

B.C. Operating, INC.

Lea County, NM (NAD-27)

Sec 26-T25S-R34E

Dogie Draw 23 Federal 1H

Dogie Draw 23 Federal 1H

Plan: Plan #1

Standard Planning Report

21 April, 2015

HOBBS OCD
MAR 09 2017
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Hawkeye Directional Planning Report

Database: EDM 5000.1 Single User Db
Company: B.C. Operating, INC.
Project: Lea County, NM (NAD-27)
Site: Sec 26-T25S-R34E
Well: Dogie Draw 23 Federal 1H
Wellbore: Dogie Draw 23 Federal 1H
Design: Plan #1

Local Co-ordinate Reference: Well Dogie Draw 23 Federal 1H
TVD Reference: GL 3332' + KB 20' = 3352' @ 3352.00usft
MD Reference: GL 3332' + KB 20' = 3352' @ 3352.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD-27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Sec 26-T25S-R34E		
Site Position:		Northing:	404,125.91 usft
From:	Map	Easting:	774,537.61 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32° 6' 28.636 N
		Longitude:	103° 26' 48.077 W
		Grid Convergence:	0.47 °

Well	Dogie Draw 23 Federal 1H		
Well Position	+N/-S	0.00 usft	Northing: 404,125.91 usft
	+E/-W	0.00 usft	Easting: 774,537.61 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 6' 28.636 N
		Longitude:	103° 26' 48.077 W
		Ground Level:	3,332.00 usft

Wellbore	Dogie Draw 23 Federal 1H		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	04/20/15	7.04
			Dip Angle
			(°)
			60.00
			Field Strength
			(nT)
			48,175

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			359.55

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,677.04	0.00	0.00	11,677.04	0.00	0.00	0.00	0.00	0.00	0.00	
12,577.04	90.00	359.55	12,250.00	572.94	-4.49	10.00	10.00	0.00	359.55	
17,282.04	90.00	359.55	12,250.00	5,277.79	-41.38	0.00	0.00	0.00	0.00	

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GL 3332' + KB 20' = 3352' @ 3352.00usft
Grid
Minimum Curvature

Planned Survey

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

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5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00
10,500.00	0.00	0.00	10,500.00	0.00	0.00	0.00	0.00	0.00	0.00
10,600.00	0.00	0.00	10,600.00	0.00	0.00	0.00	0.00	0.00	0.00
10,700.00	0.00	0.00	10,700.00	0.00	0.00	0.00	0.00	0.00	0.00

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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,800.00	0.00	0.00	10,800.00	0.00	0.00	0.00	0.00	0.00	0.00
10,900.00	0.00	0.00	10,900.00	0.00	0.00	0.00	0.00	0.00	0.00
11,000.00	0.00	0.00	11,000.00	0.00	0.00	0.00	0.00	0.00	0.00
11,100.00	0.00	0.00	11,100.00	0.00	0.00	0.00	0.00	0.00	0.00
11,200.00	0.00	0.00	11,200.00	0.00	0.00	0.00	0.00	0.00	0.00
11,300.00	0.00	0.00	11,300.00	0.00	0.00	0.00	0.00	0.00	0.00
11,400.00	0.00	0.00	11,400.00	0.00	0.00	0.00	0.00	0.00	0.00
11,500.00	0.00	0.00	11,500.00	0.00	0.00	0.00	0.00	0.00	0.00
11,600.00	0.00	0.00	11,600.00	0.00	0.00	0.00	0.00	0.00	0.00
11,677.04	0.00	0.00	11,677.04	0.00	0.00	0.00	0.00	0.00	0.00
Start Build at 11677.04' MD - DLS=10.00°/100'									
11,700.00	2.30	359.55	11,699.99	0.46	0.00	0.46	10.00	10.00	0.00
11,800.00	12.30	359.55	11,799.06	13.14	-0.10	13.14	10.00	10.00	0.00
11,900.00	22.30	359.55	11,894.42	42.83	-0.34	42.84	10.00	10.00	0.00
12,000.00	32.30	359.55	11,983.17	88.63	-0.69	88.64	10.00	10.00	0.00
12,100.00	42.30	359.55	12,062.62	149.15	-1.17	149.15	10.00	10.00	0.00
12,200.00	52.30	359.55	12,130.35	222.54	-1.74	222.54	10.00	10.00	0.00
12,300.00	62.30	359.55	12,184.32	306.58	-2.40	306.59	10.00	10.00	0.00
12,400.00	72.30	359.55	12,222.86	398.71	-3.13	398.72	10.00	10.00	0.00
12,500.00	82.30	359.55	12,244.83	496.13	-3.89	496.15	10.00	10.00	0.00
12,574.07	89.70	359.55	12,249.99	569.97	-4.47	569.99	10.00	10.00	0.00
Dogie Draw 23 Federal 1H / FTP									
12,577.04	90.00	359.55	12,250.00	572.94	-4.49	572.96	10.00	10.00	0.00
End Build at 12577.04' MD - Hold Angle=90.00°									
12,600.00	90.00	359.55	12,250.00	595.90	-4.67	595.92	0.00	0.00	0.00
12,700.00	90.00	359.55	12,250.00	695.89	-5.46	695.92	0.00	0.00	0.00
12,800.00	90.00	359.55	12,250.00	795.89	-6.24	795.92	0.00	0.00	0.00
12,900.00	90.00	359.55	12,250.00	895.89	-7.02	895.92	0.00	0.00	0.00
13,000.00	90.00	359.55	12,250.00	995.88	-7.81	995.92	0.00	0.00	0.00
13,100.00	90.00	359.55	12,250.00	1,095.88	-8.59	1,095.92	0.00	0.00	0.00
13,200.00	90.00	359.55	12,250.00	1,195.88	-9.38	1,195.92	0.00	0.00	0.00
13,300.00	90.00	359.55	12,250.00	1,295.88	-10.16	1,295.92	0.00	0.00	0.00
13,400.00	90.00	359.55	12,250.00	1,395.87	-10.94	1,395.92	0.00	0.00	0.00
13,500.00	90.00	359.55	12,250.00	1,495.87	-11.73	1,495.92	0.00	0.00	0.00
13,600.00	90.00	359.55	12,250.00	1,595.87	-12.51	1,595.92	0.00	0.00	0.00
13,700.00	90.00	359.55	12,250.00	1,695.86	-13.30	1,695.92	0.00	0.00	0.00
13,800.00	90.00	359.55	12,250.00	1,795.86	-14.08	1,795.92	0.00	0.00	0.00
13,900.00	90.00	359.55	12,250.00	1,895.86	-14.86	1,895.92	0.00	0.00	0.00
14,000.00	90.00	359.55	12,250.00	1,995.85	-15.65	1,995.92	0.00	0.00	0.00
14,100.00	90.00	359.55	12,250.00	2,095.85	-16.43	2,095.92	0.00	0.00	0.00
14,200.00	90.00	359.55	12,250.00	2,195.85	-17.22	2,195.92	0.00	0.00	0.00
14,300.00	90.00	359.55	12,250.00	2,295.84	-18.00	2,295.92	0.00	0.00	0.00
14,400.00	90.00	359.55	12,250.00	2,395.84	-18.78	2,395.92	0.00	0.00	0.00
14,500.00	90.00	359.55	12,250.00	2,495.84	-19.57	2,495.92	0.00	0.00	0.00
14,600.00	90.00	359.55	12,250.00	2,595.84	-20.35	2,595.92	0.00	0.00	0.00
14,700.00	90.00	359.55	12,250.00	2,695.83	-21.14	2,695.92	0.00	0.00	0.00
14,800.00	90.00	359.55	12,250.00	2,795.83	-21.92	2,795.92	0.00	0.00	0.00
14,900.00	90.00	359.55	12,250.00	2,895.83	-22.70	2,895.92	0.00	0.00	0.00
15,000.00	90.00	359.55	12,250.00	2,995.82	-23.49	2,995.92	0.00	0.00	0.00
15,100.00	90.00	359.55	12,250.00	3,095.82	-24.27	3,095.92	0.00	0.00	0.00
15,200.00	90.00	359.55	12,250.00	3,195.82	-25.06	3,195.92	0.00	0.00	0.00
15,300.00	90.00	359.55	12,250.00	3,295.81	-25.84	3,295.92	0.00	0.00	0.00
15,400.00	90.00	359.55	12,250.00	3,395.81	-26.62	3,395.92	0.00	0.00	0.00

Hawkeye Directional Planning Report

Database: EDM 5000.1 Single User Db
Company: B.C. Operating, INC.
Project: Lea County, NM (NAD-27)
Site: Sec 26-T25S-R34E
Well: Dogie Draw 23 Federal 1H
Wellbore: Dogie Draw 23 Federal 1H
Design: Plan #1

Local Co-ordinate Reference: Well Dogie Draw 23 Federal 1H
TVD Reference: GL 3332' + KB 20' = 3352' @ 3352.00usft
MD Reference: GL 3332' + KB 20' = 3352' @ 3352.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

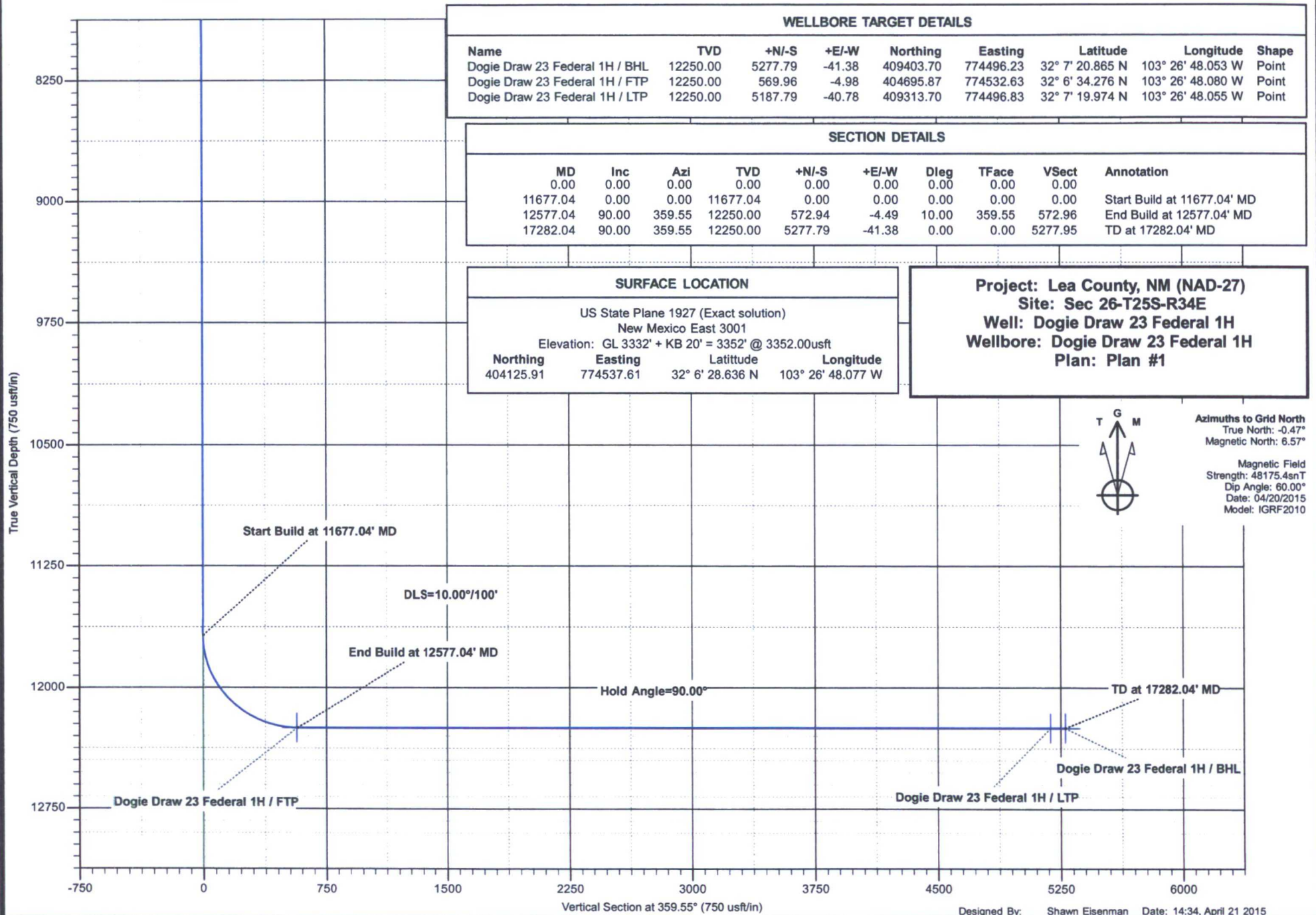
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
15,500.00	90.00	359.55	12,250.00	3,495.81	-27.41	3,495.92	0.00	0.00	0.00
15,600.00	90.00	359.55	12,250.00	3,595.80	-28.19	3,595.92	0.00	0.00	0.00
15,700.00	90.00	359.55	12,250.00	3,695.80	-28.98	3,695.92	0.00	0.00	0.00
15,800.00	90.00	359.55	12,250.00	3,795.80	-29.76	3,795.92	0.00	0.00	0.00
15,900.00	90.00	359.55	12,250.00	3,895.80	-30.54	3,895.92	0.00	0.00	0.00
16,000.00	90.00	359.55	12,250.00	3,995.79	-31.33	3,995.92	0.00	0.00	0.00
16,100.00	90.00	359.55	12,250.00	4,095.79	-32.11	4,095.92	0.00	0.00	0.00
16,200.00	90.00	359.55	12,250.00	4,195.79	-32.90	4,195.92	0.00	0.00	0.00
16,300.00	90.00	359.55	12,250.00	4,295.78	-33.68	4,295.92	0.00	0.00	0.00
16,400.00	90.00	359.55	12,250.00	4,395.78	-34.46	4,395.92	0.00	0.00	0.00
16,500.00	90.00	359.55	12,250.00	4,495.78	-35.25	4,495.92	0.00	0.00	0.00
16,600.00	90.00	359.55	12,250.00	4,595.77	-36.03	4,595.92	0.00	0.00	0.00
16,700.00	90.00	359.55	12,250.00	4,695.77	-36.82	4,695.92	0.00	0.00	0.00
16,800.00	90.00	359.55	12,250.00	4,795.77	-37.60	4,795.92	0.00	0.00	0.00
16,900.00	90.00	359.55	12,250.00	4,895.76	-38.38	4,895.92	0.00	0.00	0.00
17,000.00	90.00	359.55	12,250.00	4,995.76	-39.17	4,995.92	0.00	0.00	0.00
17,100.00	90.00	359.55	12,250.00	5,095.76	-39.95	5,095.92	0.00	0.00	0.00
17,192.04	90.00	359.55	12,250.00	5,187.79	-40.67	5,187.95	0.00	0.00	0.00
Dogie Draw 23 Federal 1H / LTP									
17,200.00	90.00	359.55	12,250.00	5,195.76	-40.74	5,195.92	0.00	0.00	0.00
17,282.04	90.00	359.55	12,250.00	5,277.79	-41.38	5,277.95	0.00	0.00	0.00
TD at 17282.04' MD - Dogie Draw 23 Federal 1H / BHL									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Dogie Draw 23 Federal	0.00	0.00	12,250.00	5,187.79	-40.78	409,313.70	774,496.83	32° 7' 19.974 N	103° 26' 48.055 W
- plan misses target center by 0.11usft at 17192.04usft MD (12250.00 TVD, 5187.79 N, -40.67 E)									
- Point									
Dogie Draw 23 Federal	0.00	0.00	12,250.00	5,277.79	-41.38	409,403.70	774,496.23	32° 7' 20.865 N	103° 26' 48.053 W
- plan hits target center									
- Point									
Dogie Draw 23 Federal	0.00	0.00	12,250.00	569.96	-4.98	404,695.87	774,532.63	32° 6' 34.276 N	103° 26' 48.080 W
- plan misses target center by 0.51usft at 12574.07usft MD (12249.99 TVD, 569.96 N, -4.47 E)									
- Point									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,677.04	11,677.04	0.00	0.00	Start Build at 11677.04' MD
11,677.04	11,677.04	0.00	0.00	DLS=10.00°/100'
12,577.04	12,250.00	572.94	-4.49	End Build at 12577.04' MD
12,577.04	12,250.00	572.94	-4.49	Hold Angle=90.00°
17,282.04	12,250.00	5,277.79	-41.38	TD at 17282.04' MD



Project: Lea County, NM (NAD-27)
 Site: Sec 26-T25S-R34E
 Well: Dogie Draw 23 Federal 1H
 Wellbore: Dogie Draw 23 Federal 1H
 Plan: Plan #1

SURFACE LOCATION

US State Plane 1927 (Exact solution)
 New Mexico East 3001
 Elevation: GL 3332' + KB 20' = 3352' @ 3352.00usft
 Northing 404125.91 Easting 774537.61 Latitude 32° 6' 28.636 N Longitude 103° 26' 48.077 W

