

HOBBS OCD

APR 29 2016

RECEIVED

DEVON ENERGY

Lea County, NM (NAD-83)

Bell Lake 24 Fed

6H

OH

Plan: Plan #1

Standard Planning Report

20 July, 2015

MAY 03 2016

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 6H
Company:	DEVON ENERGY	TVD Reference:	3547.4' + 25' RKB @ 3572.40usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3547.4' + 25' RKB @ 3572.40usft
Site:	Bell Lake 24 Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Lea County, NM (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Bell Lake 24 Fed		
Site Position:		Northing:	435,921.97 usft
From:	Map	Easting:	760,172.94 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"
		Latitude:	32° 11' 47.212 N
		Longitude:	103° 37' 33.170 W
		Grid Convergence:	0.38 °

Well	6H		
Well Position	+N/-S	39.98 usft	Northing:
	+E/-W	922.74 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	3,572.40 usft
		Latitude:	32° 11' 47.548 N
		Longitude:	103° 37' 22.429 W
		Ground Level:	3,547.40 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	BGGM2015	7/20/2015	7.28
			Dip Angle
			60.11
			Field Strength
			48,188

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			5.65

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9,169.03	0.00	0.00	9,169.03	0.00	0.00	0.00	0.00	0.00	0.00	
10,071.33	90.23	13.00	9,741.98	560.51	129.40	10.00	10.00	0.00	13.00	
10,561.33	90.23	5.65	9,740.00	1,043.70	208.75	1.50	0.00	-1.50	-89.97	
14,263.82	90.23	5.65	9,725.00	4,728.18	573.26	0.00	0.00	0.00	0.00	PBHL (BL24F 6H)

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 6H
Company:	DEVON ENERGY	TVD Reference:	3547.4' + 25' RKB @ 3572.40usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3547.4' + 25' RKB @ 3572.40usft
Site:	Bell Lake 24 Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHL (BL24F 6H)									
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
1,140.00	0.00	0.00	1,140.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
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
1,465.00	0.00	0.00	1,465.00	0.00	0.00	0.00	0.00	0.00	0.00
Top Salt									
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	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 6H
Company:	DEVON ENERGY	TVD Reference:	3547.4' + 25' RKB @ 3572.40usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3547.4' + 25' RKB @ 3572.40usft
Site:	Bell Lake 24 Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,940.00	0.00	0.00	4,940.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Salt									
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,042.00	0.00	0.00	5,042.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware									
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,014.00	0.00	0.00	6,014.00	0.00	0.00	0.00	0.00	0.00	0.00
Cherry Canyon									
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,476.00	0.00	0.00	7,476.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon									
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,635.00	0.00	0.00	8,635.00	0.00	0.00	0.00	0.00	0.00	0.00
Madera									
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,045.00	0.00	0.00	9,045.00	0.00	0.00	0.00	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 6H
Company:	DEVON ENERGY	TVD Reference:	3547.4' + 25' RKB @ 3572.40usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3547.4' + 25' RKB @ 3572.40usft
Site:	Bell Lake 24 Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1st BS LM									
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,169.03	0.00	0.00	9,169.03	0.00	0.00	0.00	0.00	0.00	0.00
KOP 10° DLS									
9,200.00	3.10	13.00	9,199.99	0.82	0.19	0.83	10.00	10.00	0.00
9,230.12	6.11	13.00	9,230.00	3.17	0.73	3.23	10.00	10.00	0.00
Upr Leonard									
9,250.00	8.10	13.00	9,249.73	5.57	1.28	5.66	10.00	10.00	0.00
9,300.00	13.10	13.00	9,298.86	14.52	3.35	14.78	10.00	10.00	0.00
9,350.00	18.10	13.00	9,347.01	27.62	6.38	28.11	10.00	10.00	0.00
9,400.00	23.10	13.00	9,393.80	44.75	10.33	45.55	10.00	10.00	0.00
9,450.00	28.10	13.00	9,438.87	65.79	15.19	66.97	10.00	10.00	0.00
9,474.23	30.52	13.00	9,460.00	77.35	17.86	78.73	10.00	10.00	0.00
Base Upr Leonard									
9,500.00	33.10	13.00	9,481.90	90.58	20.91	92.20	10.00	10.00	0.00
9,550.00	38.10	13.00	9,522.54	118.93	27.46	121.06	10.00	10.00	0.00
9,572.54	40.35	13.00	9,540.00	132.82	30.66	135.19	10.00	10.00	0.00
Mid Leonard									
9,600.00	43.10	13.00	9,560.50	150.62	34.77	153.31	10.00	10.00	0.00
9,650.00	48.10	13.00	9,595.47	185.42	42.81	188.73	10.00	10.00	0.00
9,700.00	53.10	13.00	9,627.20	223.05	51.50	227.04	10.00	10.00	0.00
9,750.00	58.10	13.00	9,655.44	263.24	60.77	267.94	10.00	10.00	0.00
9,800.00	63.10	13.00	9,679.98	305.66	70.57	311.13	10.00	10.00	0.00
9,850.00	68.10	13.00	9,700.63	350.02	80.81	356.27	10.00	10.00	0.00
9,900.00	73.10	13.00	9,717.24	395.95	91.41	403.03	10.00	10.00	0.00
9,950.00	78.10	13.00	9,729.67	443.13	102.30	451.05	10.00	10.00	0.00
10,000.00	83.10	13.00	9,737.83	491.17	113.40	499.95	10.00	10.00	0.00
10,050.00	88.10	13.00	9,741.67	539.73	124.61	549.38	10.00	10.00	0.00
10,071.33	90.23	13.00	9,741.98	560.51	129.40	570.53	10.00	10.00	0.00
LP / 1.5° Turn									
10,100.00	90.23	12.57	9,741.87	588.47	135.75	598.98	1.50	0.00	-1.50
10,200.00	90.23	11.07	9,741.47	686.35	156.23	698.40	1.50	0.00	-1.50
10,300.00	90.23	9.57	9,741.06	784.73	174.15	798.06	1.50	0.00	-1.50
10,400.00	90.23	8.07	9,740.66	883.54	189.48	897.90	1.50	0.00	-1.50
10,500.00	90.23	6.57	9,740.25	982.72	202.22	997.86	1.50	0.00	-1.50
10,561.32	90.23	5.65	9,740.00	1,043.69	208.75	1,059.17	1.50	0.00	-1.50
Hold									
10,600.00	90.23	5.65	9,739.85	1,082.19	212.55	1,097.85	0.00	0.00	0.00
10,700.00	90.23	5.65	9,739.44	1,181.70	222.40	1,197.85	0.00	0.00	0.00
10,800.00	90.23	5.65	9,739.04	1,281.21	232.24	1,297.85	0.00	0.00	0.00
10,900.00	90.23	5.65	9,738.63	1,380.73	242.09	1,397.85	0.00	0.00	0.00
11,000.00	90.23	5.65	9,738.23	1,480.24	251.93	1,497.85	0.00	0.00	0.00
11,100.00	90.23	5.65	9,737.82	1,579.75	261.78	1,597.85	0.00	0.00	0.00
11,200.00	90.23	5.65	9,737.42	1,679.27	271.62	1,697.85	0.00	0.00	0.00
11,300.00	90.23	5.65	9,737.01	1,778.78	281.47	1,797.85	0.00	0.00	0.00
11,400.00	90.23	5.65	9,736.61	1,878.29	291.31	1,897.85	0.00	0.00	0.00
11,500.00	90.23	5.65	9,736.20	1,977.81	301.16	1,997.85	0.00	0.00	0.00
11,600.00	90.23	5.65	9,735.80	2,077.32	311.00	2,097.85	0.00	0.00	0.00
11,700.00	90.23	5.65	9,735.39	2,176.83	320.85	2,197.84	0.00	0.00	0.00
11,800.00	90.23	5.65	9,734.98	2,276.35	330.69	2,297.84	0.00	0.00	0.00
11,900.00	90.23	5.65	9,734.58	2,375.86	340.54	2,397.84	0.00	0.00	0.00
12,000.00	90.23	5.65	9,734.17	2,475.37	350.38	2,497.84	0.00	0.00	0.00
12,100.00	90.23	5.65	9,733.77	2,574.89	360.23	2,597.84	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference	Well 6H
Company:	DEVON ENERGY	TVD Reference:	3547.4' + 25' RKB @ 3572.40usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3547.4' + 25' RKB @ 3572.40usft
Site:	Bell Lake 24 Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,200.00	90.23	5.65	9,733.36	2,674.40	370.07	2,697.84	0.00	0.00	0.00
12,300.00	90.23	5.65	9,732.96	2,773.91	379.92	2,797.84	0.00	0.00	0.00
12,400.00	90.23	5.65	9,732.55	2,873.43	389.76	2,897.84	0.00	0.00	0.00
12,500.00	90.23	5.65	9,732.15	2,972.94	399.61	2,997.84	0.00	0.00	0.00
12,600.00	90.23	5.65	9,731.74	3,072.45	409.46	3,097.84	0.00	0.00	0.00
12,700.00	90.23	5.65	9,731.34	3,171.97	419.30	3,197.84	0.00	0.00	0.00
12,800.00	90.23	5.65	9,730.93	3,271.48	429.15	3,297.84	0.00	0.00	0.00
12,900.00	90.23	5.65	9,730.53	3,370.99	438.99	3,397.84	0.00	0.00	0.00
13,000.00	90.23	5.65	9,730.12	3,470.51	448.84	3,497.83	0.00	0.00	0.00
13,100.00	90.23	5.65	9,729.72	3,570.02	458.68	3,597.83	0.00	0.00	0.00
13,200.00	90.23	5.65	9,729.31	3,669.53	468.53	3,697.83	0.00	0.00	0.00
13,300.00	90.23	5.65	9,728.91	3,769.05	478.37	3,797.83	0.00	0.00	0.00
13,400.00	90.23	5.65	9,728.50	3,868.56	488.22	3,897.83	0.00	0.00	0.00
13,500.00	90.23	5.65	9,728.10	3,968.07	498.06	3,997.83	0.00	0.00	0.00
13,600.00	90.23	5.65	9,727.69	4,067.59	507.91	4,097.83	0.00	0.00	0.00
13,700.00	90.23	5.65	9,727.29	4,167.10	517.75	4,197.83	0.00	0.00	0.00
13,800.00	90.23	5.65	9,726.88	4,266.61	527.60	4,297.83	0.00	0.00	0.00
13,900.00	90.23	5.65	9,726.47	4,366.13	537.44	4,397.83	0.00	0.00	0.00
14,000.00	90.23	5.65	9,726.07	4,465.64	547.29	4,497.83	0.00	0.00	0.00
14,100.00	90.23	5.65	9,725.66	4,565.15	557.13	4,597.83	0.00	0.00	0.00
14,200.00	90.23	5.65	9,725.26	4,664.67	566.98	4,697.82	0.00	0.00	0.00
14,263.82	90.23	5.65	9,725.00	4,728.18	573.26	4,761.64	0.00	0.00	0.00
TD - PBHL (BL24F 6H)									

Design Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude Longitude
SHL (BL24F 6H)	- plan hits target center	0.00	0.00	0.00	0.00	0.00	435,961.95	761,095.68	32° 11' 47.548 N 103° 37' 22.429 W
	- Point								
PBHL (BL24F 6H)	- plan hits target center	0.00	0.00	9,725.00	4,728.18	573.26	440,690.13	761,668.94	32° 12' 34.297 N 103° 37' 15.393 W
	- Point								

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 6H
Company:	DEVON ENERGY	TVD Reference:	3547.4' + 25' RKB @ 3572.40usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3547.4' + 25' RKB @ 3572.40usft
Site:	Bell Lake 24 Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,140.00	1,140.00	Rustler		0.00		
1,465.00	1,465.00	Top Salt		0.00		
4,940.00	4,940.00	Base Salt		0.00		
5,042.00	5,042.00	Delaware		0.00		
6,014.00	6,014.00	Cherry Canyon		0.00		
7,476.00	7,476.00	Brushy Canyon		0.00		
8,635.00	8,635.00	Madera		0.00		
9,045.00	9,045.00	1st BS LM		0.00		
9,230.12	9,230.00	Upr Leonard		0.00		
9,474.23	9,460.00	Base Upr Leonard		0.00		
9,572.54	9,540.00	Mid Leonard		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
9,169.03	9,169.03	0.00	0.00	KOP 10° DLS	
10,071.33	9,741.98	560.51	129.40	LP / 1.5° Turn	
10,561.32	9,740.00	1,043.69	208.75	Hold	
14,263.82	9,725.00	4,728.18	573.26	TD	