



HOBBS OCD

FEB 16 2016

RECEIVED

Legacy Reserves

Lea County, NM (NAD-27 2015)

Lea Unit #38H

Lea Unit #38H

OH

Plan #1

Anticollision Summary Report

13 November, 2015



FEB 18 2016

Company:	Legacy Reserves	Local Co-ordinate Reference:	Well Lea Unit #38H
Project:	Lea County, NM (NAD-27 2015)	TVD Reference:	KB @ 3692.00usft (McVay 4)
Reference Site:	Lea Unit #38H	MD Reference:	KB @ 3692.00usft (McVay 4)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Lea Unit #38H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at:	2.00 sigma
Reference Wellbore:	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 9,999.98 usft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

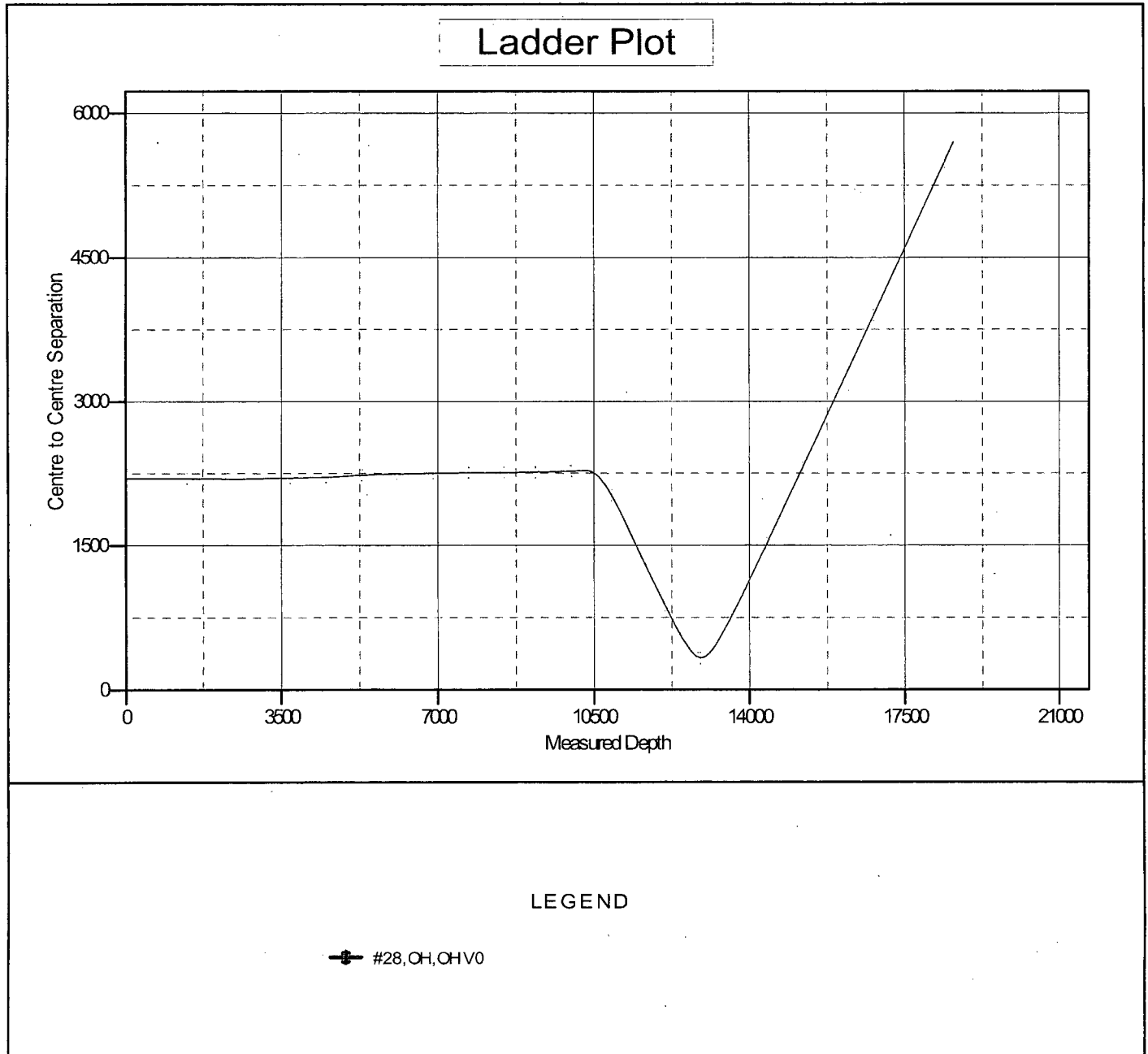
Survey Tool Program		Date 11/13/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	18,605.37	Plan #1 (OH)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Lea Federal #28 - OH - OH	12,916.21	10,863.78	326.42	259.91	4.908	CC, ES, SF

Company:	Legacy Reserves	Local Co-ordinate Reference:	Well Lea Unit #38H
Project:	Lea County, NM (NAD-27 2015)	TVD Reference:	KB @ 3692.00usft (McVay 4)
Reference Site:	Lea Unit #38H	MD Reference:	KB @ 3692.00usft (McVay 4)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Lea Unit #38H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at:	2.00 sigma
Reference Wellbore:	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3692.00usft (McVay 4)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Lea Unit #38H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.44°



Company:	Legacy Reserves	Local Co-ordinate Reference:	Well Lea Unit #38H
Project:	Lea County, NM (NAD-27 2015)	TVD Reference:	KB @ 3692.00usft (McVay 4)
Reference Site:	Lea Unit #38H	MD Reference:	KB @ 3692.00usft (McVay 4)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Lea Unit #38H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at:	2.00 sigma
Reference Wellbore:	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3692.00usft (McVay 4)

Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Lea Unit #38H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.44°

