

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM01747

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
LEA UNIT 66H ✓

9. API Well No.

70-025-45154

10. Field and Pool or Exploratory Area
LEA

11. County or Parish, State

LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

LEGACY RESERVES OPERATING LP - Mail: smorrow@legacylp.com

Contact: SHERRY MORROW

3a. Address

303 W WALL SUITE 1600
MIDLAND, TX 79702

3b. Phone No. (include area code)

Ph: 432-221-6339

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 24 T20S R34E NWSE 2270FSL 1380FEL
32.557602 N Lat, 103.509651 W Lon**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Legacy Reserves is proposing a revised Bottom Hole Location (BHL). The revised BHL is located 330' FSL of Section 12. See attached Form C-102 for details. Also attached the updated Directional Plan with Anti-Collision Report to reflect new BHL.

Carlsbad Field Office
OCD Hobbs*All previous COAs still apply 25*

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #427649 verified by the BLM Well Information System

For LEGACY RESERVES OPERATING LP, sent to the Hobbs

Committed to AFMSS for processing by PRISCILLA PEREZ on 07/23/2018 (18PP1481SE)

Name (Printed/Typed) MATT DICKSON

Title DRILLING ENGINEER

Signature (Electronic Submission)

Date 07/17/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ZOTA STEVENS

Title PETROLEUM ENGINEER

Date 07/24/2018

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED *****KZ*

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6181 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Frances Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-024-45154	Pool Code 77570	Pool Name LEA; DONE SPRING
Property Code 702802	Property Name LEA UNIT	Well Number 66H
OGRID No. 240974	Operator Name LEGACY RESERVES OPERATING LP	Elevation 3676'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	24	20 S	34 E		2270	SOUTH	1380	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	12	20 S	34 E		330	SOUTH	1550	EAST	LEA
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

NOTE:

- Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1983. Distances shown hereon are mean horizontal surface values.

12

Last Take Point & Bottom Hole Location

N 00°40'38" E 2967'

Inflection Point 13

First Take Point

24

N 02°50'57" W 697'

#66H (SL)

Elev.: 3676'

Scale
1" = 3000'

BOTTOM HOLE LOCATION & LAST TAKE POINT (NAD83)

Plane Coordinate
X = 794,821.0
Y = 576,778.4
Geodetic (D.D.)
32.5812724° N
103.5101961° W

INFLECTION POINT (NAD83)

Plane Coordinate
X = 794,846.0
Y = 573,209.9
Geodetic (D.D.)
32.5731143° N
103.5103845° W

FIRST TAKE POINT (NAD83)

Plane Coordinate
X = 795,081.4
Y = 568,264.3
Geodetic (D.D.)
32.55951639° N
103.50974440° W

SURFACE LOCATION (NAD83)

Plane Coordinate
X = 795,116.1
Y = 567,568.1
Geodetic (D.D.)
32.55760229° N
103.50964944° W

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

December 20, 2017

Date of Survey _____ SC

Signature & Seal of Professional Surveyor

W.O. Num. _____

Certificate No. Lindsay Gygox 23263

Legacy Reserves

Lea County, NM (NAD83)

Lea

Lea Unit #66H

Original Wellbore

Plan 4

Anticollision Summary Report

16 July, 2018



Company:	Legacy Reserves	Local Co-ordinate Reference:	Well Lea Unit #66H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3694.01ft
Reference Site:	Lea	MD Reference:	RKB @ 3694.01ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Lea Unit #66H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Wellbore	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan 4	Offset TVD Reference:	Reference Datum

Reference	Plan 4
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	MD + Stations Interval 30.00ft
Depth Range:	Unlimited
Results Limited by:	Maximum center-center distance of 10,000.00 ft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic
Casing Method:	Not applied

Survey Tool Program	Date	7/16/2018
From (ft)	To (ft)	Survey (Wellbore)
0.00	19,417.67	Plan 4 (Original Wellbore)
		Tool Name
		MWD
		Description
		MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Lea						
Lea Unit #32H - Original Wellbore - Original Wellbore	18,840.00	11,015.63	282.54	106.41	1.604	ES, SF
Lea Unit #32H - Original Wellbore - Original Wellbore	18,867.83	10,990.10	282.29	106.59	1.607	CC
Lea Unit #34H - Original Wellbore - Original Wellbore	19,417.67	11,003.05	162.55	-12.35	0.929	Level 1, CC, ES, SF
Lea Unit #37H - Original Wellbore - Original Wellbore	30.00	27.88	100.04	99.97	1,505.625	CC
Lea Unit #37H - Original Wellbore - Original Wellbore	1,560.00	1,557.36	106.03	95.43	10.007	ES
Lea Unit #37H - Original Wellbore - Original Wellbore	18,810.00	18,203.36	800.46	567.27	3.433	SF
Lea Unit #42H - Original Wellbore - Original Wellbore	138.56	136.56	49.84	49.28	89.495	CC
Lea Unit #42H - Original Wellbore - Original Wellbore	6,600.00	6,596.63	71.81	28.88	1.673	ES
Lea Unit #42H - Original Wellbore - Original Wellbore	7,980.00	7,976.35	80.40	31.11	1.631	SF

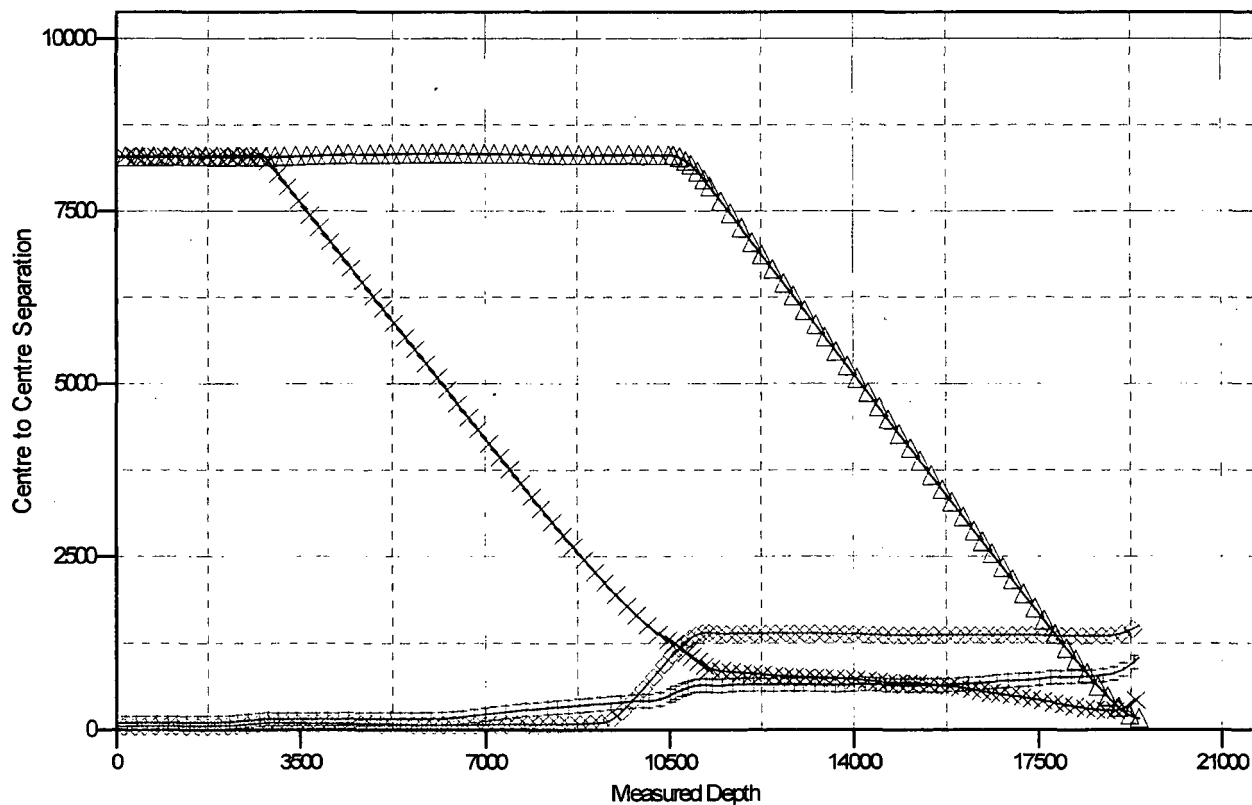
Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Reference Site: Lea
Site Error: 0.00 ft
Reference Well: Lea Unit #66H
Well Error: 0.00 ft
Reference Wellbore: Original Wellbore
Reference Design: Plan 4

Local Co-ordinate Reference: Well Lea Unit #66H
TVD Reference: RKB @ 3694.01ft
MD Reference: RKB @ 3694.01ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: EDM 5000.1 Single User Db
Offset TVD Reference: Reference Datum

Reference Depths are relative to RKB @ 3694.01ft
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: Lea Unit #66H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.44°

Ladder Plot



LEGEND

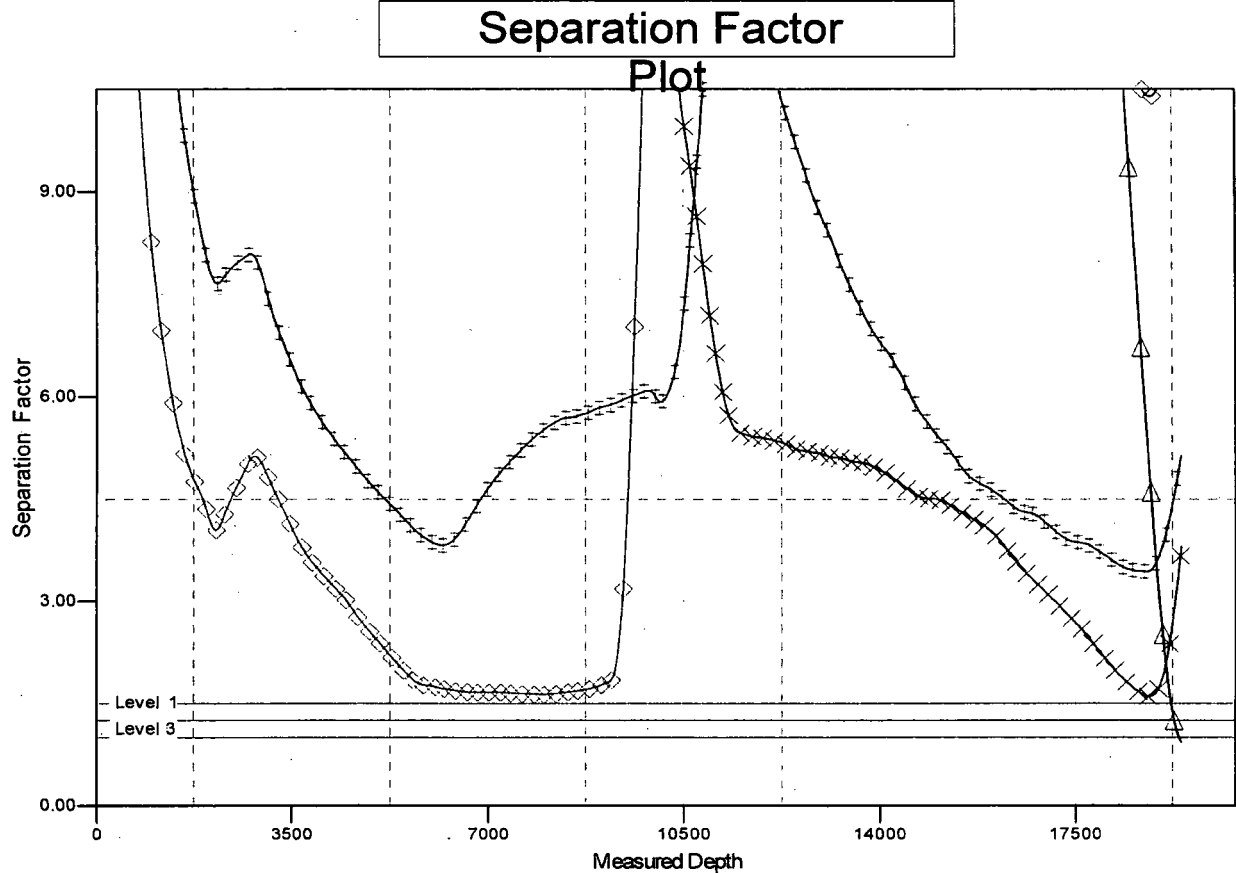
Unit#42H, Original Wellbore, Original Wellbore V0 Lea Unit#34H, Original Wellbore, Original Wellbore V0
Unit#32H, Original Wellbore, Original Wellbore V0 Lea Unit#37H, Original Wellbore, Original Wellbore V0

Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Reference Site: Lea
Site Error: 0.00 ft
Reference Well: Lea Unit #66H
Well Error: 0.00 ft
Reference Wellbore: Original Wellbore
Reference Design: Plan 4

Local Co-ordinate Reference: Well Lea Unit #66H
TVD Reference: RKB @ 3694.01ft
MD Reference: RKB @ 3694.01ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: EDM 5000.1 Single User Db
Offset TVD Reference: Reference Datum

Reference Depths are relative to RKB @ 3694.01ft
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: Lea Unit #66H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.44°



LEGEND

Unit#42H, Original Wellbore, Original Wellbore V0 Lea Unit#34H, Original Wellbore, Original Wellbore V0
Unit#32H, Original Wellbore, Original Wellbore V0 Lea Unit#37H, Original Wellbore, Original Wellbore V0

Legacy Reserves

Lea County, NM (NAD83)

Lea

Lea Unit #66H

Original Wellbore

Plan: Plan 4

Standard Planning Report

16 July, 2018



Database: EDM 5000.1 Single User Db
Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Site: Lea
Well: Lea Unit #66H
Wellbore: Original Wellbore
Design: Plan 4

Local Co-ordinate Reference: Well Lea Unit #66H
TVD Reference: RKB @ 3694.01ft
MD Reference: RKB @ 3694.01ft
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:	567,587.000 usft	Latitude: 32.557609°N
From:	Map	Easting:	797,256.100 usft	Longitude: -103.502704
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16"	Grid Convergence: 0.45°

Well	Lea Unit #66H			
Well Position	+N-S	-18.90 ft	Northing:	567,568.100 usft
	+E-W	-2,140.00 ft	Easting:	795,116.100 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	3,694.01 ft	Ground Level: 3,676.01 ft

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/5/2018	6.75	60.53	48,251

Design	Plan 4			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)
	0.00	0.00	0.00	358.44

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	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	
2,256.54	3.85	90.00	2,256.34	0.00	8.61	1.50	1.50	0.00	90.00	
2,744.96	3.85	90.00	2,743.67	0.00	41.39	0.00	0.00	0.00	0.00	
3,001.49	0.00	0.00	3,000.01	0.00	50.00	1.50	-1.50	0.00	180.00	
10,519.51	0.00	0.00	10,518.02	0.00	50.00	0.00	0.00	0.00	0.00	
10,769.51	30.00	343.50	10,756.75	61.33	31.83	12.00	12.00	0.00	343.50	
11,281.99	90.56	357.25	10,999.97	481.22	-22.14	12.00	11.82	2.68	15.69	
16,448.78	90.56	357.25	10,949.48	5,641.81	-270.11	0.00	0.00	0.00	0.00	IP-66H
16,625.63	90.37	0.78	10,948.04	5,818.60	-273.15	2.00	-0.11	2.00	93.07	
19,417.67	90.37	0.78	10,930.02	8,610.32	-235.10	0.00	0.00	0.00	0.00	BHL/LTP-66H

Database: EDM 5000.1 Single User Db
Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Site: Lea
Well: Lea Unit #66H
Wellbore: Original Wellbore
Design: Plan 4

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

Well Lea Unit #66H
 RKB @ 3694.01ft
 RKB @ 3694.01ft
 Grid
 Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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	1.50	90.00	2,099.99	0.00	1.31	-0.04	1.50	1.50	0.00
2,200.00	3.00	90.00	2,199.91	0.00	5.23	-0.14	1.50	1.50	0.00
2,256.54	3.85	90.00	2,256.34	0.00	8.61	-0.24	1.50	1.50	0.00
2,300.00	3.85	90.00	2,299.71	0.00	11.53	-0.31	0.00	0.00	0.00
2,400.00	3.85	90.00	2,399.48	0.00	18.24	-0.50	0.00	0.00	0.00
2,500.00	3.85	90.00	2,499.26	0.00	24.95	-0.68	0.00	0.00	0.00
2,600.00	3.85	90.00	2,599.03	0.00	31.66	-0.86	0.00	0.00	0.00
2,700.00	3.85	90.00	2,698.81	0.00	38.37	-1.05	0.00	0.00	0.00
2,744.96	3.85	90.00	2,743.67	0.00	41.39	-1.13	0.00	0.00	0.00
2,800.00	3.02	90.00	2,798.61	0.00	44.69	-1.22	1.50	-1.50	0.00
2,900.00	1.52	90.00	2,898.53	0.00	48.65	-1.33	1.50	-1.50	0.00
3,001.49	0.00	0.00	3,000.01	0.00	50.00	-1.36	1.50	-1.50	0.00
3,100.00	0.00	0.00	3,098.51	0.00	50.00	-1.36	0.00	0.00	0.00
3,200.00	0.00	0.00	3,198.51	0.00	50.00	-1.36	0.00	0.00	0.00
3,300.00	0.00	0.00	3,298.51	0.00	50.00	-1.36	0.00	0.00	0.00
3,400.00	0.00	0.00	3,398.51	0.00	50.00	-1.36	0.00	0.00	0.00
3,500.00	0.00	0.00	3,498.51	0.00	50.00	-1.36	0.00	0.00	0.00
3,600.00	0.00	0.00	3,598.51	0.00	50.00	-1.36	0.00	0.00	0.00
3,700.00	0.00	0.00	3,698.51	0.00	50.00	-1.36	0.00	0.00	0.00
3,800.00	0.00	0.00	3,798.51	0.00	50.00	-1.36	0.00	0.00	0.00
3,900.00	0.00	0.00	3,898.51	0.00	50.00	-1.36	0.00	0.00	0.00
4,000.00	0.00	0.00	3,998.51	0.00	50.00	-1.36	0.00	0.00	0.00
4,100.00	0.00	0.00	4,098.51	0.00	50.00	-1.36	0.00	0.00	0.00
4,200.00	0.00	0.00	4,198.51	0.00	50.00	-1.36	0.00	0.00	0.00
4,300.00	0.00	0.00	4,298.51	0.00	50.00	-1.36	0.00	0.00	0.00
4,400.00	0.00	0.00	4,398.51	0.00	50.00	-1.36	0.00	0.00	0.00
4,500.00	0.00	0.00	4,498.51	0.00	50.00	-1.36	0.00	0.00	0.00
4,600.00	0.00	0.00	4,598.51	0.00	50.00	-1.36	0.00	0.00	0.00
4,700.00	0.00	0.00	4,698.51	0.00	50.00	-1.36	0.00	0.00	0.00
4,800.00	0.00	0.00	4,798.51	0.00	50.00	-1.36	0.00	0.00	0.00
4,900.00	0.00	0.00	4,898.51	0.00	50.00	-1.36	0.00	0.00	0.00
5,000.00	0.00	0.00	4,998.51	0.00	50.00	-1.36	0.00	0.00	0.00
5,100.00	0.00	0.00	5,098.51	0.00	50.00	-1.36	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 #66H
Wellbore: Original Wellbore
Design: Plan 4

Local Co-ordinate Reference: Well Lea Unit #66H
TVD Reference: RKB @ 3694.01ft
MD Reference: RKB @ 3694.01ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.00	0.00	0.00	5,198.51	0.00	50.00	-1.36	0.00	0.00	0.00
5,300.00	0.00	0.00	5,298.51	0.00	50.00	-1.36	0.00	0.00	0.00
5,400.00	0.00	0.00	5,398.51	0.00	50.00	-1.36	0.00	0.00	0.00
5,500.00	0.00	0.00	5,498.51	0.00	50.00	-1.36	0.00	0.00	0.00
5,600.00	0.00	0.00	5,598.51	0.00	50.00	-1.36	0.00	0.00	0.00
5,700.00	0.00	0.00	5,698.51	0.00	50.00	-1.36	0.00	0.00	0.00
5,800.00	0.00	0.00	5,798.51	0.00	50.00	-1.36	0.00	0.00	0.00
5,900.00	0.00	0.00	5,898.51	0.00	50.00	-1.36	0.00	0.00	0.00
6,000.00	0.00	0.00	5,998.51	0.00	50.00	-1.36	0.00	0.00	0.00
6,100.00	0.00	0.00	6,098.51	0.00	50.00	-1.36	0.00	0.00	0.00
6,200.00	0.00	0.00	6,198.51	0.00	50.00	-1.36	0.00	0.00	0.00
6,300.00	0.00	0.00	6,298.51	0.00	50.00	-1.36	0.00	0.00	0.00
6,400.00	0.00	0.00	6,398.51	0.00	50.00	-1.36	0.00	0.00	0.00
6,500.00	0.00	0.00	6,498.51	0.00	50.00	-1.36	0.00	0.00	0.00
6,600.00	0.00	0.00	6,598.51	0.00	50.00	-1.36	0.00	0.00	0.00
6,700.00	0.00	0.00	6,698.51	0.00	50.00	-1.36	0.00	0.00	0.00
6,800.00	0.00	0.00	6,798.51	0.00	50.00	-1.36	0.00	0.00	0.00
6,900.00	0.00	0.00	6,898.51	0.00	50.00	-1.36	0.00	0.00	0.00
7,000.00	0.00	0.00	6,998.51	0.00	50.00	-1.36	0.00	0.00	0.00
7,100.00	0.00	0.00	7,098.51	0.00	50.00	-1.36	0.00	0.00	0.00
7,200.00	0.00	0.00	7,198.51	0.00	50.00	-1.36	0.00	0.00	0.00
7,300.00	0.00	0.00	7,298.51	0.00	50.00	-1.36	0.00	0.00	0.00
7,400.00	0.00	0.00	7,398.51	0.00	50.00	-1.36	0.00	0.00	0.00
7,500.00	0.00	0.00	7,498.51	0.00	50.00	-1.36	0.00	0.00	0.00
7,600.00	0.00	0.00	7,598.51	0.00	50.00	-1.36	0.00	0.00	0.00
7,700.00	0.00	0.00	7,698.51	0.00	50.00	-1.36	0.00	0.00	0.00
7,800.00	0.00	0.00	7,798.51	0.00	50.00	-1.36	0.00	0.00	0.00
7,900.00	0.00	0.00	7,898.51	0.00	50.00	-1.36	0.00	0.00	0.00
8,000.00	0.00	0.00	7,998.51	0.00	50.00	-1.36	0.00	0.00	0.00
8,100.00	0.00	0.00	8,098.51	0.00	50.00	-1.36	0.00	0.00	0.00
8,200.00	0.00	0.00	8,198.51	0.00	50.00	-1.36	0.00	0.00	0.00
8,300.00	0.00	0.00	8,298.51	0.00	50.00	-1.36	0.00	0.00	0.00
8,400.00	0.00	0.00	8,398.51	0.00	50.00	-1.36	0.00	0.00	0.00
8,500.00	0.00	0.00	8,498.51	0.00	50.00	-1.36	0.00	0.00	0.00
8,600.00	0.00	0.00	8,598.51	0.00	50.00	-1.36	0.00	0.00	0.00
8,700.00	0.00	0.00	8,698.51	0.00	50.00	-1.36	0.00	0.00	0.00
8,800.00	0.00	0.00	8,798.51	0.00	50.00	-1.36	0.00	0.00	0.00
8,900.00	0.00	0.00	8,898.51	0.00	50.00	-1.36	0.00	0.00	0.00
9,000.00	0.00	0.00	8,998.51	0.00	50.00	-1.36	0.00	0.00	0.00
9,100.00	0.00	0.00	9,098.51	0.00	50.00	-1.36	0.00	0.00	0.00
9,200.00	0.00	0.00	9,198.51	0.00	50.00	-1.36	0.00	0.00	0.00
9,300.00	0.00	0.00	9,298.51	0.00	50.00	-1.36	0.00	0.00	0.00
9,400.00	0.00	0.00	9,398.51	0.00	50.00	-1.36	0.00	0.00	0.00
9,500.00	0.00	0.00	9,498.51	0.00	50.00	-1.36	0.00	0.00	0.00
9,600.00	0.00	0.00	9,598.51	0.00	50.00	-1.36	0.00	0.00	0.00
9,700.00	0.00	0.00	9,698.51	0.00	50.00	-1.36	0.00	0.00	0.00
9,800.00	0.00	0.00	9,798.51	0.00	50.00	-1.36	0.00	0.00	0.00
9,900.00	0.00	0.00	9,898.51	0.00	50.00	-1.36	0.00	0.00	0.00
10,000.00	0.00	0.00	9,998.51	0.00	50.00	-1.36	0.00	0.00	0.00
10,100.00	0.00	0.00	10,098.51	0.00	50.00	-1.36	0.00	0.00	0.00
10,200.00	0.00	0.00	10,198.51	0.00	50.00	-1.36	0.00	0.00	0.00
10,300.00	0.00	0.00	10,298.51	0.00	50.00	-1.36	0.00	0.00	0.00
10,400.00	0.00	0.00	10,398.51	0.00	50.00	-1.36	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 #66H
Wellbore: Original Wellbore
Design: Plan 4

Local Co-ordinate Reference: Well Lea Unit #66H
TVD Reference: RKB @ 3694.01ft
MD Reference: RKB @ 3694.01ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,500.00	0.00	0.00	10,498.51	0.00	50.00	-1.36	0.00	0.00	0.00
10,519.51	0.00	0.00	10,518.02	0.00	50.00	-1.36	0.00	0.00	0.00
10,525.00	0.66	343.50	10,523.51	0.03	49.99	-1.33	12.00	12.00	0.00
10,550.00	3.66	343.50	10,548.49	0.93	49.72	-0.42	12.00	12.00	0.00
10,575.00	6.66	343.50	10,573.39	3.09	49.09	1.75	12.00	12.00	0.00
10,600.00	9.66	343.50	10,598.13	6.49	48.08	5.18	12.00	12.00	0.00
10,625.00	12.66	343.50	10,622.66	11.13	46.70	9.85	12.00	12.00	0.00
10,650.00	15.66	343.50	10,646.90	16.99	44.97	15.76	12.00	12.00	0.00
10,675.00	18.66	343.50	10,670.78	24.06	42.87	22.88	12.00	12.00	0.00
10,700.00	21.66	343.50	10,694.25	32.32	40.43	31.21	12.00	12.00	0.00
10,725.00	24.66	343.50	10,717.23	41.75	37.63	40.71	12.00	12.00	0.00
10,750.00	27.66	343.50	10,739.67	52.32	34.50	51.35	12.00	12.00	0.00
10,769.51	30.00	343.50	10,756.75	61.33	31.83	60.44	12.00	12.00	0.00
10,775.00	30.63	343.85	10,761.49	63.99	31.05	63.12	12.00	11.56	6.37
10,800.00	33.54	345.29	10,782.67	76.80	27.53	76.02	12.00	11.60	5.76
10,825.00	36.45	346.53	10,803.15	90.70	24.04	90.01	12.00	11.66	4.94
10,850.00	39.38	347.60	10,822.87	105.67	20.61	105.07	12.00	11.71	4.30
10,875.00	42.31	348.55	10,841.78	121.67	17.23	121.15	12.00	11.74	3.80
10,900.00	45.25	349.40	10,859.83	138.64	13.93	138.21	12.00	11.77	3.39
10,925.00	48.20	350.16	10,876.97	156.56	10.70	156.21	12.00	11.79	3.06
10,950.00	51.15	350.86	10,893.14	175.36	7.57	175.08	12.00	11.81	2.79
10,975.00	54.11	351.51	10,908.31	194.99	4.52	194.79	12.00	11.82	2.57
11,000.00	57.07	352.10	10,922.44	215.40	1.58	215.28	12.00	11.84	2.39
11,025.00	60.03	352.66	10,935.48	236.54	-1.24	236.48	12.00	11.85	2.23
11,050.00	63.00	353.18	10,947.40	258.34	-3.95	258.35	12.00	11.86	2.10
11,075.00	65.96	353.68	10,958.17	280.75	-6.53	280.83	12.00	11.86	1.99
11,100.00	68.93	354.16	10,967.76	303.71	-8.97	303.84	12.00	11.87	1.90
11,125.00	71.90	354.62	10,976.14	327.15	-11.27	327.33	12.00	11.88	1.83
11,150.00	74.87	355.06	10,983.29	351.00	-13.43	351.24	12.00	11.88	1.77
11,175.00	77.84	355.49	10,989.18	375.21	-15.43	375.49	12.00	11.88	1.72
11,200.00	80.81	355.91	10,993.81	399.71	-17.27	400.03	12.00	11.89	1.68
11,225.00	83.78	356.32	10,997.16	424.42	-18.95	424.78	12.00	11.89	1.65
11,250.00	86.76	356.73	10,999.23	449.29	-20.46	449.68	12.00	11.89	1.63
11,275.00	89.73	357.14	10,999.99	474.24	-21.80	474.66	12.00	11.89	1.62
11,281.99	90.56	357.25	10,999.97	481.22	-22.14	481.65	12.00	11.89	1.62
11,300.00	90.56	357.25	10,999.80	499.21	-23.00	499.65	0.00	0.00	0.00
11,400.00	90.56	357.25	10,998.82	599.09	-27.80	599.62	0.00	0.00	0.00
11,500.00	90.56	357.25	10,997.84	698.97	-32.60	699.60	0.00	0.00	0.00
11,600.00	90.56	357.25	10,996.87	798.85	-37.40	799.57	0.00	0.00	0.00
11,700.00	90.56	357.25	10,995.89	898.73	-42.20	899.54	0.00	0.00	0.00
11,800.00	90.56	357.25	10,994.91	998.61	-47.00	999.52	0.00	0.00	0.00
11,900.00	90.56	357.25	10,993.93	1,098.49	-51.80	1,099.49	0.00	0.00	0.00
12,000.00	90.56	357.25	10,992.96	1,198.37	-56.60	1,199.47	0.00	0.00	0.00
12,100.00	90.56	357.25	10,991.98	1,298.25	-61.40	1,299.44	0.00	0.00	0.00
12,200.00	90.56	357.25	10,991.00	1,398.13	-66.20	1,399.41	0.00	0.00	0.00
12,300.00	90.56	357.25	10,990.02	1,498.01	-71.00	1,499.39	0.00	0.00	0.00
12,400.00	90.56	357.25	10,989.05	1,597.89	-75.80	1,599.36	0.00	0.00	0.00
12,500.00	90.56	357.25	10,988.07	1,697.77	-80.60	1,699.33	0.00	0.00	0.00
12,600.00	90.56	357.25	10,987.09	1,797.65	-85.39	1,799.31	0.00	0.00	0.00
12,700.00	90.56	357.25	10,986.12	1,897.53	-90.19	1,899.28	0.00	0.00	0.00
12,800.00	90.56	357.25	10,985.14	1,997.41	-94.99	1,999.26	0.00	0.00	0.00
12,900.00	90.56	357.25	10,984.16	2,097.29	-99.79	2,099.23	0.00	0.00	0.00
13,000.00	90.56	357.25	10,983.18	2,197.17	-104.59	2,199.20	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 #66H
Wellbore: Original Wellbore
Design: Plan 4

Local Co-ordinate Reference: Well Lea Unit #66H
TVD Reference: RKB @ 3694.01ft
MD Reference: RKB @ 3694.01ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,100.00	90.56	357.25	10,982.21	2,297.05	-109.39	2,299.18	0.00	0.00	0.00
13,200.00	90.56	357.25	10,981.23	2,396.93	-114.19	2,399.15	0.00	0.00	0.00
13,300.00	90.56	357.25	10,980.25	2,496.81	-118.99	2,499.12	0.00	0.00	0.00
13,400.00	90.56	357.25	10,979.27	2,596.69	-123.79	2,599.10	0.00	0.00	0.00
13,500.00	90.56	357.25	10,978.30	2,696.57	-128.59	2,699.07	0.00	0.00	0.00
13,600.00	90.56	357.25	10,977.32	2,796.45	-133.39	2,799.05	0.00	0.00	0.00
13,700.00	90.56	357.25	10,976.34	2,896.33	-138.19	2,899.02	0.00	0.00	0.00
13,800.00	90.56	357.25	10,975.36	2,996.21	-142.99	2,998.99	0.00	0.00	0.00
13,900.00	90.56	357.25	10,974.39	3,096.09	-147.79	3,098.97	0.00	0.00	0.00
14,000.00	90.56	357.25	10,973.41	3,195.97	-152.59	3,198.94	0.00	0.00	0.00
14,100.00	90.56	357.25	10,972.43	3,295.85	-157.39	3,298.91	0.00	0.00	0.00
14,200.00	90.56	357.25	10,971.45	3,395.73	-162.19	3,398.89	0.00	0.00	0.00
14,300.00	90.56	357.25	10,970.48	3,495.61	-166.99	3,498.86	0.00	0.00	0.00
14,400.00	90.56	357.25	10,969.50	3,595.49	-171.78	3,598.84	0.00	0.00	0.00
14,500.00	90.56	357.25	10,968.52	3,695.37	-176.58	3,698.81	0.00	0.00	0.00
14,600.00	90.56	357.25	10,967.55	3,795.25	-181.38	3,798.78	0.00	0.00	0.00
14,700.00	90.56	357.25	10,966.57	3,895.13	-186.18	3,898.76	0.00	0.00	0.00
14,800.00	90.56	357.25	10,965.59	3,995.01	-190.98	3,998.73	0.00	0.00	0.00
14,900.00	90.56	357.25	10,964.61	4,094.89	-195.78	4,098.70	0.00	0.00	0.00
15,000.00	90.56	357.25	10,963.64	4,194.77	-200.58	4,198.68	0.00	0.00	0.00
15,100.00	90.56	357.25	10,962.66	4,294.65	-205.38	4,298.65	0.00	0.00	0.00
15,200.00	90.56	357.25	10,961.68	4,394.53	-210.18	4,398.63	0.00	0.00	0.00
15,300.00	90.56	357.25	10,960.70	4,494.41	-214.98	4,498.60	0.00	0.00	0.00
15,400.00	90.56	357.25	10,959.73	4,594.29	-219.78	4,598.57	0.00	0.00	0.00
15,500.00	90.56	357.25	10,958.75	4,694.17	-224.58	4,698.55	0.00	0.00	0.00
15,600.00	90.56	357.25	10,957.77	4,794.05	-229.38	4,798.52	0.00	0.00	0.00
15,700.00	90.56	357.25	10,956.79	4,893.93	-234.18	4,898.49	0.00	0.00	0.00
15,800.00	90.56	357.25	10,955.82	4,993.81	-238.98	4,998.47	0.00	0.00	0.00
15,900.00	90.56	357.25	10,954.84	5,093.69	-243.78	5,098.44	0.00	0.00	0.00
16,000.00	90.56	357.25	10,953.86	5,193.57	-248.58	5,198.42	0.00	0.00	0.00
16,100.00	90.56	357.25	10,952.88	5,293.45	-253.37	5,298.39	0.00	0.00	0.00
16,200.00	90.56	357.25	10,951.91	5,393.33	-258.17	5,398.36	0.00	0.00	0.00
16,300.00	90.56	357.25	10,950.93	5,493.21	-262.97	5,498.34	0.00	0.00	0.00
16,400.00	90.56	357.25	10,949.95	5,593.09	-267.77	5,598.31	0.00	0.00	0.00
16,448.78	90.56	357.25	10,949.48	5,641.81	-270.11	5,647.08	0.00	0.00	0.00
16,500.00	90.51	358.27	10,949.00	5,692.99	-272.12	5,698.29	2.00	-0.11	2.00
16,600.00	90.40	0.27	10,948.21	5,792.97	-273.39	5,798.27	2.00	-0.11	2.00
16,625.63	90.37	0.78	10,948.04	5,818.60	-273.15	5,823.89	2.00	-0.11	2.00
16,700.00	90.37	0.78	10,947.56	5,892.96	-272.14	5,898.19	0.00	0.00	0.00
16,800.00	90.37	0.78	10,946.92	5,992.95	-270.78	5,998.11	0.00	0.00	0.00
16,900.00	90.37	0.78	10,946.27	6,092.94	-269.41	6,098.02	0.00	0.00	0.00
17,000.00	90.37	0.78	10,945.62	6,192.92	-268.05	6,197.93	0.00	0.00	0.00
17,100.00	90.37	0.78	10,944.98	6,292.91	-266.69	6,297.85	0.00	0.00	0.00
17,200.00	90.37	0.78	10,944.33	6,392.90	-265.33	6,397.76	0.00	0.00	0.00
17,300.00	90.37	0.78	10,943.69	6,492.89	-263.96	6,497.68	0.00	0.00	0.00
17,400.00	90.37	0.78	10,943.04	6,592.88	-262.60	6,597.59	0.00	0.00	0.00
17,500.00	90.37	0.78	10,942.40	6,692.87	-261.24	6,697.50	0.00	0.00	0.00
17,600.00	90.37	0.78	10,941.75	6,792.86	-259.87	6,797.42	0.00	0.00	0.00
17,700.00	90.37	0.78	10,941.11	6,892.85	-258.51	6,897.33	0.00	0.00	0.00
17,800.00	90.37	0.78	10,940.46	6,992.83	-257.15	6,997.25	0.00	0.00	0.00
17,900.00	90.37	0.78	10,939.82	7,092.82	-255.79	7,097.16	0.00	0.00	0.00
18,000.00	90.37	0.78	10,939.17	7,192.81	-254.42	7,197.08	0.00	0.00	0.00
18,100.00	90.37	0.78	10,938.53	7,292.80	-253.06	7,296.99	0.00	0.00	0.00
18,200.00	90.37	0.78	10,937.88	7,392.79	-251.70	7,396.90	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 #66H
Wellbore: Original Wellbore
Design: Plan 4

Local Co-ordinate Reference: Well Lea Unit #66H
TVD Reference: RKB @ 3694.01ft
MD Reference: RKB @ 3694.01ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,300.00	90.37	0.78	10,937.23	7,492.78	-250.33	7,496.82	0.00	0.00	0.00
18,400.00	90.37	0.78	10,936.59	7,592.77	-248.97	7,596.73	0.00	0.00	0.00
18,500.00	90.37	0.78	10,935.94	7,692.75	-247.61	7,696.65	0.00	0.00	0.00
18,600.00	90.37	0.78	10,935.30	7,792.74	-246.24	7,796.56	0.00	0.00	0.00
18,700.00	90.37	0.78	10,934.65	7,892.73	-244.88	7,896.47	0.00	0.00	0.00
18,800.00	90.37	0.78	10,934.01	7,992.72	-243.52	7,996.39	0.00	0.00	0.00
18,900.00	90.37	0.78	10,933.36	8,092.71	-242.16	8,096.30	0.00	0.00	0.00
19,000.00	90.37	0.78	10,932.72	8,192.70	-240.79	8,196.22	0.00	0.00	0.00
19,100.00	90.37	0.78	10,932.07	8,292.69	-239.43	8,296.13	0.00	0.00	0.00
19,200.00	90.37	0.78	10,931.43	8,392.67	-238.07	8,396.05	0.00	0.00	0.00
19,300.00	90.37	0.78	10,930.78	8,492.66	-236.70	8,495.96	0.00	0.00	0.00
19,400.00	90.37	0.78	10,930.14	8,592.65	-235.34	8,595.87	0.00	0.00	0.00
19,417.67	90.37	0.78	10,930.02	8,610.32	-235.10	8,613.53	0.00	0.00	0.00

Design Targets

Target Name - hit/miss: target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL/LTP-66H - plan hits target center - Point	0.00	0.00	10,930.02	8,610.32	-235.10	576,178.400	794,881.000	32.581273°N	-103.510196
IP-66H - plan misses target center by 0.52ft at 16448.78ft MD (10949.48 TVD, 5641.81 N, -270.11 E) - Point	0.00	0.00	10,950.00	5,641.81	-270.10	573,209.900	794,846.000	32.573114°N	-103.510385
FTP-66H - plan misses target center by 2.38ft at 11497.35ft MD (10997.87 TVD, 696.32 N, -32.47 E) - Point	0.00	0.00	10,997.02	696.20	-34.70	568,264.300	795,081.400	32.559517°N	-103.509745

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Legacy Reserves
Lea Unit #66H - Plan 4

Lea County, NM (NAD83)
Lea
Your Ref:

Measured Depth (ft)	Incl.	Azim.	Depth (ft)	Vertical Northings (ft)	Eastings (ft)	Vertical Section Rate (°/100ft)	Dogleg	
0.00		0.000	0.000	0.00	0.00	0.00	0.00	0.00
100.00		0.000	0.000	100.00	0.00	0.00	0.00	0.00
200.00		0.000	0.000	200.00	0.00	0.00	0.00	0.00
300.00		0.000	0.000	300.00	0.00	0.00	0.00	0.00
400.00		0.000	0.000	400.00	0.00	0.00	0.00	0.00
500.00		0.000	0.000	500.00	0.00	0.00	0.00	0.00
600.00		0.000	0.000	600.00	0.00	0.00	0.00	0.00
700.00		0.000	0.000	700.00	0.00	0.00	0.00	0.00
800.00		0.000	0.000	800.00	0.00	0.00	0.00	0.00
900.00		0.000	0.000	900.00	0.00	0.00	0.00	0.00
1000.00		0.000	0.000	1000.00	0.00	0.00	0.00	0.00
1100.00		0.000	0.000	1100.00	0.00	0.00	0.00	0.00
1200.00		0.000	0.000	1200.00	0.00	0.00	0.00	0.00
1300.00		0.000	0.000	1300.00	0.00	0.00	0.00	0.00
1400.00		0.000	0.000	1400.00	0.00	0.00	0.00	0.00
1500.00		0.000	0.000	1500.00	0.00	0.00	0.00	0.00
1600.00		0.000	0.000	1600.00	0.00	0.00	0.00	0.00
1700.00		0.000	0.000	1700.00	0.00	0.00	0.00	0.00
1800.00		0.000	0.000	1800.00	0.00	0.00	0.00	0.00
1900.00		0.000	0.000	1900.00	0.00	0.00	0.00	0.00
2000.00		0.000	0.000	2000.00	0.00	0.00	0.00	0.00
2100.00		1.500	90.000	2099.99	0.00	1.31	-0.04	1.50
2200.00		3.000	90.000	2199.91	0.00	5.23	-0.14	1.50
2256.54		3.848	90.000	2256.34	0.00	8.61	-0.24	1.50
2300.00		3.848	90.000	2299.71	0.00	11.53	-0.31	0.00
2400.00		3.848	90.000	2399.48	0.00	18.24	-0.50	0.00
2500.00		3.848	90.000	2499.26	0.00	24.95	-0.68	0.00
2600.00		3.848	90.000	2599.03	0.00	31.66	-0.86	0.00
2700.00		3.848	90.000	2698.81	0.00	38.37	-1.05	0.00
2744.96		3.848	90.000	2743.67	0.00	41.39	-1.13	0.00
2800.00		3.022	90.000	2798.61	0.00	44.69	-1.22	1.50
2900.00		1.522	90.000	2898.53	0.00	48.65	-1.33	1.50
3001.49		0.000	0.000	3000.01	0.00	50.00	-1.36	1.50
3100.00		0.000	0.000	3098.51	0.00	50.00	-1.36	0.00
3200.00		0.000	0.000	3198.51	0.00	50.00	-1.36	0.00
3300.00		0.000	0.000	3298.51	0.00	50.00	-1.36	0.00
3400.00		0.000	0.000	3398.51	0.00	50.00	-1.36	0.00
3500.00		0.000	0.000	3498.51	0.00	50.00	-1.36	0.00
3600.00		0.000	0.000	3598.51	0.00	50.00	-1.36	0.00
3700.00		0.000	0.000	3698.51	0.00	50.00	-1.36	0.00
3800.00		0.000	0.000	3798.51	0.00	50.00	-1.36	0.00
3900.00		0.000	0.000	3898.51	0.00	50.00	-1.36	0.00
4000.00		0.000	0.000	3998.51	0.00	50.00	-1.36	0.00
4100.00		0.000	0.000	4098.51	0.00	50.00	-1.36	0.00
4200.00		0.000	0.000	4198.51	0.00	50.00	-1.36	0.00
4300.00		0.000	0.000	4298.51	0.00	50.00	-1.36	0.00
4400.00		0.000	0.000	4398.51	0.00	50.00	-1.36	0.00
4500.00		0.000	0.000	4498.51	0.00	50.00	-1.36	0.00
4600.00		0.000	0.000	4598.51	0.00	50.00	-1.36	0.00
4700.00		0.000	0.000	4698.51	0.00	50.00	-1.36	0.00
4800.00		0.000	0.000	4798.51	0.00	50.00	-1.36	0.00
4900.00		0.000	0.000	4898.51	0.00	50.00	-1.36	0.00
5000.00		0.000	0.000	4998.51	0.00	50.00	-1.36	0.00
5100.00		0.000	0.000	5098.51	0.00	50.00	-1.36	0.00
5200.00		0.000	0.000	5198.51	0.00	50.00	-1.36	0.00
5300.00		0.000	0.000	5298.51	0.00	50.00	-1.36	0.00
5400.00		0.000	0.000	5398.51	0.00	50.00	-1.36	0.00

5500.00	0.000	0.000	5498.51	0.00	50.00	-1.36	0.00
5600.00	0.000	0.000	5598.51	0.00	50.00	-1.36	0.00
5700.00	0.000	0.000	5698.51	0.00	50.00	-1.36	0.00
5800.00	0.000	0.000	5798.51	0.00	50.00	-1.36	0.00
5900.00	0.000	0.000	5898.51	0.00	50.00	-1.36	0.00
6000.00	0.000	0.000	5998.51	0.00	50.00	-1.36	0.00
6100.00	0.000	0.000	6098.51	0.00	50.00	-1.36	0.00
6200.00	0.000	0.000	6198.51	0.00	50.00	-1.36	0.00
6300.00	0.000	0.000	6298.51	0.00	50.00	-1.36	0.00
6400.00	0.000	0.000	6398.51	0.00	50.00	-1.36	0.00
6500.00	0.000	0.000	6498.51	0.00	50.00	-1.36	0.00
6600.00	0.000	0.000	6598.51	0.00	50.00	-1.36	0.00
6700.00	0.000	0.000	6698.51	0.00	50.00	-1.36	0.00
6800.00	0.000	0.000	6798.51	0.00	50.00	-1.36	0.00
6900.00	0.000	0.000	6898.51	0.00	50.00	-1.36	0.00
7000.00	0.000	0.000	6998.51	0.00	50.00	-1.36	0.00
7100.00	0.000	0.000	7098.51	0.00	50.00	-1.36	0.00
7200.00	0.000	0.000	7198.51	0.00	50.00	-1.36	0.00
7300.00	0.000	0.000	7298.51	0.00	50.00	-1.36	0.00
7400.00	0.000	0.000	7398.51	0.00	50.00	-1.36	0.00
7500.00	0.000	0.000	7498.51	0.00	50.00	-1.36	0.00
7600.00	0.000	0.000	7598.51	0.00	50.00	-1.36	0.00
7700.00	0.000	0.000	7698.51	0.00	50.00	-1.36	0.00
7800.00	0.000	0.000	7798.51	0.00	50.00	-1.36	0.00
7900.00	0.000	0.000	7898.51	0.00	50.00	-1.36	0.00
8000.00	0.000	0.000	7998.51	0.00	50.00	-1.36	0.00
8100.00	0.000	0.000	8098.51	0.00	50.00	-1.36	0.00
8200.00	0.000	0.000	8198.51	0.00	50.00	-1.36	0.00
8300.00	0.000	0.000	8298.51	0.00	50.00	-1.36	0.00
8400.00	0.000	0.000	8398.51	0.00	50.00	-1.36	0.00
8500.00	0.000	0.000	8498.51	0.00	50.00	-1.36	0.00
8600.00	0.000	0.000	8598.51	0.00	50.00	-1.36	0.00
8700.00	0.000	0.000	8698.51	0.00	50.00	-1.36	0.00
8800.00	0.000	0.000	8798.51	0.00	50.00	-1.36	0.00
8900.00	0.000	0.000	8898.51	0.00	50.00	-1.36	0.00
9000.00	0.000	0.000	8998.51	0.00	50.00	-1.36	0.00
9100.00	0.000	0.000	9098.51	0.00	50.00	-1.36	0.00
9200.00	0.000	0.000	9198.51	0.00	50.00	-1.36	0.00
9300.00	0.000	0.000	9298.51	0.00	50.00	-1.36	0.00
9400.00	0.000	0.000	9398.51	0.00	50.00	-1.36	0.00
9500.00	0.000	0.000	9498.51	0.00	50.00	-1.36	0.00
9600.00	0.000	0.000	9598.51	0.00	50.00	-1.36	0.00
9700.00	0.000	0.000	9698.51	0.00	50.00	-1.36	0.00
9800.00	0.000	0.000	9798.51	0.00	50.00	-1.36	0.00
9900.00	0.000	0.000	9898.51	0.00	50.00	-1.36	0.00
10000.00	0.000	0.000	9998.51	0.00	50.00	-1.36	0.00
10100.00	0.000	0.000	10098.51	0.00	50.00	-1.36	0.00
10200.00	0.000	0.000	10198.51	0.00	50.00	-1.36	0.00
10300.00	0.000	0.000	10298.51	0.00	50.00	-1.36	0.00
10400.00	0.000	0.000	10398.51	0.00	50.00	-1.36	0.00
10500.00	0.000	0.000	10498.51	0.00	50.00	-1.36	0.00
10519.51	0.000	0.000	10518.02	0.00	50.00	-1.36	0.00
10525.00	0.659	343.500	10523.51	0.03	49.99	-1.33	12.00
10550.00	3.659	343.500	10548.49	0.93	49.72	-0.42	12.00
10575.00	6.659	343.500	10573.39	3.09	49.09	1.75	12.00
10600.00	9.659	343.500	10598.13	6.49	48.08	5.18	12.00
10625.00	12.659	343.500	10622.66	11.13	46.70	9.85	12.00
10650.00	15.659	343.500	10646.89	16.99	44.97	15.76	12.00
10675.00	18.659	343.500	10670.78	24.06	42.87	22.88	12.00
10700.00	21.659	343.500	10694.25	32.32	40.43	31.21	12.00
10725.00	24.659	343.500	10717.23	41.75	37.63	40.71	12.00
10750.00	27.659	343.500	10739.66	52.32	34.50	51.35	12.00
10769.51	30.000	343.500	10756.75	61.33	31.83	60.44	12.00
10775.00	30.635	343.850	10761.49	63.99	31.05	63.12	12.00
10800.00	33.536	345.290	10782.67	76.80	27.53	76.02	12.00
10825.00	36.451	346.526	10803.15	90.70	24.04	90.01	12.00
10850.00	39.378	347.601	10822.87	105.67	20.61	105.07	12.00
10875.00	42.313	348.551	10841.78	121.67	17.23	121.15	12.00
10900.00	45.255	349.399	10859.83	138.64	13.93	138.21	12.00
10925.00	48.202	350.165	10876.97	156.56	10.70	156.21	12.00
10950.00	51.155	350.863	10893.14	175.36	7.57	175.08	12.00
10975.00	54.111	351.505	10908.31	194.99	4.52	194.79	12.00
11000.00	57.071	352.102	10922.44	215.40	1.58	215.28	12.00
11025.00	60.033	352.659	10935.48	236.54	-1.24	236.48	12.00

11050.00	62.997	353.185	10947.40	258.34	-3.95	258.35	12.00
11075.00	65.963	353.683	10958.17	280.75	-6.53	280.83	12.00
11100.00	68.931	354.159	10967.76	303.71	-8.97	303.84	12.00
11125.00	71.900	354.616	10976.14	327.15	-11.27	327.33	12.00
11150.00	74.870	355.058	10983.29	351.00	-13.43	351.24	12.00
11175.00	77.840	355.487	10989.18	375.21	-15.43	375.49	12.00
11200.00	80.812	355.908	10993.81	399.71	-17.27	400.03	12.00
11225.00	83.784	356.321	10997.16	424.42	-18.95	424.78	12.00
11250.00	86.756	356.729	10999.23	449.29	-20.46	449.68	12.00
11275.00	89.728	357.135	10999.99	474.24	-21.80	474.66	12.00
11281.99	90.560	357.249	10999.97	481.22	-22.14	481.65	12.00
11300.00	90.560	357.249	10999.80	499.21	-23.00	499.65	0.00
11400.00	90.560	357.249	10998.82	599.09	-27.80	599.62	0.00
11500.00	90.560	357.249	10997.84	698.97	-32.60	699.60	0.00
11600.00	90.560	357.249	10996.87	798.85	-37.40	799.57	0.00
11700.00	90.560	357.249	10995.89	898.73	-42.20	899.54	0.00
11800.00	90.560	357.249	10994.91	998.61	-47.00	999.52	0.00
11900.00	90.560	357.249	10993.93	1098.49	-51.80	1099.49	0.00
12000.00	90.560	357.249	10992.96	1198.37	-56.60	1199.47	0.00
12100.00	90.560	357.249	10991.98	1298.25	-61.40	1299.44	0.00
12200.00	90.560	357.249	10991.00	1398.13	-66.20	1399.41	0.00
12300.00	90.560	357.249	10990.02	1498.01	-71.00	1499.39	0.00
12400.00	90.560	357.249	10989.05	1597.89	-75.80	1599.36	0.00
12500.00	90.560	357.249	10988.07	1697.77	-80.60	1699.33	0.00
12600.00	90.560	357.249	10987.09	1797.65	-85.39	1799.31	0.00
12700.00	90.560	357.249	10986.12	1897.53	-90.19	1899.28	0.00
12800.00	90.560	357.249	10985.14	1997.41	-94.99	1999.26	0.00
12900.00	90.560	357.249	10984.16	2097.29	-99.79	2099.23	0.00
13000.00	90.560	357.249	10983.18	2197.17	-104.59	2199.20	0.00
13100.00	90.560	357.249	10982.21	2297.05	-109.39	2299.18	0.00
13200.00	90.560	357.249	10981.23	2396.93	-114.19	2399.15	0.00
13300.00	90.560	357.249	10980.25	2496.81	-118.99	2499.12	0.00
13400.00	90.560	357.249	10979.27	2596.69	-123.79	2599.10	0.00
13500.00	90.560	357.249	10978.30	2696.57	-128.59	2699.07	0.00
13600.00	90.560	357.249	10977.32	2796.45	-133.39	2799.05	0.00
13700.00	90.560	357.249	10976.34	2896.33	-138.19	2899.02	0.00
13800.00	90.560	357.249	10975.36	2996.21	-142.99	2998.99	0.00
13900.00	90.560	357.249	10974.39	3096.09	-147.79	3098.97	0.00
14000.00	90.560	357.249	10973.41	3195.97	-152.59	3198.94	0.00
14100.00	90.560	357.249	10972.43	3295.85	-157.39	3298.91	0.00
14200.00	90.560	357.249	10971.45	3395.73	-162.19	3398.89	0.00
14300.00	90.560	357.249	10970.48	3495.61	-166.99	3498.86	0.00
14400.00	90.560	357.249	10969.50	3595.49	-171.78	3598.84	0.00
14500.00	90.560	357.249	10968.52	3695.37	-176.58	3698.81	0.00
14600.00	90.560	357.249	10967.55	3795.25	-181.38	3798.78	0.00
14700.00	90.560	357.249	10966.57	3895.13	-186.18	3898.76	0.00
14800.00	90.560	357.249	10965.59	3995.01	-190.98	3998.73	0.00
14900.00	90.560	357.249	10964.61	4094.89	-195.78	4098.70	0.00
15000.00	90.560	357.249	10963.64	4194.77	-200.58	4198.68	0.00
15100.00	90.560	357.249	10962.66	4294.65	-205.38	4298.65	0.00
15200.00	90.560	357.249	10961.68	4394.53	-210.18	4398.63	0.00
15300.00	90.560	357.249	10960.70	4494.41	-214.98	4498.60	0.00
15400.00	90.560	357.249	10959.73	4594.29	-219.78	4598.57	0.00
15500.00	90.560	357.249	10958.75	4694.17	-224.58	4698.55	0.00
15600.00	90.560	357.249	10957.77	4794.05	-229.38	4798.52	0.00
15700.00	90.560	357.249	10956.79	4893.93	-234.18	4898.49	0.00
15800.00	90.560	357.249	10955.82	4993.81	-238.98	4998.47	0.00
15900.00	90.560	357.249	10954.84	5093.69	-243.78	5098.44	0.00
16000.00	90.560	357.249	10953.86	5193.57	-248.58	5198.42	0.00
16100.00	90.560	357.249	10952.88	5293.45	-253.37	5298.39	0.00
16200.00	90.560	357.249	10951.91	5393.33	-258.17	5398.36	0.00
16300.00	90.560	357.249	10950.93	5493.21	-262.97	5498.34	0.00
16400.00	90.560	357.249	10949.95	5593.09	-267.77	5598.31	0.00
16448.78	90.560	357.249	10949.48	5641.81	-270.11	5647.08	0.00
16500.00	90.505	358.272	10949.00	5692.99	-272.12	5698.29	2.00
16600.00	90.397	0.269	10948.21	5792.97	-273.39	5798.27	2.00
16625.63	90.370	0.781	10948.04	5818.60	-273.15	5823.89	2.00
16700.00	90.370	0.781	10947.56	5892.96	-272.14	5898.19	0.00
16800.00	90.370	0.781	10946.92	5992.95	-270.78	5998.11	0.00
16900.00	90.370	0.781	10946.27	6092.94	-269.41	6098.02	0.00
17000.00	90.370	0.781	10945.62	6192.92	-268.05	6197.93	0.00
17100.00	90.370	0.781	10944.98	6292.91	-266.69	6297.85	0.00
17200.00	90.370	0.781	10944.33	6392.90	-265.33	6397.76	0.00
17300.00	90.370	0.781	10943.69	6492.89	-263.96	6497.68	0.00

17400.00	90.370	0.781	10943.04	6592.88	-262.60	6597.59	0.00
17500.00	90.370	0.781	10942.40	6692.87	-261.24	6697.50	0.00
17600.00	90.370	0.781	10941.75	6792.86	-259.87	6797.42	0.00
17700.00	90.370	0.781	10941.11	6892.85	-258.51	6897.33	0.00
17800.00	90.370	0.781	10940.46	6992.83	-257.15	6997.25	0.00
17900.00	90.370	0.781	10939.82	7092.82	-255.79	7097.16	0.00
18000.00	90.370	0.781	10939.17	7192.81	-254.42	7197.08	0.00
18100.00	90.370	0.781	10938.53	7292.80	-253.06	7296.99	0.00
18200.00	90.370	0.781	10937.88	7392.79	-251.70	7396.90	0.00
18300.00	90.370	0.781	10937.23	7492.78	-250.33	7496.82	0.00
18400.00	90.370	0.781	10936.59	7592.77	-248.97	7596.73	0.00
18500.00	90.370	0.781	10935.94	7692.75	-247.61	7696.65	0.00
18600.00	90.370	0.781	10935.30	7792.74	-246.24	7796.56	0.00
18700.00	90.370	0.781	10934.65	7892.73	-244.88	7896.47	0.00
18800.00	90.370	0.781	10934.01	7992.72	-243.52	7996.39	0.00
18900.00	90.370	0.781	10933.36	8092.71	-242.16	8096.30	0.00
19000.00	90.370	0.781	10932.72	8192.70	-240.79	8196.22	0.00
19100.00	90.370	0.781	10932.07	8292.69	-239.43	8296.13	0.00
19200.00	90.370	0.781	10931.43	8392.67	-238.07	8396.05	0.00
19300.00	90.370	0.781	10930.78	8492.66	-236.70	8495.96	0.00
19400.00	90.370	0.781	10930.14	8592.65	-235.34	8595.87	0.00
19417.67	90.370	0.781	10930.02	8610.32	-235.10	8613.53	0.00

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to RKB. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 358.436° (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.
Central meridian is -104.333°.
Grid Convergence at Surface is 0.443°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 19417.67ft.,
the Bottom Hole Displacement is 8613.53ft., in the Direction of 358.436° (Grid).