

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.
NMNM06531A

6. Name of allottee or Tribe Name

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

8. Well Name and No.
LEA UNIT 200H9. API Well No.
30-025-45212-00-X110. Field and Pool or Exploratory Area
LEA11. 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

Contact: SHERRY MORROW

E-Mail: smorrow@legacyp.com

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 11 T20S R34E NWNE 140FNL 1740FEL
32.594501 N Lat, 103.527977 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 APD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 2538' FNL of Section 14. See attached Form C-102 for details. Also attached the updated Directional Plan with Anti-Collision Report to reflect new BHL.

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

Electronic Submission #436415 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 09/26/2018 (18PP1958SE)

Name (Printed/Typed) MATT DICKSON

Title DRILLING ENGINEER

Signature (Electronic Submission)

Date 09/21/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Mustafa Hagne

Title

Date 10-31-2018

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

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 ****

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 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) 478-3460 Fax: (505) 478-3462

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 30-025-45212	Pool Code 98247	Pool Name WC-025 G-09 S20343SD; Wolfcamp
Property Code 302802	Property Name LEA UNIT	Well Number 200H
OGRID No. 240974	Operator Name LEGACY RESERVES OPERATING LP	Elevation 3665'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	11	20 S	34 E		140	NORTH	1740	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
G	14	20 S	34 E		2538	NORTH	2210	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:
1) 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.

S 67°45'28" W 140'
506' #200H (SL)
Gr. El.: 3665'

First Take Point

11

The LEA UNIT #200H Path follows the LEA UNIT #100H SH Path at a different depth

S 00°26'49" E - 7488'

2538'

Last Take Point/ Bottom Hole Location

14

2210'

SURFACE LOCATION (NAD83)
Plane Coordinate
X = 789,367.0
Y = 580,949.0
Geodetic (D.D.)
32.59450037° N
103.52797866° W

FIRST TAKE POINT (NAD83)
Plane Coordinate
X = 788,898.5
Y = 580,757.4
Geodetic (D.D.)
32.59398343° N
103.52950471° W

BOTTOM HOLE LOCATION & LAST TAKE POINT (NAD83)
Plane Coordinate
X = 788,956.9
Y = 573,269.9
Geodetic (D.D.)
32.57340297° N
103.52949873° W

Scale
1" = 2000'

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 unleased 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.

Sherry Morrow 9/19/2017
Signature Date
Sherry Morrow
Printed Name
smorrow@legacylp.com
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

Lindsay Gyga
Signature & Seal of Professional Surveyor

23263
PROFESSIONAL SURVEYOR

W.O. Num. 2017-0929 I

Certificate No. Lindsay Gyga 23263

Legacy Reserves

Lea County, NM (NAD83)

Lea

Lea Unit #200H

Original Wellbore

Plan 1

Anticollision Summary Report

14 September, 2018



Company:	Legacy Reserves	Local Co-ordinate Reference:	Well Lea Unit #200H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3692.0usft
Reference Site:	Lea	MD Reference:	RKB @ 3692.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Lea Unit #200H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at:	2.00 sigma
Reference Wellbore:	Original Wellbore	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan 1	Offset TVD Reference:	Reference Datum

Reference	Plan 1
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	MD + Stations Interval 30.0usft
Depth Range:	Unlimited
Results Limited by:	Maximum centre distance of 10,000.0usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Pedal Curve
Casing Method:	Not applied

Survey Tool Program	Date	9/11/2018
From (usft)	To (usft)	Survey (Wellbore)
0.0	19,300.4	Plan 1 (Original Wellbore)
Tool Name	Description	
MWD	MWD - Standard	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Lea						
Lea Unit #100H - Original Wellbore - Plan 1	1,001.2	992.2	50.0	43.3	7.455	CC
Lea Unit #100H - Original Wellbore - Plan 1	1,050.0	1,040.5	50.2	43.2	7.122	ES
Lea Unit #100H - Original Wellbore - Plan 1	10,860.0	10,862.6	141.6	63.8	1.820	SF
Lea Unit #101H - Original Wellbore - Plan 1	1,500.0	1,500.0	50.0	39.7	4.855	CC
Lea Unit #101H - Original Wellbore - Plan 1	1,530.0	1,530.0	50.1	39.6	4.768	ES
Lea Unit #101H - Original Wellbore - Plan 1	19,300.4	18,776.1	773.4	553.6	3.518	SF
Lea Unit #102H - Original Wellbore - Plan 1	1,474.7	1,475.7	524.9	514.8	51.864	CC
Lea Unit #102H - Original Wellbore - Plan 1	1,530.0	1,531.0	525.0	514.5	49.932	ES
Lea Unit #102H - Original Wellbore - Plan 1	19,300.4	18,785.1	1,291.1	1,039.3	5.127	SF
Lea Unit #103H - Original Wellbore - Plan 1	991.3	992.3	674.9	668.2	101.408	CC
Lea Unit #103H - Original Wellbore - Plan 1	1,020.0	1,018.0	675.0	668.1	98.559	ES
Lea Unit #103H - Original Wellbore - Plan 1	19,300.4	18,617.9	1,849.2	1,588.8	7.102	SF
Lea Unit #201H - Original Wellbore - Plan 1	1,000.0	1,000.0	100.1	93.4	14.909	CC
Lea Unit #201H - Original Wellbore - Plan 1	1,110.0	1,109.4	100.4	92.9	13.391	ES
Lea Unit #201H - Original Wellbore - Plan 1	19,300.4	19,371.8	590.0	321.0	2.194	SF
Lea Unit #202H - Original Wellbore - Plan 1	991.3	992.3	574.9	568.2	86.382	CC
Lea Unit #202H - Original Wellbore - Plan 1	1,020.0	1,018.7	574.9	568.1	83.909	ES
Lea Unit #202H - Original Wellbore - Plan 1	19,300.4	19,373.5	1,190.0	921.1	4.425	SF
Lea Unit #203H - Original Wellbore - Plan 1	1,474.7	1,475.7	625.0	614.9	61.755	CC
Lea Unit #203H - Original Wellbore - Plan 1	1,500.0	1,500.0	625.0	614.7	60.687	ES
Lea Unit #203H - Original Wellbore - Plan 1	19,300.4	19,308.8	1,780.0	1,511.3	6.624	SF
Lea Unit #54H - Original Wellbore - Original Wellbore	531.4	518.4	29.5	26.2	8.980	CC
Lea Unit #54H - Original Wellbore - Original Wellbore	870.0	856.8	30.7	25.1	5.412	ES
Lea Unit #54H - Original Wellbore - Original Wellbore	1,890.0	1,876.3	41.9	29.0	3.244	SF
Lea Unit #55H - Original Wellbore - Original Wellbore	1,515.7	1,503.9	53.0	45.0	6.636	CC
Lea Unit #55H - Original Wellbore - Original Wellbore	1,560.0	1,548.2	53.2	44.9	6.412	ES
Lea Unit #55H - Original Wellbore - Original Wellbore	1,700.0	1,687.8	56.7	47.4	6.109	SF
Lea Unit #56H - Original Wellbore - Original Wellbore	1,500.5	1,488.5	101.3	91.3	10.119	CC
Lea Unit #56H - Original Wellbore - Original Wellbore	1,530.0	1,518.0	101.4	91.2	9.926	ES
Lea Unit #56H - Original Wellbore - Original Wellbore	9,240.0	9,197.1	544.0	479.8	8.475	SF
Lea Unit #57H - Original Wellbore - Original Wellbore	345.5	334.5	574.4	572.4	287.438	CC
Lea Unit #57H - Original Wellbore - Original Wellbore	510.0	495.2	575.0	571.8	181.719	ES
Lea Unit #57H - Original Wellbore - Original Wellbore	19,230.0	17,641.0	2,086.9	1,872.9	9.756	SF
Lea Unit #58H - Original Wellbore - Original Wellbore	30.0	18.6	625.8	625.7	10,000.000	CC
Lea Unit #58H - Original Wellbore - Original Wellbore	1,560.0	1,553.5	632.1	621.7	60.790	ES
Lea Unit #58H - Original Wellbore - Original Wellbore	19,300.4	16,685.0	2,826.0	2,634.4	14.754	SF

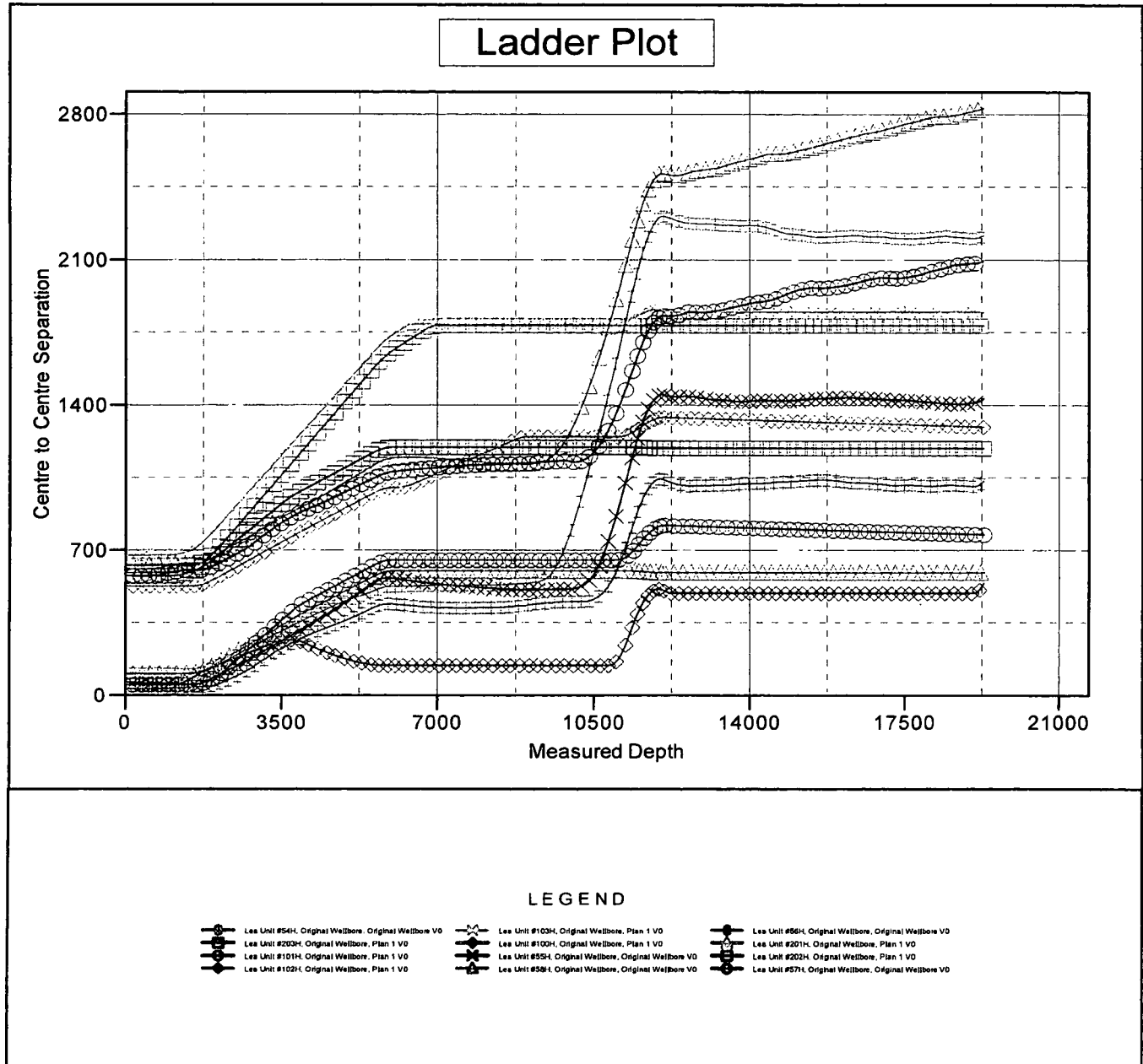
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Reference Site: Lea
Site Error: 0.0 usft
Reference Well: Lea Unit #200H
Well Error: 0.0 usft
Reference Wellbore: Original Wellbore
Reference Design: Plan 1

Local Co-ordinate Reference: Well Lea Unit #200H
TVD Reference: RKB @ 3692.0usft
MD Reference: RKB @ 3692.0usft
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 @ 3692.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Lea Unit #200H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.43°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

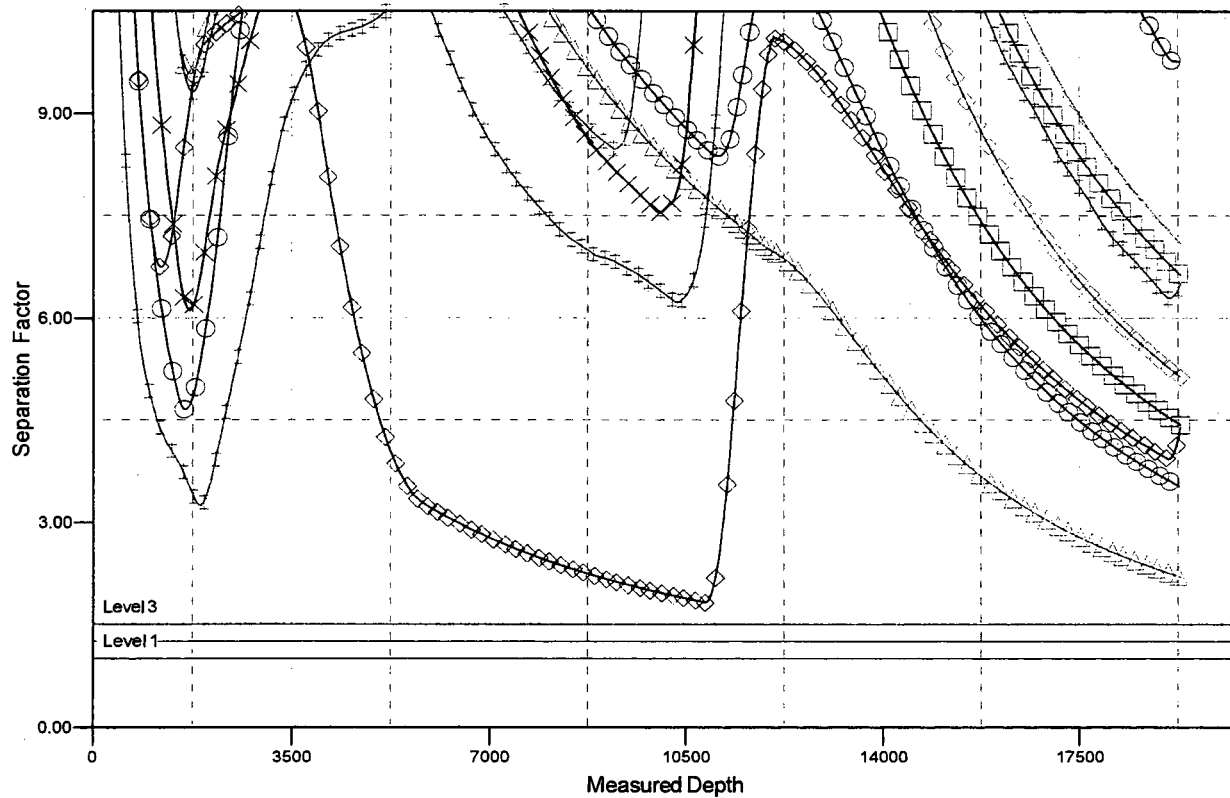
Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Reference Site: Lea
Site Error: 0.0 usft
Reference Well: Lea Unit #200H
Well Error: 0.0 usft
Reference Wellbore: Original Wellbore
Reference Design: Plan 1

Local Co-ordinate Reference: Well Lea Unit #200H
TVD Reference: RKB @ 3692.0usft
MD Reference: RKB @ 3692.0usft
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 @ 3692.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Lea Unit #200H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.43°

Separation Factor Plot



LEGEND

- | | | |
|--|--|--|
| Lea Unit #54H, Original Wellbore, Original Wellbore V0 | Lea Unit #103H, Original Wellbore, Plan 1 V0 | Lea Unit #56H, Original Wellbore, Original Wellbore V0 |
| Lea Unit #203H, Original Wellbore, Plan 1 V0 | Lea Unit #100H, Original Wellbore, Plan 1 V0 | Lea Unit #201H, Original Wellbore, Plan 1 V0 |
| Lea Unit #101H, Original Wellbore, Plan 1 V0 | Lea Unit #55H, Original Wellbore, Original Wellbore V0 | Lea Unit #202H, Original Wellbore, Plan 1 V0 |
| Lea Unit #102H, Original Wellbore, Plan 1 V0 | Lea Unit #58H, Original Wellbore, Original Wellbore V0 | Lea Unit #57H, Original Wellbore, Original Wellbore V0 |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Legacy Reserves

Lea County, NM (NAD83)

Lea

Lea Unit #200H

Original Wellbore

Plan: Plan 1

Standard Planning Report

14 September, 2018



Database: EDM 5000.1 Single User Db
Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Site: Lea
Well: Lea Unit #200H
Wellbore: Original Wellbore
Design: Plan 1

Local Co-ordinate Reference: Well Lea Unit #200H
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 #200H		
Well Position	+N-S	13,362.0 usft	Northing: 580,949.00 usft
	+E-W	-7,889.1 usft	Easting: 789,367.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,692.0 usft
		Latitude:	32° 35' 40.201 N
		Longitude:	103° 31' 40.724 W
		Ground Level:	3,665.0 usft

Wellbore	Original Wellbore		
Magnetics	Model Name	Sample Date	Declination
	IGRF2000	2/27/2018	(°)
			6.73
			(°)
			60.60
			Field Strength
			(nT)
			48,250.50000000

Design	Plan 1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			183.06

Plan Survey Tool Program	Date	9/11/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name	Remarks
(usft)	(usft)			
1	0.0	19,300.4 Plan 1 (Original Wellbore)	MWD	
			MWD - Standard	

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N-S	+E-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,938.8	6.58	270.00	1,937.8	0.0	-25.2	1.50	1.50	0.00	270.00	
5,587.2	6.58	270.00	5,562.2	0.0	-443.3	0.00	0.00	0.00	0.00	
6,026.0	0.00	0.00	6,000.0	0.0	-468.5	1.50	-1.50	0.00	180.00	
11,348.5	0.00	0.00	11,322.6	0.0	-468.5	0.00	0.00	0.00	0.00	
12,098.5	90.00	179.57	11,800.0	-477.5	-464.9	12.00	12.00	0.00	179.57	
19,300.4	90.00	179.56	11,800.0	-7,679.1	-410.1	0.00	0.00	0.00	-85.11	BHL-200H

Database: EDM 5000.1 Single User Db
Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Site: Lea
Well: Lea Unit #200H
Wellbore: Original Wellbore
Design: Plan 1

Local Co-ordinate Reference: Well Lea Unit #200H
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	1.50	270.00	1,600.0	0.0	-1.3	0.1	1.50	1.50	0.00
1,700.0	3.00	270.00	1,699.9	0.0	-5.2	0.3	1.50	1.50	0.00
1,800.0	4.50	270.00	1,799.7	0.0	-11.8	0.6	1.50	1.50	0.00
1,900.0	6.00	270.00	1,899.3	0.0	-20.9	1.1	1.50	1.50	0.00
1,938.8	6.58	270.00	1,937.8	0.0	-25.2	1.3	1.50	1.50	0.00
2,000.0	6.58	270.00	1,998.6	0.0	-32.2	1.7	0.00	0.00	0.00
2,100.0	6.58	270.00	2,098.0	0.0	-43.7	2.3	0.00	0.00	0.00
2,200.0	6.58	270.00	2,197.3	0.0	-55.1	2.9	0.00	0.00	0.00
2,300.0	6.58	270.00	2,296.7	0.0	-66.6	3.6	0.00	0.00	0.00
2,400.0	6.58	270.00	2,396.0	0.0	-78.0	4.2	0.00	0.00	0.00
2,500.0	6.58	270.00	2,495.3	0.0	-89.5	4.8	0.00	0.00	0.00
2,600.0	6.58	270.00	2,594.7	0.0	-101.0	5.4	0.00	0.00	0.00
2,700.0	6.58	270.00	2,694.0	0.0	-112.4	6.0	0.00	0.00	0.00
2,800.0	6.58	270.00	2,793.4	0.0	-123.9	6.6	0.00	0.00	0.00
2,900.0	6.58	270.00	2,892.7	0.0	-135.3	7.2	0.00	0.00	0.00
3,000.0	6.58	270.00	2,992.0	0.0	-146.8	7.8	0.00	0.00	0.00
3,100.0	6.58	270.00	3,091.4	0.0	-158.3	8.4	0.00	0.00	0.00
3,200.0	6.58	270.00	3,190.7	0.0	-169.7	9.1	0.00	0.00	0.00
3,300.0	6.58	270.00	3,290.1	0.0	-181.2	9.7	0.00	0.00	0.00
3,400.0	6.58	270.00	3,389.4	0.0	-192.6	10.3	0.00	0.00	0.00
3,500.0	6.58	270.00	3,488.7	0.0	-204.1	10.9	0.00	0.00	0.00
3,600.0	6.58	270.00	3,588.1	0.0	-215.6	11.5	0.00	0.00	0.00
3,700.0	6.58	270.00	3,687.4	0.0	-227.0	12.1	0.00	0.00	0.00
3,800.0	6.58	270.00	3,786.8	0.0	-238.5	12.7	0.00	0.00	0.00
3,900.0	6.58	270.00	3,886.1	0.0	-250.0	13.3	0.00	0.00	0.00
4,000.0	6.58	270.00	3,985.5	0.0	-261.4	13.9	0.00	0.00	0.00
4,100.0	6.58	270.00	4,084.8	0.0	-272.9	14.6	0.00	0.00	0.00
4,200.0	6.58	270.00	4,184.1	0.0	-284.3	15.2	0.00	0.00	0.00
4,300.0	6.58	270.00	4,283.5	0.0	-295.8	15.8	0.00	0.00	0.00
4,400.0	6.58	270.00	4,382.8	0.0	-307.3	16.4	0.00	0.00	0.00
4,500.0	6.58	270.00	4,482.2	0.0	-318.7	17.0	0.00	0.00	0.00
4,600.0	6.58	270.00	4,581.5	0.0	-330.2	17.6	0.00	0.00	0.00
4,700.0	6.58	270.00	4,680.8	0.0	-341.6	18.2	0.00	0.00	0.00
4,800.0	6.58	270.00	4,780.2	0.0	-353.1	18.8	0.00	0.00	0.00
4,900.0	6.58	270.00	4,879.5	0.0	-364.6	19.4	0.00	0.00	0.00
5,000.0	6.58	270.00	4,978.9	0.0	-376.0	20.1	0.00	0.00	0.00
5,100.0	6.58	270.00	5,078.2	0.0	-387.5	20.7	0.00	0.00	0.00
5,200.0	6.58	270.00	5,177.5	0.0	-399.0	21.3	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 #200H
Wellbore: Original Wellbore
Design: Plan 1

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

Well Lea Unit #200H
 RKB @ 3692.0usft
 RKB @ 3692.0usft
 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)
5,300.0	6.58	270.00	5,276.9	0.0	-410.4	21.9	0.00	0.00	0.00
5,400.0	6.58	270.00	5,376.2	0.0	-421.9	22.5	0.00	0.00	0.00
5,500.0	6.58	270.00	5,475.6	0.0	-433.3	23.1	0.00	0.00	0.00
5,587.2	6.58	270.00	5,562.2	0.0	-443.3	23.6	0.00	0.00	0.00
5,600.0	6.39	270.00	5,574.9	0.0	-444.8	23.7	1.50	-1.50	0.00
5,700.0	4.89	270.00	5,674.4	0.0	-454.6	24.2	1.50	-1.50	0.00
5,800.0	3.39	270.00	5,774.2	0.0	-461.8	24.6	1.50	-1.50	0.00
5,900.0	1.89	270.00	5,874.1	0.0	-466.4	24.9	1.50	-1.50	0.00
6,000.0	0.39	270.00	5,974.0	0.0	-468.4	25.0	1.50	-1.50	0.00
6,026.0	0.00	0.00	6,000.0	0.0	-468.5	25.0	1.50	-1.50	0.00
6,100.0	0.00	0.00	6,074.0	0.0	-468.5	25.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,174.0	0.0	-468.5	25.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,274.0	0.0	-468.5	25.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,374.0	0.0	-468.5	25.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,474.0	0.0	-468.5	25.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,574.0	0.0	-468.5	25.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,674.0	0.0	-468.5	25.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,774.0	0.0	-468.5	25.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,874.0	0.0	-468.5	25.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,974.0	0.0	-468.5	25.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,074.0	0.0	-468.5	25.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,174.0	0.0	-468.5	25.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,274.0	0.0	-468.5	25.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,374.0	0.0	-468.5	25.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,474.0	0.0	-468.5	25.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,574.0	0.0	-468.5	25.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,674.0	0.0	-468.5	25.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,774.0	0.0	-468.5	25.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,874.0	0.0	-468.5	25.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,974.0	0.0	-468.5	25.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,074.0	0.0	-468.5	25.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,174.0	0.0	-468.5	25.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,274.0	0.0	-468.5	25.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,374.0	0.0	-468.5	25.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,474.0	0.0	-468.5	25.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,574.0	0.0	-468.5	25.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,674.0	0.0	-468.5	25.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,774.0	0.0	-468.5	25.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,874.0	0.0	-468.5	25.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,974.0	0.0	-468.5	25.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,074.0	0.0	-468.5	25.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,174.0	0.0	-468.5	25.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,274.0	0.0	-468.5	25.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,374.0	0.0	-468.5	25.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,474.0	0.0	-468.5	25.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,574.0	0.0	-468.5	25.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,674.0	0.0	-468.5	25.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,774.0	0.0	-468.5	25.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,874.0	0.0	-468.5	25.0	0.00	0.00	0.00
10,000.0	0.00	0.00	9,974.0	0.0	-468.5	25.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,074.0	0.0	-468.5	25.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,174.0	0.0	-468.5	25.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,274.0	0.0	-468.5	25.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,374.0	0.0	-468.5	25.0	0.00	0.00	0.00

Database: EDM 5000.1 Single User Db
Company: Legacy Reserves
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Site: Lea
Well: Lea Unit #200H
Wellbore: Original Wellbore
Design: Plan 1

Local Co-ordinate Reference: Well Lea Unit #200H
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)
10,500.0	0.00	0.00	10,474.0	0.0	-468.5	25.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,574.0	0.0	-468.5	25.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,674.0	0.0	-468.5	25.0	0.00	0.00	0.00
10,800.0	0.00	0.00	10,774.0	0.0	-468.5	25.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,874.0	0.0	-468.5	25.0	0.00	0.00	0.00
11,000.0	0.00	0.00	10,974.0	0.0	-468.5	25.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,074.0	0.0	-468.5	25.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,174.0	0.0	-468.5	25.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,274.0	0.0	-468.5	25.0	0.00	0.00	0.00
11,348.5	0.00	0.00	11,322.6	0.0	-468.5	25.0	0.00	0.00	0.00
11,350.0	0.17	179.57	11,324.0	0.0	-468.5	25.0	12.00	12.00	0.00
11,375.0	3.17	179.57	11,349.0	-0.7	-468.5	25.7	12.00	12.00	0.00
11,400.0	6.17	179.57	11,373.9	-2.8	-468.5	27.7	12.00	12.00	0.00
11,425.0	9.17	179.57	11,398.7	-6.1	-468.5	31.1	12.00	12.00	0.00
11,450.0	12.17	179.57	11,423.3	-10.7	-468.4	35.7	12.00	12.00	0.00
11,475.0	15.17	179.57	11,447.6	-16.6	-468.4	41.6	12.00	12.00	0.00
11,500.0	18.17	179.57	11,471.5	-23.8	-468.3	48.8	12.00	12.00	0.00
11,525.0	21.17	179.57	11,495.0	-32.2	-468.3	57.2	12.00	12.00	0.00
11,550.0	24.17	179.57	11,518.1	-41.9	-468.2	66.8	12.00	12.00	0.00
11,575.0	27.17	179.57	11,540.6	-52.7	-468.1	77.6	12.00	12.00	0.00
11,600.0	30.17	179.57	11,562.6	-64.7	-468.0	89.6	12.00	12.00	0.00
11,625.0	33.17	179.57	11,583.8	-77.8	-467.9	102.7	12.00	12.00	0.00
11,650.0	36.17	179.57	11,604.4	-92.0	-467.8	116.9	12.00	12.00	0.00
11,675.0	39.17	179.57	11,624.2	-107.3	-467.7	132.1	12.00	12.00	0.00
11,700.0	42.17	179.57	11,643.1	-123.6	-467.6	148.4	12.00	12.00	0.00
11,725.0	45.17	179.57	11,661.2	-140.9	-467.4	165.6	12.00	12.00	0.00
11,750.0	48.17	179.57	11,678.4	-159.1	-467.3	183.7	12.00	12.00	0.00
11,775.0	51.17	179.57	11,694.5	-178.1	-467.2	202.8	12.00	12.00	0.00
11,800.0	54.17	179.57	11,709.7	-198.0	-467.0	222.6	12.00	12.00	0.00
11,825.0	57.17	179.57	11,723.8	-218.6	-466.9	243.2	12.00	12.00	0.00
11,850.0	60.17	179.57	11,736.8	-240.0	-466.7	264.5	12.00	12.00	0.00
11,875.0	63.17	179.57	11,748.7	-262.0	-466.5	286.5	12.00	12.00	0.00
11,900.0	66.17	179.57	11,759.4	-284.6	-466.4	309.0	12.00	12.00	0.00
11,925.0	69.17	179.57	11,768.8	-307.7	-466.2	332.1	12.00	12.00	0.00
11,950.0	72.17	179.57	11,777.1	-331.3	-466.0	355.7	12.00	12.00	0.00
11,975.0	75.17	179.57	11,784.1	-355.3	-465.8	379.6	12.00	12.00	0.00
12,000.0	78.17	179.57	11,789.9	-379.6	-465.7	403.9	12.00	12.00	0.00
12,025.0	81.17	179.57	11,794.4	-404.2	-465.5	428.4	12.00	12.00	0.00
12,050.0	84.17	179.57	11,797.6	-429.0	-465.3	453.2	12.00	12.00	0.00
12,075.0	87.17	179.57	11,799.5	-453.9	-465.1	478.1	12.00	12.00	0.00
12,098.5	90.00	179.57	11,800.0	-477.5	-464.9	501.6	12.00	12.00	0.00
12,100.0	90.00	179.57	11,800.0	-478.9	-464.9	503.0	0.00	0.00	0.00
12,200.0	90.00	179.57	11,800.0	-578.9	-464.2	602.8	0.00	0.00	0.00
12,300.0	90.00	179.57	11,800.0	-678.9	-463.4	702.6	0.00	0.00	0.00
12,400.0	90.00	179.57	11,800.0	-778.9	-462.7	802.5	0.00	0.00	0.00
12,500.0	90.00	179.57	11,800.0	-878.9	-461.9	902.3	0.00	0.00	0.00
12,600.0	90.00	179.57	11,800.0	-978.9	-461.1	1,002.1	0.00	0.00	0.00
12,700.0	90.00	179.57	11,800.0	-1,078.9	-460.4	1,101.9	0.00	0.00	0.00
12,800.0	90.00	179.57	11,800.0	-1,178.9	-459.6	1,201.7	0.00	0.00	0.00
12,900.0	90.00	179.57	11,800.0	-1,278.9	-458.9	1,301.5	0.00	0.00	0.00
13,000.0	90.00	179.57	11,800.0	-1,378.9	-458.1	1,401.3	0.00	0.00	0.00
13,100.0	90.00	179.57	11,800.0	-1,478.9	-457.4	1,501.2	0.00	0.00	0.00
13,200.0	90.00	179.57	11,800.0	-1,578.9	-456.6	1,601.0	0.00	0.00	0.00
13,300.0	90.00	179.57	11,800.0	-1,678.9	-455.9	1,700.8	0.00	0.00	0.00

Database: EDM 5000.1 Single User Db
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Site: Lea
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Wellbore: Original Wellbore
Design: Plan 1

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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)
13,400.0	90.00	179.57	11,800.0	-1,778.9	-455.1	1,800.6	0.00	0.00	0.00
13,500.0	90.00	179.57	11,800.0	-1,878.9	-454.4	1,900.4	0.00	0.00	0.00
13,600.0	90.00	179.57	11,800.0	-1,978.9	-453.6	2,000.2	0.00	0.00	0.00
13,700.0	90.00	179.57	11,800.0	-2,078.9	-452.9	2,100.1	0.00	0.00	0.00
13,800.0	90.00	179.57	11,800.0	-2,178.9	-452.1	2,199.9	0.00	0.00	0.00
13,900.0	90.00	179.57	11,800.0	-2,278.9	-451.3	2,299.7	0.00	0.00	0.00
14,000.0	90.00	179.57	11,800.0	-2,378.8	-450.6	2,399.5	0.00	0.00	0.00
14,100.0	90.00	179.57	11,800.0	-2,478.8	-449.8	2,499.3	0.00	0.00	0.00
14,200.0	90.00	179.57	11,800.0	-2,578.8	-449.1	2,599.1	0.00	0.00	0.00
14,300.0	90.00	179.57	11,800.0	-2,678.8	-448.3	2,698.9	0.00	0.00	0.00
14,400.0	90.00	179.57	11,800.0	-2,778.8	-447.6	2,798.8	0.00	0.00	0.00
14,500.0	90.00	179.57	11,800.0	-2,878.8	-446.8	2,898.6	0.00	0.00	0.00
14,600.0	90.00	179.57	11,800.0	-2,978.8	-446.1	2,998.4	0.00	0.00	0.00
14,700.0	90.00	179.57	11,800.0	-3,078.8	-445.3	3,098.2	0.00	0.00	0.00
14,800.0	90.00	179.57	11,800.0	-3,178.8	-444.5	3,198.0	0.00	0.00	0.00
14,900.0	90.00	179.57	11,800.0	-3,278.8	-443.8	3,297.8	0.00	0.00	0.00
15,000.0	90.00	179.57	11,800.0	-3,378.8	-443.0	3,397.6	0.00	0.00	0.00
15,100.0	90.00	179.56	11,800.0	-3,478.8	-442.3	3,497.5	0.00	0.00	0.00
15,200.0	90.00	179.56	11,800.0	-3,578.8	-441.5	3,597.3	0.00	0.00	0.00
15,300.0	90.00	179.56	11,800.0	-3,678.8	-440.7	3,697.1	0.00	0.00	0.00
15,400.0	90.00	179.56	11,800.0	-3,778.8	-440.0	3,796.9	0.00	0.00	0.00
15,500.0	90.00	179.56	11,800.0	-3,878.8	-439.2	3,896.7	0.00	0.00	0.00
15,600.0	90.00	179.56	11,800.0	-3,978.8	-438.5	3,996.5	0.00	0.00	0.00
15,700.0	90.00	179.56	11,800.0	-4,078.8	-437.7	4,096.3	0.00	0.00	0.00
15,800.0	90.00	179.56	11,800.0	-4,178.8	-436.9	4,196.2	0.00	0.00	0.00
15,900.0	90.00	179.56	11,800.0	-4,278.8	-436.2	4,296.0	0.00	0.00	0.00
16,000.0	90.00	179.56	11,800.0	-4,378.8	-435.4	4,395.8	0.00	0.00	0.00
16,100.0	90.00	179.56	11,800.0	-4,478.8	-434.6	4,495.6	0.00	0.00	0.00
16,200.0	90.00	179.56	11,800.0	-4,578.8	-433.9	4,595.4	0.00	0.00	0.00
16,300.0	90.00	179.56	11,800.0	-4,678.8	-433.1	4,695.2	0.00	0.00	0.00
16,400.0	90.00	179.56	11,800.0	-4,778.8	-432.4	4,795.0	0.00	0.00	0.00
16,500.0	90.00	179.56	11,800.0	-4,878.8	-431.6	4,894.9	0.00	0.00	0.00
16,600.0	90.00	179.56	11,800.0	-4,978.8	-430.8	4,994.7	0.00	0.00	0.00
16,700.0	90.00	179.56	11,800.0	-5,078.8	-430.1	5,094.5	0.00	0.00	0.00
16,800.0	90.00	179.56	11,800.0	-5,178.8	-429.3	5,194.3	0.00	0.00	0.00
16,900.0	90.00	179.56	11,800.0	-5,278.8	-428.5	5,294.1	0.00	0.00	0.00
17,000.0	90.00	179.56	11,800.0	-5,378.8	-427.8	5,393.9	0.00	0.00	0.00
17,100.0	90.00	179.56	11,800.0	-5,478.8	-427.0	5,493.7	0.00	0.00	0.00
17,200.0	90.00	179.56	11,800.0	-5,578.8	-426.2	5,593.5	0.00	0.00	0.00
17,300.0	90.00	179.56	11,800.0	-5,678.8	-425.5	5,693.4	0.00	0.00	0.00
17,400.0	90.00	179.56	11,800.0	-5,778.8	-424.7	5,793.2	0.00	0.00	0.00
17,500.0	90.00	179.56	11,800.0	-5,878.7	-423.9	5,893.0	0.00	0.00	0.00
17,600.0	90.00	179.56	11,800.0	-5,978.7	-423.2	5,992.8	0.00	0.00	0.00
17,700.0	90.00	179.56	11,800.0	-6,078.7	-422.4	6,092.6	0.00	0.00	0.00
17,800.0	90.00	179.56	11,800.0	-6,178.7	-421.6	6,192.4	0.00	0.00	0.00
17,900.0	90.00	179.56	11,800.0	-6,278.7	-420.9	6,292.2	0.00	0.00	0.00
18,000.0	90.00	179.56	11,800.0	-6,378.7	-420.1	6,392.1	0.00	0.00	0.00
18,100.0	90.00	179.56	11,800.0	-6,478.7	-419.3	6,491.9	0.00	0.00	0.00
18,200.0	90.00	179.56	11,800.0	-6,578.7	-418.6	6,591.7	0.00	0.00	0.00
18,300.0	90.00	179.56	11,800.0	-6,678.7	-417.8	6,691.5	0.00	0.00	0.00
18,400.0	90.00	179.56	11,800.0	-6,778.7	-417.0	6,791.3	0.00	0.00	0.00
18,500.0	90.00	179.56	11,800.0	-6,878.7	-416.3	6,891.1	0.00	0.00	0.00
18,600.0	90.00	179.56	11,800.0	-6,978.7	-415.5	6,990.9	0.00	0.00	0.00
18,700.0	90.00	179.56	11,800.0	-7,078.7	-414.7	7,090.8	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 #200H
Wellbore: Original Wellbore
Design: Plan 1

Local Co-ordinate Reference: Well Lea Unit #200H
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)
18,800.0	90.00	179.56	11,800.0	-7,178.7	-414.0	7,190.6	0.00	0.00	0.00
18,900.0	90.00	179.56	11,800.0	-7,278.7	-413.2	7,290.4	0.00	0.00	0.00
19,000.0	90.00	179.56	11,800.0	-7,378.7	-412.4	7,390.2	0.00	0.00	0.00
19,100.0	90.00	179.56	11,800.0	-7,478.7	-411.6	7,490.0	0.00	0.00	0.00
19,200.0	90.00	179.56	11,800.0	-7,578.7	-410.9	7,589.8	0.00	0.00	0.00
19,300.4	90.00	179.56	11,800.0	-7,679.1	-410.1	7,690.0	0.00	0.00	0.00

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-200H	0.00	0.00	11,705.0	-191.6	-468.5	580,757.40	788,898.50	32° 35' 38.340 N	103° 31' 46.216 W
- plan misses target center by 1.4usft at 11792.1usft MD (11705.0 TVD, -191.6 N, -467.1 E)									
- Point									
BHL-200H	0.00	0.00	11,800.0	-7,679.1	-410.1	573,269.90	788,956.90	32° 34' 24.251 N	103° 31' 46.195 W
- plan hits target center									
- Point									

Legacy Reserves
Lea Unit #200H - Plan 1

Lea County, NM (NAD83)
Lea
Your Ref:

Measured Depth (ft)	Incl.	Azim.	Depth (ft)	Vertical Northings (ft)	Eastings (ft)	Vertical Section Rate (dega/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		1.500	270.000	1599.99	0.00	-1.31	0.07	1.50
1700.00		3.000	270.000	1699.91	0.00	-5.23	0.28	1.50
1800.00		4.500	270.000	1799.69	0.00	-11.77	0.63	1.50
1900.00		6.000	270.000	1899.27	0.00	-20.92	1.12	1.50
1938.75		6.581	270.000	1937.79	0.00	-25.17	1.34	1.50
2000.00		6.581	270.000	1998.63	0.00	-32.19	1.72	0.00
2100.00		6.581	270.000	2097.97	0.00	-43.65	2.33	0.00
2200.00		6.581	270.000	2197.31	0.00	-55.11	2.94	0.00
2300.00		6.581	270.000	2296.66	0.00	-66.57	3.55	0.00
2400.00		6.581	270.000	2396.00	0.00	-78.04	4.16	0.00
2500.00		6.581	270.000	2495.34	0.00	-89.50	4.77	0.00
2600.00		6.581	270.000	2594.68	0.00	-100.96	5.38	0.00
2700.00		6.581	270.000	2694.02	0.00	-112.42	6.00	0.00
2800.00		6.581	270.000	2793.36	0.00	-123.88	6.61	0.00
2900.00		6.581	270.000	2892.70	0.00	-135.34	7.22	0.00
3000.00		6.581	270.000	2992.04	0.00	-146.80	7.83	0.00
3100.00		6.581	270.000	3091.38	0.00	-158.26	8.44	0.00
3200.00		6.581	270.000	3190.72	0.00	-169.73	9.05	0.00
3300.00		6.581	270.000	3290.07	0.00	-181.19	9.66	0.00
3400.00		6.581	270.000	3389.41	0.00	-192.65	10.27	0.00
3500.00		6.581	270.000	3488.75	0.00	-204.11	10.88	0.00
3600.00		6.581	270.000	3588.09	0.00	-215.57	11.50	0.00
3700.00		6.581	270.000	3687.43	0.00	-227.03	12.11	0.00
3800.00		6.581	270.000	3786.77	0.00	-238.49	12.72	0.00
3900.00		6.581	270.000	3886.11	0.00	-249.95	13.33	0.00
4000.00		6.581	270.000	3985.45	0.00	-261.42	13.94	0.00
4100.00		6.581	270.000	4084.79	0.00	-272.88	14.55	0.00
4200.00		6.581	270.000	4184.13	0.00	-284.34	15.16	0.00
4300.00		6.581	270.000	4283.48	0.00	-295.80	15.77	0.00
4400.00		6.581	270.000	4382.82	0.00	-307.26	16.39	0.00
4500.00		6.581	270.000	4482.16	0.00	-318.72	17.00	0.00
4600.00		6.581	270.000	4581.50	0.00	-330.18	17.61	0.00
4700.00		6.581	270.000	4680.84	0.00	-341.64	18.22	0.00
4800.00		6.581	270.000	4780.18	0.00	-353.11	18.83	0.00
4900.00		6.581	270.000	4879.52	0.00	-364.57	19.44	0.00
5000.00		6.581	270.000	4978.86	0.00	-376.03	20.05	0.00
5100.00		6.581	270.000	5078.20	0.00	-387.49	20.66	0.00
5200.00		6.581	270.000	5177.55	0.00	-398.95	21.28	0.00
5300.00		6.581	270.000	5276.89	0.00	-410.41	21.89	0.00
5400.00		6.581	270.000	5376.23	0.00	-421.87	22.50	0.00
5500.00		6.581	270.000	5475.57	0.00	-433.33	23.11	0.00

5587.21	6.581	270.000	5562.20	0.00	-443.33	23.64	0.00
5600.00	6.389	270.000	5574.91	0.00	-444.77	23.72	1.50
5700.00	4.889	270.000	5674.42	0.00	-454.60	24.24	1.50
5800.00	3.389	270.000	5774.16	0.00	-461.82	24.63	1.50
5900.00	1.889	270.000	5874.05	0.00	-466.42	24.87	1.50
6000.00	0.389	270.000	5974.03	0.00	-468.41	24.98	1.50
6025.96	0.000	0.000	5999.99	0.00	-468.50	24.98	1.50
6100.00	0.000	0.000	6074.03	0.00	-468.50	24.98	0.00
6200.00	0.000	0.000	6174.03	0.00	-468.50	24.98	0.00
6300.00	0.000	0.000	6274.03	0.00	-468.50	24.98	0.00
6400.00	0.000	0.000	6374.03	0.00	-468.50	24.98	0.00
6500.00	0.000	0.000	6474.03	0.00	-468.50	24.98	0.00
6600.00	0.000	0.000	6574.03	0.00	-468.50	24.98	0.00
6700.00	0.000	0.000	6674.03	0.00	-468.50	24.98	0.00
6800.00	0.000	0.000	6774.03	0.00	-468.50	24.98	0.00
6900.00	0.000	0.000	6874.03	0.00	-468.50	24.98	0.00
7000.00	0.000	0.000	6974.03	0.00	-468.50	24.98	0.00
7100.00	0.000	0.000	7074.03	0.00	-468.50	24.98	0.00
7200.00	0.000	0.000	7174.03	0.00	-468.50	24.98	0.00
7300.00	0.000	0.000	7274.03	0.00	-468.50	24.98	0.00
7400.00	0.000	0.000	7374.03	0.00	-468.50	24.98	0.00
7500.00	0.000	0.000	7474.03	0.00	-468.50	24.98	0.00
7600.00	0.000	0.000	7574.03	0.00	-468.50	24.98	0.00
7700.00	0.000	0.000	7674.03	0.00	-468.50	24.98	0.00
7800.00	0.000	0.000	7774.03	0.00	-468.50	24.98	0.00
7900.00	0.000	0.000	7874.03	0.00	-468.50	24.98	0.00
8000.00	0.000	0.000	7974.03	0.00	-468.50	24.98	0.00
8100.00	0.000	0.000	8074.03	0.00	-468.50	24.98	0.00
8200.00	0.000	0.000	8174.03	0.00	-468.50	24.98	0.00
8300.00	0.000	0.000	8274.03	0.00	-468.50	24.98	0.00
8400.00	0.000	0.000	8374.03	0.00	-468.50	24.98	0.00
8500.00	0.000	0.000	8474.03	0.00	-468.50	24.98	0.00
8600.00	0.000	0.000	8574.03	0.00	-468.50	24.98	0.00
8700.00	0.000	0.000	8674.03	0.00	-468.50	24.98	0.00
8800.00	0.000	0.000	8774.03	0.00	-468.50	24.98	0.00
8900.00	0.000	0.000	8874.03	0.00	-468.50	24.98	0.00
9000.00	0.000	0.000	8974.03	0.00	-468.50	24.98	0.00
9100.00	0.000	0.000	9074.03	0.00	-468.50	24.98	0.00
9200.00	0.000	0.000	9174.03	0.00	-468.50	24.98	0.00
9300.00	0.000	0.000	9274.03	0.00	-468.50	24.98	0.00
9400.00	0.000	0.000	9374.03	0.00	-468.50	24.98	0.00
9500.00	0.000	0.000	9474.03	0.00	-468.50	24.98	0.00
9600.00	0.000	0.000	9574.03	0.00	-468.50	24.98	0.00
9700.00	0.000	0.000	9674.03	0.00	-468.50	24.98	0.00
9800.00	0.000	0.000	9774.03	0.00	-468.50	24.98	0.00
9900.00	0.000	0.000	9874.03	0.00	-468.50	24.98	0.00
10000.00	0.000	0.000	9974.03	0.00	-468.50	24.98	0.00
10100.00	0.000	0.000	10074.03	0.00	-468.50	24.98	0.00
10200.00	0.000	0.000	10174.03	0.00	-468.50	24.98	0.00
10300.00	0.000	0.000	10274.03	0.00	-468.50	24.98	0.00
10400.00	0.000	0.000	10374.03	0.00	-468.50	24.98	0.00
10500.00	0.000	0.000	10474.03	0.00	-468.50	24.98	0.00
10600.00	0.000	0.000	10574.03	0.00	-468.50	24.98	0.00
10700.00	0.000	0.000	10674.03	0.00	-468.50	24.98	0.00
10800.00	0.000	0.000	10774.03	0.00	-468.50	24.98	0.00
10900.00	0.000	0.000	10874.03	0.00	-468.50	24.98	0.00
11000.00	0.000	0.000	10974.03	0.00	-468.50	24.98	0.00
11100.00	0.000	0.000	11074.03	0.00	-468.50	24.98	0.00
11200.00	0.000	0.000	11174.03	0.00	-468.50	24.98	0.00
11300.00	0.000	0.000	11274.03	0.00	-468.50	24.98	0.00
11348.55	0.000	0.000	11322.58	0.00	-468.50	24.98	0.00
11350.00	0.174	179.570	11324.03	0.00	-468.50	24.99	12.00
11375.00	3.174	179.570	11349.02	-0.73	-468.49	25.72	12.00
11400.00	6.174	179.570	11373.93	-2.77	-468.48	27.75	12.00
11425.00	9.174	179.570	11398.70	-6.11	-468.45	31.08	12.00
11450.00	12.174	179.570	11423.27	-10.74	-468.42	35.70	12.00
11475.00	15.174	179.570	11447.56	-16.65	-468.38	41.60	12.00
11500.00	18.174	179.570	11471.50	-23.82	-468.32	48.76	12.00
11525.00	21.174	179.570	11495.04	-32.23	-468.26	57.16	12.00
11550.00	24.174	179.570	11518.11	-41.87	-468.19	66.78	12.00
11575.00	27.174	179.570	11540.63	-52.70	-468.10	77.59	12.00
11600.00	30.174	179.570	11562.57	-64.69	-468.01	89.56	12.00
11625.00	33.174	179.570	11583.84	-77.82	-467.92	102.66	12.00
11650.00	36.174	179.570	11604.40	-92.04	-467.81	116.86	12.00

11675.00	39.174	179.570	11624.18	-107.32	-467.69	132.11	12.00
11700.00	42.174	179.570	11643.14	-123.61	-467.57	148.37	12.00
11725.00	45.174	179.570	11661.22	-140.87	-467.44	165.60	12.00
11750.00	48.174	179.570	11678.37	-159.05	-467.31	183.75	12.00
11775.00	51.174	179.570	11694.55	-178.11	-467.16	202.77	12.00
11800.00	54.174	179.570	11709.71	-197.99	-467.01	222.61	12.00
11825.00	57.174	179.570	11723.80	-218.63	-466.86	243.22	12.00
11850.00	60.174	179.570	11736.80	-239.98	-466.70	264.53	12.00
11875.00	63.174	179.570	11748.66	-261.99	-466.53	286.49	12.00
11900.00	66.174	179.570	11759.35	-284.58	-466.36	309.05	12.00
11925.00	69.174	179.570	11768.85	-307.70	-466.19	332.13	12.00
11950.00	72.174	179.570	11777.12	-331.29	-466.01	355.67	12.00
11975.00	75.174	179.570	11784.15	-355.28	-465.83	379.62	12.00
12000.00	78.174	179.570	11789.91	-379.60	-465.65	403.90	12.00
12025.00	81.174	179.570	11794.39	-404.20	-465.47	428.44	12.00
12050.00	84.174	179.570	11797.58	-428.99	-465.28	453.19	12.00
12075.00	87.174	179.570	11799.46	-453.91	-465.09	478.07	12.00
12098.55	90.000	179.570	11800.04	-477.45	-464.92	501.57	12.00
12100.00	90.000	179.570	11800.04	-478.90	-464.91	503.01	0.00
12200.00	90.000	179.570	11800.04	-578.90	-464.16	602.83	0.00
12300.00	90.000	179.570	11800.04	-678.90	-463.40	702.64	0.00
12400.00	90.000	179.569	11800.04	-778.89	-462.65	802.46	0.00
12500.00	90.000	179.569	11800.04	-878.89	-461.90	902.27	0.00
12600.00	90.000	179.569	11800.04	-978.89	-461.15	1002.09	0.00
12700.00	90.000	179.569	11800.04	-1078.89	-460.40	1101.90	0.00
12800.00	90.000	179.569	11800.04	-1178.88	-459.65	1201.72	0.00
12900.00	90.000	179.569	11800.04	-1278.88	-458.89	1301.53	0.00
13000.00	90.000	179.568	11800.04	-1378.88	-458.14	1401.35	0.00
13100.00	90.000	179.568	11800.04	-1478.88	-457.39	1501.16	0.00
13200.00	90.000	179.568	11800.04	-1578.87	-456.63	1600.98	0.00
13300.00	90.000	179.568	11800.04	-1678.87	-455.88	1700.79	0.00
13400.00	90.000	179.568	11800.04	-1778.87	-455.12	1800.61	0.00
13500.00	90.000	179.568	11800.04	-1878.86	-454.37	1900.42	0.00
13600.00	90.000	179.567	11800.04	-1978.86	-453.62	2000.24	0.00
13700.00	90.000	179.567	11800.04	-2078.86	-452.86	2100.05	0.00
13800.00	90.000	179.567	11800.04	-2178.86	-452.10	2199.86	0.00
13900.00	90.000	179.567	11800.04	-2278.85	-451.35	2299.68	0.00
14000.00	90.000	179.567	11800.04	-2378.85	-450.59	2399.49	0.00
14100.00	90.000	179.567	11800.04	-2478.85	-449.84	2499.31	0.00
14200.00	90.000	179.566	11800.04	-2578.84	-449.08	2599.12	0.00
14300.00	90.000	179.566	11800.04	-2678.84	-448.32	2698.94	0.00
14400.00	90.000	179.566	11800.04	-2778.84	-447.57	2798.75	0.00
14500.00	90.000	179.566	11800.03	-2878.84	-446.81	2898.57	0.00
14600.00	90.000	179.566	11800.03	-2978.83	-446.05	2998.38	0.00
14700.00	90.000	179.566	11800.03	-3078.83	-445.29	3098.20	0.00
14800.00	90.000	179.565	11800.03	-3178.83	-444.53	3198.01	0.00
14900.00	90.000	179.565	11800.03	-3278.82	-443.78	3297.82	0.00
15000.00	90.000	179.565	11800.03	-3378.82	-443.02	3397.64	0.00
15100.00	90.000	179.565	11800.03	-3478.82	-442.26	3497.45	0.00
15200.00	90.000	179.565	11800.03	-3578.81	-441.50	3597.27	0.00
15300.00	90.000	179.565	11800.03	-3678.81	-440.74	3697.08	0.00
15400.00	90.000	179.564	11800.03	-3778.81	-439.98	3796.90	0.00
15500.00	90.000	179.564	11800.03	-3878.81	-439.22	3896.71	0.00
15600.00	90.001	179.564	11800.03	-3978.80	-438.46	3996.52	0.00
15700.00	90.001	179.564	11800.03	-4078.80	-437.70	4096.34	0.00
15800.00	90.001	179.564	11800.02	-4178.80	-436.94	4196.15	0.00
15900.00	90.001	179.564	11800.02	-4278.79	-436.17	4295.97	0.00
16000.00	90.001	179.563	11800.02	-4378.79	-435.41	4395.78	0.00
16100.00	90.001	179.563	11800.02	-4478.79	-434.65	4495.59	0.00
16200.00	90.001	179.563	11800.02	-4578.79	-433.89	4595.41	0.00
16300.00	90.001	179.563	11800.02	-4678.78	-433.12	4695.22	0.00
16400.00	90.001	179.563	11800.02	-4778.78	-432.36	4795.04	0.00
16500.00	90.001	179.563	11800.02	-4878.78	-431.60	4894.85	0.00
16600.00	90.001	179.562	11800.02	-4978.77	-430.83	4994.67	0.00
16700.00	90.001	179.562	11800.02	-5078.77	-430.07	5094.48	0.00
16800.00	90.001	179.562	11800.01	-5178.77	-429.31	5194.29	0.00
16900.00	90.001	179.562	11800.01	-5278.77	-428.54	5294.11	0.00
17000.00	90.001	179.562	11800.01	-5378.76	-427.78	5393.92	0.00
17100.00	90.001	179.562	11800.01	-5478.76	-427.01	5493.74	0.00
17200.00	90.001	179.561	11800.01	-5578.76	-426.25	5593.55	0.00
17300.00	90.001	179.561	11800.01	-5678.75	-425.48	5693.36	0.00
17400.00	90.001	179.561	11800.01	-5778.75	-424.71	5793.18	0.00
17500.00	90.001	179.561	11800.01	-5878.75	-423.95	5892.99	0.00
17600.00	90.001	179.561	11800.00	-5978.75	-423.18	5992.81	0.00

17700.00	90.001	179.560	11800.00	-6078.74	-422.41	6092.62	0.00
17800.00	90.001	179.560	11800.00	-6178.74	-421.65	6192.43	0.00
17900.00	90.001	179.560	11800.00	-6278.74	-420.88	6292.25	0.00
18000.00	90.001	179.560	11800.00	-6378.73	-420.11	6392.06	0.00
18100.00	90.001	179.560	11800.00	-6478.73	-419.34	6491.87	0.00
18200.00	90.001	179.560	11799.99	-6578.73	-418.58	6591.69	0.00
18300.00	90.001	179.559	11799.99	-6678.72	-417.81	6691.50	0.00
18400.00	90.001	179.559	11799.99	-6778.72	-417.04	6791.32	0.00
18500.00	90.001	179.559	11799.99	-6878.72	-416.27	6891.13	0.00
18600.00	90.001	179.559	11799.99	-6978.72	-415.50	6990.94	0.00
18700.00	90.001	179.559	11799.99	-7078.71	-414.73	7090.76	0.00
18800.00	90.001	179.559	11799.99	-7178.71	-413.96	7190.57	0.00
18900.00	90.001	179.558	11799.98	-7278.71	-413.19	7290.38	0.00
19000.00	90.001	179.558	11799.98	-7378.70	-412.42	7390.20	0.00
19100.00	90.001	179.558	11799.98	-7478.70	-411.65	7490.01	0.00
19200.00	90.001	179.558	11799.98	-7578.70	-410.87	7589.82	0.00
19300.41	90.001	179.558	11799.98	-7679.10	-410.10	7690.04	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 183.057° (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 0.434°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 19300.41ft.,
the Bottom Hole Displacement is 7690.04ft., in the Direction of 183.057° (Grid).