



LEAM
Drilling Systems, Inc.

HOBBS OCD

APR 29 2016

RECEIVED

DEVON ENERGY

Lea County, NM (NAD-83)

Bell Lake 24 Fed

7H

OH

Plan: Plan #1

Standard Planning Report

31 March, 2015


devon

MAY 03 2016

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 7H
Company:	DEVON ENERGY	TVD Reference:	3554.2' GL + 25' RKB @ 3579.20usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3554.2' GL + 25' RKB @ 3579.20usft
Site:	Bell Lake 24 Fed	North Reference:	Grid
Well:	7H	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	Latitude:	32° 11' 47.212 N
From:	Map	Easting:	760,172.94 usft	Longitude:	103° 37' 33.170 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.38 °

Well:	7H 2nd BS/SS					
Well Position	+N/-S	0.00 usft	Northing:	435,921.97 usft	Latitude:	32° 11' 47.212 N
	+E/-W	0.00 usft	Easting:	760,172.94 usft	Longitude:	103° 37' 33.170 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,579.20 usft	Ground Level:	3,554.20 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	3/31/2015	7.32	60.05	48,161

Design: Plan #1				
Audit Notes:				
Version:		Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/S (usft)	+E/W (usft)	Direction (°)
	0.00	0.00	0.00	358.47

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	
10,532.04	0.00	0.00	10,532.04	0.00	0.00	0.00	0.00	0.00	0.00	
11,432.04	90.00	358.47	11,105.00	572.75	-15.25	10.00	10.00	0.00	358.47	
15,621.77	90.00	358.47	11,105.00	4,761.00	-126.80	0.00	0.00	0.00	0.00	PBHL (BL24F 7H)

Database:	EDM:5000.1:Single User Db	Local Co-ordinate Reference:	Well 7H
Company:	DEVON ENERGY	TVD Reference:	3554'2" GL + 25' RKB @ 3579'20usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3554'2" GL + 25' RKB @ 3579'20usft
Site:	Bell Lake-24 Fed	North Reference:	Grid
Well:	7H	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 7H)									
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
1,078.00	0.00	0.00	1,078.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
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
1,410.00	0.00	0.00	1,410.00	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

devon

Database:	EDM5000.1 Single User Db	Local Co-ordinate Reference:	Well 7H
Company:	DEVON ENERGY	TVD Reference:	3554.2' GL + 25' RKB @ 3579.20usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3554.2' GL + 25' RKB @ 3579.20usft
Site:	Bell Lake 24 Fed	North Reference:	Grid
Well:	7H	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
4,825.00	0.00	0.00	4,825.00	0.00	0.00	0.00	0.00	0.00	0.00
Base/Salt									
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,025.00	0.00	0.00	5,025.00	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
6,100.00	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
7,500.00	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
8,700.00	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
9,025.00	0.00	0.00	9,025.00	0.00	0.00	0.00	0.00	0.00	0.00
Bone Spring									
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	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: 7H
Company:	DEVON ENERGY	TVD Reference:	3554.2' GL + 25' RKB @ 3579.20usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3554.2' GL + 25' RKB @ 3579.20usft
Site:	Bell Lake 24 Fed	North Reference:	Grid
Well:	7H	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)
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00
10,105.00	0.00	0.00	10,105.00	0.00	0.00	0.00	0.00	0.00	0.00
1st BS SS									
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00
10,500.00	0.00	0.00	10,500.00	0.00	0.00	0.00	0.00	0.00	0.00
10,532.04	0.00	0.00	10,532.04	0.00	0.00	0.00	0.00	0.00	0.00
KOP 10° DLS									
10,550.00	1.80	358.47	10,550.00	0.28	-0.01	0.28	10.00	10.00	0.00
10,600.00	6.80	358.47	10,599.84	4.02	-0.11	4.03	10.00	10.00	0.00
10,610.24	7.82	358.47	10,610.00	5.33	-0.14	5.33	10.00	10.00	0.00
2nd BS SS									
10,650.00	11.80	358.47	10,649.17	12.10	-0.32	12.10	10.00	10.00	0.00
10,700.00	16.80	358.47	10,697.61	24.43	-0.65	24.44	10.00	10.00	0.00
10,750.00	21.80	358.47	10,744.78	40.94	-1.09	40.96	10.00	10.00	0.00
10,800.00	26.80	358.47	10,790.34	61.50	-1.64	61.52	10.00	10.00	0.00
10,850.00	31.80	358.47	10,833.93	85.95	-2.29	85.98	10.00	10.00	0.00
10,900.00	36.80	358.47	10,875.22	114.11	-3.04	114.15	10.00	10.00	0.00
10,950.00	41.80	358.47	10,913.91	145.75	-3.88	145.80	10.00	10.00	0.00
11,000.00	46.80	358.47	10,949.68	180.65	-4.81	180.71	10.00	10.00	0.00
11,050.00	51.80	358.47	10,982.28	218.53	-5.82	218.60	10.00	10.00	0.00
11,100.00	56.80	358.47	11,011.45	259.10	-6.90	259.19	10.00	10.00	0.00
11,150.00	61.80	358.47	11,036.97	302.06	-8.04	302.17	10.00	10.00	0.00
11,200.00	66.80	358.47	11,058.65	347.08	-9.24	347.21	10.00	10.00	0.00
11,250.00	71.80	358.47	11,076.32	393.82	-10.49	393.96	10.00	10.00	0.00
11,300.00	76.80	358.47	11,089.85	441.92	-11.77	442.08	10.00	10.00	0.00
11,350.00	81.80	358.47	11,099.14	491.02	-13.08	491.20	10.00	10.00	0.00
11,400.00	86.80	358.47	11,104.10	540.74	-14.40	540.93	10.00	10.00	0.00
11,432.04	90.00	358.47	11,105.00	572.75	-15.25	572.96	10.00	10.00	0.00
LP Target									
11,500.00	90.00	358.47	11,105.00	640.69	-17.06	640.92	0.00	0.00	0.00
11,600.00	90.00	358.47	11,105.00	740.65	-19.73	740.92	0.00	0.00	0.00
11,700.00	90.00	358.47	11,105.00	840.62	-22.39	840.92	0.00	0.00	0.00
11,800.00	90.00	358.47	11,105.00	940.58	-25.05	940.92	0.00	0.00	0.00
11,900.00	90.00	358.47	11,105.00	1,040.55	-27.71	1,040.92	0.00	0.00	0.00
12,000.00	90.00	358.47	11,105.00	1,140.51	-30.38	1,140.92	0.00	0.00	0.00
12,100.00	90.00	358.47	11,105.00	1,240.48	-33.04	1,240.92	0.00	0.00	0.00
12,200.00	90.00	358.47	11,105.00	1,340.44	-35.70	1,340.92	0.00	0.00	0.00
12,300.00	90.00	358.47	11,105.00	1,440.40	-38.36	1,440.92	0.00	0.00	0.00
12,400.00	90.00	358.47	11,105.00	1,540.37	-41.02	1,540.92	0.00	0.00	0.00
12,500.00	90.00	358.47	11,105.00	1,640.33	-43.69	1,640.92	0.00	0.00	0.00
12,600.00	90.00	358.47	11,105.00	1,740.30	-46.35	1,740.92	0.00	0.00	0.00
12,700.00	90.00	358.47	11,105.00	1,840.26	-49.01	1,840.92	0.00	0.00	0.00
12,800.00	90.00	358.47	11,105.00	1,940.23	-51.67	1,940.92	0.00	0.00	0.00
12,900.00	90.00	358.47	11,105.00	2,040.19	-54.34	2,040.92	0.00	0.00	0.00
13,000.00	90.00	358.47	11,105.00	2,140.16	-57.00	2,140.92	0.00	0.00	0.00
13,100.00	90.00	358.47	11,105.00	2,240.12	-59.66	2,240.92	0.00	0.00	0.00

Database:	EDM:5000.1 Single User Db	Local Co-ordinate Reference:	Well: 7H
Company:	DEVON ENERGY	TVD Reference:	3554.2' GL + 25' RKB @ 3579.20usft
Project:	Lea County NM (NAD-83)	MD Reference:	3554.2' GL + 25' RKB @ 3579.20usft
Site:	Bell Lake 24 Fed	North Reference:	Grid
Well:	7H	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)
13,200.00	90.00	358.47	11,105.00	2,340.09	-62.32	2,340.92	0.00	0.00	0.00
13,300.00	90.00	358.47	11,105.00	2,440.05	-64.99	2,440.92	0.00	0.00	0.00
13,400.00	90.00	358.47	11,105.00	2,540.01	-67.65	2,540.92	0.00	0.00	0.00
13,500.00	90.00	358.47	11,105.00	2,639.98	-70.31	2,640.92	0.00	0.00	0.00
13,600.00	90.00	358.47	11,105.00	2,739.94	-72.97	2,740.92	0.00	0.00	0.00
13,700.00	90.00	358.47	11,105.00	2,839.91	-75.64	2,840.92	0.00	0.00	0.00
13,800.00	90.00	358.47	11,105.00	2,939.87	-78.30	2,940.92	0.00	0.00	0.00
13,900.00	90.00	358.47	11,105.00	3,039.84	-80.96	3,040.92	0.00	0.00	0.00
14,000.00	90.00	358.47	11,105.00	3,139.80	-83.62	3,140.92	0.00	0.00	0.00
14,100.00	90.00	358.47	11,105.00	3,239.77	-86.28	3,240.92	0.00	0.00	0.00
14,200.00	90.00	358.47	11,105.00	3,339.73	-88.95	3,340.92	0.00	0.00	0.00
14,300.00	90.00	358.47	11,105.00	3,439.70	-91.61	3,440.92	0.00	0.00	0.00
14,400.00	90.00	358.47	11,105.00	3,539.66	-94.27	3,540.92	0.00	0.00	0.00
14,500.00	90.00	358.47	11,105.00	3,639.63	-96.93	3,640.92	0.00	0.00	0.00
14,600.00	90.00	358.47	11,105.00	3,739.59	-99.60	3,740.92	0.00	0.00	0.00
14,700.00	90.00	358.47	11,105.00	3,839.55	-102.26	3,840.92	0.00	0.00	0.00
14,800.00	90.00	358.47	11,105.00	3,939.52	-104.92	3,940.92	0.00	0.00	0.00
14,900.00	90.00	358.47	11,105.00	4,039.48	-107.58	4,040.92	0.00	0.00	0.00
15,000.00	90.00	358.47	11,105.00	4,139.45	-110.25	4,140.92	0.00	0.00	0.00
15,100.00	90.00	358.47	11,105.00	4,239.41	-112.91	4,240.92	0.00	0.00	0.00
15,200.00	90.00	358.47	11,105.00	4,339.38	-115.57	4,340.92	0.00	0.00	0.00
15,300.00	90.00	358.47	11,105.00	4,439.34	-118.23	4,440.92	0.00	0.00	0.00
15,400.00	90.00	358.47	11,105.00	4,539.31	-120.90	4,540.92	0.00	0.00	0.00
15,500.00	90.00	358.47	11,105.00	4,639.27	-123.56	4,640.92	0.00	0.00	0.00
15,600.00	90.00	358.47	11,105.00	4,739.24	-126.22	4,740.92	0.00	0.00	0.00
15,621.77	90.00	358.47	11,105.00	4,761.00	-126.80	4,762.69	0.00	0.00	0.00
TD - PBHL (BL24F 7H)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/S (usft)	+E/W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL (BL24F 7H) - hit/miss target - Shape - Point	0.00	0.00	0.00	0.00	0.00	435,921.97	760,172.94	32° 11' 47.212 N	103° 37' 33.170 W
PBHL (BL24F 7H) - plan hits target center - Point	0.00	0.00	11,105.00	4,761.00	-126.80	440,682.97	760,046.14	32° 12' 34.332 N	103° 37' 34.282 W



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 7H
Company:	DEVONENERGY	TVD Reference:	3554.2' GL + 25' RKB @ 3579.20usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3554.2' GL + 25' RKB @ 3579.20usft
Site:	Bell Lake, 24 Fed	North Reference:	Grid
Well:	7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,078.00	1,078.00	Rustler		0.00		
1,410.00	1,410.00	Top Salt		0.00		
4,825.00	4,825.00	Base Salt		0.00		
5,025.00	5,025.00	Delaware		0.00		
9,025.00	9,025.00	Bone Spring		0.00		
10,105.00	10,105.00	1st BS SS		0.00		
10,610.24	10,610.00	2nd BS SS		0.00		
11,432.04	11,105.00	Target		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/S (usft)	+E/W (usft)	Comment	
10,532.04	10,532.04	0.00	0.00	KOP 10° DLS	
11,432.04	11,105.00	572.75	-15.25	LP	
15,621.77	11,105.00	4,761.00	-126.80	TD	