



Ameredev Operating, LLC

Lea County, NM (NAD83 NME)
(Camellia) Sec16_T-26-S_R-26-E
Camellia Fed Com 26-36-16 #101H

OWB

Plan: Plan #1

Standard Planning Report

27 February, 2018



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Camellia Fed Com 26-36-16 #101H
Company:	Ameredev Operating, LLC	TVD Reference:	KB @ 2965.0usft (H&P 616)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	KB @ 2965.0usft (H&P 616)
Site:	(Camellia) Sec16_T-26-S_R-26-E	North Reference:	Grid
Well:	Camellia Fed Com 26-36-16 #101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

Project	Lea County, NM (NAD83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	(Camellia) Sec16_T-26-S_R-26-E		
Site Position:		Northing:	378,657.00 usft
From:	Map	Easting:	868,550.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 11.799 N
		Longitude:	103° 16' 38.550 W
		Grid Convergence:	0.56 °

Well	Camellia Fed Com 26-36-16 #101H		
Well Position	+N/-S	0.0 usft	Northing: 378,657.00 usft
	+E/-W	0.0 usft	Easting: 868,550.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 2' 11.799 N
		Longitude:	103° 16' 38.550 W
		Ground Level:	2,938.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	02/26/18	6.73	59.93	47,789

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.42

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,310.3	3.10	179.24	3,310.2	-8.4	0.1	1.00	1.00	0.00	179.24	
5,848.8	3.10	179.24	5,844.9	-145.8	1.9	0.00	0.00	0.00	0.00	
6,003.9	0.00	0.00	6,000.0	-150.0	2.0	2.00	-2.00	0.00	180.00	
11,580.9	0.00	0.00	11,577.0	-150.0	2.0	0.00	0.00	0.00	0.00	
12,480.9	90.00	359.42	12,150.0	422.9	-3.8	10.00	10.00	-0.06	359.42	
16,928.3	90.00	359.42	12,150.0	4,870.0	-49.0	0.00	0.00	0.00	0.00	PBHL (Camellia Fe

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Well:	Camellia Fed Com 26-36-16 #101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

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)
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
NUDGE - Build 1.00									
3,100.0	1.00	179.24	3,100.0	-0.9	0.0	-0.9	1.00	1.00	0.00
3,200.0	2.00	179.24	3,200.0	-3.5	0.0	-3.5	1.00	1.00	0.00
3,300.0	3.00	179.24	3,299.9	-7.9	0.1	-7.9	1.00	1.00	0.00
3,310.3	3.10	179.24	3,310.2	-8.4	0.1	-8.4	1.00	1.00	0.00
HOLD - 2538.5 at 3310.3 MD									
3,400.0	3.10	179.24	3,399.7	-13.3	0.2	-13.3	0.00	0.00	0.00
3,500.0	3.10	179.24	3,499.6	-18.7	0.2	-18.7	0.00	0.00	0.00
3,600.0	3.10	179.24	3,599.4	-24.1	0.3	-24.1	0.00	0.00	0.00
3,700.0	3.10	179.24	3,699.3	-29.5	0.4	-29.5	0.00	0.00	0.00
3,800.0	3.10	179.24	3,799.1	-34.9	0.5	-34.9	0.00	0.00	0.00
3,900.0	3.10	179.24	3,899.0	-40.3	0.5	-40.3	0.00	0.00	0.00
4,000.0	3.10	179.24	3,998.8	-45.7	0.6	-45.7	0.00	0.00	0.00
4,100.0	3.10	179.24	4,098.7	-51.1	0.7	-51.1	0.00	0.00	0.00
4,200.0	3.10	179.24	4,198.5	-56.6	0.8	-56.6	0.00	0.00	0.00
4,300.0	3.10	179.24	4,298.4	-62.0	0.8	-62.0	0.00	0.00	0.00
4,400.0	3.10	179.24	4,398.3	-67.4	0.9	-67.4	0.00	0.00	0.00
4,500.0	3.10	179.24	4,498.1	-72.8	1.0	-72.8	0.00	0.00	0.00
4,600.0	3.10	179.24	4,598.0	-78.2	1.0	-78.2	0.00	0.00	0.00
4,700.0	3.10	179.24	4,697.8	-83.6	1.1	-83.6	0.00	0.00	0.00
4,800.0	3.10	179.24	4,797.7	-89.0	1.2	-89.0	0.00	0.00	0.00
4,900.0	3.10	179.24	4,897.5	-94.4	1.3	-94.5	0.00	0.00	0.00
5,000.0	3.10	179.24	4,997.4	-99.9	1.3	-99.9	0.00	0.00	0.00

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Wellbore:	OWB		
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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)
5,100.0	3.10	179.24	5,097.2	-105.3	1.4	-105.3	0.00	0.00	0.00
5,200.0	3.10	179.24	5,197.1	-110.7	1.5	-110.7	0.00	0.00	0.00
5,300.0	3.10	179.24	5,296.9	-116.1	1.5	-116.1	0.00	0.00	0.00
5,400.0	3.10	179.24	5,396.8	-121.5	1.6	-121.5	0.00	0.00	0.00
5,500.0	3.10	179.24	5,496.6	-126.9	1.7	-126.9	0.00	0.00	0.00
5,600.0	3.10	179.24	5,596.5	-132.3	1.8	-132.3	0.00	0.00	0.00
5,700.0	3.10	179.24	5,696.3	-137.7	1.8	-137.8	0.00	0.00	0.00
5,800.0	3.10	179.24	5,796.2	-143.2	1.9	-143.2	0.00	0.00	0.00
5,848.8	3.10	179.24	5,844.9	-145.8	1.9	-145.8	0.00	0.00	0.00
DROP - -2.00									
5,900.0	2.08	179.24	5,896.1	-148.1	2.0	-148.1	2.00	-2.00	0.00
6,003.9	0.00	0.00	6,000.0	-150.0	2.0	-150.0	2.00	-2.00	-172.43
HOLD - 5577.0 at 6003.9 MD									
6,100.0	0.00	0.00	6,096.1	-150.0	2.0	-150.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,196.1	-150.0	2.0	-150.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,296.1	-150.0	2.0	-150.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,396.1	-150.0	2.0	-150.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,496.1	-150.0	2.0	-150.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,596.1	-150.0	2.0	-150.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,696.1	-150.0	2.0	-150.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,796.1	-150.0	2.0	-150.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,896.1	-150.0	2.0	-150.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,996.1	-150.0	2.0	-150.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,096.1	-150.0	2.0	-150.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,196.1	-150.0	2.0	-150.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,296.1	-150.0	2.0	-150.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,396.1	-150.0	2.0	-150.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,496.1	-150.0	2.0	-150.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,596.1	-150.0	2.0	-150.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,696.1	-150.0	2.0	-150.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,796.1	-150.0	2.0	-150.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,896.1	-150.0	2.0	-150.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,996.1	-150.0	2.0	-150.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,096.1	-150.0	2.0	-150.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,196.1	-150.0	2.0	-150.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,296.1	-150.0	2.0	-150.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,396.1	-150.0	2.0	-150.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,496.1	-150.0	2.0	-150.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,596.1	-150.0	2.0	-150.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,696.1	-150.0	2.0	-150.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,796.1	-150.0	2.0	-150.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,896.1	-150.0	2.0	-150.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,996.1	-150.0	2.0	-150.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,096.1	-150.0	2.0	-150.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,196.1	-150.0	2.0	-150.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,296.1	-150.0	2.0	-150.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,396.1	-150.0	2.0	-150.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,496.1	-150.0	2.0	-150.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,596.1	-150.0	2.0	-150.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,696.1	-150.0	2.0	-150.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,796.1	-150.0	2.0	-150.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,896.1	-150.0	2.0	-150.0	0.00	0.00	0.00
10,000.0	0.00	0.00	9,996.1	-150.0	2.0	-150.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,096.1	-150.0	2.0	-150.0	0.00	0.00	0.00

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Wellbore:	OWB		
Design:	Plan #1		

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)
10,200.0	0.00	0.00	10,196.1	-150.0	2.0	-150.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,296.1	-150.0	2.0	-150.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,396.1	-150.0	2.0	-150.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,496.1	-150.0	2.0	-150.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,596.1	-150.0	2.0	-150.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,696.1	-150.0	2.0	-150.0	0.00	0.00	0.00
10,800.0	0.00	0.00	10,796.1	-150.0	2.0	-150.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,896.1	-150.0	2.0	-150.0	0.00	0.00	0.00
11,000.0	0.00	0.00	10,996.1	-150.0	2.0	-150.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,096.1	-150.0	2.0	-150.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,196.1	-150.0	2.0	-150.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,296.1	-150.0	2.0	-150.0	0.00	0.00	0.00
11,400.0	0.00	0.00	11,396.1	-150.0	2.0	-150.0	0.00	0.00	0.00
11,500.0	0.00	0.00	11,496.1	-150.0	2.0	-150.0	0.00	0.00	0.00
11,580.9	0.00	0.00	11,577.0	-150.0	2.0	-150.0	0.00	0.00	0.00
KOP - DLS 10.00 TFO 359.42									
11,600.0	1.91	359.42	11,596.0	-149.7	2.0	-149.7	10.00	10.00	0.00
11,650.0	6.91	359.42	11,645.9	-145.8	2.0	-145.9	10.00	10.00	0.00
11,700.0	11.91	359.42	11,695.2	-137.7	1.9	-137.7	10.00	10.00	0.00
11,750.0	16.91	359.42	11,743.6	-125.2	1.7	-125.3	10.00	10.00	0.00
11,800.0	21.91	359.42	11,790.8	-108.6	1.6	-108.6	10.00	10.00	0.00
11,850.0	26.91	359.42	11,836.3	-88.0	1.4	-88.0	10.00	10.00	0.00
11,900.0	31.91	359.42	11,879.8	-63.4	1.1	-63.5	10.00	10.00	0.00
11,950.0	36.91	359.42	11,921.1	-35.2	0.8	-35.2	10.00	10.00	0.00
12,000.0	41.91	359.42	11,959.7	-3.5	0.5	-3.5	10.00	10.00	0.00
12,050.0	46.91	359.42	11,995.4	31.5	0.2	31.5	10.00	10.00	0.00
12,100.0	51.91	359.42	12,027.9	69.5	-0.2	69.4	10.00	10.00	0.00
12,150.0	56.91	359.42	12,057.0	110.1	-0.6	110.1	10.00	10.00	0.00
12,200.0	61.91	359.42	12,082.4	153.1	-1.1	153.1	10.00	10.00	0.00
12,250.0	66.91	359.42	12,104.0	198.2	-1.5	198.2	10.00	10.00	0.00
12,300.0	71.91	359.42	12,121.6	245.0	-2.0	245.0	10.00	10.00	0.00
12,350.0	76.91	359.42	12,135.1	293.1	-2.5	293.1	10.00	10.00	0.00
12,400.0	81.91	359.42	12,144.2	342.3	-3.0	342.3	10.00	10.00	0.00
12,450.0	86.91	359.42	12,149.1	392.0	-3.5	392.0	10.00	10.00	0.00
12,480.9	90.00	359.42	12,150.0	422.9	-3.8	422.9	10.00	10.00	0.00
EOC - 4447.3 hold at 12480.9 MD									
12,500.0	90.00	359.42	12,150.0	442.0	-4.0	442.0	0.00	0.00	0.00
12,600.0	90.00	359.42	12,150.0	542.0	-5.0	542.0	0.00	0.00	0.00
12,700.0	90.00	359.42	12,150.0	642.0	-6.0	642.0	0.00	0.00	0.00
12,800.0	90.00	359.42	12,150.0	742.0	-7.1	742.0	0.00	0.00	0.00
12,900.0	90.00	359.42	12,150.0	842.0	-8.1	842.0	0.00	0.00	0.00
13,000.0	90.00	359.42	12,150.0	942.0	-9.1	942.0	0.00	0.00	0.00
13,100.0	90.00	359.42	12,150.0	1,041.9	-10.1	1,042.0	0.00	0.00	0.00
13,200.0	90.00	359.42	12,150.0	1,141.9	-11.1	1,142.0	0.00	0.00	0.00
13,300.0	90.00	359.42	12,150.0	1,241.9	-12.1	1,242.0	0.00	0.00	0.00
13,400.0	90.00	359.42	12,150.0	1,341.9	-13.2	1,342.0	0.00	0.00	0.00
13,500.0	90.00	359.42	12,150.0	1,441.9	-14.2	1,442.0	0.00	0.00	0.00
13,600.0	90.00	359.42	12,150.0	1,541.9	-15.2	1,542.0	0.00	0.00	0.00
13,700.0	90.00	359.42	12,150.0	1,641.9	-16.2	1,642.0	0.00	0.00	0.00
13,800.0	90.00	359.42	12,150.0	1,741.9	-17.2	1,742.0	0.00	0.00	0.00
13,900.0	90.00	359.42	12,150.0	1,841.9	-18.2	1,842.0	0.00	0.00	0.00
14,000.0	90.00	359.42	12,150.0	1,941.9	-19.3	1,942.0	0.00	0.00	0.00
14,100.0	90.00	359.42	12,150.0	2,041.9	-20.3	2,042.0	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Camellia Fed Com 26-36-16 #101H
Company:	Ameredev Operating, LLC	TVD Reference:	KB @ 2965.0usft (H&P 616)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	KB @ 2965.0usft (H&P 616)
Site:	(Camellia) Sec16_T-26-S_R-26-E	North Reference:	Grid
Well:	Camellia Fed Com 26-36-16 #101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

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)
14,200.0	90.00	359.42	12,150.0	2,141.9	-21.3	2,142.0	0.00	0.00	0.00
14,300.0	90.00	359.42	12,150.0	2,241.9	-22.3	2,242.0	0.00	0.00	0.00
14,400.0	90.00	359.42	12,150.0	2,341.9	-23.3	2,342.0	0.00	0.00	0.00
14,500.0	90.00	359.42	12,150.0	2,441.9	-24.3	2,442.0	0.00	0.00	0.00
14,600.0	90.00	359.42	12,150.0	2,541.9	-25.3	2,542.0	0.00	0.00	0.00
14,700.0	90.00	359.42	12,150.0	2,641.9	-26.4	2,642.0	0.00	0.00	0.00
14,800.0	90.00	359.42	12,150.0	2,741.9	-27.4	2,742.0	0.00	0.00	0.00
14,900.0	90.00	359.42	12,150.0	2,841.9	-28.4	2,842.0	0.00	0.00	0.00
15,000.0	90.00	359.42	12,150.0	2,941.8	-29.4	2,942.0	0.00	0.00	0.00
15,100.0	90.00	359.42	12,150.0	3,041.8	-30.4	3,042.0	0.00	0.00	0.00
15,200.0	90.00	359.42	12,150.0	3,141.8	-31.4	3,142.0	0.00	0.00	0.00
15,300.0	90.00	359.42	12,150.0	3,241.8	-32.5	3,242.0	0.00	0.00	0.00
15,400.0	90.00	359.42	12,150.0	3,341.8	-33.5	3,342.0	0.00	0.00	0.00
15,500.0	90.00	359.42	12,150.0	3,441.8	-34.5	3,442.0	0.00	0.00	0.00
15,600.0	90.00	359.42	12,150.0	3,541.8	-35.5	3,542.0	0.00	0.00	0.00
15,700.0	90.00	359.42	12,150.0	3,641.8	-36.5	3,642.0	0.00	0.00	0.00
15,800.0	90.00	359.42	12,150.0	3,741.8	-37.5	3,742.0	0.00	0.00	0.00
15,900.0	90.00	359.42	12,150.0	3,841.8	-38.6	3,842.0	0.00	0.00	0.00
16,000.0	90.00	359.42	12,150.0	3,941.8	-39.6	3,942.0	0.00	0.00	0.00
16,100.0	90.00	359.42	12,150.0	4,041.8	-40.6	4,042.0	0.00	0.00	0.00
16,200.0	90.00	359.42	12,150.0	4,141.8	-41.6	4,142.0	0.00	0.00	0.00
16,300.0	90.00	359.42	12,150.0	4,241.8	-42.6	4,242.0	0.00	0.00	0.00
16,400.0	90.00	359.42	12,150.0	4,341.8	-43.6	4,342.0	0.00	0.00	0.00
16,500.0	90.00	359.42	12,150.0	4,441.8	-44.6	4,442.0	0.00	0.00	0.00
16,600.0	90.00	359.42	12,150.0	4,541.8	-45.7	4,542.0	0.00	0.00	0.00
16,700.0	90.00	359.42	12,150.0	4,641.8	-46.7	4,642.0	0.00	0.00	0.00
16,800.0	90.00	359.42	12,150.0	4,741.8	-47.7	4,742.0	0.00	0.00	0.00
16,900.0	90.00	359.42	12,150.0	4,841.8	-48.7	4,842.0	0.00	0.00	0.00
16,928.3	90.00	359.42	12,150.0	4,870.0	-49.0	4,870.2	0.00	0.00	0.00
TD at 16928.3									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (Camellia Fed Cr - hit/miss target - Shape - Point)	0.00	0.00	12,150.0	120.0	-1.0	378,777.00	868,549.00	32° 2' 12.986 N	103° 16' 38.548 W
- plan misses target center by 75.2usft at 12200.0usft MD (12082.4 TVD, 153.1 N, -1.1 E)									
LTP (Camellia Fed Cr - plan misses target center by 0.3usft at 16798.2usft MD (12150.0 TVD, 4740.0 N, -47.7 E) - Rectangle (sides W60.0 H4,620.2 D25.0)	0.00	359.42	12,150.0	4,740.0	-48.0	383,397.00	868,502.00	32° 2' 58.704 N	103° 16' 38.569 W
PBHL (Camellia Fed (	0.00	359.42	12,150.0	4,870.0	-49.0	383,527.00	868,501.00	32° 2' 59.991 N	103° 16' 38.566 W
- plan hits target center - Point									

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Camellia Fed Com 26-36-16 #101H
Company:	Ameredev Operating, LLC	TVD Reference:	KB @ 2965.0usft (H&P 616)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	KB @ 2965.0usft (H&P 616)
Site:	(Camellia) Sec16_T-26-S_R-26-E	North Reference:	Grid
Well:	Camellia Fed Com 26-36-16 #101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,870.0	1,870.0	13.375	13-3/8	17-1/2
5,002.6	5,000.0	9 5/8"	9-5/8	12-1/4
10,953.9	10,950.0	7.625"	7-5/8	8-3/4
16,928.3	12,150.0	5 1/2"	5-1/2	6-3/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,870.0	1,870.0	Rustler Anhydrite			
2,225.0	2,225.0	Salado			
3,150.0	3,150.0	Tansill			
4,926.5	4,924.0	Lamar Lime			
5,099.8	5,097.0	Bell Canyon			
7,055.9	7,052.0	Brushy Canyon			
8,132.9	8,129.0	Bone Spring Lime			
9,578.9	9,575.0	First Bone Spring			
10,186.9	10,183.0	Second Bone Spring			
10,809.9	10,806.0	Upper Third Bone Spring			
11,417.9	11,414.0	Third Bone Spring			
11,635.0	11,631.0	Wolfcamp			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,000.0	3,000.0	0.0	0.0	NUDGE - Build 1.00
3,310.3	3,310.2	-8.4	0.1	HOLD - 2538.5 at 3310.3 MD
5,848.8	5,844.9	-145.8	1.9	DROP - -2.00
6,003.9	6,000.0	-150.0	2.0	HOLD - 5577.0 at 6003.9 MD
11,580.9	11,577.0	-150.0	2.0	KOP - DLS 10.00 TFO 359.42
12,480.9	12,150.0	422.9	-3.8	EOC - 4447.3 hold at 12480.9 MD
16,928.3	12,150.0	4,870.0	-49.0	TD at 16928.3