

DEVON ENERGY

Lea County, NM (NAD-83)

White Dove 17 Fed Com

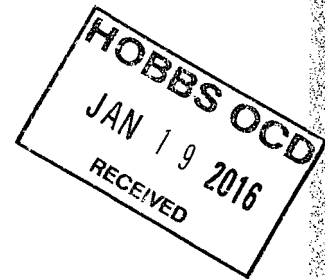
2H

OH

Plan: Plan #1

Standard Planning Report

20 May, 2015



JAN 20 2016

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 2H
Company:	DEVON ENERGY	TVD Reference:	3479.1' GL + 25' RKB @ 3504.10usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3479.1' GL + 25' RKB @ 3504.10usft
Site:	White Dove 17 Fed Com	North Reference:	Grid
Well:	2H	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	White Dove 17 Fed Com		
Site Position:		Northing:	473,183.15 usft
From:	Map	Easting:	799,923.94 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"
		Latitude:	32° 17' 53.088 N
		Longitude:	103° 29' 47.204 W
		Grid Convergence:	0.45°

Well:	2H		
Well Position	+N/-S	0.32 usft	Northing:
	+E/-W	50.04 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	3,504.10 usft
		Latitude:	32° 17' 53.087 N
		Longitude:	103° 29' 46.621 W
		Ground Level:	3,479.10 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	BGGM2014	5/18/2015	7.25
			Dip Angle
			60.16
			Field Strength
			48,222

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
			352.39

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	
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,900.00	6.00	250.00	5,899.27	-7.16	-19.66	1.50	1.50	0.00	250.00	
9,568.64	6.00	250.00	9,547.81	-138.31	-380.01	0.00	0.00	0.00	0.00	
9,968.64	0.00	0.00	9,947.08	-145.47	-399.68	1.50	-1.50	0.00	180.00	
10,168.64	0.00	0.00	10,147.08	-145.47	-399.68	0.00	0.00	0.00	0.00	
11,075.32	90.67	352.39	10,720.00	429.06	-476.44	10.00	10.00	-0.84	352.39	
15,365.93	90.67	352.39	10,670.00	4,681.59	-1,044.59	0.00	0.00	0.00	0.00	PBHL (WD17FC 2H)

LEAM Drilling Systems LLC

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Site:	White Dove 17 Fed Com	North Reference:	Grid
Well:	2H	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 (WD17FC 2H)									
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
1,225.00	0.00	0.00	1,225.00	0.00	0.00	0.00	0.00	0.00	0.00
Top Salt									
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	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
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
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00

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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)
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,125.00	0.00	0.00	5,125.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware									
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
Nudge									
5,600.00	1.50	250.00	5,599.99	-0.45	-1.23	-0.28	1.50	1.50	0.00
5,700.00	3.00	250.00	5,699.91	-1.79	-4.92	-1.12	1.50	1.50	0.00
5,800.00	4.50	250.00	5,799.69	-4.03	-11.06	-2.53	1.50	1.50	0.00
5,900.00	6.00	250.00	5,899.27	-7.16	-19.66	-4.49	1.50	1.50	0.00
Hold									
6,000.00	6.00	250.00	5,998.72	-10.73	-29.49	-6.73	0.00	0.00	0.00
6,100.00	6.00	250.00	6,098.17	-14.31	-39.31	-8.98	0.00	0.00	0.00
6,200.00	6.00	250.00	6,197.63	-17.88	-49.13	-11.22	0.00	0.00	0.00
6,300.00	6.00	250.00	6,297.08	-21.46	-58.95	-13.46	0.00	0.00	0.00
6,400.00	6.00	250.00	6,396.53	-25.03	-68.78	-15.70	0.00	0.00	0.00
6,500.00	6.00	250.00	6,495.98	-28.61	-78.60	-17.95	0.00	0.00	0.00
6,600.00	6.00	250.00	6,595.43	-32.18	-88.42	-20.19	0.00	0.00	0.00
6,700.00	6.00	250.00	6,694.89	-35.76	-98.24	-22.43	0.00	0.00	0.00
6,800.00	6.00	250.00	6,794.34	-39.33	-108.07	-24.68	0.00	0.00	0.00
6,900.00	6.00	250.00	6,893.79	-42.91	-117.89	-26.92	0.00	0.00	0.00
7,000.00	6.00	250.00	6,993.24	-46.48	-127.71	-29.16	0.00	0.00	0.00
7,100.00	6.00	250.00	7,092.70	-50.06	-137.53	-31.40	0.00	0.00	0.00
7,200.00	6.00	250.00	7,192.15	-53.63	-147.35	-33.65	0.00	0.00	0.00
7,300.00	6.00	250.00	7,291.60	-57.21	-157.18	-35.89	0.00	0.00	0.00
7,326.55	6.00	250.00	7,318.00	-58.16	-159.78	-36.48	0.00	0.00	0.00
Brushy Canyon									
7,400.00	6.00	250.00	7,391.05	-60.78	-167.00	-38.13	0.00	0.00	0.00
7,500.00	6.00	250.00	7,490.50	-64.36	-176.82	-40.37	0.00	0.00	0.00
7,600.00	6.00	250.00	7,589.96	-67.93	-186.64	-42.62	0.00	0.00	0.00
7,700.00	6.00	250.00	7,689.41	-71.51	-196.47	-44.86	0.00	0.00	0.00
7,800.00	6.00	250.00	7,788.86	-75.08	-206.29	-47.10	0.00	0.00	0.00
7,900.00	6.00	250.00	7,888.31	-78.66	-216.11	-49.35	0.00	0.00	0.00
8,000.00	6.00	250.00	7,987.77	-82.23	-225.93	-51.59	0.00	0.00	0.00
8,100.00	6.00	250.00	8,087.22	-85.81	-235.76	-53.83	0.00	0.00	0.00
8,200.00	6.00	250.00	8,186.67	-89.38	-245.58	-56.07	0.00	0.00	0.00
8,300.00	6.00	250.00	8,286.12	-92.96	-255.40	-58.32	0.00	0.00	0.00
8,400.00	6.00	250.00	8,385.57	-96.53	-265.22	-60.56	0.00	0.00	0.00
8,500.00	6.00	250.00	8,485.03	-100.11	-275.05	-62.80	0.00	0.00	0.00
8,546.23	6.00	250.00	8,531.00	-101.76	-279.59	-63.84	0.00	0.00	0.00
Lwr Brushy									
8,600.00	6.00	250.00	8,584.48	-103.68	-284.87	-65.05	0.00	0.00	0.00
8,700.00	6.00	250.00	8,683.93	-107.26	-294.69	-67.29	0.00	0.00	0.00
8,748.33	6.00	250.00	8,732.00	-108.99	-299.44	-68.37	0.00	0.00	0.00
Bone Spring									
8,800.00	6.00	250.00	8,783.38	-110.83	-304.51	-69.53	0.00	0.00	0.00
8,897.15	6.00	250.00	8,880.00	-114.31	-314.06	-71.71	0.00	0.00	0.00
Top Leonard									
8,900.00	6.00	250.00	8,882.84	-114.41	-314.34	-71.77	0.00	0.00	0.00
9,000.00	6.00	250.00	8,982.29	-117.98	-324.16	-74.02	0.00	0.00	0.00
9,100.00	6.00	250.00	9,081.74	-121.56	-333.98	-76.26	0.00	0.00	0.00

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Wellbore:	OH		
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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)
9,200.00	6.00	250.00	9,181.19	-125.13	-343.80	-78.50	0.00	0.00	0.00
9,300.00	6.00	250.00	9,280.64	-128.71	-353.63	-80.75	0.00	0.00	0.00
9,400.00	6.00	250.00	9,380.10	-132.28	-363.45	-82.99	0.00	0.00	0.00
9,500.00	6.00	250.00	9,479.55	-135.86	-373.27	-85.23	0.00	0.00	0.00
9,568.64	6.00	250.00	9,547.81	-138.31	-380.01	-86.77	0.00	0.00	0.00
Drop									
9,600.00	5.53	250.00	9,579.01	-139.39	-382.97	-87.45	1.50	-1.50	0.00
9,700.00	4.03	250.00	9,678.66	-142.24	-390.80	-89.23	1.50	-1.50	0.00
9,800.00	2.53	250.00	9,778.50	-144.20	-396.18	-90.46	1.50	-1.50	0.00
9,900.00	1.03	250.00	9,878.45	-145.26	-399.10	-91.13	1.50	-1.50	0.00
9,968.64	0.00	0.00	9,947.08	-145.47	-399.68	-91.26	1.50	-1.50	0.00
Hold									
10,000.00	0.00	0.00	9,978.44	-145.47	-399.68	-91.26	0.00	0.00	0.00
10,100.00	0.00	0.00	10,078.44	-145.47	-399.68	-91.26	0.00	0.00	0.00
10,168.64	0.00	0.00	10,147.08	-145.47	-399.68	-91.26	0.00	0.00	0.00
KOP 10° DLS									
10,200.00	3.14	352.39	10,178.43	-144.62	-399.79	-90.40	10.00	10.00	0.00
10,250.00	8.14	352.39	10,228.17	-139.75	-400.44	-85.49	10.00	10.00	0.00
10,300.00	13.14	352.39	10,277.29	-130.61	-401.66	-78.27	10.00	10.00	0.00
10,350.00	18.14	352.39	10,325.43	-117.26	-403.45	-62.80	10.00	10.00	0.00
10,400.00	23.14	352.39	10,372.21	-99.80	-405.78	-45.18	10.00	10.00	0.00
10,418.39	24.98	352.39	10,389.00	-92.36	-406.77	-37.68	10.00	10.00	0.00
2nd BS SS									
10,450.00	28.14	352.39	10,417.27	-78.36	-408.64	-23.55	10.00	10.00	0.00
10,500.00	33.14	352.39	10,460.28	-53.11	-412.02	1.92	10.00	10.00	0.00
10,550.00	38.14	352.39	10,500.90	-24.25	-415.87	31.04	10.00	10.00	0.00
10,600.00	43.14	352.39	10,538.83	8.02	-420.18	63.59	10.00	10.00	0.00
10,650.00	48.14	352.39	10,573.78	43.44	-424.92	99.33	10.00	10.00	0.00
10,700.00	53.14	352.39	10,605.48	81.74	-430.03	137.97	10.00	10.00	0.00
10,750.00	58.14	352.39	10,633.70	122.64	-435.50	179.23	10.00	10.00	0.00
10,800.00	63.14	352.39	10,658.21	165.82	-441.27	222.79	10.00	10.00	0.00
10,850.00	68.14	352.39	10,678.83	210.95	-447.30	268.33	10.00	10.00	0.00
10,900.00	73.14	352.39	10,695.40	257.69	-453.54	315.48	10.00	10.00	0.00
10,950.00	78.14	352.39	10,707.80	305.68	-459.95	363.90	10.00	10.00	0.00
11,000.00	83.14	352.39	10,715.93	354.57	-466.48	413.22	10.00	10.00	0.00
11,050.00	88.14	352.39	10,719.74	403.97	-473.08	463.06	10.00	10.00	0.00
11,075.32	90.67	352.39	10,720.00	429.06	-476.44	488.37	10.00	10.00	0.00
LP									
11,100.00	90.67	352.39	10,719.71	453.52	-479.70	513.06	0.00	0.00	0.00
11,200.00	90.67	352.39	10,718.55	552.64	-492.95	613.05	0.00	0.00	0.00
11,300.00	90.67	352.39	10,717.38	651.75	-506.19	713.04	0.00	0.00	0.00
11,400.00	90.67	352.39	10,716.22	750.86	-519.43	813.04	0.00	0.00	0.00
11,500.00	90.67	352.39	10,715.05	849.97	-532.67	913.03	0.00	0.00	0.00
11,600.00	90.67	352.39	10,713.89	949.09	-545.91	1,013.02	0.00	0.00	0.00
11,700.00	90.67	352.39	10,712.72	1,048.20	-559.16	1,113.02	0.00	0.00	0.00
11,800.00	90.67	352.39	10,711.56	1,147.31	-572.40	1,213.01	0.00	0.00	0.00
11,900.00	90.67	352.39	10,710.39	1,246.42	-585.64	1,313.00	0.00	0.00	0.00
12,000.00	90.67	352.39	10,709.22	1,345.54	-598.88	1,412.99	0.00	0.00	0.00
12,100.00	90.67	352.39	10,708.06	1,444.65	-612.12	1,512.99	0.00	0.00	0.00
12,200.00	90.67	352.39	10,706.89	1,543.76	-625.36	1,612.98	0.00	0.00	0.00
12,300.00	90.67	352.39	10,705.73	1,642.87	-638.61	1,712.97	0.00	0.00	0.00
12,400.00	90.67	352.39	10,704.56	1,741.99	-651.85	1,812.97	0.00	0.00	0.00
12,500.00	90.67	352.39	10,703.40	1,841.10	-665.09	1,912.96	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db,	Local Co-ordinate Reference:	Well 2H
Company:	DEVON ENERGY	TVD Reference:	3479.1' GL + 25' RKB @ 3504.10usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3479.1' GL + 25' RKB @ 3504.10usft
Site:	White Dove 17 Fed Com	North Reference:	Grid
Well:	2H	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)
12,600.00	90.67	352.39	10,702.23	1,940.21	-678.33	2,012.95	0.00	0.00	0.00
12,700.00	90.67	352.39	10,701.07	2,039.32	-691.57	2,112.95	0.00	0.00	0.00
12,800.00	90.67	352.39	10,699.90	2,138.44	-704.82	2,212.94	0.00	0.00	0.00
12,900.00	90.67	352.39	10,698.74	2,237.55	-718.06	2,312.93	0.00	0.00	0.00
13,000.00	90.67	352.39	10,697.57	2,336.66	-731.30	2,412.93	0.00	0.00	0.00
13,100.00	90.67	352.39	10,696.41	2,435.77	-744.54	2,512.92	0.00	0.00	0.00
13,200.00	90.67	352.39	10,695.24	2,534.89	-757.78	2,612.91	0.00	0.00	0.00
13,300.00	90.67	352.39	10,694.08	2,634.00	-771.02	2,712.91	0.00	0.00	0.00
13,400.00	90.67	352.39	10,692.91	2,733.11	-784.27	2,812.90	0.00	0.00	0.00
13,500.00	90.67	352.39	10,691.74	2,832.22	-797.51	2,912.89	0.00	0.00	0.00
13,600.00	90.67	352.39	10,690.58	2,931.34	-810.75	3,012.89	0.00	0.00	0.00
13,700.00	90.67	352.39	10,689.41	3,030.45	-823.99	3,112.88	0.00	0.00	0.00
13,800.00	90.67	352.39	10,688.25	3,129.56	-837.23	3,212.87	0.00	0.00	0.00
13,900.00	90.67	352.39	10,687.08	3,228.67	-850.48	3,312.87	0.00	0.00	0.00
14,000.00	90.67	352.39	10,685.92	3,327.79	-863.72	3,412.86	0.00	0.00	0.00
14,100.00	90.67	352.39	10,684.75	3,426.90	-876.96	3,512.85	0.00	0.00	0.00
14,200.00	90.67	352.39	10,683.59	3,526.01	-890.20	3,612.85	0.00	0.00	0.00
14,300.00	90.67	352.39	10,682.42	3,625.12	-903.44	3,712.84	0.00	0.00	0.00
14,400.00	90.67	352.39	10,681.26	3,724.24	-916.68	3,812.83	0.00	0.00	0.00
14,500.00	90.67	352.39	10,680.09	3,823.35	-929.93	3,912.82	0.00	0.00	0.00
14,600.00	90.67	352.39	10,678.93	3,922.46	-943.17	4,012.82	0.00	0.00	0.00
14,700.00	90.67	352.39	10,677.76	4,021.57	-956.41	4,112.81	0.00	0.00	0.00
14,800.00	90.67	352.39	10,676.60	4,120.69	-969.65	4,212.80	0.00	0.00	0.00
14,900.00	90.67	352.39	10,675.43	4,219.80	-982.89	4,312.80	0.00	0.00	0.00
15,000.00	90.67	352.39	10,674.26	4,318.91	-996.13	4,412.79	0.00	0.00	0.00
15,100.00	90.67	352.39	10,673.10	4,418.03	-1,009.38	4,512.78	0.00	0.00	0.00
15,200.00	90.67	352.39	10,671.93	4,517.14	-1,022.62	4,612.78	0.00	0.00	0.00
15,300.00	90.67	352.39	10,670.77	4,616.25	-1,035.86	4,712.77	0.00	0.00	0.00
15,365.93	90.67	352.39	10,670.00	4,681.59	-1,044.59	4,778.69	0.00	0.00	0.00
TD - PBHL (WD17FC 2H)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL (WD17FC 2H)	0.00	0.00	0.00	0.00	0.00	473,183.47	799,973.98	32° 17' 53.087 N	103° 29' 46.621 W
- hit/miss target									
- Shape									
- Point									
PBHL (WD17FC 2H)	0.00	0.00	10,670.00	4,681.59	-1,044.59	477,865.06	798,929.39	32° 18' 39.491 N	103° 29' 58.366 W
- plan hits target center									
- Point									

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 2H
Company:	DEVON ENERGY	TVD Reference:	3479.1' GL + 25' RKB @ 3504.10usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3479.1' GL + 25' RKB @ 3504.10usft
Site:	White Dove 17 Fed Com	North Reference:	Grid
Well:	2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,225.00	1,225.00	Top Salt		0.00		
5,125.00	5,125.00	Delaware		0.00		
7,326.55	7,318.00	Brushy Canyon		0.00		
8,546.23	8,531.00	Lwr Brushy		0.00		
8,748.33	8,732.00	Bone Spring		0.00		
8,897.15	8,880.00	Top Leonard		0.00		
10,418.39	10,389.00	2nd BS SS		0.00		

Plan Annotations:				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,500.00	5,500.00	0.00	0.00	Nudge
5,900.00	5,899.27	-7.16	-19.66	Hold
9,568.64	9,547.81	-138.31	-380.01	Drop
9,968.64	9,947.08	-145.47	-399.68	Hold
10,168.64	10,147.08	-145.47	-399.68	KOP 10° DLS
11,075.32	10,720.00	429.06	-476.44	LP
15,365.93	10,670.00	4,681.59	-1,044.59	TD