

HOBBS COO

APR 29 2016

RECEIVED

DEVON ENERGY

Lea County, NM (NAD-83)

Bell Lake 24 Fed

9H

OH

Plan #1

Anticollision Report

16 September, 2015

MAY 03 2016

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 9H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3580.6' GL + 25' RKB @ 3605.60usft
Reference Site:	Bell Lake 24 Fed	MD Reference:	3580.6' GL + 25' RKB @ 3605.60usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	9H	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	9/16/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	14,681.61	Plan #1 (OH)	LEAM MWD-ADJ	MWD - Standard	

Summary	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Site Name						
Offset Well - Wellbore - Design						
Bell Lake 24 Fed						
5H - OH - Plan #1	5,100.00	5,100.00	50.04	27.39	2.210	CC, ES, SF

Offset Design	Bell Lake 24 Fed - 5H - OH - Plan #1										Offset Site Error:	0.00 usft
Survey Program:	0-LEAM MWD-ADJ										Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis			Distance			Minimum Separation	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/S (usft)	+E/W (usft)	Between Centres (usft)	Between Ellipses (usft)		
0.00	0.00	0.00	0.00	0.00	0.00	-0.23	50.04	-0.20	50.04	49.87	0.17	295.858
100.00	100.00	100.00	100.00	0.08	0.08	-0.23	50.04	-0.20	50.04	49.42	0.82	80.884
200.00	200.00	200.00	200.00	0.31	0.31	-0.23	50.04	-0.20	50.04	48.97	1.07	46.845
300.00	300.00	300.00	300.00	0.53	0.53	-0.23	50.04	-0.20	50.04	48.52	1.52	32.970
400.00	400.00	400.00	400.00	0.76	0.76	-0.23	50.04	-0.20	50.04	48.07	1.97	25.437
500.00	500.00	500.00	500.00	0.98	0.98	-0.23	50.04	-0.20	50.04	47.62	2.42	20.705
600.00	600.00	600.00	600.00	1.21	1.21	-0.23	50.04	-0.20	50.04	47.17	2.87	17.458
700.00	700.00	700.00	700.00	1.43	1.43	-0.23	50.04	-0.20	50.04	46.72	3.32	15.091
800.00	800.00	800.00	800.00	1.66	1.66	-0.23	50.04	-0.20	50.04	46.28	3.77	13.290
900.00	900.00	900.00	900.00	1.88	1.88	-0.23	50.04	-0.20	50.04	45.83	4.21	11.872
1,000.00	1,000.00	1,000.00	1,000.00	2.11	2.11	-0.23	50.04	-0.20	50.04	45.38	4.66	10.728
1,100.00	1,100.00	1,100.00	1,100.00	2.33	2.33	-0.23	50.04	-0.20	50.04	44.93	5.11	9.785
1,200.00	1,200.00	1,200.00	1,200.00	2.56	2.56	-0.23	50.04	-0.20	50.04	44.48	5.56	8.994
1,300.00	1,300.00	1,300.00	1,300.00	2.78	2.78	-0.23	50.04	-0.20	50.04	44.03	6.01	8.322
1,400.00	1,400.00	1,400.00	1,400.00	3.01	3.01	-0.23	50.04	-0.20	50.04	43.58	6.46	7.743
1,500.00	1,500.00	1,500.00	1,500.00	3.23	3.23	-0.23	50.04	-0.20	50.04	43.13	6.91	7.240
1,600.00	1,600.00	1,600.00	1,600.00	3.46	3.46	-0.23	50.04	-0.20	50.04	42.68	7.36	6.797
1,700.00	1,700.00	1,700.00	1,700.00	3.68	3.68	-0.23	50.04	-0.20	50.04	42.23	7.81	6.406
1,800.00	1,800.00	1,800.00	1,800.00	3.91	3.91	-0.23	50.04	-0.20	50.04	41.78	8.26	6.058
1,900.00	1,900.00	1,900.00	1,900.00	4.13	4.13	-0.23	50.04	-0.20	50.04	41.33	8.71	5.745
2,000.00	2,000.00	2,000.00	2,000.00	4.36	4.35	-0.23	50.04	-0.20	50.04	40.88	9.16	5.463
2,100.00	2,100.00	2,100.00	2,100.00	4.58	4.58	-0.23	50.04	-0.20	50.04	40.43	9.61	5.207
2,200.00	2,200.00	2,200.00	2,200.00	4.80	4.80	-0.23	50.04	-0.20	50.04	39.98	10.06	4.975
2,300.00	2,300.00	2,300.00	2,300.00	5.03	5.03	-0.23	50.04	-0.20	50.04	39.53	10.51	4.762
2,400.00	2,400.00	2,400.00	2,400.00	5.25	5.25	-0.23	50.04	-0.20	50.04	39.08	10.96	4.567
2,500.00	2,500.00	2,500.00	2,500.00	5.48	5.48	-0.23	50.04	-0.20	50.04			

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

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 9H
Project:	Lea County NM (NAD-83)	TVD Reference:	3580.6' GL + 25' RKB @ 3605.60usft
Reference Site:	Bell Lake 24 Fed	MD Reference:	3580.6' GL + 25' RKB @ 3605.60usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	9H	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

Offset Design Bell Lake 24 Fed 5H OH Plan #1													Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD-ADJ													Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Minimum		Separation		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre N-S (usft)	Offset Wellbore Centre E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,600.00	2,600.00	2,600.00	2,600.00	5.70	5.70	-0.23	50.04	-0.20	50.04	38.63	11.41	4.387		
2,700.00	2,700.00	2,700.00	2,700.00	5.93	5.93	-0.23	50.04	-0.20	50.04	38.18	11.86	4.220		
2,800.00	2,800.00	2,800.00	2,800.00	6.15	6.15	-0.23	50.04	-0.20	50.04	37.73	12.31	4.066		
2,900.00	2,900.00	2,900.00	2,900.00	6.38	6.38	-0.23	50.04	-0.20	50.04	37.28	12.76	3.923		
3,000.00	3,000.00	3,000.00	3,000.00	6.60	6.60	-0.23	50.04	-0.20	50.04	36.83	13.21	3.789		
3,100.00	3,100.00	3,100.00	3,100.00	6.83	6.83	-0.23	50.04	-0.20	50.04	36.39	13.66	3.665		
3,200.00	3,200.00	3,200.00	3,200.00	7.05	7.05	-0.23	50.04	-0.20	50.04	35.94	14.10	3.548		
3,300.00	3,300.00	3,300.00	3,300.00	7.28	7.28	-0.23	50.04	-0.20	50.04	35.49	14.55	3.438		
3,400.00	3,400.00	3,400.00	3,400.00	7.50	7.50	-0.23	50.04	-0.20	50.04	35.04	15.00	3.335		
3,500.00	3,500.00	3,500.00	3,500.00	7.73	7.73	-0.23	50.04	-0.20	50.04	34.59	15.45	3.238		
3,600.00	3,600.00	3,600.00	3,600.00	7.95	7.95	-0.23	50.04	-0.20	50.04	34.14	15.90	3.147		
3,700.00	3,700.00	3,700.00	3,700.00	8.18	8.18	-0.23	50.04	-0.20	50.04	33.69	16.35	3.060		
3,800.00	3,800.00	3,800.00	3,800.00	8.40	8.40	-0.23	50.04	-0.20	50.04	33.24	16.80	2.978		
3,900.00	3,900.00	3,900.00	3,900.00	8.63	8.63	-0.23	50.04	-0.20	50.04	32.79	17.25	2.901		
4,000.00	4,000.00	4,000.00	4,000.00	8.85	8.85	-0.23	50.04	-0.20	50.04	32.34	17.70	2.827		
4,100.00	4,100.00	4,100.00	4,100.00	9.08	9.07	-0.23	50.04	-0.20	50.04	31.89	18.15	2.757		
4,200.00	4,200.00	4,200.00	4,200.00	9.30	9.30	-0.23	50.04	-0.20	50.04	31.44	18.60	2.690		
4,300.00	4,300.00	4,300.00	4,300.00	9.53	9.52	-0.23	50.04	-0.20	50.04	30.99	19.05	2.627		
4,400.00	4,400.00	4,400.00	4,400.00	9.75	9.75	-0.23	50.04	-0.20	50.04	30.54	19.50	2.566		
4,500.00	4,500.00	4,500.00	4,500.00	9.97	9.97	-0.23	50.04	-0.20	50.04	30.09	19.95	2.508		
4,600.00	4,600.00	4,600.00	4,600.00	10.20	10.20	-0.23	50.04	-0.20	50.04	29.64	20.40	2.453		
4,700.00	4,700.00	4,700.00	4,700.00	10.42	10.42	-0.23	50.04	-0.20	50.04	29.19	20.85	2.400		
4,800.00	4,800.00	4,800.00	4,800.00	10.65	10.65	-0.23	50.04	-0.20	50.04	28.74	21.30	2.350		
4,900.00	4,900.00	4,900.00	4,900.00	10.87	10.87	-0.23	50.04	-0.20	50.04	28.29	21.75	2.301		
5,000.00	5,000.00	5,000.00	5,000.00	11.10	11.10	-0.23	50.04	-0.20	50.04	27.84	22.20	2.254		
5,100.00	5,100.00	5,100.00	5,100.00	11.32	11.32	-0.23	50.04	-0.20	50.04	27.39	22.65	2.210	CC, ES, SF	
5,200.00	5,199.99	5,199.99	5,199.99	11.52	11.55	-143.61	50.04	-0.20	51.09	28.02	23.06	2.215		
5,300.00	5,299.91	5,299.91	5,299.91	11.70	11.77	-146.04	50.04	-0.20	54.30	30.85	23.45	2.316		
5,400.00	5,399.69	5,399.69	5,399.69	11.87	12.00	-149.50	50.04	-0.20	59.84	36.02	23.82	2.512		
5,433.33	5,432.91	5,432.91	5,432.91	11.93	12.07	-150.77	50.04	-0.20	62.23	38.29	23.94	2.600		
5,500.00	5,499.32	5,499.32	5,499.32	12.05	12.22	-153.18	50.04	-0.20	67.37	43.16	24.20	2.783		
5,600.00	5,598.94	5,598.94	5,598.94	12.24	12.44	-156.17	50.04	-0.20	75.25	50.65	24.60	3.059		
5,700.00	5,698.56	5,698.56	5,698.56	12.42	12.67	-158.59	50.04	-0.20	83.31	58.30	25.01	3.331		
5,800.00	5,798.18	5,798.18	5,798.18	12.61	12.89	-160.59	50.04	-0.20	91.48	66.07	25.41	3.600		
5,900.00	5,897.80	5,897.80	5,897.80	12.81	13.12	-162.25	50.04	-0.20	99.74	73.93	25.82	3.863		
6,000.00	5,997.42	5,997.42	5,997.42	13.00	13.34	-163.66	50.04	-0.20	108.08	81.85	26.23	4.121		
6,100.00	6,097.04	6,097.04	6,097.04	13.20	13.56	-164.86	50.04	-0.20	116.47	89.83	26.64	4.373		
6,200.00	6,196.66	6,196.66	6,196.66	13.41	13.79	-165.91	50.04	-0.20	124.91	97.86	27.05	4.618		
6,300.00	6,296.28	6,296.28	6,296.28	13.61	14.01	-166.82	50.04	-0.20	133.38	105.92	27.46	4.857		
6,400.00	6,395.90	6,395.90	6,395.90	13.82	14.24	-167.62	50.04	-0.20	141.88	114.01	27.88	5.090		
6,500.00	6,495.52	6,495.52	6,495.52	14.03	14.46	-168.33	50.04	-0.20	150.41	122.12	28.29	5.316		
6,600.00	6,595.14	6,595.14	6,595.14	14.24	14.68	-168.97	50.04	-0.20	158.95	130.25	28.71	5.537		
6,700.00	6,694.76	6,694.76	6,694.76	14.45	14.91	-169.54	50.04	-0.20	167.52	138.39	29.13	5.752		
6,800.00	6,794.38	6,794.38	6,794.38	14.67	15.13	-170.05	50.04	-0.20	176.10	146.55	29.54	5.960		
6,900.00	6,894.00	6,894.00	6,894.00	14.89	15.35	-170.52	50.04	-0.20	184.69	154.72	29.97	6.163		
7,000.00	6,993.62	6,993.62	6,993.62	15.11	15.58	-170.95	50.04	-0.20	193.29	162.90	30.39	6.361		
7,100.00	7,093.24	7,093.24	7,093.24	15.33	15.80	-171.34	50.04	-0.20	201.90	171.09	30.81	6.553		
7,200.00	7,192.85	7,192.85	7,192.85	15.55	16.03	-171.69	50.04	-0.20	210.52	179.29	31.23	6.741		
7,300.00	7,292.47	7,292.47	7,292.47	15.78	16.25	-172.02	50.04	-0.20	219.15	187.50	31.66	6.923		
7,400.00	7,392.09	7,392.09	7,392.09	16.01	16.47	-172.33	50.04	-0.20	227.79	195.71	32.08	7.100		
7,500.00	7,491.71	7,491.71	7,491.71	16.24	16.70	-172.61	50.04	-0.20	236.43	203.92	32.51	7.273		
7,600.00	7,591.33	7,591.33	7,591.33	16.47	16.92	-172.87	50.04	-0.20	245.07	212.14	32.93	7.441		

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

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well: 9H
Project:	Lea County NM (NAD-83)	TVD Reference:	3580.6' GL + 25' RKB @ 3605.60usft
Reference Site:	Bell Lake 24 Fed	MD Reference:	3580.6' GL + 25' RKB @ 3605.60usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	9H	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

Offset Design: Bell Lake 24 Fed 5H - OH - Plan #1													Offset Site Error:
Survey Program: 0-LEAM MWD-ADJ													0.00 usft
Reference	Offset		Semi Major Axis		Distance		Minimum		Separation		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,700.00	7,690.95	7,690.95	7,690.95	16.70	17.15	-173.11	50.04	-0.20	253.73	220.36	33.36	7.605	
7,800.00	7,790.57	7,790.57	7,790.57	16.93	17.37	-173.34	50.04	-0.20	262.38	228.59	33.79	7.765	
7,900.00	7,890.19	7,890.19	7,890.19	17.17	17.59	-173.56	50.04	-0.20	271.04	236.82	34.22	7.920	
7,933.33	7,923.40	7,923.40	7,923.40	17.24	17.67	-173.62	50.04	-0.20	273.93	239.56	34.36	7.971	
8,000.00	7,989.86	7,989.86	7,989.86	17.40	17.82	-173.75	50.04	-0.20	279.13	244.44	34.69	8.047	
8,100.00	8,089.69	8,089.69	8,089.69	17.62	18.04	-173.89	50.04	-0.20	284.76	249.60	35.16	8.099	
8,200.00	8,189.64	8,189.64	8,189.64	17.84	18.27	-173.95	50.04	-0.20	287.80	252.19	35.61	8.082	
8,266.67	8,256.31	8,256.31	8,256.31	17.97	18.42	-31.47	50.04	-0.20	288.38	252.48	35.90	8.034	
8,300.00	8,289.64	8,289.64	8,289.64	18.04	18.49	-31.47	50.04	-0.20	288.38	252.34	36.04	8.002	
8,400.00	8,389.64	8,389.64	8,389.64	18.25	18.72	-31.47	50.04	-0.20	288.38	251.90	36.48	7.905	
8,500.00	8,489.64	8,489.64	8,489.64	18.46	18.94	-31.47	50.04	-0.20	288.38	251.45	36.92	7.810	
8,600.00	8,589.64	8,589.64	8,589.64	18.67	19.17	-31.47	50.04	-0.20	288.38	251.01	37.37	7.718	
8,700.00	8,689.64	8,689.64	8,689.64	18.88	19.39	-31.47	50.04	-0.20	288.38	250.57	37.81	7.627	
8,800.00	8,789.64	8,789.64	8,789.64	19.10	19.62	-31.47	50.04	-0.20	288.38	250.13	38.25	7.539	
8,900.00	8,889.64	8,889.64	8,889.64	19.31	19.84	-31.47	50.04	-0.20	288.38	249.68	38.69	7.453	
9,000.00	8,989.64	8,989.64	8,989.64	19.52	20.07	-31.47	50.04	-0.20	288.38	249.24	39.14	7.368	
9,100.00	9,089.64	9,089.64	9,089.64	19.74	20.29	-31.47	50.04	-0.20	288.38	248.80	39.58	7.286	
9,200.00	9,189.64	9,189.64	9,189.64	19.95	20.51	-31.47	50.04	-0.20	288.38	248.35	40.02	7.205	
9,229.75	9,219.40	9,219.40	9,219.40	20.01	20.58	-31.47	50.04	-0.20	288.38	248.22	40.16	7.181	
9,300.00	9,289.64	9,275.08	9,275.08	20.16	20.71	-31.30	51.29	0.01	289.70	249.27	40.43	7.165	
9,400.00	9,389.64	9,350.00	9,349.27	20.38	20.88	-30.07	60.99	1.61	299.59	258.77	40.82	7.339	
9,500.00	9,489.64	9,414.12	9,411.32	20.59	21.02	-28.18	76.83	4.22	319.18	277.99	41.19	7.749	
9,512.17	9,501.81	9,422.09	9,418.89	20.62	21.03	-27.90	79.27	4.63	322.24	281.01	41.23	7.815	
9,550.00	9,539.61	9,450.00	9,445.13	20.70	21.10	-26.26	88.64	6.18	331.63	290.32	41.31	8.027	
9,600.00	9,589.30	9,478.86	9,471.74	20.79	21.16	-24.88	99.64	7.99	342.79	301.57	41.23	8.314	
9,650.00	9,638.32	9,510.83	9,500.53	20.87	21.22	-23.58	113.36	10.26	352.58	311.63	40.95	8.610	
9,700.00	9,686.29	9,550.00	9,534.67	20.95	21.30	-22.25	132.29	13.39	361.02	320.54	40.49	8.917	
9,750.00	9,732.87	9,574.16	9,555.04	21.01	21.36	-21.42	145.10	15.50	367.73	327.93	39.80	9.239	
9,800.00	9,777.69	9,600.00	9,576.21	21.07	21.42	-20.65	159.72	17.92	373.08	334.15	38.94	9.582	
9,850.00	9,820.40	9,636.84	9,605.18	21.13	21.52	-19.74	182.17	21.63	376.74	338.82	37.92	9.935	
9,900.00	9,860.70	9,668.00	9,628.49	21.18	21.60	-19.04	202.55	24.99	378.88	342.13	36.75	10.309	
9,950.00	9,898.26	9,700.00	9,651.24	21.22	21.70	-18.41	224.75	28.66	379.43	343.96	35.47	10.696	
10,000.00	9,932.80	9,730.05	9,671.43	21.27	21.80	-17.88	246.72	32.29	378.37	344.26	34.11	11.093	
10,050.00	9,964.06	9,760.99	9,690.96	21.30	21.90	-17.40	270.39	36.20	375.69	342.99	32.70	11.488	
10,100.00	9,991.81	9,800.00	9,713.69	21.35	22.05	-16.83	301.65	41.36	371.55	340.25	31.30	11.870	
10,150.00	10,015.83	9,822.83	9,725.98	21.48	22.14	-16.61	320.63	44.50	365.53	335.56	29.97	12.197	
10,200.00	10,035.93	9,850.00	9,739.59	21.65	22.26	-16.35	343.83	48.33	358.08	329.33	28.78	12.453	
10,250.00	10,051.97	9,884.75	9,755.34	21.85	22.42	-16.02	374.39	53.38	349.00	321.28	27.72	12.591	
10,300.00	10,063.82	9,915.81	9,767.82	22.08	22.58	-15.79	402.45	58.01	338.38	311.45	26.93	12.566	
10,350.00	10,071.40	9,950.00	9,779.74	22.33	22.76	-15.55	434.06	63.24	326.25	299.82	26.43	12.343	
10,400.00	10,074.64	9,978.28	9,788.14	22.61	22.92	-15.46	460.69	67.84	312.56	286.27	26.29	11.890	
10,413.48	10,074.76	9,986.74	9,790.40	22.69	22.97	-15.42	468.74	68.97	308.62	282.32	26.31	11.732	
10,500.00	10,074.57	10,050.00	9,803.40	23.25	23.36	-14.09	529.79	79.05	287.08	260.75	25.34	10.900	
10,600.00	10,074.34	10,108.98	9,809.31	24.02	23.77	-12.39	587.66	88.61	272.33	245.95	26.37	10.325	
10,700.00	10,074.11	10,194.54	9,810.14	24.89	24.40	-9.54	672.14	102.10	267.77	241.45	26.33	10.171	
10,800.00	10,073.88	10,292.59	9,810.38	25.87	25.19	-6.64	769.29	115.35	265.32	238.85	26.47	10.022	
10,900.00	10,073.65	10,391.29	9,810.62	26.93	26.08	-4.23	867.39	126.15	263.76	236.90	26.86	9.820	
11,000.00	10,073.42	10,490.51	9,810.87	28.07	27.06	-2.33	966.26	134.45	262.77	235.34	27.44	9.577	
11,100.00	10,073.19	10,590.12	9,811.12	29.28	28.12	-0.98	1,065.70	140.21	262.12	233.96	28.16	9.308	
11,200.00	10,072.96	10,689.99	9,811.36	30.55	29.26	-0.19	1,165.51	143.37	261.60	232.63	28.97	9.029	
11,300.00	10,072.74	10,789.97	9,811.61	31.87	30.46	0.03	1,265.50	143.93	261.13	231.29	29.84	8.752	
11,400.00	10,072.51	10,889.97	9,811.86	33.24	31.69	0.03	1,365.49	143.48	260.65	229.90	30.75	8.478	

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

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 9H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3580.6' GL + 25' RKB @ 3605.60usft
Reference Site:	Bell Lake 24 Fed	MD Reference:	3580.6' GL + 25' RKB @ 3605.60usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	9H	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

Offset Design: Bell Lake 24 Fed - 5H - OH - Plan #1											Offset Site Error: 0.00 usft	
Survey Program: 0-LEAM MWD ADJ											Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (usft)	+E-W (usft)				Between Centres (usft)
11,500.00	10,072.28	10,989.97	9,812.11	34.68	32.97	0.03	1,465.49	143.03	260.17	228.48	31.70	8.209
11,600.00	10,072.05	11,089.97	9,812.36	36.11	34.30	0.03	1,565.49	142.58	259.89	227.01	32.88	7.946
11,700.00	10,071.82	11,189.97	9,812.60	37.60	35.68	0.02	1,665.49	142.13	259.22	225.51	33.71	7.690
11,800.00	10,071.59	11,289.97	9,812.85	39.11	37.10	0.02	1,765.48	141.68	258.74	223.98	34.76	7.443
11,900.00	10,071.36	11,389.97	9,813.10	40.65	38.55	0.02	1,865.48	141.23	258.26	222.42	35.85	7.205
12,000.00	10,071.13	11,489.96	9,813.35	42.21	40.03	0.02	1,965.48	140.78	257.79	220.83	36.96	6.975
12,100.00	10,070.91	11,589.96	9,813.60	43.80	41.54	0.02	2,065.48	140.33	257.31	219.22	38.09	6.755
12,200.00	10,070.68	11,689.96	9,813.84	45.40	43.07	0.02	2,165.47	139.88	256.83	217.58	39.25	6.543
12,300.00	10,070.45	11,789.96	9,814.09	47.02	44.63	0.02	2,265.47	139.43	256.36	215.93	40.43	6.341
12,400.00	10,070.22	11,889.96	9,814.34	48.65	46.20	0.02	2,365.47	138.98	255.88	214.26	41.62	6.147
12,500.00	10,069.99	11,989.96	9,814.59	50.30	47.80	0.02	2,465.47	138.53	255.40	212.57	42.84	5.962
12,600.00	10,069.76	12,089.96	9,814.84	51.95	49.41	0.02	2,565.46	138.08	254.93	210.86	44.06	5.785
12,700.00	10,069.53	12,189.96	9,815.09	53.62	51.03	0.02	2,665.46	137.63	254.45	209.14	45.31	5.616
12,800.00	10,069.30	12,289.96	9,815.33	55.30	52.67	0.02	2,765.46	137.18	253.97	207.41	46.56	5.454
12,900.00	10,069.08	12,389.95	9,815.58	56.99	54.32	0.01	2,865.46	136.72	253.50	205.66	47.83	5.300
13,000.00	10,068.85	12,489.95	9,815.83	58.69	55.98	0.01	2,965.45	136.27	253.02	203.91	49.11	5.152
13,100.00	10,068.62	12,589.95	9,816.08	60.39	57.65	0.01	3,065.45	135.82	252.54	202.14	50.40	5.011
13,200.00	10,068.39	12,689.95	9,816.33	62.11	59.33	0.01	3,165.45	135.37	252.06	200.37	51.70	4.876
13,300.00	10,068.16	12,789.95	9,816.57	63.83	61.02	0.01	3,265.45	134.92	251.59	198.58	53.00	4.747
13,400.00	10,067.93	12,889.95	9,816.82	65.55	62.72	0.01	3,365.44	134.47	251.11	196.79	54.32	4.623
13,500.00	10,067.70	12,989.95	9,817.07	67.28	64.42	0.01	3,465.44	134.02	250.63	194.99	55.64	4.504
13,600.00	10,067.47	13,089.95	9,817.32	69.01	66.13	0.01	3,565.44	133.57	250.16	193.18	56.97	4.391
13,700.00	10,067.25	13,189.95	9,817.57	70.75	67.85	0.01	3,665.44	133.12	249.68	191.37	58.31	4.282
13,800.00	10,067.02	13,289.94	9,817.81	72.50	69.57	0.01	3,765.43	132.67	249.20	189.55	59.65	4.178
13,900.00	10,066.79	13,389.94	9,818.06	74.25	71.30	0.01	3,865.43	132.22	248.73	187.73	61.00	4.077
14,000.00	10,066.56	13,489.94	9,818.31	76.00	73.03	0.01	3,965.43	131.77	248.25	185.89	62.36	3.981
14,100.00	10,066.33	13,589.94	9,818.56	77.75	74.77	0.00	4,065.43	131.32	247.77	184.06	63.71	3.889
14,200.00	10,066.10	13,689.94	9,818.81	79.51	76.51	0.00	4,165.43	130.87	247.30	182.22	65.08	3.800
14,300.00	10,065.87	13,789.94	9,819.05	81.27	78.26	0.00	4,265.42	130.42	246.82	180.37	66.45	3.715
14,400.00	10,065.64	13,889.94	9,819.30	83.04	80.01	0.00	4,365.42	129.97	246.34	178.52	67.82	3.632
14,500.00	10,065.42	13,989.94	9,819.55	84.81	81.76	0.00	4,465.42	129.52	245.87	176.67	69.19	3.553
14,600.00	10,065.19	14,089.94	9,819.80	86.58	83.52	0.00	4,565.42	129.06	245.39	174.81	70.57	3.477
14,681.61	10,065.00	14,170.93	9,820.00	88.02	84.94	0.00	4,646.41	128.70	245.00	173.30	71.70	3.417
14,682.11	10,065.00	14,170.93	9,820.00	88.03	84.94	0.00	4,646.41	128.70	245.00	173.30	71.70	3.417

LEAM Drilling Systems LLC

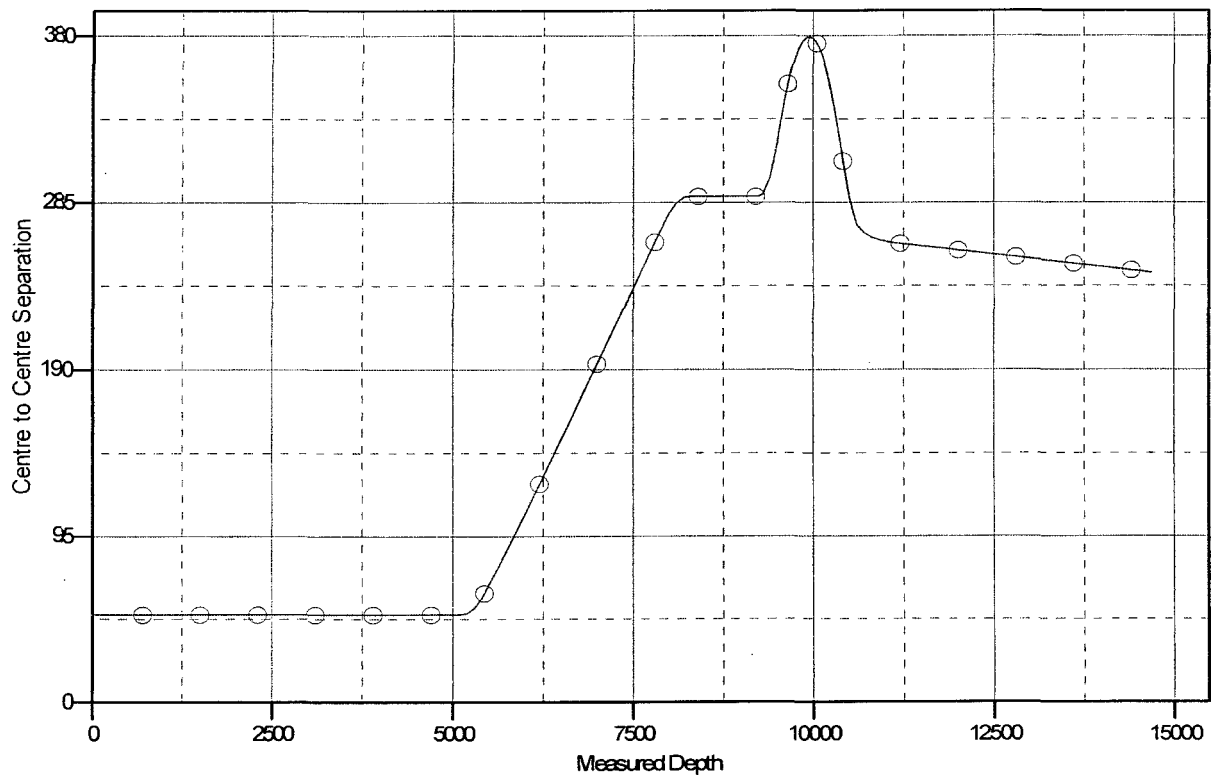
Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 9H
Project:	Lea County NM (NAD-83)	TVD Reference:	3580.6' GL + 25' RKB @ 3605.60usft
Reference Site:	Bell Lake, 24 Fed	MD Reference:	3580.6' GL + 25' RKB @ 3605.60usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	9H	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 3580.6' GL + 25' RKB @ 3605.60usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: 9H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.37°

Ladder Plot



LEGEND

—●— 5H, OH, Plan #1 V0

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

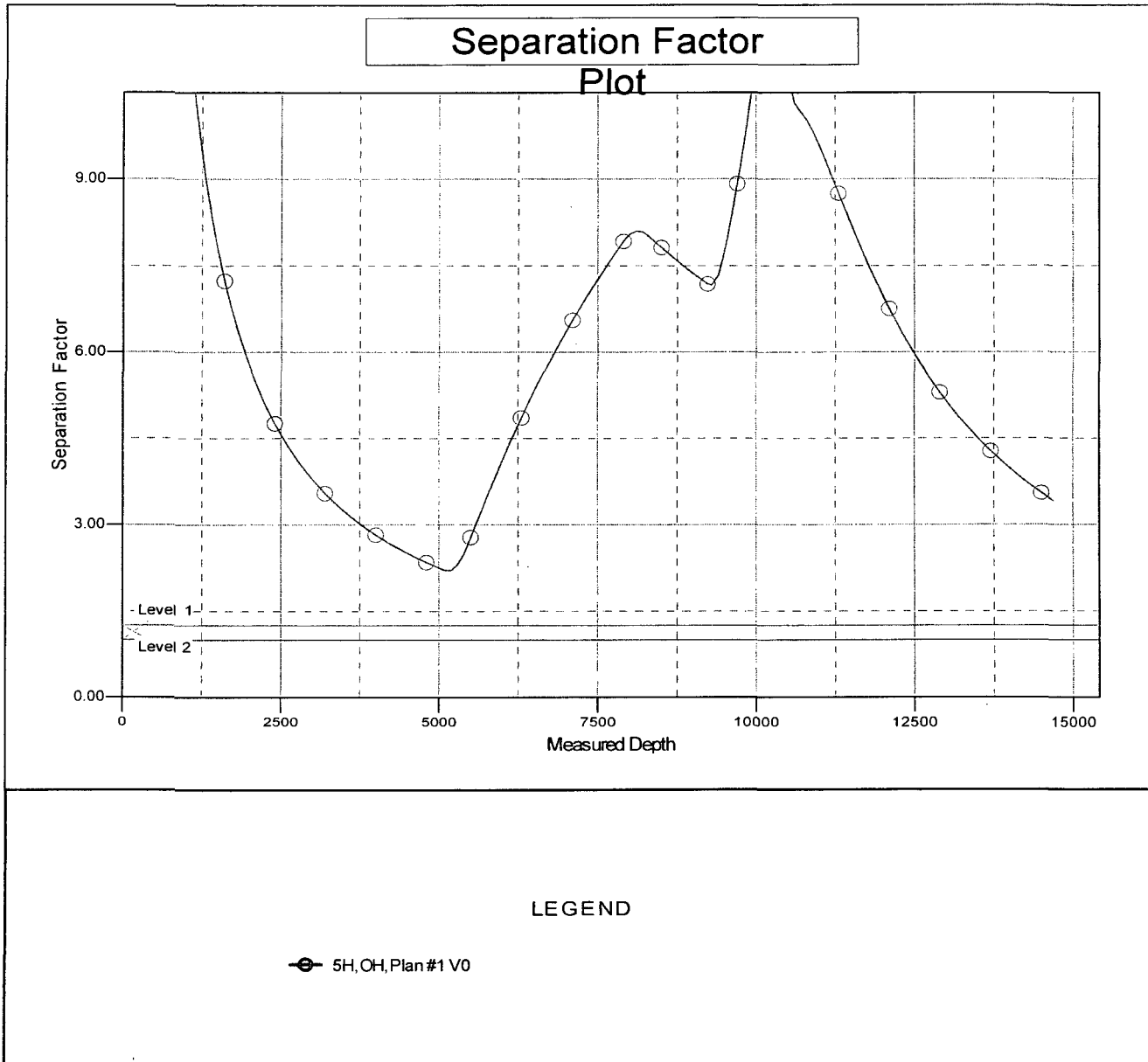
LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well: 9H
Project:	Lea County NM (NAD-83)	TVD Reference:	3580.6' GL + 25' RKB @ 3605.60usft
Reference Site:	Bell Lake 24 Fed	MD Reference:	3580.6' GL + 25' RKB @ 3605.60usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	9H	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 3580.6' GL + 25' RKB @ 3605.60usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: 9H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.37°



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