

HOBBS OFFICE
NOV 27 2017
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ConocoPhillips MCBU -
Permian-Panhandle Gold Data

Planning - NM East State Zone - 3001

ZIA HILLS 19 102H

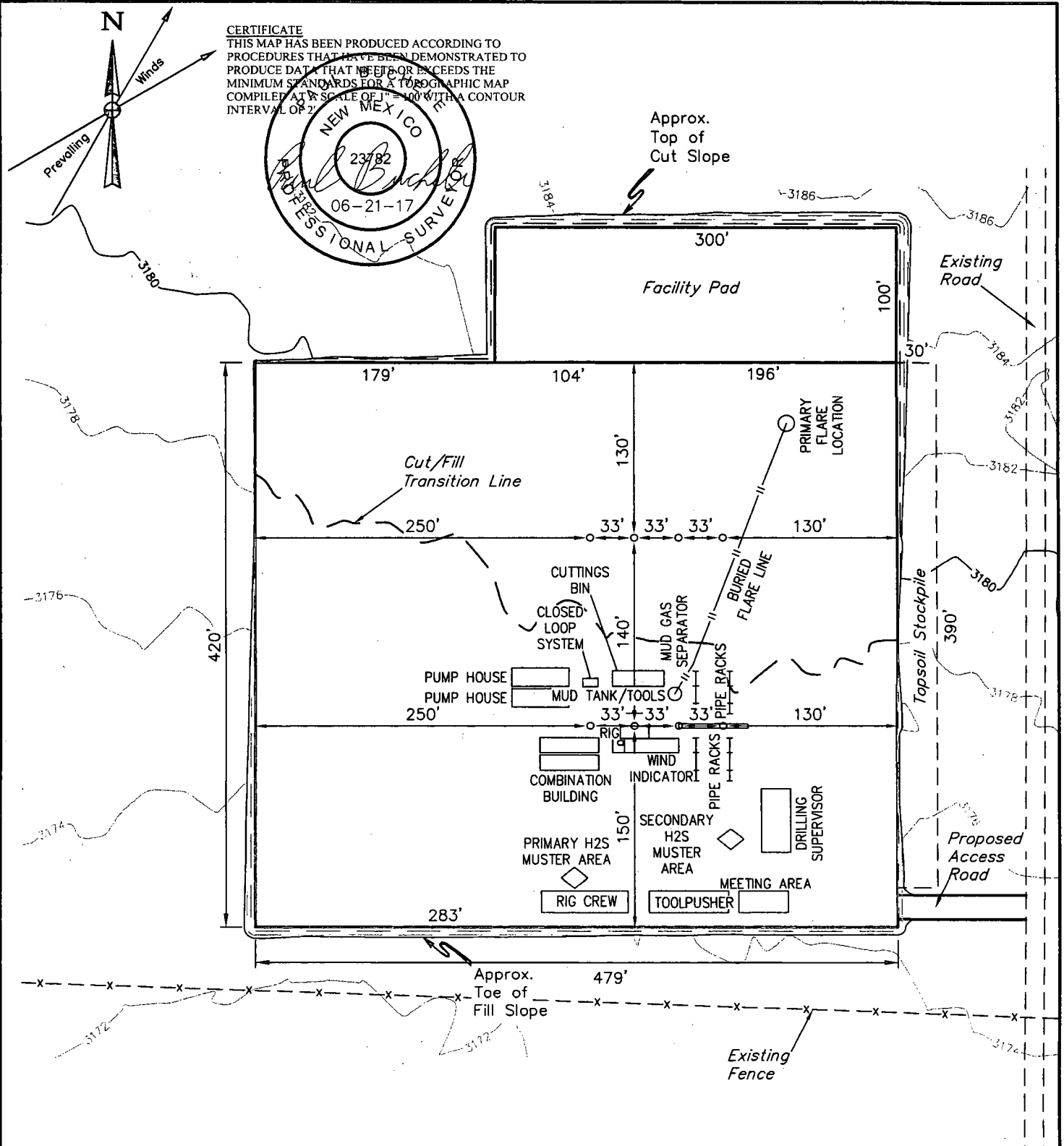
ZIA HILLS 19 102H

ZIA HILLS 19 102H

Plan: ZIA HILLS 19 102H_WP1

Survey Report - Geographic

27 June, 2017



REV: 1 06-05-17 C.D. (PAD NAME CHANGE)

NOTES:

- Contours shown at 2' intervals.
- May have different number of Pump Houses and Combination Buildings.

ConocoPhillips Company

ZIA HILLS 19 FEDERAL PAD 1
SECTION 19, T26S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	J.A.V., R.D.	04-19-17	SCALE
DRAWN BY	C.D.	05-03-17	1" = 100'
TYPICAL RIG LAYOUT			FIGURE #3



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

Site Position:		Northing:	374,660.47 usft	Latitude:	32° 1' 42.88 N
From:	Map	Easting:	689,738.47 usft	Longitude:	103° 43' 15.882 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.32 °

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
50.00	0.00	0.00	50.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
100.00	0.00	0.00	100.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
150.00	0.00	0.00	150.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
200.00	0.00	0.00	200.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
250.00	0.00	0.00	250.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
300.00	0.00	0.00	300.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
350.00	0.00	0.00	350.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
400.00	0.00	0.00	400.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
450.00	0.00	0.00	450.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
500.00	0.00	0.00	500.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
550.00	0.00	0.00	550.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
600.00	0.00	0.00	600.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
650.00	0.00	0.00	650.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
700.00	0.00	0.00	700.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
750.00	0.00	0.00	750.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
800.00	0.00	0.00	800.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
850.00	0.00	0.00	850.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
900.00	0.00	0.00	900.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
950.00	0.00	0.00	950.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
1,000.00	0.00	0.00	1,000.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
1,050.00	0.00	0.00	1,050.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
1,100.00	0.00	0.00	1,100.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
1,150.00	0.00	0.00	1,150.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
1,200.00	0.00	0.00	1,200.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
1,250.00	0.00	0.00	1,250.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
1,300.00	0.00	0.00	1,300.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
1,350.00	0.00	0.00	1,350.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
1,400.00	0.00	0.00	1,400.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
1,450.00	0.00	0.00	1,450.00	0.00	0.00	374,660.47	689,738.47	32	

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	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,050.00	0.00	0.00	3,050.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,100.00	0.00	0.00	3,100.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,150.00	0.00	0.00	3,150.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,200.00	0.00	0.00	3,200.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,250.00	0.00	0.00	3,250.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,300.00	0.00	0.00	3,300.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,350.00	0.00	0.00	3,350.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,400.00	0.00	0.00	3,400.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,450.00	0.00	0.00	3,450.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,500.00	0.00	0.00	3,500.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,550.00	0.00	0.00	3,550.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,600.00	0.00	0.00	3,600.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,650.00	0.00	0.00	3,650.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,700.00	0.00	0.00	3,700.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,750.00	0.00	0.00	3,750.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,800.00	0.00	0.00	3,800.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,850.00	0.00	0.00	3,850.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,900.00	0.00	0.00	3,900.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
3,950.00	0.00	0.00	3,950.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,000.00	0.00	0.00	4,000.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,050.00	0.00	0.00	4,050.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,100.00	0.00	0.00	4,100.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,150.00	0.00	0.00	4,150.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,200.00	0.00	0.00	4,200.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,250.00	0.00	0.00	4,250.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,300.00	0.00	0.00	4,300.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,350.00	0.00	0.00	4,350.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,400.00	0.00	0.00	4,400.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,450.00	0.00	0.00	4,450.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,500.00	0.00	0.00	4,500.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,550.00	0.00	0.00	4,550.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,600.00	0.00	0.00	4,600.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,650.00	0.00	0.00	4,650.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,700.00	0.00	0.00	4,700.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,750.00	0.00	0.00	4,750.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,800.00	0.00	0.00	4,800.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,850.00	0.00	0.00	4,850.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,900.00	0.00	0.00	4,900.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
4,950.00	0.00	0.00	4,950.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,000.00	0.00	0.00	5,000.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,050.00	0.00	0.00	5,050.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,100.00	0.00	0.00	5,100.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,150.00	0.00	0.00	5,150.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,200.00	0.00	0.00	5,200.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,250.00	0.00	0.00	5,250.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,300.00	0.00	0.00	5,300.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,350.00	0.00	0.00	5,350.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,400.00	0.00	0.00	5,400.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,450.00	0.00	0.00	5,450.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,500.00	0.00	0.00	5,500.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,550.00	0.00	0.00	5,550.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,600.00	0.00	0.00	5,600.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,650.00	0.00	0.00	5,650.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,700.00	0.00	0.00	5,700.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,750.00	0.00	0.00	5,750.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,800.00	0.00	0.00	5,800.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,850.00	0.00	0.00	5,850.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,900.00	0.00	0.00	5,900.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
5,950.00	0.00	0.00	5,950.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
6,000.00	0.00	0.00	6,000.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
6,050.00	0.00	0.00	6,050.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
6,100.00	0.00	0.00	6,100.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
6,150.00	0.00	0.00	6,150.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
6,200.00	0.00	0.00	6,200.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
6,250.00	0.00	0.00	6,250.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W		
6,300.00	0.00	0.00	6,300.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 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
6,350.00	0.00	0.00	6,350.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
6,400.00	0.00	0.00	6,400.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
6,450.00	0.00	0.00	6,450.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
6,500.00	0.00	0.00	6,500.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
6,550.00	0.00	0.00	6,550.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
6,600.00	0.00	0.00	6,600.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
6,650.00	0.00	0.00	6,650.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
6,700.00	0.00	0.00	6,700.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
6,750.00	0.00	0.00	6,750.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
6,800.00	0.00	0.00	6,800.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
6,850.00	0.00	0.00	6,850.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
6,900.00	0.00	0.00	6,900.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
6,950.00	0.00	0.00	6,950.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,000.00	0.00	0.00	7,000.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,050.00	0.00	0.00	7,050.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,100.00	0.00	0.00	7,100.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,150.00	0.00	0.00	7,150.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,200.00	0.00	0.00	7,200.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,250.00	0.00	0.00	7,250.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,300.00	0.00	0.00	7,300.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,350.00	0.00	0.00	7,350.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,400.00	0.00	0.00	7,400.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,450.00	0.00	0.00	7,450.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,500.00	0.00	0.00	7,500.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,550.00	0.00	0.00	7,550.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,600.00	0.00	0.00	7,600.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,650.00	0.00	0.00	7,650.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,700.00	0.00	0.00	7,700.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,750.00	0.00	0.00	7,750.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,800.00	0.00	0.00	7,800.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,850.00	0.00	0.00	7,850.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,900.00	0.00	0.00	7,900.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
7,950.00	0.00	0.00	7,950.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
8,000.00	0.00	0.00	8,000.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
8,050.00	0.00	0.00	8,050.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
8,100.00	0.00	0.00	8,100.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
8,150.00	0.00	0.00	8,150.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
8,200.00	0.00	0.00	8,200.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
8,250.00	0.00	0.00	8,250.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
8,300.00	0.00	0.00	8,300.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
8,350.00	0.00	0.00	8,350.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
8,400.00	0.00	0.00	8,400.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
8,450.00	0.00	0.00	8,450.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
8,500.00	0.00	0.00	8,500.00	0.00	0.00	374,660.47	689,738.47	32° 1' 42.88 N	103° 43' 15.882 W
8,550.00	1.00	224.22	8,550.00	-0.31	-0.30	374,660.16	689,738.16	32° 1' 42.88 N	103° 43' 15.886 W
8,600.00	2.00	224.22	8,599.98	-1.25	-1.22	374,659.22	689,737.25	32° 1' 42.87 N	103° 43' 15.897 W
8,650.00	3.00	224.22	8,649.93	-2.81	-2.74	374,657.65	689,735.73	32° 1' 42.85 N	103° 43' 15.914 W
8,700.00	4.00	224.22	8,699.84	-5.00	-4.87	374,655.47	689,733.60	32° 1' 42.83 N	103° 43' 15.939 W
8,718.34	4.37	224.22	8,718.13	-5.96	-5.80	374,654.51	689,732.67	32° 1' 42.82 N	103° 43' 15.950 W
8,750.00	4.37	224.22	8,749.70	-7.69	-7.48	374,652.78	689,730.98	32° 1' 42.81 N	103° 43' 15.970 W
8,800.00	4.37	224.22	8,799.55	-10.42	-10.14	374,650.05	689,728.33	32° 1' 42.78 N	103° 43' 16.001 W
8,850.00	4.37	224.22	8,849.41	-13.15	-12.79	374,647.32	689,725.68	32° 1' 42.75 N	103° 43' 16.032 W
8,900.00	4.37	224.22	8,899.26	-15.87	-15.45	374,644.60	689,723.02	32° 1' 42.72 N	103° 43' 16.063 W
8,950.00	4.37	224.22	8,949.12	-18.60	-18.10	374,641.87	689,720.37	32° 1' 42.70 N	103° 43' 16.094 W
9,000.00	4.37	224.22	8,998.97	-21.33	-20.76	374,639.14	689,717.71	32° 1' 42.67 N	103° 43' 16.125 W
9,050.00	4.37	224.22	9,048.83	-24.06	-23.41	374,636.41	689,715.06	32° 1' 42.64 N	103° 43' 16.156 W
9,100.00	4.37	224.22	9,098.68	-26.79	-26.07	374,633.68	689,712.40	32° 1' 42.62 N	103° 43' 16.187 W
9,150.00	4.37	224.22	9,148.54	-29.52	-28.72	374,630.95	689,709.75	32° 1' 42.59 N	103° 43' 16.218 W
9,200.00	4.37	224.22	9,198.39	-32.24	-31.38	374,628.22	689,707.09	32° 1' 42.56 N	103° 43' 16.249 W
9,250.00	4.37	224.22	9,248.25	-34.97	-34.03	374,625.50	689,704.44	32° 1' 42.54 N	103° 43' 16.280 W
9,300.00	4.37	224.22	9,298.10	-37.70	-36.69	374,622.77	689,701.78	32° 1' 42.51 N	103° 43' 16.311 W
9,350.00	4.37	224.22	9,347.96	-40.43	-39.34	374,620.04	689,699.13	32° 1' 42.48 N	103° 43' 16.342 W
9,400.00	4.37	224.22	9,397.81	-43.16	-42.00	374,617.31	689,696.47	32° 1' 42.46 N	103° 43' 16.373 W
9,450.00	4.37	224.22	9,447.66	-45.89	-44.65	374,614.58	689,693.82	32° 1' 42.43 N	103° 43' 16.404 W
9,500.00	4.37	224.22	9,497.52	-48.62	-47.31	374,611.85	689,691.16	32° 1' 42.40 N	103° 43' 16.435 W
9,550.00	4.37	224.22	9,547.37	-51.34	-49.96	374,609.13	689,688.51	32° 1' 42.38 N	103° 43' 16.466 W
9,600.00	4.37	224.22	9,597.23	-54.07	-52.62	374,606.40	689,685.85	32° 1' 42.35 N	103° 43' 16.497 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	4.37	224.22	9,647.08	-56.80	-55.27	374,603.67	689,683.20	32° 1' 42.32 N	103° 43' 16.528 W
9,700.00	4.37	224.22	9,696.94	-59.53	-57.93	374,600.94	689,680.54	32° 1' 42.29 N	103° 43' 16.559 W
9,750.00	4.37	224.22	9,746.79	-62.26	-60.58	374,598.21	689,677.89	32° 1' 42.27 N	103° 43' 16.590 W
9,800.00	4.37	224.22	9,796.65	-64.99	-63.24	374,595.48	689,675.23	32° 1' 42.24 N	103° 43' 16.621 W
9,850.00	4.37	224.22	9,846.50	-67.72	-65.89	374,592.76	689,672.58	32° 1' 42.21 N	103° 43' 16.652 W
9,900.00	4.37	224.22	9,896.36	-70.44	-68.55	374,590.03	689,669.92	32° 1' 42.19 N	103° 43' 16.683 W
9,950.00	4.37	224.22	9,946.21	-73.17	-71.20	374,587.30	689,667.27	32° 1' 42.16 N	103° 43' 16.714 W
10,000.00	4.37	224.22	9,996.07	-75.90	-73.86	374,584.57	689,664.61	32° 1' 42.13 N	103° 43' 16.745 W
10,050.00	4.37	224.22	10,045.92	-78.63	-76.51	374,581.84	689,661.96	32° 1' 42.11 N	103° 43' 16.776 W
10,100.00	4.37	224.22	10,095.78	-81.36	-79.17	374,579.11	689,659.30	32° 1' 42.08 N	103° 43' 16.807 W
10,150.00	4.37	224.22	10,145.63	-84.09	-81.82	374,576.39	689,656.65	32° 1' 42.05 N	103° 43' 16.838 W
10,200.00	4.37	224.22	10,195.49	-86.82	-84.48	374,573.66	689,653.99	32° 1' 42.03 N	103° 43' 16.869 W
10,250.00	4.37	224.22	10,245.34	-89.54	-87.13	374,570.93	689,651.34	32° 1' 42.00 N	103° 43' 16.900 W
10,300.00	4.37	224.22	10,295.20	-92.27	-89.79	374,568.20	689,648.68	32° 1' 41.97 N	103° 43' 16.931 W
10,350.00	4.37	224.22	10,345.05	-95.00	-92.44	374,565.47	689,646.03	32° 1' 41.95 N	103° 43' 16.962 W
10,400.00	4.37	224.22	10,394.91	-97.73	-95.10	374,562.74	689,643.37	32° 1' 41.92 N	103° 43' 16.993 W
10,450.00	4.37	224.22	10,444.76	-100.46	-97.75	374,560.01	689,640.72	32° 1' 41.89 N	103° 43' 17.024 W
10,500.00	4.37	224.22	10,494.62	-103.19	-100.41	374,557.29	689,638.06	32° 1' 41.87 N	103° 43' 17.055 W
10,550.00	4.37	224.22	10,544.47	-105.92	-103.06	374,554.56	689,635.41	32° 1' 41.84 N	103° 43' 17.086 W
10,600.00	4.37	224.22	10,594.33	-108.64	-105.72	374,551.83	689,632.75	32° 1' 41.81 N	103° 43' 17.117 W
10,650.00	4.37	224.22	10,644.18	-111.37	-108.37	374,549.10	689,630.10	32° 1' 41.78 N	103° 43' 17.148 W
10,700.00	4.37	224.22	10,694.04	-114.10	-111.03	374,546.37	689,627.44	32° 1' 41.76 N	103° 43' 17.179 W
10,750.00	4.37	224.22	10,743.89	-116.83	-113.68	374,543.64	689,624.79	32° 1' 41.73 N	103° 43' 17.210 W
10,800.00	4.37	224.22	10,793.75	-119.56	-116.34	374,540.92	689,622.13	32° 1' 41.70 N	103° 43' 17.241 W
10,850.00	4.37	224.22	10,843.60	-122.29	-118.99	374,538.19	689,619.48	32° 1' 41.68 N	103° 43' 17.273 W
10,900.00	4.37	224.22	10,893.46	-125.02	-121.65	374,535.46	689,616.82	32° 1' 41.65 N	103° 43' 17.304 W
10,950.00	4.37	224.22	10,943.31	-127.74	-124.30	374,532.73	689,614.17	32° 1' 41.62 N	103° 43' 17.335 W
10,982.65	4.37	224.22	10,975.87	-129.53	-126.04	374,530.95	689,612.44	32° 1' 41.61 N	103° 43' 17.355 W
11,000.00	4.02	224.22	10,993.17	-130.44	-126.92	374,530.04	689,611.55	32° 1' 41.60 N	103° 43' 17.365 W
11,050.00	3.02	224.22	11,043.07	-132.64	-129.06	374,527.84	689,609.41	32° 1' 41.58 N	103° 43' 17.390 W
11,100.00	2.02	224.22	11,093.02	-134.21	-130.60	374,526.26	689,607.88	32° 1' 41.56 N	103° 43' 17.408 W
11,150.00	1.02	224.22	11,143.01	-135.16	-131.52	374,525.31	689,606.95	32° 1' 41.55 N	103° 43' 17.419 W
11,200.00	0.02	224.22	11,193.00	-135.49	-131.84	374,524.99	689,606.64	32° 1' 41.55 N	103° 43' 17.423 W
11,201.00	0.00	0.00	11,194.00	-135.49	-131.84	374,524.99	689,606.64	32° 1' 41.55 N	103° 43' 17.423 W
11,250.00	0.00	0.00	11,243.00	-135.49	-131.84	374,524.99	689,606.64	32° 1' 41.55 N	103° 43' 17.423 W
11,284.80	0.00	0.00	11,277.80	-135.49	-131.84	374,524.99	689,606.64	32° 1' 41.55 N	103° 43' 17.423 W
11,300.00	1.22	359.64	11,293.00	-135.33	-131.84	374,525.15	689,606.63	32° 1' 41.55 N	103° 43' 17.423 W
11,350.00	5.22	359.64	11,342.91	-132.52	-131.86	374,527.95	689,606.62	32° 1' 41.58 N	103° 43' 17.423 W
11,400.00	9.22	359.64	11,392.51	-126.24	-131.90	374,534.23	689,606.58	32° 1' 41.64 N	103° 43' 17.423 W
11,450.00	13.22	359.64	11,441.54	-116.52	-131.96	374,543.96	689,606.51	32° 1' 41.74 N	103° 43' 17.423 W
11,500.00	17.22	359.64	11,489.78	-103.40	-132.04	374,557.08	689,606.43	32° 1' 41.86 N	103° 43' 17.423 W
11,550.00	21.22	359.64	11,536.98	-86.95	-132.15	374,573.53	689,606.33	32° 1' 42.03 N	103° 43' 17.423 W
11,600.00	25.22	359.64	11,582.93	-67.24	-132.27	374,593.23	689,606.20	32° 1' 42.22 N	103° 43' 17.423 W
11,650.00	29.22	359.64	11,627.38	-44.38	-132.42	374,616.09	689,606.06	32° 1' 42.45 N	103° 43' 17.423 W
11,700.00	33.22	359.64	11,670.13	-18.47	-132.58	374,642.00	689,605.89	32° 1' 42.71 N	103° 43' 17.424 W
11,750.00	37.22	359.64	11,710.98	10.36	-132.77	374,670.82	689,605.71	32° 1' 42.99 N	103° 43' 17.424 W
11,800.00	41.22	359.64	11,749.71	41.96	-132.97	374,702.43	689,605.51	32° 1' 43.30 N	103° 43' 17.424 W
11,850.00	45.22	359.64	11,786.14	76.19	-133.18	374,736.66	689,605.29	32° 1' 43.64 N	103° 43' 17.424 W
11,900.00	49.22	359.64	11,820.09	112.88	-133.42	374,773.34	689,605.05	32° 1' 44.01 N	103° 43' 17.425 W
11,950.00	53.22	359.64	11,851.41	151.85	-133.67	374,812.31	689,604.81	32° 1' 44.39 N	103° 43' 17.425 W
12,000.00	57.22	359.64	11,879.92	192.90	-133.93	374,853.36	689,604.54	32° 1' 44.80 N	103° 43' 17.425 W
12,050.00	61.22	359.64	11,905.51	235.85	-134.20	374,896.31	689,604.27	32° 1' 45.22 N	103° 43' 17.426 W
12,100.00	65.22	359.64	11,928.04	280.47	-134.49	374,940.93	689,603.99	32° 1' 45.66 N	103° 43' 17.426 W
12,150.00	69.22	359.64	11,947.39	326.56	-134.78	374,987.01	689,603.69	32° 1' 46.12 N	103° 43' 17.426 W
12,200.00	73.22	359.64	11,963.49	373.89	-135.08	375,034.34	689,603.39	32° 1' 46.59 N	103° 43' 17.427 W
12,250.00	77.22	359.64	11,976.25	422.22	-135.39	375,082.67	689,603.08	32° 1' 47.07 N	103° 43' 17.427 W
12,300.00	81.22	359.64	11,985.60	471.33	-135.70	375,131.77	689,602.77	32° 1' 47.55 N	103° 43' 17.428 W
12,350.00	85.22	359.64	11,991.51	520.97	-136.02	375,181.41	689,602.45	32° 1' 48.04 N	103° 43' 17.428 W
12,400.00	89.22	359.64	11,993.93	570.90	-136.34	375,231.34	689,602.14	32° 1' 48.54 N	103° 43' 17.428 W
12,409.80	90.00	359.64	11,994.00	580.70	-136.40	375,241.14	689,602.07	32° 1' 48.63 N	103° 43' 17.428 W
12,450.00	90.00	359.64	11,994.00	620.90	-136.65	375,281.33	689,601.82	32° 1' 49.03 N	103° 43' 17.429 W
12,500.00	90.00	359.64	11,994.00	670.90	-136.97	375,331.33	689,601.50	32° 1' 49.53 N	103° 43' 17.429 W
12,550.00	90.00	359.64	11,994.00	720.89	-137.29	375,381.33	689,601.18	32° 1' 50.02 N	103° 43' 17.430 W
12,600.00	90.00	359.64	11,994.00	770.89	-137.61	375,431.32	689,600.86	32° 1' 50.52 N	103° 43' 17.430 W
12,650.00	90.00	359.64	11,994.00	820.89	-137.93	375,481.32	689,600.54	32° 1' 51.01 N	103° 43' 17.430 W
12,700.00	90.00	359.64	11,994.00	870.89	-138.25	375,531.32	689,600.23	32° 1' 51.51 N	103° 43' 17.431 W
12,750.00	90.00	359.64	11,994.00	920.89	-138.57	375,581.31	689,599.91	32° 1' 52.00 N	103° 43' 17.431 W

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northling (usft)	Map Easting (usft)	Latitude	Longitude
12,800.00	90.00	359.64	11,994.00	970.89	-138.88	375,631.31	689,599.59	32° 1' 52.50 N	103° 43' 17.432 W
12,850.00	90.00	359.64	11,994.00	1,020.89	-139.20	375,681.31	689,599.27	32° 1' 52.99 N	103° 43' 17.432 W
12,900.00	90.00	359.64	11,994.00	1,070.89	-139.52	375,731.30	689,598.95	32° 1' 53.49 N	103° 43' 17.432 W
12,950.00	90.00	359.64	11,994.00	1,120.89	-139.84	375,781.30	689,598.63	32° 1' 53.98 N	103° 43' 17.433 W
13,000.00	90.00	359.64	11,994.00	1,170.89	-140.16	375,831.30	689,598.31	32° 1' 54.48 N	103° 43' 17.433 W
13,050.00	90.00	359.64	11,994.00	1,220.88	-140.48	375,881.29	689,598.00	32° 1' 54.97 N	103° 43' 17.434 W
13,100.00	90.00	359.64	11,994.00	1,270.88	-140.79	375,931.29	689,597.68	32° 1' 55.46 N	103° 43' 17.434 W
13,150.00	90.00	359.64	11,994.00	1,320.88	-141.11	375,981.28	689,597.36	32° 1' 55.96 N	103° 43' 17.435 W
13,200.00	90.00	359.64	11,994.00	1,370.88	-141.43	376,031.28	689,597.04	32° 1' 56.45 N	103° 43' 17.435 W
13,250.00	90.00	359.64	11,994.00	1,420.88	-141.75	376,081.28	689,596.72	32° 1' 56.95 N	103° 43' 17.435 W
13,300.00	90.00	359.64	11,994.00	1,470.88	-142.07	376,131.27	689,596.40	32° 1' 57.44 N	103° 43' 17.436 W
13,350.00	90.00	359.64	11,994.00	1,520.88	-142.39	376,181.27	689,596.09	32° 1' 57.94 N	103° 43' 17.436 W
13,400.00	90.00	359.64	11,994.00	1,570.88	-142.71	376,231.27	689,595.77	32° 1' 58.43 N	103° 43' 17.437 W
13,450.00	90.00	359.64	11,994.00	1,620.88	-143.02	376,281.26	689,595.45	32° 1' 58.93 N	103° 43' 17.437 W
13,500.00	90.00	359.64	11,994.00	1,670.87	-143.34	376,331.26	689,595.13	32° 1' 59.42 N	103° 43' 17.437 W
13,550.00	90.00	359.64	11,994.00	1,720.87	-143.66	376,381.26	689,594.81	32° 1' 59.92 N	103° 43' 17.438 W
13,600.00	90.00	359.64	11,994.00	1,770.87	-143.98	376,431.25	689,594.49	32° 2' 0.41 N	103° 43' 17.438 W
13,650.00	90.00	359.64	11,994.00	1,820.87	-144.30	376,481.25	689,594.17	32° 2' 0.91 N	103° 43' 17.439 W
13,700.00	90.00	359.64	11,994.00	1,870.87	-144.62	376,531.25	689,593.86	32° 2' 1.40 N	103° 43' 17.439 W
13,750.00	90.00	359.64	11,994.00	1,920.87	-144.93	376,581.24	689,593.54	32° 2' 1.90 N	103° 43' 17.439 W
13,800.00	90.00	359.64	11,994.00	1,970.87	-145.25	376,631.24	689,593.22	32° 2' 2.39 N	103° 43' 17.440 W
13,850.00	90.00	359.64	11,994.00	2,020.87	-145.57	376,681.24	689,592.90	32° 2' 2.89 N	103° 43' 17.440 W
13,900.00	90.00	359.64	11,994.00	2,070.87	-145.89	376,731.23	689,592.58	32° 2' 3.38 N	103° 43' 17.441 W
13,950.00	90.00	359.64	11,994.00	2,120.87	-146.21	376,781.23	689,592.26	32° 2' 3.88 N	103° 43' 17.441 W
14,000.00	90.00	359.64	11,994.00	2,170.86	-146.53	376,831.23	689,591.95	32° 2' 4.37 N	103° 43' 17.441 W
14,050.00	90.00	359.64	11,994.00	2,220.86	-146.85	376,881.22	689,591.63	32° 2' 4.87 N	103° 43' 17.442 W
14,100.00	90.00	359.64	11,994.00	2,270.86	-147.16	376,931.22	689,591.31	32° 2' 5.36 N	103° 43' 17.442 W
14,150.00	90.00	359.64	11,994.00	2,320.86	-147.48	376,981.21	689,590.99	32° 2' 5.86 N	103° 43' 17.443 W
14,200.00	90.00	359.64	11,994.00	2,370.86	-147.80	377,031.21	689,590.67	32° 2' 6.35 N	103° 43' 17.443 W
14,250.00	90.00	359.64	11,994.00	2,420.86	-148.12	377,081.21	689,590.35	32° 2' 6.84 N	103° 43' 17.444 W
14,300.00	90.00	359.64	11,994.00	2,470.86	-148.44	377,131.20	689,590.04	32° 2' 7.34 N	103° 43' 17.444 W
14,350.00	90.00	359.64	11,994.00	2,520.86	-148.76	377,181.20	689,589.72	32° 2' 7.83 N	103° 43' 17.444 W
14,400.00	90.00	359.64	11,994.00	2,570.86	-149.07	377,231.20	689,589.40	32° 2' 8.33 N	103° 43' 17.445 W
14,450.00	90.00	359.64	11,994.00	2,620.86	-149.39	377,281.19	689,589.08	32° 2' 8.82 N	103° 43' 17.445 W
14,500.00	90.00	359.64	11,994.00	2,670.85	-149.71	377,331.19	689,588.76	32° 2' 9.32 N	103° 43' 17.446 W
14,550.00	90.00	359.64	11,994.00	2,720.85	-150.03	377,381.19	689,588.44	32° 2' 9.81 N	103° 43' 17.446 W
14,600.00	90.00	359.64	11,994.00	2,770.85	-150.35	377,431.18	689,588.12	32° 2' 10.31 N	103° 43' 17.446 W
14,650.00	90.00	359.64	11,994.00	2,820.85	-150.67	377,481.18	689,587.81	32° 2' 10.80 N	103° 43' 17.447 W
14,700.00	90.00	359.64	11,994.00	2,870.85	-150.99	377,531.18	689,587.49	32° 2' 11.30 N	103° 43' 17.447 W
14,750.00	90.00	359.64	11,994.00	2,920.85	-151.30	377,581.17	689,587.17	32° 2' 11.79 N	103° 43' 17.448 W
14,800.00	90.00	359.64	11,994.00	2,970.85	-151.62	377,631.17	689,586.85	32° 2' 12.29 N	103° 43' 17.448 W
14,850.00	90.00	359.64	11,994.00	3,020.85	-151.94	377,681.17	689,586.53	32° 2' 12.78 N	103° 43' 17.448 W
14,900.00	90.00	359.64	11,994.00	3,070.85	-152.26	377,731.16	689,586.21	32° 2' 13.28 N	103° 43' 17.449 W
14,950.00	90.00	359.64	11,994.00	3,120.85	-152.58	377,781.16	689,585.90	32° 2' 13.77 N	103° 43' 17.449 W
15,000.00	90.00	359.64	11,994.00	3,170.84	-152.90	377,831.16	689,585.58	32° 2' 14.27 N	103° 43' 17.450 W
15,050.00	90.00	359.64	11,994.00	3,220.84	-153.21	377,881.15	689,585.26	32° 2' 14.76 N	103° 43' 17.450 W
15,100.00	90.00	359.64	11,994.00	3,270.84	-153.53	377,931.15	689,584.94	32° 2' 15.26 N	103° 43' 17.450 W
15,150.00	90.00	359.64	11,994.00	3,320.84	-153.85	377,981.14	689,584.62	32° 2' 15.75 N	103° 43' 17.451 W
15,200.00	90.00	359.64	11,994.00	3,370.84	-154.17	378,031.14	689,584.30	32° 2' 16.25 N	103° 43' 17.451 W
15,250.00	90.00	359.64	11,994.00	3,420.84	-154.49	378,081.14	689,583.98	32° 2' 16.74 N	103° 43' 17.452 W
15,300.00	90.00	359.64	11,994.00	3,470.84	-154.81	378,131.13	689,583.67	32° 2' 17.24 N	103° 43' 17.452 W
15,350.00	90.00	359.64	11,994.00	3,520.84	-155.13	378,181.13	689,583.35	32° 2' 17.73 N	103° 43' 17.453 W
15,400.00	90.00	359.64	11,994.00	3,570.84	-155.44	378,231.13	689,583.03	32° 2' 18.23 N	103° 43' 17.453 W
15,450.00	90.00	359.64	11,994.00	3,620.84	-155.76	378,281.12	689,582.71	32° 2' 18.72 N	103° 43' 17.453 W
15,500.00	90.00	359.64	11,994.00	3,670.83	-156.08	378,331.12	689,582.39	32° 2' 19.21 N	103° 43' 17.454 W
15,550.00	90.00	359.64	11,994.00	3,720.83	-156.40	378,381.12	689,582.07	32° 2' 19.71 N	103° 43' 17.454 W
15,600.00	90.00	359.64	11,994.00	3,770.83	-156.72	378,431.11	689,581.76	32° 2' 20.20 N	103° 43' 17.455 W
15,650.00	90.00	359.64	11,994.00	3,820.83	-157.04	378,481.11	689,581.44	32° 2' 20.70 N	103° 43' 17.455 W
15,700.00	90.00	359.64	11,994.00	3,870.83	-157.35	378,531.11	689,581.12	32° 2' 21.19 N	103° 43' 17.455 W
15,750.00	90.00	359.64	11,994.00	3,920.83	-157.67	378,581.10	689,580.80	32° 2' 21.69 N	103° 43' 17.456 W
15,800.00	90.00	359.64	11,994.00	3,970.83	-157.99	378,631.10	689,580.48	32° 2' 22.18 N	103° 43' 17.456 W
15,850.00	90.00	359.64	11,994.00	4,020.83	-158.31	378,681.10	689,580.16	32° 2' 22.68 N	103° 43' 17.457 W
15,900.00	90.00	359.64	11,994.00	4,070.83	-158.63	378,731.09	689,579.84	32° 2' 23.17 N	103° 43' 17.457 W
15,950.00	90.00	359.64	11,994.00	4,120.83	-158.95	378,781.09	689,579.53	32° 2' 23.67 N	103° 43' 17.457 W
16,000.00	90.00	359.64	11,994.00	4,170.82	-159.27	378,831.09	689,579.21	32° 2' 24.16 N	103° 43' 17.458 W
16,050.00	90.00	359.64	11,994.00	4,220.82	-159.58	378,881.08	689,578.89	32° 2' 24.66 N	103° 43' 17.458 W
16,100.00	90.00	359.64	11,994.00	4,270.82	-159.90	378,931.08	689,578.57	32° 2' 25.15 N	103° 43' 17.459 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	359.64	11,994.00	4,320.82	-160.22	378,981.08	689,578.25	32° 2' 25.65 N	103° 43' 17.459 W
16,200.00	90.00	359.64	11,994.00	4,370.82	-160.54	379,031.07	689,577.93	32° 2' 26.14 N	103° 43' 17.459 W
16,250.00	90.00	359.64	11,994.00	4,420.82	-160.86	379,081.07	689,577.62	32° 2' 26.64 N	103° 43' 17.460 W
16,300.00	90.00	359.64	11,994.00	4,470.82	-161.18	379,131.06	689,577.30	32° 2' 27.13 N	103° 43' 17.460 W
16,350.00	90.00	359.64	11,994.00	4,520.82	-161.50	379,181.06	689,576.98	32° 2' 27.63 N	103° 43' 17.461 W
16,400.00	90.00	359.64	11,994.00	4,570.82	-161.81	379,231.06	689,576.66	32° 2' 28.12 N	103° 43' 17.461 W
16,450.00	90.00	359.64	11,994.00	4,620.82	-162.13	379,281.05	689,576.34	32° 2' 28.62 N	103° 43' 17.462 W
16,500.00	90.00	359.64	11,994.00	4,670.81	-162.45	379,331.05	689,576.02	32° 2' 29.11 N	103° 43' 17.462 W
16,550.00	90.00	359.64	11,994.00	4,720.81	-162.77	379,381.05	689,575.70	32° 2' 29.61 N	103° 43' 17.462 W
16,600.00	90.00	359.64	11,994.00	4,770.81	-163.09	379,431.04	689,575.39	32° 2' 30.10 N	103° 43' 17.463 W
16,650.00	90.00	359.64	11,994.00	4,820.81	-163.41	379,481.04	689,575.07	32° 2' 30.59 N	103° 43' 17.463 W
16,700.00	90.00	359.64	11,994.00	4,870.81	-163.72	379,531.04	689,574.75	32° 2' 31.09 N	103° 43' 17.464 W
16,750.00	90.00	359.64	11,994.00	4,920.81	-164.04	379,581.03	689,574.43	32° 2' 31.58 N	103° 43' 17.464 W
16,800.00	90.00	359.64	11,994.00	4,970.81	-164.36	379,631.03	689,574.11	32° 2' 32.08 N	103° 43' 17.464 W
16,850.00	90.00	359.64	11,994.00	5,020.81	-164.68	379,681.03	689,573.79	32° 2' 32.57 N	103° 43' 17.465 W
16,900.00	90.00	359.64	11,994.00	5,070.81	-165.00	379,731.02	689,573.48	32° 2' 33.07 N	103° 43' 17.465 W
16,950.00	90.00	359.64	11,994.00	5,120.81	-165.32	379,781.02	689,573.16	32° 2' 33.56 N	103° 43' 17.466 W
17,000.00	90.00	359.64	11,994.00	5,170.80	-165.64	379,831.02	689,572.84	32° 2' 34.06 N	103° 43' 17.466 W
17,050.00	90.00	359.64	11,994.00	5,220.80	-165.95	379,881.01	689,572.52	32° 2' 34.55 N	103° 43' 17.466 W
17,100.00	90.00	359.64	11,994.00	5,270.80	-166.27	379,931.01	689,572.20	32° 2' 35.05 N	103° 43' 17.467 W
17,150.00	90.00	359.64	11,994.00	5,320.80	-166.59	379,981.01	689,571.88	32° 2' 35.54 N	103° 43' 17.467 W
17,200.00	90.00	359.64	11,994.00	5,370.80	-166.91	380,031.00	689,571.56	32° 2' 36.04 N	103° 43' 17.468 W
17,250.00	90.00	359.64	11,994.00	5,420.80	-167.23	380,081.00	689,571.25	32° 2' 36.53 N	103° 43' 17.468 W
17,300.00	90.00	359.64	11,994.00	5,470.80	-167.55	380,130.99	689,570.93	32° 2' 37.03 N	103° 43' 17.468 W
17,350.00	90.00	359.64	11,994.00	5,520.80	-167.86	380,180.99	689,570.61	32° 2' 37.52 N	103° 43' 17.469 W
17,400.00	90.00	359.64	11,994.00	5,570.80	-168.18	380,230.99	689,570.29	32° 2' 38.02 N	103° 43' 17.469 W
17,450.00	90.00	359.64	11,994.00	5,620.79	-168.50	380,280.98	689,569.97	32° 2' 38.51 N	103° 43' 17.470 W
17,500.00	90.00	359.64	11,994.00	5,670.79	-168.82	380,330.98	689,569.65	32° 2' 39.01 N	103° 43' 17.470 W
17,550.00	90.00	359.64	11,994.00	5,720.79	-169.14	380,380.98	689,569.34	32° 2' 39.50 N	103° 43' 17.471 W
17,600.00	90.00	359.64	11,994.00	5,770.79	-169.46	380,430.97	689,569.02	32° 2' 40.00 N	103° 43' 17.471 W
17,650.00	90.00	359.64	11,994.00	5,820.79	-169.78	380,480.97	689,568.70	32° 2' 40.49 N	103° 43' 17.471 W
17,700.00	90.00	359.64	11,994.00	5,870.79	-170.09	380,530.97	689,568.38	32° 2' 40.99 N	103° 43' 17.472 W
17,750.00	90.00	359.64	11,994.00	5,920.79	-170.41	380,580.96	689,568.06	32° 2' 41.48 N	103° 43' 17.472 W
17,800.00	90.00	359.64	11,994.00	5,970.79	-170.73	380,630.96	689,567.74	32° 2' 41.97 N	103° 43' 17.473 W
17,850.00	90.00	359.64	11,994.00	6,020.79	-171.05	380,680.96	689,567.42	32° 2' 42.47 N	103° 43' 17.473 W
17,900.00	90.00	359.64	11,994.00	6,070.79	-171.37	380,730.95	689,567.11	32° 2' 42.96 N	103° 43' 17.473 W
17,950.00	90.00	359.64	11,994.00	6,120.78	-171.69	380,780.95	689,566.79	32° 2' 43.46 N	103° 43' 17.474 W
18,000.00	90.00	359.64	11,994.00	6,170.78	-172.00	380,830.95	689,566.47	32° 2' 43.95 N	103° 43' 17.474 W
18,050.00	90.00	359.64	11,994.00	6,220.78	-172.32	380,880.94	689,566.15	32° 2' 44.45 N	103° 43' 17.475 W
18,100.00	90.00	359.64	11,994.00	6,270.78	-172.64	380,930.94	689,565.83	32° 2' 44.94 N	103° 43' 17.475 W
18,150.00	90.00	359.64	11,994.00	6,320.78	-172.96	380,980.94	689,565.51	32° 2' 45.44 N	103° 43' 17.475 W
18,200.00	90.00	359.64	11,994.00	6,370.78	-173.28	381,030.93	689,565.20	32° 2' 45.93 N	103° 43' 17.476 W
18,250.00	90.00	359.64	11,994.00	6,420.78	-173.60	381,080.93	689,564.88	32° 2' 46.43 N	103° 43' 17.476 W
18,300.00	90.00	359.64	11,994.00	6,470.78	-173.92	381,130.92	689,564.56	32° 2' 46.92 N	103° 43' 17.477 W
18,350.00	90.00	359.64	11,994.00	6,520.78	-174.23	381,180.92	689,564.24	32° 2' 47.42 N	103° 43' 17.477 W
18,400.00	90.00	359.64	11,994.00	6,570.78	-174.55	381,230.92	689,563.92	32° 2' 47.91 N	103° 43' 17.477 W
18,450.00	90.00	359.64	11,994.00	6,620.77	-174.87	381,280.91	689,563.60	32° 2' 48.41 N	103° 43' 17.478 W
18,500.00	90.00	359.64	11,994.00	6,670.77	-175.19	381,330.91	689,563.28	32° 2' 48.90 N	103° 43' 17.478 W
18,550.00	90.00	359.64	11,994.00	6,720.77	-175.51	381,380.91	689,562.97	32° 2' 49.40 N	103° 43' 17.479 W
18,600.00	90.00	359.64	11,994.00	6,770.77	-175.83	381,430.90	689,562.65	32° 2' 49.89 N	103° 43' 17.479 W
18,650.00	90.00	359.64	11,994.00	6,820.77	-176.14	381,480.90	689,562.33	32° 2' 50.39 N	103° 43' 17.480 W
18,700.00	90.00	359.64	11,994.00	6,870.77	-176.46	381,530.90	689,562.01	32° 2' 50.88 N	103° 43' 17.480 W
18,750.00	90.00	359.64	11,994.00	6,920.77	-176.78	381,580.89	689,561.69	32° 2' 51.38 N	103° 43' 17.480 W
18,800.00	90.00	359.64	11,994.00	6,970.77	-177.10	381,630.89	689,561.37	32° 2' 51.87 N	103° 43' 17.481 W
18,850.00	90.00	359.64	11,994.00	7,020.77	-177.42	381,680.89	689,561.06	32° 2' 52.37 N	103° 43' 17.481 W
18,900.00	90.00	359.64	11,994.00	7,070.77	-177.74	381,730.88	689,560.74	32° 2' 52.86 N	103° 43' 17.482 W
18,950.00	90.00	359.64	11,994.00	7,120.76	-178.06	381,780.88	689,560.42	32° 2' 53.36 N	103° 43' 17.482 W
19,000.00	90.00	359.64	11,994.00	7,170.76	-178.37	381,830.88	689,560.10	32° 2' 53.85 N	103° 43' 17.482 W
19,050.00	90.00	359.64	11,994.00	7,220.76	-178.69	381,880.87	689,559.78	32° 2' 54.34 N	103° 43' 17.483 W
19,100.00	90.00	359.64	11,994.00	7,270.76	-179.01	381,930.87	689,559.46	32° 2' 54.84 N	103° 43' 17.483 W
19,150.00	90.00	359.64	11,994.00	7,320.76	-179.33	381,980.87	689,559.14	32° 2' 55.33 N	103° 43' 17.484 W
19,200.00	90.00	359.64	11,994.00	7,370.76	-179.65	382,030.86	689,558.83	32° 2' 55.83 N	103° 43' 17.484 W
19,250.00	90.00	359.64	11,994.00	7,420.76	-179.97	382,080.86	689,558.51	32° 2' 56.32 N	103° 43' 17.484 W
19,300.00	90.00	359.64	11,994.00	7,470.76	-180.28	382,130.85	689,558.19	32° 2' 56.82 N	103° 43' 17.485 W
19,350.00	90.00	359.64	11,994.00	7,520.76	-180.60	382,180.85	689,557.87	32° 2' 57.31 N	103° 43' 17.485 W
19,400.00	90.00	359.64	11,994.00	7,570.76	-180.92	382,230.85	689,557.55	32° 2' 57.81 N	103° 43' 17.486 W
19,450.00	90.00	359.64	11,994.00	7,620.75	-181.24	382,280.84	689,557.23	32° 2' 58.30 N	103° 43' 17.486 W

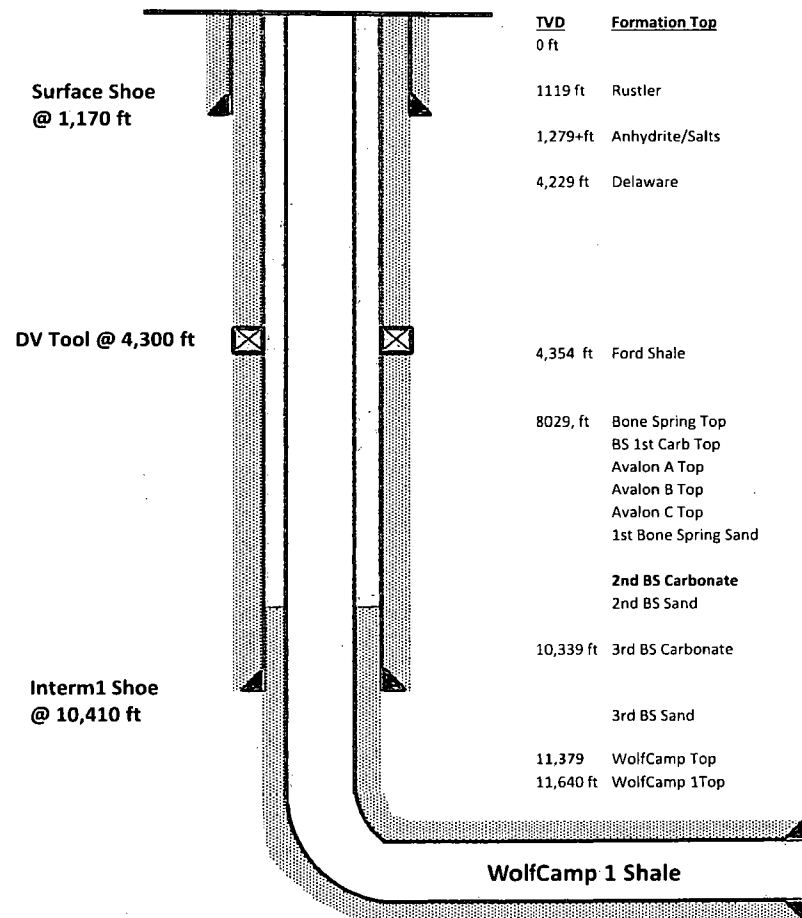
Planned Survey

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	359.64	11,994.00	7,670.75	-181.56	382,330.84	689,556.92	32° 2' 58.80 N	103° 43' 17.486 W
19,550.00	90.00	359.64	11,994.00	7,720.75	-181.88	382,380.84	689,556.60	32° 2' 59.29 N	103° 43' 17.487 W
19,600.00	90.00	359.64	11,994.00	7,770.75	-182.20	382,430.83	689,556.28	32° 2' 59.79 N	103° 43' 17.487 W
19,650.00	90.00	359.64	11,994.00	7,820.75	-182.51	382,480.83	689,555.96	32° 3' 0.28 N	103° 43' 17.488 W
19,700.00	90.00	359.64	11,994.00	7,870.75	-182.83	382,530.83	689,555.64	32° 3' 0.78 N	103° 43' 17.488 W
19,750.00	90.00	359.64	11,994.00	7,920.75	-183.15	382,580.82	689,555.32	32° 3' 1.27 N	103° 43' 17.488 W
19,800.00	90.00	359.64	11,994.00	7,970.75	-183.47	382,630.82	689,555.00	32° 3' 1.77 N	103° 43' 17.489 W
19,850.00	90.00	359.64	11,994.00	8,020.75	-183.79	382,680.82	689,554.69	32° 3' 2.26 N	103° 43' 17.489 W
19,900.00	90.00	359.64	11,994.00	8,070.75	-184.11	382,730.81	689,554.37	32° 3' 2.76 N	103° 43' 17.490 W
19,950.00	90.00	359.64	11,994.00	8,120.74	-184.42	382,780.81	689,554.05	32° 3' 3.25 N	103° 43' 17.490 W
20,000.00	90.00	359.64	11,994.00	8,170.74	-184.74	382,830.81	689,553.73	32° 3' 3.75 N	103° 43' 17.491 W
20,050.00	90.00	359.64	11,994.00	8,220.74	-185.06	382,880.80	689,553.41	32° 3' 4.24 N	103° 43' 17.491 W
20,100.00	90.00	359.64	11,994.00	8,270.74	-185.38	382,930.80	689,553.09	32° 3' 4.74 N	103° 43' 17.491 W
20,150.00	90.00	359.64	11,994.00	8,320.74	-185.70	382,980.80	689,552.78	32° 3' 5.23 N	103° 43' 17.492 W
20,200.00	90.00	359.64	11,994.00	8,370.74	-186.02	383,030.79	689,552.46	32° 3' 5.72 N	103° 43' 17.492 W
20,250.00	90.00	359.64	11,994.00	8,420.74	-186.34	383,080.79	689,552.14	32° 3' 6.22 N	103° 43' 17.493 W
20,300.00	90.00	359.64	11,994.00	8,470.74	-186.65	383,130.78	689,551.82	32° 3' 6.71 N	103° 43' 17.493 W
20,350.00	90.00	359.64	11,994.00	8,520.74	-186.97	383,180.78	689,551.50	32° 3' 7.21 N	103° 43' 17.493 W
20,400.00	90.00	359.64	11,994.00	8,570.74	-187.29	383,230.78	689,551.18	32° 3' 7.70 N	103° 43' 17.494 W
20,450.00	90.00	359.64	11,994.00	8,620.73	-187.61	383,280.77	689,550.87	32° 3' 8.20 N	103° 43' 17.494 W
20,500.00	90.00	359.64	11,994.00	8,670.73	-187.93	383,330.77	689,550.55	32° 3' 8.69 N	103° 43' 17.495 W
20,550.00	90.00	359.64	11,994.00	8,720.73	-188.25	383,380.77	689,550.23	32° 3' 9.19 N	103° 43' 17.495 W
20,600.00	90.00	359.64	11,994.00	8,770.73	-188.57	383,430.76	689,549.91	32° 3' 9.68 N	103° 43' 17.495 W
20,650.00	90.00	359.64	11,994.00	8,820.73	-188.88	383,480.76	689,549.59	32° 3' 10.18 N	103° 43' 17.496 W
20,700.00	90.00	359.64	11,994.00	8,870.73	-189.20	383,530.76	689,549.27	32° 3' 10.67 N	103° 43' 17.496 W
20,750.00	90.00	359.64	11,994.00	8,920.73	-189.52	383,580.75	689,548.95	32° 3' 11.17 N	103° 43' 17.497 W
20,800.00	90.00	359.64	11,994.00	8,970.73	-189.84	383,630.75	689,548.64	32° 3' 11.66 N	103° 43' 17.497 W
20,850.00	90.00	359.64	11,994.00	9,020.73	-190.16	383,680.75	689,548.32	32° 3' 12.16 N	103° 43' 17.497 W
20,900.00	90.00	359.64	11,994.00	9,070.73	-190.48	383,730.74	689,548.00	32° 3' 12.65 N	103° 43' 17.498 W
20,950.00	90.00	359.64	11,994.00	9,120.72	-190.79	383,780.74	689,547.68	32° 3' 13.15 N	103° 43' 17.498 W
21,000.00	90.00	359.64	11,994.00	9,170.72	-191.11	383,830.74	689,547.36	32° 3' 13.64 N	103° 43' 17.499 W
21,050.00	90.00	359.64	11,994.00	9,220.72	-191.43	383,880.73	689,547.04	32° 3' 14.14 N	103° 43' 17.499 W
21,100.00	90.00	359.64	11,994.00	9,270.72	-191.75	383,930.73	689,546.73	32° 3' 14.63 N	103° 43' 17.500 W
21,150.00	90.00	359.64	11,994.00	9,320.72	-192.07	383,980.73	689,546.41	32° 3' 15.13 N	103° 43' 17.500 W
21,200.00	90.00	359.64	11,994.00	9,370.72	-192.39	384,030.72	689,546.09	32° 3' 15.62 N	103° 43' 17.500 W
21,250.00	90.00	359.64	11,994.00	9,420.72	-192.71	384,080.72	689,545.77	32° 3' 16.12 N	103° 43' 17.501 W
21,300.00	90.00	359.64	11,994.00	9,470.72	-193.02	384,130.71	689,545.45	32° 3' 16.61 N	103° 43' 17.501 W
21,350.00	90.00	359.64	11,994.00	9,520.72	-193.34	384,180.71	689,545.13	32° 3' 17.10 N	103° 43' 17.502 W
21,400.00	90.00	359.64	11,994.00	9,570.71	-193.66	384,230.71	689,544.81	32° 3' 17.60 N	103° 43' 17.502 W
21,450.00	90.00	359.64	11,994.00	9,620.71	-193.98	384,280.70	689,544.50	32° 3' 18.09 N	103° 43' 17.502 W
21,500.00	90.00	359.64	11,994.00	9,670.71	-194.30	384,330.70	689,544.18	32° 3' 18.59 N	103° 43' 17.503 W
21,550.00	90.00	359.64	11,994.00	9,720.71	-194.62	384,380.70	689,543.86	32° 3' 19.08 N	103° 43' 17.503 W
21,600.00	90.00	359.64	11,994.00	9,770.71	-194.93	384,430.69	689,543.54	32° 3' 19.58 N	103° 43' 17.504 W
21,650.00	90.00	359.64	11,994.00	9,820.71	-195.25	384,480.69	689,543.22	32° 3' 20.07 N	103° 43' 17.504 W
21,700.00	90.00	359.64	11,994.00	9,870.71	-195.57	384,530.69	689,542.90	32° 3' 20.57 N	103° 43' 17.504 W
21,750.00	90.00	359.64	11,994.00	9,920.71	-195.89	384,580.68	689,542.59	32° 3' 21.06 N	103° 43' 17.505 W
21,800.00	90.00	359.64	11,994.00	9,970.71	-196.21	384,630.68	689,542.27	32° 3' 21.56 N	103° 43' 17.505 W
21,850.00	90.00	359.64	11,994.00	10,020.71	-196.53	384,680.68	689,541.95	32° 3' 22.05 N	103° 43' 17.506 W
21,900.00	90.00	359.64	11,994.00	10,070.70	-196.85	384,730.67	689,541.63	32° 3' 22.55 N	103° 43' 17.506 W
21,950.00	90.00	359.64	11,994.00	10,120.70	-197.16	384,780.67	689,541.31	32° 3' 23.04 N	103° 43' 17.506 W
22,000.00	90.00	359.64	11,994.00	10,170.70	-197.48	384,830.67	689,540.99	32° 3' 23.54 N	103° 43' 17.507 W
22,050.00	90.00	359.64	11,994.00	10,220.70	-197.80	384,880.66	689,540.67	32° 3' 24.03 N	103° 43' 17.507 W
22,100.00	90.00	359.64	11,994.00	10,270.70	-198.12	384,930.66	689,540.36	32° 3' 24.53 N	103° 43' 17.508 W
22,150.00	90.00	359.64	11,994.00	10,320.70	-198.44	384,980.66	689,540.04	32° 3' 25.02 N	103° 43' 17.508 W
22,200.00	90.00	359.64	11,994.00	10,370.70	-198.76	385,030.65	689,539.72	32° 3' 25.52 N	103° 43' 17.508 W
22,250.00	90.00	359.64	11,994.00	10,420.70	-199.07	385,080.65	689,539.40	32° 3' 26.01 N	103° 43' 17.509 W
22,269.67	90.00	359.64	11,994.00	10,440.37	-199.20	385,100.32	689,539.28	32° 3' 26.21 N	103° 43' 17.509 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 102H_WP - plan hits target center - Point	0.00	0.00	11,194.00	-135.49	-131.84	374,524.99	689,606.64	32° 1' 41.55 N	103° 43' 17.423 W
ZIA HILLS 19 102H_WP - plan hits target center - Point	0.00	0.00	11,994.00	10,440.37	-199.20	385,100.32	689,539.28	32° 3' 26.21 N	103° 43' 17.509 W

Attachment #2 - Wellbore Schematic



Surface Section (Pre-set):

- Objective: Protect fresh water horizons.
- Drill 14-3/4" hole to +/- 1,170 ft. "Rustler"
- Mud weight: 8.6 – 9.0 ppg FW-Native Mud
- Set 11-3/4" 47# J-55 BTC casing.
- Cement to surface.

Intermediate2 Section:

- Objective: Isolate depleted/weak formations above BS2C-BS3S.
- Drill 10-5/8" hole to +/- 10,410 ft. (30 deg Incl)
- Mud weight: 8.6 – 9.4 ppg OBM
- Set 8-5/8" 32# P-110 BTC casing.
- 2-stage Cement to surface – DV Tool @ 4300 ft

Production Section:

- Objective: Provide zonal isolation of production interval and provide medium for stimulation.
- Drill 7-7/8" hole to +/-22,270 "Production TD"
- Mud Weight: 9.5 – 12.0 ppg OBM
- Set 5-1/2" 20.0# P-110 TXP casing.
- Cement lap 500 ft above previous shoe (near KOP).

CONOCOPHILLIPS COMPANY

Well: ZIA HILLS 19 102H

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	8500.00	0.00	0.00	8500.00	0.00	0.00	0.00	0.00	0.00
3	8718.34	4.37	224.22	8718.13	-5.96	-5.80	2.00	224.22	-5.85
4	0982.65	4.37	224.22	10975.87	-129.53	-126.04	0.00	0.00	-127.10
5	1201.00	0.00	0.00	11194.00	-135.49	-131.84	2.00	180.00	-132.95
6	1284.80	0.00	0.00	11277.80	-135.49	-131.84	0.00	0.00	-132.95
7	2409.80	90.00	359.64	11994.00	580.70	-136.40	8.00	359.64	583.19
8	2269.67	90.00	359.64	11994.00	10440.37	-199.20	0.00	0.00	0442.27

