.63	12,012.00	6,382.81	420.63	381,043.18	690,225.01	32° 2' 46.02 N	103° 43' 9.809 W
18,300.00	90.00	359.63	12,012.00	6,432.81	420.31	381,093.18	690,224.69	32° 2' 46.51 N	103° 43' 9.810 W
18,350.00	90.00	359.63	12,012.00	6,482.81	419.99	381,143.18	690,224.37	32° 2' 47.01 N	103° 43' 9.810 W
18,400.00	90.00	359.63	12,012.00	6,532.81	419.67	381,193.17	690,224.06	32° 2' 47.50 N	103° 43' 9.810 W
18,450.00	90.00	359.63	12,012.00	6,582.81	419.35	381,243.17	690,223.74	32° 2' 48.00 N	103° 43' 9.811 W
18,500.00	90.00	359.63	12,012.00	6,632.81	419.03	381,293.17	690,223.42	32° 2' 48.49 N	103° 43' 9.811 W
18,550.00	90.00	359.63	12,012.00	6,682.81	418.72	381,343.16	690,223.10	32° 2' 48.99 N	103° 43' 9.812 W
18,600.00	90.00	359.63	12,012.00	6,732.81	418.40	381,393.16	690,222.78	32° 2' 49.48 N	103° 43' 9.812 W
18,650.00	90.00	359.63	12,012.00	6,782.80	418.08	381,443.16	690,222.46	32° 2' 49.98 N	103° 43' 9.812 W
18,700.00	90.00	359.63	12,012.00	6,832.80	417.76	381,493.15	690,222.14	32° 2' 50.47 N	103° 43' 9.813 W
18,750.00	90.00	359.63	12,012.00	6,882.80	417.44	381,543.15	690,221.83	32° 2' 50.97 N	103° 43' 9.813 W
18,800.00	90.00	359.63	12,012.00	6,932.80	417.12	381,593.15	690,221.51	32° 2' 51.46 N	103° 43' 9.814 W
18,850.00	90.00	359.63	12,012.00	6,982.80	416.80	381,643.14	690,221.19	32° 2' 51.95 N	103° 43' 9.814 W
18,900.00	90.00	359.63	12,012.00	7,032.80	416.49	381,693.14	690,220.87	32° 2' 52.45 N	103° 43' 9.814 W
18,950.00	90.00	359.63	12,012.00	7,082.80	416.17	381,743.14	690,220.55	32° 2' 52.94 N	103° 43' 9.815 W
19,000.00	90.00	359.63	12,012.00	7,132.80	415.85	381,793.13	690,220.23	32° 2' 53.44 N	103° 43' 9.815 W
19,050.00	90.00	359.63	12,012.00	7,182.80	415.53	381,843.13	690,219.91	32° 2' 53.93 N	103° 43' 9.815 W
19,100.00	90.00	359.63	12,012.00	7,232.80	415.21	381,893.13	690,219.60	32° 2' 54.43 N	103° 43' 9.816 W
19,150.00	90.00	359.63	12,012.00	7,282.79	414.89	381,943.12	690,219.28	32° 2' 54.92 N	103° 43' 9.816 W
19,200.00	90.00	359.63	12,012.00	7,332.79	414.57	381,993.12	690,218.96	32° 2' 55.42 N	103° 43' 9.817 W
19,250.00	90.00	359.63	12,012.00	7,382.79	414.26	382,043.11	690,218.64	32° 2' 55.91 N	103° 43' 9.817 W
19,300.00	90.00	359.63	12,012.00	7,432.79	413.94	382,093.11	690,218.32	32° 2' 56.41 N	103° 43' 9.817 W
19,350.00	90.00	359.63	12,012.00	7,482.79	413.62	382,143.11	690,218.00	32° 2' 56.90 N	103° 43' 9.818 W
19,400.00	90.00	359.63	12,012.00	7,532.79	413.30	382,193.10	690,217.68	32° 2' 57.40 N	103° 43' 9.818 W
19,450.00	90.00	359.63	12,012.00	7,582.79	412.98	382,243.10	690,217.37	32° 2' 57.89 N	103° 43' 9.819 W

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
19,500.00	90.00	359.63	12,012.00	7,632.79	412.66	382,293.10	690,217.05	32° 2' 58.39 N	103° 43' 9.819 W
19,550.00	90.00	359.63	12,012.00	7,682.79	412.34	382,343.09	690,216.73	32° 2' 58.88 N	103° 43' 9.819 W
19,600.00	90.00	359.63	12,012.00	7,732.79	412.03	382,393.09	690,216.41	32° 2' 59.38 N	103° 43' 9.820 W
19,650.00	90.00	359.63	12,012.00	7,782.78	411.71	382,443.09	690,216.09	32° 2' 59.87 N	103° 43' 9.820 W
19,700.00	90.00	359.63	12,012.00	7,832.78	411.39	382,493.08	690,215.77	32° 3' 0.37 N	103° 43' 9.821 W
19,750.00	90.00	359.63	12,012.00	7,882.78	411.07	382,543.08	690,215.45	32° 3' 0.86 N	103° 43' 9.821 W
19,800.00	90.00	359.63	12,012.00	7,932.78	410.75	382,593.08	690,215.14	32° 3' 1.36 N	103° 43' 9.821 W
19,850.00	90.00	359.63	12,012.00	7,982.78	410.43	382,643.07	690,214.82	32° 3' 1.85 N	103° 43' 9.822 W
19,900.00	90.00	359.63	12,012.00	8,032.78	410.11	382,693.07	690,214.50	32° 3' 2.35 N	103° 43' 9.822 W
19,950.00	90.00	359.63	12,012.00	8,082.78	409.79	382,743.07	690,214.18	32° 3' 2.84 N	103° 43' 9.823 W
20,000.00	90.00	359.63	12,012.00	8,132.78	409.48	382,793.06	690,213.86	32° 3' 3.34 N	103° 43' 9.823 W
20,050.00	90.00	359.63	12,012.00	8,182.78	409.16	382,843.06	690,213.54	32° 3' 3.83 N	103° 43' 9.823 W
20,100.00	90.00	359.63	12,012.00	8,232.78	408.84	382,893.06	690,213.22	32° 3' 4.32 N	103° 43' 9.824 W
20,150.00	90.00	359.63	12,012.00	8,282.77	408.52	382,943.05	690,212.91	32° 3' 4.82 N	103° 43' 9.824 W
20,200.00	90.00	359.63	12,012.00	8,332.77	408.20	382,993.05	690,212.59	32° 3' 5.31 N	103° 43' 9.825 W
20,250.00	90.00	359.63	12,012.00	8,382.77	407.88	383,043.04	690,212.27	32° 3' 5.81 N	103° 43' 9.825 W
20,300.00	90.00	359.63	12,012.00	8,432.77	407.56	383,093.04	690,211.95	32° 3' 6.30 N	103° 43' 9.825 W
20,350.00	90.00	359.63	12,012.00	8,482.77	407.25	383,143.04	690,211.63	32° 3' 6.80 N	103° 43' 9.826 W
20,400.00	90.00	359.63	12,012.00	8,532.77	406.93	383,193.03	690,211.31	32° 3' 7.29 N	103° 43' 9.826 W
20,450.00	90.00	359.63	12,012.00	8,582.77	406.61	383,243.03	690,210.99	32° 3' 7.79 N	103° 43' 9.827 W
20,500.00	90.00	359.63	12,012.00	8,632.77	406.29	383,293.03	690,210.68	32° 3' 8.28 N	103° 43' 9.827 W
20,550.00	90.00	359.63	12,012.00	8,682.77	405.97	383,343.02	690,210.36	32° 3' 8.78 N	103° 43' 9.827 W
20,600.00	90.00	359.63	12,012.00	8,732.77	405.65	383,393.02	690,210.04	32° 3' 9.27 N	103° 43' 9.828 W
20,650.00	90.00	359.63	12,012.00	8,782.76	405.33	383,443.02	690,209.72	32° 3' 9.77 N	103° 43' 9.828 W
20,700.00	90.00	359.63	12,012.00	8,832.76	405.02	383,493.01	690,209.40	32° 3' 10.26 N	103° 43' 9.829 W
20,750.00	90.00	359.63	12,012.00	8,882.76	404.70	383,543.01	690,209.08	32° 3' 10.76 N	103° 43' 9.829 W
20,800.00	90.00	359.63	12,012.00	8,932.76	404.38	383,593.01	690,208.76	32° 3' 11.25 N	103° 43' 9.829 W
20,850.00	90.00	359.63	12,012.00	8,982.76	404.06	383,643.00	690,208.45	32° 3' 11.75 N	103° 43' 9.830 W
20,900.00	90.00	359.63	12,012.00	9,032.76	403.74	383,693.00	690,208.13	32° 3' 12.24 N	103° 43' 9.830 W
20,950.00	90.00	359.63	12,012.00	9,082.76	403.42	383,743.00	690,207.81	32° 3' 12.74 N	103° 43' 9.831 W
21,000.00	90.00	359.63	12,012.00	9,132.76	403.10	383,792.99	690,207.49	32° 3' 13.23 N	103° 43' 9.831 W
21,050.00	90.00	359.63	12,012.00	9,182.76	402.79	383,842.99	690,207.17	32° 3' 13.73 N	103° 43' 9.831 W
21,100.00	90.00	359.63	12,012.00	9,232.76	402.47	383,892.99	690,206.85	32° 3' 14.22 N	103° 43' 9.832 W
21,150.00	90.00	359.63	12,012.00	9,282.75	402.15	383,942.98	690,206.53	32° 3' 14.72 N	103° 43' 9.832 W
21,200.00	90.00	359.63	12,012.00	9,332.75	401.83	383,992.98	690,206.22	32° 3' 15.21 N	103° 43' 9.833 W
21,250.00	90.00	359.63	12,012.00	9,382.75	401.51	384,042.97	690,205.90	32° 3' 15.70 N	103° 43' 9.833 W
21,300.00	90.00	359.63	12,012.00	9,432.75	401.19	384,092.97	690,205.58	32° 3' 16.20 N	103° 43' 9.833 W
21,350.00	90.00	359.63	12,012.00	9,482.75	400.87	384,142.97	690,205.26	32° 3' 16.69 N	103° 43' 9.834 W
21,400.00	90.00	359.63	12,012.00	9,532.75	400.56	384,192.96	690,204.94	32° 3' 17.19 N	103° 43' 9.834 W
21,450.00	90.00	359.63	12,012.00	9,582.75	400.24	384,242.96	690,204.62	32° 3' 17.68 N	103° 43' 9.835 W
21,500.00	90.00	359.63	12,012.00	9,632.75	399.92	384,292.96	690,204.30	32° 3' 18.18 N	103° 43' 9.835 W
21,550.00	90.00	359.63	12,012.00	9,682.75	399.60	384,342.95	690,203.99	32° 3' 18.67 N	103° 43' 9.835 W
21,600.00	90.00	359.63	12,012.00	9,732.75	399.28	384,392.95	690,203.67	32° 3' 19.17 N	103° 43' 9.836 W
21,650.00	90.00	359.63	12,012.00	9,782.74	398.96	384,442.95	690,203.35	32° 3' 19.66 N	103° 43' 9.836 W
21,700.00	90.00	359.63	12,012.00	9,832.74	398.64	384,492.94	690,203.03	32° 3' 20.16 N	103° 43' 9.837 W
21,750.00	90.00	359.63	12,012.00	9,882.74	398.33	384,542.94	690,202.71	32° 3' 20.65 N	103° 43' 9.837 W
21,800.00	90.00	359.63	12,012.00	9,932.74	398.01	384,592.94	690,202.39	32° 3' 21.15 N	103° 43' 9.837 W
21,850.00	90.00	359.63	12,012.00	9,982.74	397.69	384,642.93	690,202.07	32° 3' 21.64 N	103° 43' 9.838 W
21,900.00	90.00	359.63	12,012.00	10,032.74	397.37	384,692.93	690,201.76	32° 3' 22.14 N	103° 43' 9.838 W
21,950.00	90.00	359.63	12,012.00	10,082.74	397.05	384,742.93	690,201.44	32° 3' 22.63 N	103° 43' 9.839 W
22,000.00	90.00	359.63	12,012.00	10,132.74	396.73	384,792.92	690,201.12	32° 3' 23.13 N	103° 43' 9.839 W
22,050.00	90.00	359.63	12,012.00	10,182.74	396.41	384,842.92	690,200.80	32° 3' 23.62 N	103° 43' 9.839 W
22,100.00	90.00	359.63	12,012.00	10,232.73	396.10	384,892.92	690,200.48	32° 3' 24.12 N	103° 43' 9.840 W
22,150.00	90.00	359.63	12,012.00	10,282.73	395.78	384,942.91	690,200.16	32° 3' 24.61 N	103° 43' 9.840 W
22,200.00	90.00	359.63	12,012.00	10,332.73	395.46	384,992.91	690,199.84	32° 3' 25.11 N	103° 43' 9.841 W
22,250.00	90.00	359.63	12,012.00	10,382.73	395.14	385,042.90	690,199.53	32° 3' 25.60 N	103° 43' 9.841 W
22,300.00	90.00	359.63	12,012.00	10,432.73	394.82	385,092.90	690,199.21	32° 3' 26.10 N	103° 43' 9.841 W
22,311.37	90.00	359.63	12,012.00	10,444.10	394.75	385,104.27	690,199.14	32° 3' 26.21 N	103° 43' 9.841 W

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
ZIA HILLS 19 104H_WP - plan hits target center - Point	0.00	0.01	11,212.00	-139.33	462.18	374,521.37	690,266.57	32° 1' 41.47 N	103° 43' 9.757 W
ZIA HILLS 19 104H_WP - plan hits target center - Point	0.00	0.00	12,012.00	10,444.10	394.75	385,104.27	690,199.14	32° 3' 26.21 N	103° 43' 9.841 W

CONOCOPHILLIPS COMPANY

Well: ZIA HILLS 19 104H

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	0.00
3	6279.49	5.59	106.78	6279.05	-3.93	13.04	2.00	106.78	-3.44
4	0955.63	5.59	106.78	10932.95	-135.40	449.14	0.00	0.00	-118.33
5	1235.12	0.00	0.00	11212.00	-139.33	462.18	2.00	180.00	-121.77
6	1318.93	0.00	0.00	11295.80	-139.33	462.18	0.00	0.00	-121.77
7	2443.93	90.00	359.63	12012.00	576.86	457.62	8.00	359.63	593.73
8	2311.37	90.00	359.63	12012.00	10444.10	394.75	0.00	0.00	10451.56

