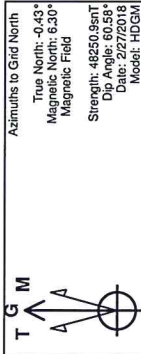


REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Lea Unit #101H, Grid North
 Vertical (TVD) Reference: RKB @ 3692.0usft
 Measured Depth Reference: RKB @ 3692.0usft
 Calculation Method: Minimum Curvature

Project: Lea County, NM (NAD83)
 Site: Lea
 Well: Lea Unit #101H
 Wellbore: Original Wellbore
 Design: Plan 1



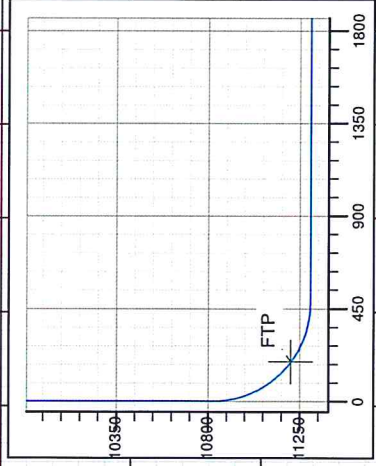
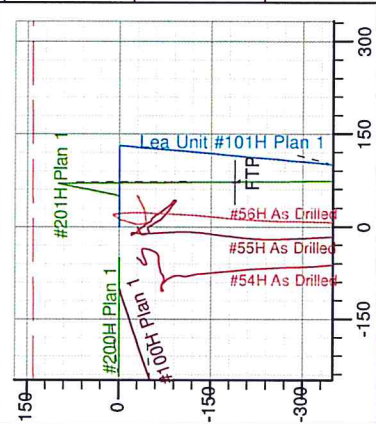
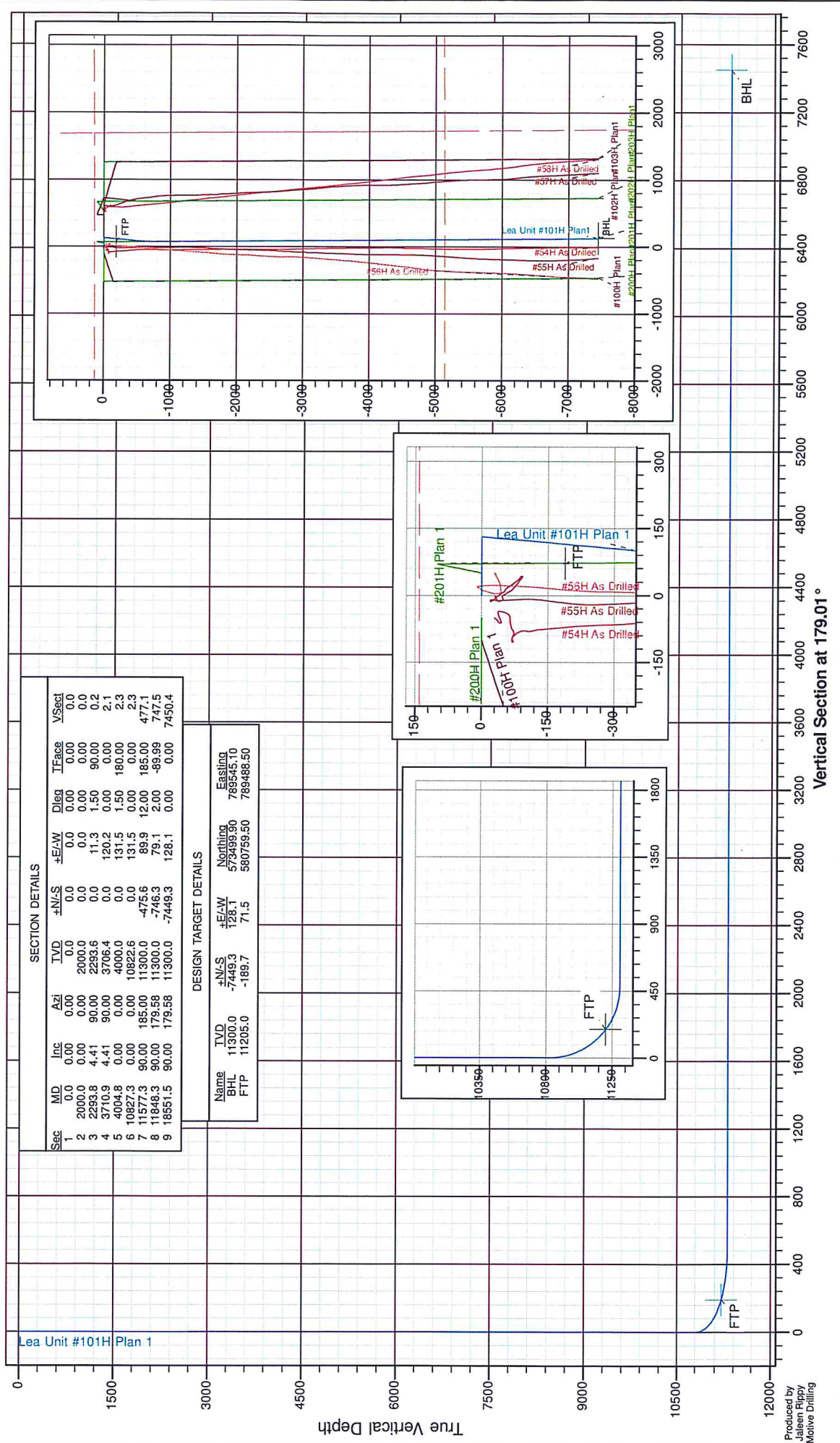
WELL DETAILS: Lea Unit #101H			
Ground Level:	3665.0	Latitude	103° 31' 40.139 W
Eastings	789417.00	Longitude	32° 35' 40.199 N
Northings	580949.20		
+N/-S	0.0	+E/-W	0.0

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	±N/-S	±E/W	Dleg	TFace	V/Sect
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0
3	2293.8	4.41	90.00	2293.6	0.0	11.3	1.50	90.00	0.2
4	3710.9	4.41	90.00	3706.4	0.0	120.2	0.00	0.00	2.1
5	4004.8	0.00	0.00	4000.0	0.0	131.5	1.50	180.00	2.3
6	10827.3	0.00	0.00	10822.6	0.0	131.5	0.00	0.00	2.3
7	11577.3	90.00	185.00	11300.0	-475.6	89.9	12.00	185.00	477.1
8	11848.3	90.00	179.58	11300.0	-746.3	79.1	2.00	-89.99	747.5
9	18551.5	90.00	179.58	11300.0	-7449.3	128.1	0.00	0.00	7450.4

DESIGN TARGET DETAILS

Name	TVD	±N/-S	±E/W	Northings	Eastings
BHL	11300.0	-7449.3	128.1	573499.90	789545.10
FTP	11205.0	-189.7	71.5	580759.50	789488.50



Legacy Reserves

Lea County, NM (NAD83)

Lea

Lea Unit #101H

Original Wellbore

Plan: Plan 1

Standard Planning Report

20 March, 2018



Database: EDM 5000.1 Single User Db
Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Site: Lea
Well: Lea Unit #101H
Wellbore: Original Wellbore
Design: Plan 1

Local Co-ordinate Reference: Well Lea Unit #101H
TVD Reference: RKB @ 3692.0usft
MD Reference: RKB @ 3692.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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

Site	Lea		
Site Position:		Northing:	567,587.00 usft
From:	Map	Easting:	797,256.10 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 33' 27.391 N
		Longitude:	103° 30' 9.733 W
		Grid Convergence:	0.45 °

Well	Lea Unit #101H		
Well Position	+N/-S	13,362.2 usft	Northing: 580,949.20 usft
	+E/-W	-7,839.1 usft	Easting: 789,417.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,692.0 usft
		Latitude:	32° 35' 40.199 N
		Longitude:	103° 31' 40.139 W
		Ground Level:	3,665.0 usft

Wellbore	Original Wellbore		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	2/27/2018	6.73
		Dip Angle (°)	60.58
		Field Strength (nT)	48,251

Design	Plan 1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
		Direction (°)	179.01

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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,293.8	4.41	90.00	2,293.6	0.0	11.3	1.50	1.50	0.00	90.00	
3,710.9	4.41	90.00	3,706.4	0.0	120.2	0.00	0.00	0.00	0.00	
4,004.8	0.00	0.00	4,000.0	0.0	131.5	1.50	-1.50	0.00	180.00	
10,827.3	0.00	0.00	10,822.6	0.0	131.5	0.00	0.00	0.00	0.00	
11,577.3	90.00	185.00	11,300.0	-475.6	89.9	12.00	12.00	0.00	185.00	
11,848.3	90.00	179.58	11,300.0	-746.3	79.1	2.00	0.00	-2.00	-89.99	
18,551.5	90.00	179.58	11,300.0	-7,449.3	128.1	0.00	0.00	0.00	0.00	BHL-101H

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Local Co-ordinate Reference: Well Lea Unit #101H
TVD Reference: RKB @ 3692.0usft
MD Reference: RKB @ 3692.0usft
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 (°/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	1.50	90.00	2,100.0	0.0	1.3	0.0	1.50	1.50	0.00
2,200.0	3.00	90.00	2,199.9	0.0	5.2	0.1	1.50	1.50	0.00
2,293.8	4.41	90.00	2,293.6	0.0	11.3	0.2	1.50	1.50	0.00
2,300.0	4.41	90.00	2,299.7	0.0	11.8	0.2	0.00	0.00	0.00
2,400.0	4.41	90.00	2,399.4	0.0	19.5	0.3	0.00	0.00	0.00
2,500.0	4.41	90.00	2,499.1	0.0	27.1	0.5	0.00	0.00	0.00
2,600.0	4.41	90.00	2,598.8	0.0	34.8	0.6	0.00	0.00	0.00
2,700.0	4.41	90.00	2,698.5	0.0	42.5	0.7	0.00	0.00	0.00
2,800.0	4.41	90.00	2,798.2	0.0	50.2	0.9	0.00	0.00	0.00
2,900.0	4.41	90.00	2,897.9	0.0	57.9	1.0	0.00	0.00	0.00
3,000.0	4.41	90.00	2,997.6	0.0	65.6	1.1	0.00	0.00	0.00
3,100.0	4.41	90.00	3,097.3	0.0	73.3	1.3	0.00	0.00	0.00
3,200.0	4.41	90.00	3,197.0	0.0	80.9	1.4	0.00	0.00	0.00
3,300.0	4.41	90.00	3,296.7	0.0	88.6	1.5	0.00	0.00	0.00
3,400.0	4.41	90.00	3,396.4	0.0	96.3	1.7	0.00	0.00	0.00
3,500.0	4.41	90.00	3,496.1	0.0	104.0	1.8	0.00	0.00	0.00
3,600.0	4.41	90.00	3,595.8	0.0	111.7	1.9	0.00	0.00	0.00
3,700.0	4.41	90.00	3,695.6	0.0	119.4	2.1	0.00	0.00	0.00
3,710.9	4.41	90.00	3,706.4	0.0	120.2	2.1	0.00	0.00	0.00
3,800.0	3.07	90.00	3,795.3	0.0	126.0	2.2	1.50	-1.50	0.00
3,900.0	1.57	90.00	3,895.2	0.0	130.1	2.2	1.50	-1.50	0.00
4,004.8	0.00	0.00	4,000.0	0.0	131.5	2.3	1.50	-1.50	0.00
4,100.0	0.00	0.00	4,095.2	0.0	131.5	2.3	0.00	0.00	0.00
4,200.0	0.00	0.00	4,195.2	0.0	131.5	2.3	0.00	0.00	0.00
4,300.0	0.00	0.00	4,295.2	0.0	131.5	2.3	0.00	0.00	0.00
4,400.0	0.00	0.00	4,395.2	0.0	131.5	2.3	0.00	0.00	0.00
4,500.0	0.00	0.00	4,495.2	0.0	131.5	2.3	0.00	0.00	0.00
4,600.0	0.00	0.00	4,595.2	0.0	131.5	2.3	0.00	0.00	0.00
4,700.0	0.00	0.00	4,695.2	0.0	131.5	2.3	0.00	0.00	0.00
4,800.0	0.00	0.00	4,795.2	0.0	131.5	2.3	0.00	0.00	0.00
4,900.0	0.00	0.00	4,895.2	0.0	131.5	2.3	0.00	0.00	0.00
5,000.0	0.00	0.00	4,995.2	0.0	131.5	2.3	0.00	0.00	0.00
5,100.0	0.00	0.00	5,095.2	0.0	131.5	2.3	0.00	0.00	0.00

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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)
5,200.0	0.00	0.00	5,195.2	0.0	131.5	2.3	0.00	0.00	0.00
5,300.0	0.00	0.00	5,295.2	0.0	131.5	2.3	0.00	0.00	0.00
5,400.0	0.00	0.00	5,395.2	0.0	131.5	2.3	0.00	0.00	0.00
5,500.0	0.00	0.00	5,495.2	0.0	131.5	2.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,595.2	0.0	131.5	2.3	0.00	0.00	0.00
5,700.0	0.00	0.00	5,695.2	0.0	131.5	2.3	0.00	0.00	0.00
5,800.0	0.00	0.00	5,795.2	0.0	131.5	2.3	0.00	0.00	0.00
5,900.0	0.00	0.00	5,895.2	0.0	131.5	2.3	0.00	0.00	0.00
6,000.0	0.00	0.00	5,995.2	0.0	131.5	2.3	0.00	0.00	0.00
6,100.0	0.00	0.00	6,095.2	0.0	131.5	2.3	0.00	0.00	0.00
6,200.0	0.00	0.00	6,195.2	0.0	131.5	2.3	0.00	0.00	0.00
6,300.0	0.00	0.00	6,295.2	0.0	131.5	2.3	0.00	0.00	0.00
6,400.0	0.00	0.00	6,395.2	0.0	131.5	2.3	0.00	0.00	0.00
6,500.0	0.00	0.00	6,495.2	0.0	131.5	2.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,595.2	0.0	131.5	2.3	0.00	0.00	0.00
6,700.0	0.00	0.00	6,695.2	0.0	131.5	2.3	0.00	0.00	0.00
6,800.0	0.00	0.00	6,795.2	0.0	131.5	2.3	0.00	0.00	0.00
6,900.0	0.00	0.00	6,895.2	0.0	131.5	2.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,995.2	0.0	131.5	2.3	0.00	0.00	0.00
7,100.0	0.00	0.00	7,095.2	0.0	131.5	2.3	0.00	0.00	0.00
7,200.0	0.00	0.00	7,195.2	0.0	131.5	2.3	0.00	0.00	0.00
7,300.0	0.00	0.00	7,295.2	0.0	131.5	2.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,395.2	0.0	131.5	2.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,495.2	0.0	131.5	2.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,595.2	0.0	131.5	2.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,695.2	0.0	131.5	2.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,795.2	0.0	131.5	2.3	0.00	0.00	0.00
7,900.0	0.00	0.00	7,895.2	0.0	131.5	2.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,995.2	0.0	131.5	2.3	0.00	0.00	0.00
8,100.0	0.00	0.00	8,095.2	0.0	131.5	2.3	0.00	0.00	0.00
8,200.0	0.00	0.00	8,195.2	0.0	131.5	2.3	0.00	0.00	0.00
8,300.0	0.00	0.00	8,295.2	0.0	131.5	2.3	0.00	0.00	0.00
8,400.0	0.00	0.00	8,395.2	0.0	131.5	2.3	0.00	0.00	0.00
8,500.0	0.00	0.00	8,495.2	0.0	131.5	2.3	0.00	0.00	0.00
8,600.0	0.00	0.00	8,595.2	0.0	131.5	2.3	0.00	0.00	0.00
8,700.0	0.00	0.00	8,695.2	0.0	131.5	2.3	0.00	0.00	0.00
8,800.0	0.00	0.00	8,795.2	0.0	131.5	2.3	0.00	0.00	0.00
8,900.0	0.00	0.00	8,895.2	0.0	131.5	2.3	0.00	0.00	0.00
9,000.0	0.00	0.00	8,995.2	0.0	131.5	2.3	0.00	0.00	0.00
9,100.0	0.00	0.00	9,095.2	0.0	131.5	2.3	0.00	0.00	0.00
9,200.0	0.00	0.00	9,195.2	0.0	131.5	2.3	0.00	0.00	0.00
9,300.0	0.00	0.00	9,295.2	0.0	131.5	2.3	0.00	0.00	0.00
9,400.0	0.00	0.00	9,395.2	0.0	131.5	2.3	0.00	0.00	0.00
9,500.0	0.00	0.00	9,495.2	0.0	131.5	2.3	0.00	0.00	0.00
9,600.0	0.00	0.00	9,595.2	0.0	131.5	2.3	0.00	0.00	0.00
9,700.0	0.00	0.00	9,695.2	0.0	131.5	2.3	0.00	0.00	0.00
9,800.0	0.00	0.00	9,795.2	0.0	131.5	2.3	0.00	0.00	0.00
9,900.0	0.00	0.00	9,895.2	0.0	131.5	2.3	0.00	0.00	0.00
10,000.0	0.00	0.00	9,995.2	0.0	131.5	2.3	0.00	0.00	0.00
10,100.0	0.00	0.00	10,095.2	0.0	131.5	2.3	0.00	0.00	0.00
10,200.0	0.00	0.00	10,195.2	0.0	131.5	2.3	0.00	0.00	0.00
10,300.0	0.00	0.00	10,295.2	0.0	131.5	2.3	0.00	0.00	0.00
10,400.0	0.00	0.00	10,395.2	0.0	131.5	2.3	0.00	0.00	0.00

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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)
10,500.0	0.00	0.00	10,495.2	0.0	131.5	2.3	0.00	0.00	0.00
10,600.0	0.00	0.00	10,595.2	0.0	131.5	2.3	0.00	0.00	0.00
10,700.0	0.00	0.00	10,695.2	0.0	131.5	2.3	0.00	0.00	0.00
10,800.0	0.00	0.00	10,795.2	0.0	131.5	2.3	0.00	0.00	0.00
10,827.3	0.00	0.00	10,822.6	0.0	131.5	2.3	0.00	0.00	0.00
10,850.0	2.72	185.00	10,845.2	-0.5	131.5	2.8	12.00	12.00	0.00
10,875.0	5.72	185.00	10,870.2	-2.4	131.3	4.6	12.00	12.00	0.00
10,900.0	8.72	185.00	10,894.9	-5.5	131.0	7.7	12.00	12.00	0.00
10,925.0	11.72	185.00	10,919.5	-9.9	130.6	12.2	12.00	12.00	0.00
10,950.0	14.72	185.00	10,943.9	-15.6	130.1	17.8	12.00	12.00	0.00
10,975.0	17.72	185.00	10,967.9	-22.6	129.5	24.8	12.00	12.00	0.00
11,000.0	20.72	185.00	10,991.5	-30.8	128.8	33.0	12.00	12.00	0.00
11,025.0	23.72	185.00	11,014.6	-40.2	128.0	42.4	12.00	12.00	0.00
11,050.0	26.72	185.00	11,037.2	-50.8	127.1	53.0	12.00	12.00	0.00
11,075.0	29.72	185.00	11,059.3	-62.6	126.0	64.7	12.00	12.00	0.00
11,100.0	32.72	185.00	11,080.7	-75.5	124.9	77.6	12.00	12.00	0.00
11,125.0	35.72	185.00	11,101.3	-89.5	123.7	91.6	12.00	12.00	0.00
11,150.0	38.72	185.00	11,121.2	-104.5	122.4	106.6	12.00	12.00	0.00
11,175.0	41.72	185.00	11,140.3	-120.6	120.9	122.7	12.00	12.00	0.00
11,200.0	44.72	185.00	11,158.5	-137.7	119.5	139.7	12.00	12.00	0.00
11,225.0	47.72	185.00	11,175.8	-155.6	117.9	157.6	12.00	12.00	0.00
11,250.0	50.72	185.00	11,192.2	-174.5	116.2	176.5	12.00	12.00	0.00
11,275.0	53.72	185.00	11,207.5	-194.2	114.5	196.1	12.00	12.00	0.00
11,300.0	56.72	185.00	11,221.7	-214.6	112.7	216.5	12.00	12.00	0.00
11,325.0	59.72	185.00	11,234.9	-235.8	110.9	237.7	12.00	12.00	0.00
11,350.0	62.72	185.00	11,246.9	-257.6	109.0	259.5	12.00	12.00	0.00
11,375.0	65.72	185.00	11,257.8	-280.0	107.0	281.8	12.00	12.00	0.00
11,400.0	68.72	185.00	11,267.5	-303.0	105.0	304.8	12.00	12.00	0.00
11,425.0	71.72	185.00	11,275.9	-326.4	102.9	328.2	12.00	12.00	0.00
11,450.0	74.72	185.00	11,283.2	-350.3	100.9	352.0	12.00	12.00	0.00
11,475.0	77.72	185.00	11,289.1	-374.5	98.7	376.1	12.00	12.00	0.00
11,500.0	80.72	185.00	11,293.8	-398.9	96.6	400.5	12.00	12.00	0.00
11,525.0	83.72	185.00	11,297.2	-423.6	94.4	425.2	12.00	12.00	0.00
11,550.0	86.72	185.00	11,299.3	-448.4	92.3	449.9	12.00	12.00	0.00
11,577.3	90.00	185.00	11,300.0	-475.6	89.9	477.1	12.00	12.00	0.00
11,600.0	90.00	184.55	11,300.0	-498.2	88.0	499.7	2.00	0.00	-2.00
11,700.0	90.00	182.55	11,300.0	-598.0	81.8	599.3	2.00	0.00	-2.00
11,800.0	90.00	180.55	11,300.0	-698.0	79.1	699.2	2.00	0.00	-2.00
11,848.3	90.00	179.58	11,300.0	-746.3	79.1	747.5	2.00	0.00	-2.00
11,900.0	90.00	179.58	11,300.0	-798.0	79.4	799.2	0.00	0.00	0.00
12,000.0	90.00	179.58	11,300.0	-898.0	80.2	899.2	0.00	0.00	0.00
12,100.0	90.00	179.58	11,300.0	-998.0	80.9	999.2	0.00	0.00	0.00
12,200.0	90.00	179.58	11,300.0	-1,098.0	81.6	1,099.2	0.00	0.00	0.00
12,300.0	90.00	179.58	11,300.0	-1,198.0	82.4	1,199.2	0.00	0.00	0.00
12,400.0	90.00	179.58	11,300.0	-1,298.0	83.1	1,299.2	0.00	0.00	0.00
12,500.0	90.00	179.58	11,300.0	-1,398.0	83.8	1,399.2	0.00	0.00	0.00
12,600.0	90.00	179.58	11,300.0	-1,498.0	84.6	1,499.2	0.00	0.00	0.00
12,700.0	90.00	179.58	11,300.0	-1,598.0	85.3	1,599.2	0.00	0.00	0.00
12,800.0	90.00	179.58	11,300.0	-1,698.0	86.0	1,699.2	0.00	0.00	0.00
12,900.0	90.00	179.58	11,300.0	-1,798.0	86.8	1,799.2	0.00	0.00	0.00
13,000.0	90.00	179.58	11,300.0	-1,898.0	87.5	1,899.2	0.00	0.00	0.00
13,100.0	90.00	179.58	11,300.0	-1,997.9	88.2	1,999.2	0.00	0.00	0.00
13,200.0	90.00	179.58	11,300.0	-2,097.9	89.0	2,099.2	0.00	0.00	0.00

Database: EDM 5000.1 Single User Db
Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Site: Lea
Well: Lea Unit #101H
Wellbore: Original Wellbore
Design: Plan 1

Local Co-ordinate Reference: Well Lea Unit #101H
TVD Reference: RKB @ 3692.0usft
MD Reference: RKB @ 3692.0usft
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 (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,300.0	90.00	179.58	11,300.0	-2,197.9	89.7	2,199.2	0.00	0.00	0.00
13,400.0	90.00	179.58	11,300.0	-2,297.9	90.4	2,299.2	0.00	0.00	0.00
13,500.0	90.00	179.58	11,300.0	-2,397.9	91.1	2,399.2	0.00	0.00	0.00
13,600.0	90.00	179.58	11,300.0	-2,497.9	91.9	2,499.1	0.00	0.00	0.00
13,700.0	90.00	179.58	11,300.0	-2,597.9	92.6	2,599.1	0.00	0.00	0.00
13,800.0	90.00	179.58	11,300.0	-2,697.9	93.3	2,699.1	0.00	0.00	0.00
13,900.0	90.00	179.58	11,300.0	-2,797.9	94.1	2,799.1	0.00	0.00	0.00
14,000.0	90.00	179.58	11,300.0	-2,897.9	94.8	2,899.1	0.00	0.00	0.00
14,100.0	90.00	179.58	11,300.0	-2,997.9	95.5	2,999.1	0.00	0.00	0.00
14,200.0	90.00	179.58	11,300.0	-3,097.9	96.3	3,099.1	0.00	0.00	0.00
14,300.0	90.00	179.58	11,300.0	-3,197.9	97.0	3,199.1	0.00	0.00	0.00
14,400.0	90.00	179.58	11,300.0	-3,297.9	97.7	3,299.1	0.00	0.00	0.00
14,500.0	90.00	179.58	11,300.0	-3,397.9	98.5	3,399.1	0.00	0.00	0.00
14,600.0	90.00	179.58	11,300.0	-3,497.9	99.2	3,499.1	0.00	0.00	0.00
14,700.0	90.00	179.58	11,300.0	-3,597.9	99.9	3,599.1	0.00	0.00	0.00
14,800.0	90.00	179.58	11,300.0	-3,697.9	100.7	3,699.1	0.00	0.00	0.00
14,900.0	90.00	179.58	11,300.0	-3,797.9	101.4	3,799.1	0.00	0.00	0.00
15,000.0	90.00	179.58	11,300.0	-3,897.9	102.1	3,899.1	0.00	0.00	0.00
15,100.0	90.00	179.58	11,300.0	-3,997.9	102.8	3,999.1	0.00	0.00	0.00
15,200.0	90.00	179.58	11,300.0	-4,097.9	103.6	4,099.1	0.00	0.00	0.00
15,300.0	90.00	179.58	11,300.0	-4,197.9	104.3	4,199.1	0.00	0.00	0.00
15,400.0	90.00	179.58	11,300.0	-4,297.9	105.0	4,299.1	0.00	0.00	0.00
15,500.0	90.00	179.58	11,300.0	-4,397.9	105.8	4,399.1	0.00	0.00	0.00
15,600.0	90.00	179.58	11,300.0	-4,497.9	106.5	4,499.0	0.00	0.00	0.00
15,700.0	90.00	179.58	11,300.0	-4,597.9	107.2	4,599.0	0.00	0.00	0.00
15,800.0	90.00	179.58	11,300.0	-4,697.9	108.0	4,699.0	0.00	0.00	0.00
15,900.0	90.00	179.58	11,300.0	-4,797.9	108.7	4,799.0	0.00	0.00	0.00
16,000.0	90.00	179.58	11,300.0	-4,897.9	109.4	4,899.0	0.00	0.00	0.00
16,100.0	90.00	179.58	11,300.0	-4,997.9	110.2	4,999.0	0.00	0.00	0.00
16,200.0	90.00	179.58	11,300.0	-5,097.9	110.9	5,099.0	0.00	0.00	0.00
16,300.0	90.00	179.58	11,300.0	-5,197.9	111.6	5,199.0	0.00	0.00	0.00
16,400.0	90.00	179.58	11,300.0	-5,297.9	112.4	5,299.0	0.00	0.00	0.00
16,500.0	90.00	179.58	11,300.0	-5,397.9	113.1	5,399.0	0.00	0.00	0.00
16,600.0	90.00	179.58	11,300.0	-5,497.9	113.8	5,499.0	0.00	0.00	0.00
16,700.0	90.00	179.58	11,300.0	-5,597.9	114.6	5,599.0	0.00	0.00	0.00
16,800.0	90.00	179.58	11,300.0	-5,697.8	115.3	5,699.0	0.00	0.00	0.00
16,900.0	90.00	179.58	11,300.0	-5,797.8	116.0	5,799.0	0.00	0.00	0.00
17,000.0	90.00	179.58	11,300.0	-5,897.8	116.7	5,899.0	0.00	0.00	0.00
17,100.0	90.00	179.58	11,300.0	-5,997.8	117.5	5,999.0	0.00	0.00	0.00
17,200.0	90.00	179.58	11,300.0	-6,097.8	118.2	6,099.0	0.00	0.00	0.00
17,300.0	90.00	179.58	11,300.0	-6,197.8	118.9	6,199.0	0.00	0.00	0.00
17,400.0	90.00	179.58	11,300.0	-6,297.8	119.7	6,299.0	0.00	0.00	0.00
17,500.0	90.00	179.58	11,300.0	-6,397.8	120.4	6,399.0	0.00	0.00	0.00
17,600.0	90.00	179.58	11,300.0	-6,497.8	121.1	6,498.9	0.00	0.00	0.00
17,700.0	90.00	179.58	11,300.0	-6,597.8	121.9	6,598.9	0.00	0.00	0.00
17,800.0	90.00	179.58	11,300.0	-6,697.8	122.6	6,698.9	0.00	0.00	0.00
17,900.0	90.00	179.58	11,300.0	-6,797.8	123.3	6,798.9	0.00	0.00	0.00
18,000.0	90.00	179.58	11,300.0	-6,897.8	124.1	6,898.9	0.00	0.00	0.00
18,100.0	90.00	179.58	11,300.0	-6,997.8	124.8	6,998.9	0.00	0.00	0.00
18,200.0	90.00	179.58	11,300.0	-7,097.8	125.5	7,098.9	0.00	0.00	0.00
18,300.0	90.00	179.58	11,300.0	-7,197.8	126.3	7,198.9	0.00	0.00	0.00
18,400.0	90.00	179.58	11,300.0	-7,297.8	127.0	7,298.9	0.00	0.00	0.00
18,500.0	90.00	179.58	11,300.0	-7,397.8	127.7	7,398.9	0.00	0.00	0.00
18,551.5	90.00	179.58	11,300.0	-7,449.3	128.1	7,450.4	0.00	0.00	0.00

Database: EDM 5000.1 Single User Db
Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Site: Lea
Well: Lea Unit #101H
Wellbore: Original Wellbore
Design: Plan 1

Local Co-ordinate Reference: Well Lea Unit #101H
TVD Reference: RKB @ 3692.0usft
MD Reference: RKB @ 3692.0usft
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 (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)

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									
FTP-101H	0.00	0.00	11,205.0	-189.7	71.5	580,759.50	789,488.50	32° 35' 38.317 N	103° 31' 39.320 W
- plan misses target center by 43.3usft at 11272.9usft MD (11206.2 TVD, -192.5 N, 114.7 E)									
- Point									
BHL-101H	0.00	0.00	11,300.0	-7,449.3	128.1	573,499.90	789,545.10	32° 34' 26.483 N	103° 31' 39.301 W
- plan hits target center									
- Point									