

BTA Oil Producers, LLC

Lea County, NM

Mesa Sec 1 & 12, T26S, R32E

Mesa #29H

Wellbore #1

Plan: Design #1

Standard Planning Report

17 March, 2015

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BTA Planning Report

Database: EDM 5000.1 Single User Db
Company: BTA Oil Producers, LLC
Project: Lea County, NM
Site: Mesa Sec 1 & 12, T26S, R32E
Well: Mesa #29H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Mesa #29H
TVD Reference: GL @ 3332.0usft (Original Well Elev)
MD Reference: GL @ 3332.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, NM, Lea County, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		Using geodetic scale factor

Site		Mesa Sec 1 & 12, T26S, R32E			
Site Position:		Northing:	388,357.80 usft	Latitude:	32° 3' 56.723 N
From:	Map	Easting:	718,031.00 usft	Longitude:	103° 37' 46.202 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.37 °

Well	Mesa #29H					
Well Position	+N/-S	4,699.0 usft	Northing:	393,056.60 usft	Latitude:	32° 4' 43.318 N
	+E/-W	-1,497.3 usft	Easting:	716,533.80 usft	Longitude:	103° 38' 3.246 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,332.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.77	60.09	48,699

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	181.49	

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth (usft)	(°)	(°)	Depth (usft)	(usft)	(usft)	Rate (°/100usft)	Rate (°/100usft)	Rate (°/100usft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	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 (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

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5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,947.0	0.00	0.00	8,947.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	5.30	181.49	8,999.9	-2.4	-0.1	2.4	10.00	10.00	0.00
9,100.0	15.30	181.49	9,098.2	-20.3	-0.5	20.3	10.00	10.00	0.00
9,200.0	25.30	181.49	9,191.9	-54.9	-1.4	54.9	10.00	10.00	0.00
9,300.0	35.30	181.49	9,278.1	-105.3	-2.7	105.3	10.00	10.00	0.00
9,400.0	45.30	181.49	9,354.3	-169.9	-4.4	169.9	10.00	10.00	0.00
9,500.0	55.30	181.49	9,418.1	-246.7	-6.4	246.7	10.00	10.00	0.00
9,600.0	65.30	181.49	9,467.6	-333.4	-8.7	333.5	10.00	10.00	0.00
9,700.0	75.30	181.49	9,501.2	-427.4	-11.2	427.5	10.00	10.00	0.00
9,800.0	85.30	181.49	9,518.1	-525.8	-13.7	526.0	10.00	10.00	0.00
9,847.0	90.00	181.49	9,520.0	-572.8	-14.9	573.0	10.00	10.00	0.00
9,900.0	90.00	181.49	9,520.0	-625.7	-16.3	625.9	0.00	0.00	0.00
10,000.0	90.00	181.49	9,520.0	-725.7	-18.9	725.9	0.00	0.00	0.00
10,100.0	90.00	181.49	9,520.0	-825.6	-21.5	825.9	0.00	0.00	0.00
10,200.0	90.00	181.49	9,520.0	-925.6	-24.2	925.9	0.00	0.00	0.00
10,300.0	90.00	181.49	9,520.0	-1,025.6	-26.8	1,025.9	0.00	0.00	0.00
10,400.0	90.00	181.49	9,520.0	-1,125.5	-29.4	1,125.9	0.00	0.00	0.00
10,500.0	90.00	181.49	9,520.0	-1,225.5	-32.0	1,225.9	0.00	0.00	0.00

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10,600.0	90.00	181.49	9,520.0	-1,325.5	-34.6	1,325.9	0.00	0.00	0.00
10,700.0	90.00	181.49	9,520.0	-1,425.4	-37.2	1,425.9	0.00	0.00	0.00
10,800.0	90.00	181.49	9,520.0	-1,525.4	-39.8	1,525.9	0.00	0.00	0.00
10,900.0	90.00	181.49	9,520.0	-1,625.4	-42.4	1,625.9	0.00	0.00	0.00
11,000.0	90.00	181.49	9,520.0	-1,725.3	-45.0	1,725.9	0.00	0.00	0.00
11,100.0	90.00	181.49	9,520.0	-1,825.3	-47.6	1,825.9	0.00	0.00	0.00
11,200.0	90.00	181.49	9,520.0	-1,925.3	-50.2	1,925.9	0.00	0.00	0.00
11,300.0	90.00	181.49	9,520.0	-2,025.2	-52.8	2,025.9	0.00	0.00	0.00
11,400.0	90.00	181.49	9,520.0	-2,125.2	-55.5	2,125.9	0.00	0.00	0.00
11,500.0	90.00	181.49	9,520.0	-2,225.2	-58.1	2,225.9	0.00	0.00	0.00
11,600.0	90.00	181.49	9,520.0	-2,325.1	-60.7	2,325.9	0.00	0.00	0.00
11,700.0	90.00	181.49	9,520.0	-2,425.1	-63.3	2,425.9	0.00	0.00	0.00
11,800.0	90.00	181.49	9,520.0	-2,525.1	-65.9	2,525.9	0.00	0.00	0.00
11,900.0	90.00	181.49	9,520.0	-2,625.0	-68.5	2,625.9	0.00	0.00	0.00
12,000.0	90.00	181.49	9,520.0	-2,725.0	-71.1	2,725.9	0.00	0.00	0.00
12,100.0	90.00	181.49	9,520.0	-2,825.0	-73.7	2,825.9	0.00	0.00	0.00
12,200.0	90.00	181.49	9,520.0	-2,924.9	-76.3	2,925.9	0.00	0.00	0.00
12,300.0	90.00	181.49	9,520.0	-3,024.9	-78.9	3,025.9	0.00	0.00	0.00
12,400.0	90.00	181.49	9,520.0	-3,124.9	-81.5	3,125.9	0.00	0.00	0.00
12,500.0	90.00	181.49	9,520.0	-3,224.8	-84.1	3,225.9	0.00	0.00	0.00
12,600.0	90.00	181.49	9,520.0	-3,324.8	-86.8	3,325.9	0.00	0.00	0.00
12,700.0	90.00	181.49	9,520.0	-3,424.7	-89.4	3,425.9	0.00	0.00	0.00
12,800.0	90.00	181.49	9,520.0	-3,524.7	-92.0	3,525.9	0.00	0.00	0.00
12,900.0	90.00	181.49	9,520.0	-3,624.7	-94.6	3,625.9	0.00	0.00	0.00
13,000.0	90.00	181.49	9,520.0	-3,724.6	-97.2	3,725.9	0.00	0.00	0.00
13,100.0	90.00	181.49	9,520.0	-3,824.6	-99.8	3,825.9	0.00	0.00	0.00
13,200.0	90.00	181.49	9,520.0	-3,924.6	-102.4	3,925.9	0.00	0.00	0.00
13,300.0	90.00	181.49	9,520.0	-4,024.5	-105.0	4,025.9	0.00	0.00	0.00
13,400.0	90.00	181.49	9,520.0	-4,124.5	-107.6	4,125.9	0.00	0.00	0.00
13,500.0	90.00	181.49	9,520.0	-4,224.5	-110.2	4,225.9	0.00	0.00	0.00
13,600.0	90.00	181.49	9,520.0	-4,324.4	-112.8	4,325.9	0.00	0.00	0.00
13,700.0	90.00	181.49	9,520.0	-4,424.4	-115.4	4,425.9	0.00	0.00	0.00
13,800.0	90.00	181.49	9,520.0	-4,524.4	-118.1	4,525.9	0.00	0.00	0.00
13,900.0	90.00	181.49	9,520.0	-4,624.3	-120.7	4,625.9	0.00	0.00	0.00
14,000.0	90.00	181.49	9,520.0	-4,724.3	-123.3	4,725.9	0.00	0.00	0.00
14,100.0	90.00	181.49	9,520.0	-4,824.3	-125.9	4,825.9	0.00	0.00	0.00
14,200.0	90.00	181.49	9,520.0	-4,924.2	-128.5	4,925.9	0.00	0.00	0.00
14,300.0	90.00	181.49	9,520.0	-5,024.2	-131.1	5,025.9	0.00	0.00	0.00
14,400.0	90.00	181.49	9,520.0	-5,124.2	-133.7	5,125.9	0.00	0.00	0.00
14,500.0	90.00	181.49	9,520.0	-5,224.1	-136.3	5,225.9	0.00	0.00	0.00
14,600.0	90.00	181.49	9,520.0	-5,324.1	-138.9	5,325.9	0.00	0.00	0.00
14,700.0	90.00	181.49	9,520.0	-5,424.1	-141.5	5,425.9	0.00	0.00	0.00
14,800.0	90.00	181.49	9,520.0	-5,524.0	-144.1	5,525.9	0.00	0.00	0.00
14,900.0	90.00	181.49	9,520.0	-5,624.0	-146.7	5,625.9	0.00	0.00	0.00
15,000.0	90.00	181.49	9,520.0	-5,724.0	-149.4	5,725.9	0.00	0.00	0.00
15,100.0	90.00	181.49	9,520.0	-5,823.9	-152.0	5,825.9	0.00	0.00	0.00
15,200.0	90.00	181.49	9,520.0	-5,923.9	-154.6	5,925.9	0.00	0.00	0.00
15,300.0	90.00	181.49	9,520.0	-6,023.9	-157.2	6,025.9	0.00	0.00	0.00
15,400.0	90.00	181.49	9,520.0	-6,123.8	-159.8	6,125.9	0.00	0.00	0.00
15,500.0	90.00	181.49	9,520.0	-6,223.8	-162.4	6,225.9	0.00	0.00	0.00
15,600.0	90.00	181.49	9,520.0	-6,323.8	-165.0	6,325.9	0.00	0.00	0.00
15,700.0	90.00	181.49	9,520.0	-6,423.7	-167.6	6,425.9	0.00	0.00	0.00
15,800.0	90.00	181.49	9,520.0	-6,523.7	-170.2	6,525.9	0.00	0.00	0.00
15,900.0	90.00	181.49	9,520.0	-6,623.7	-172.8	6,625.9	0.00	0.00	0.00

BTA Planning Report

Database: EDM 5000.1 Single User Db
 Company: BTA Oil Producers, LLC
 Project: Lea County, NM
 Site: Mesa Sec 1 & 12, T26S, R32E
 Well: Mesa #29H
 Wellbore: Wellbore #1
 Design: Design #1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well Mesa #29H
 GL @ 3332.0usft (Original Well Elev)
 GL @ 3332.0usft (Original Well Elev)
 Grid
 Minimum Curvature

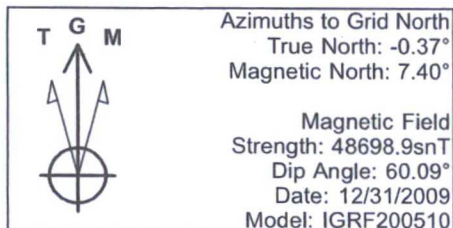
Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,000.0	90.00	181.49	9,520.0	-6,723.6	-175.4	6,725.9	0.00	0.00	0.00
16,100.0	90.00	181.49	9,520.0	-6,823.6	-178.0	6,825.9	0.00	0.00	0.00
16,200.0	90.00	181.49	9,520.0	-6,923.6	-180.7	6,925.9	0.00	0.00	0.00
16,300.0	90.00	181.49	9,520.0	-7,023.5	-183.3	7,025.9	0.00	0.00	0.00
16,400.0	90.00	181.49	9,520.0	-7,123.5	-185.9	7,125.9	0.00	0.00	0.00
16,500.0	90.00	181.49	9,520.0	-7,223.5	-188.5	7,225.9	0.00	0.00	0.00
16,600.0	90.00	181.49	9,520.0	-7,323.4	-191.1	7,325.9	0.00	0.00	0.00
16,700.0	90.00	181.49	9,520.0	-7,423.4	-193.7	7,425.9	0.00	0.00	0.00
16,800.0	90.00	181.49	9,520.0	-7,523.4	-196.3	7,525.9	0.00	0.00	0.00
16,900.0	90.00	181.49	9,520.0	-7,623.3	-198.9	7,625.9	0.00	0.00	0.00
17,000.0	90.00	181.49	9,520.0	-7,723.3	-201.5	7,725.9	0.00	0.00	0.00
17,100.0	90.00	181.49	9,520.0	-7,823.3	-204.1	7,825.9	0.00	0.00	0.00
17,200.0	90.00	181.49	9,520.0	-7,923.2	-206.7	7,925.9	0.00	0.00	0.00
17,300.0	90.00	181.49	9,520.0	-8,023.2	-209.3	8,025.9	0.00	0.00	0.00
17,400.0	90.00	181.49	9,520.0	-8,123.2	-212.0	8,125.9	0.00	0.00	0.00
17,500.0	90.00	181.49	9,520.0	-8,223.1	-214.6	8,225.9	0.00	0.00	0.00
17,600.0	90.00	181.49	9,520.0	-8,323.1	-217.2	8,325.9	0.00	0.00	0.00
17,700.0	90.00	181.49	9,520.0	-8,423.0	-219.8	8,425.9	0.00	0.00	0.00
17,800.0	90.00	181.49	9,520.0	-8,523.0	-222.4	8,525.9	0.00	0.00	0.00
17,900.0	90.00	181.49	9,520.0	-8,623.0	-225.0	8,625.9	0.00	0.00	0.00
18,000.0	90.00	181.49	9,520.0	-8,722.9	-227.6	8,725.9	0.00	0.00	0.00
18,100.0	90.00	181.49	9,520.0	-8,822.9	-230.2	8,825.9	0.00	0.00	0.00
18,200.0	90.00	181.49	9,520.0	-8,922.9	-232.8	8,925.9	0.00	0.00	0.00
18,300.0	90.00	181.49	9,520.0	-9,022.8	-235.4	9,025.9	0.00	0.00	0.00
18,400.0	90.00	181.49	9,520.0	-9,122.8	-238.0	9,125.9	0.00	0.00	0.00
18,500.0	90.00	181.49	9,520.0	-9,222.8	-240.6	9,225.9	0.00	0.00	0.00
18,600.0	90.00	181.49	9,520.0	-9,322.7	-243.3	9,325.9	0.00	0.00	0.00
18,700.0	90.00	181.49	9,520.0	-9,422.7	-245.9	9,425.9	0.00	0.00	0.00
18,800.0	90.00	181.49	9,520.0	-9,522.7	-248.5	9,525.9	0.00	0.00	0.00
18,900.0	90.00	181.49	9,520.0	-9,622.6	-251.1	9,625.9	0.00	0.00	0.00
19,000.0	90.00	181.49	9,520.0	-9,722.6	-253.7	9,725.9	0.00	0.00	0.00
19,100.0	90.00	181.49	9,520.0	-9,822.6	-256.3	9,825.9	0.00	0.00	0.00
19,200.0	90.00	181.49	9,520.0	-9,922.5	-258.9	9,925.9	0.00	0.00	0.00
19,300.0	90.00	181.49	9,520.0	-10,022.5	-261.5	10,025.9	0.00	0.00	0.00
19,400.0	90.00	181.49	9,520.0	-10,122.5	-264.1	10,125.9	0.00	0.00	0.00
19,422.5	90.00	181.49	9,520.0	-10,145.0	-264.7	10,148.4	0.00	0.00	0.00

Mesa #29H 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									
Mesa #29H BHL	0.00	0.00	9,520.0	-10,145.0	-264.7	382,912.00	716,269.10	32° 3' 2.945 N	103° 38' 7.085 W
- plan hits target center									
- Point									



WELL DETAILS: Mesa #29H					
Ground Level: 3332.0		Latitude		Longitude	
+N/-S	+E/-W	Northing	Easting	32° 4' 43.318 N	103° 38' 3.246 W
0.0	0.0	393056.60	716533.80		

SITE DETAILS: Mesa Sec 1 & 12, T26S, R32E
Site Centre Northing: 388357.80 Easting: 718031.00
Positional Uncertainty: 0.0 Convergence: 0.37 Local North: Grid

BTA Oil Producers, LLC

PROJECT DETAILS: Lea County, NM
Geodetic System: US State Plane 1927 (Exact solution) Datum: NAD 1927 (NADCON CONUS) Ellipsoid: Clarke 1866 Zone: New Mexico East 3001
System Datum: Ground Level

CASING DETAILS

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
8947.0	0.00	0.00	8947.0	0.0	0.0	0.00	0.00	0.0	
9847.0	90.00	181.49	9520.0	-572.8	-14.9	10.00	181.49	573.0	
19422.5	90.00	181.49	9520.0	-10145.0	-264.7	0.00	0.00	10148.4	Mesa #29H BHL

