

HOBBS CCD

APR 25 2016

RECEIVED

DEVON ENERGY

**Lea County, NM (NAD-83)
Green Wave 20-17 Fed
41H**

**OH
Plan #1**

Anticollision Report

08 July, 2015

APR 26 2016

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 41H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	41H	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 7/8/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	18,144.72	Plan #1 (OH)	LEAM MWD-ADJ	MWD - Standard

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Green Wave 20-17 Fed						
21H - OH - Plan #1	6,000.00	5,998.10	100.02	73.34	3.748	CC, ES
21H - OH - Plan #1	6,100.00	6,096.57	100.77	73.64	3.714	SF
31H - OH - Plan #1	4,368.50	4,367.70	50.02	30.67	2.586	CC
31H - OH - Plan #1	4,500.00	4,499.13	50.11	30.21	2.518	ES
31H - OH - Plan #1	4,600.00	4,598.95	50.57	30.24	2.487	SF

Offset Design	Green Wave 20-17 Fed - 21H - 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			Highside	Offset Wellbore Centre		Distance		Minimum Separation	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	N/S (usft)	E/W (usft)	Between Centres (usft)	Between Ellipses (usft)		
0.00	0.00	0.00	0.00	0.00	0.00	-0.49	100.02	-0.85	100.04			
100.00	100.00	98.10	98.10	0.08	0.08	-0.49	100.02	-0.85	100.02	99.88	0.17	599.040
200.00	200.00	198.10	198.10	0.31	0.30	-0.49	100.02	-0.85	100.02	99.41	0.61	162.948
300.00	300.00	298.10	298.10	0.53	0.53	-0.49	100.02	-0.85	100.02	98.96	1.06	94.063
400.00	400.00	398.10	398.10	0.76	0.75	-0.49	100.02	-0.85	100.02	98.51	1.51	66.114
500.00	500.00	498.10	498.10	0.98	0.98	-0.49	100.02	-0.85	100.02	98.06	1.96	50.969
600.00	600.00	598.10	598.10	1.21	1.20	-0.49	100.02	-0.85	100.02	97.61	2.41	41.470
700.00	700.00	698.10	698.10	1.43	1.43	-0.49	100.02	-0.85	100.02	97.16	2.86	34.955
800.00	800.00	798.10	798.10	1.66	1.65	-0.49	100.02	-0.85	100.02	96.71	3.31	30.209
900.00	900.00	898.10	898.10	1.88	1.88	-0.49	100.02	-0.85	100.02	96.26	3.76	26.598
1,000.00	1,000.00	998.10	998.10	2.11	2.10	-0.49	100.02	-0.85	100.02	95.81	4.21	23.758
1,100.00	1,100.00	1,098.10	1,098.10	2.33	2.33	-0.49	100.02	-0.85	100.02	95.36	4.66	21.466
1,200.00	1,200.00	1,198.10	1,198.10	2.56	2.55	-0.49	100.02	-0.85	100.02	94.91	5.11	19.577
1,300.00	1,300.00	1,298.10	1,298.10	2.78	2.78	-0.49	100.02	-0.85	100.02	94.46	5.56	17.994
1,400.00	1,400.00	1,398.10	1,398.10	3.01	3.00	-0.49	100.02	-0.85	100.02	94.02	6.01	16.648
1,500.00	1,500.00	1,498.10	1,498.10	3.23	3.23	-0.49	100.02	-0.85	100.02	93.57	6.46	15.489
1,600.00	1,600.00	1,598.10	1,598.10	3.46	3.45	-0.49	100.02	-0.85	100.02	93.12	6.91	14.481
1,700.00	1,700.00	1,698.10	1,698.10	3.68	3.68	-0.49	100.02	-0.85	100.02	92.67	7.36	13.596
1,800.00	1,800.00	1,798.10	1,798.10	3.91	3.90	-0.49	100.02	-0.85	100.02	92.22	7.81	12.813
1,900.00	1,900.00	1,898.10	1,898.10	4.13	4.13	-0.49	100.02	-0.85	100.02	91.77	8.26	12.115
2,000.00	2,000.00	1,998.10	1,998.10	4.35	4.35	-0.49	100.02	-0.85	100.02	91.32	8.71	11.490
2,100.00	2,100.00	2,098.10	2,098.10	4.58	4.58	-0.49	100.02	-0.85	100.02	90.87	9.15	10.926

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 41H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Reference Site:	Green Wave 20-17-Fed	MD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	41H	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: Green Wave 20-17-Fed - 21H- 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		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	
2,200.00	2,200.00	2,198.10	2,198.10	4.80	4.80	-0.49	100.02	-0.85	100.02	90.42	9.60	10.414	
2,300.00	2,300.00	2,298.10	2,298.10	5.03	5.02	-0.49	100.02	-0.85	100.02	89.97	10.05	9.949	
2,400.00	2,400.00	2,398.10	2,398.10	5.25	5.25	-0.49	100.02	-0.85	100.02	89.52	10.50	9.523	
2,500.00	2,500.00	2,498.10	2,498.10	5.48	5.47	-0.49	100.02	-0.85	100.02	89.07	10.95	9.132	
2,600.00	2,600.00	2,598.10	2,598.10	5.70	5.70	-0.49	100.02	-0.85	100.02	88.62	11.40	8.772	
2,700.00	2,700.00	2,698.10	2,698.10	5.93	5.92	-0.49	100.02	-0.85	100.02	88.17	11.85	8.439	
2,800.00	2,800.00	2,798.10	2,798.10	6.15	6.15	-0.49	100.02	-0.85	100.02	87.72	12.30	8.131	
2,900.00	2,900.00	2,898.10	2,898.10	6.38	6.37	-0.49	100.02	-0.85	100.02	87.27	12.75	7.844	
3,000.00	3,000.00	2,998.10	2,998.10	6.60	6.60	-0.49	100.02	-0.85	100.02	86.82	13.20	7.577	
3,100.00	3,100.00	3,098.10	3,098.10	6.83	6.82	-0.49	100.02	-0.85	100.02	86.37	13.65	7.328	
3,200.00	3,200.00	3,198.10	3,198.10	7.05	7.05	-0.49	100.02	-0.85	100.02	85.92	14.10	7.094	
3,300.00	3,300.00	3,298.10	3,298.10	7.28	7.27	-0.49	100.02	-0.85	100.02	85.47	14.55	6.875	
3,400.00	3,400.00	3,398.10	3,398.10	7.50	7.50	-0.49	100.02	-0.85	100.02	85.02	15.00	6.669	
3,500.00	3,500.00	3,498.10	3,498.10	7.73	7.72	-0.49	100.02	-0.85	100.02	84.58	15.45	6.475	
3,600.00	3,600.00	3,598.10	3,598.10	7.95	7.95	-0.49	100.02	-0.85	100.02	84.13	15.90	6.292	
3,700.00	3,700.00	3,698.10	3,698.10	8.18	8.17	-0.49	100.02	-0.85	100.02	83.68	16.35	6.119	
3,800.00	3,800.00	3,798.10	3,798.10	8.40	8.40	-0.49	100.02	-0.85	100.02	83.23	16.80	5.955	
3,900.00	3,900.00	3,898.10	3,898.10	8.63	8.62	-0.49	100.02	-0.85	100.02	82.78	17.25	5.800	
4,000.00	4,000.00	3,998.10	3,998.10	8.85	8.85	-0.49	100.02	-0.85	100.02	82.33	17.70	5.652	
4,100.00	4,100.00	4,098.10	4,098.10	9.07	9.07	-0.49	100.02	-0.85	100.02	81.88	18.15	5.512	
4,200.00	4,200.00	4,198.10	4,198.10	9.30	9.30	-0.49	100.02	-0.85	100.02	81.43	18.60	5.379	
4,300.00	4,300.00	4,298.10	4,298.10	9.52	9.52	-0.49	100.02	-0.85	100.02	80.98	19.04	5.252	
4,400.00	4,400.00	4,398.10	4,398.10	9.75	9.74	-0.49	100.02	-0.85	100.02	80.53	19.49	5.131	
4,500.00	4,500.00	4,498.10	4,498.10	9.97	9.97	-0.49	100.02	-0.85	100.02	80.08	19.94	5.015	
4,600.00	4,600.00	4,598.10	4,598.10	10.20	10.19	-0.49	100.02	-0.85	100.02	79.63	20.39	4.905	
4,700.00	4,700.00	4,698.10	4,698.10	10.42	10.42	-0.49	100.02	-0.85	100.02	79.18	20.84	4.799	
4,800.00	4,800.00	4,798.10	4,798.10	10.65	10.64	-0.49	100.02	-0.85	100.02	78.73	21.29	4.698	
4,900.00	4,900.00	4,898.10	4,898.10	10.87	10.87	-0.49	100.02	-0.85	100.02	78.28	21.74	4.601	
5,000.00	5,000.00	4,898.10	4,898.10	11.10	11.09	-0.49	100.02	-0.85	100.02	77.83	22.19	4.507	
5,100.00	5,100.00	5,098.10	5,098.10	11.32	11.32	-0.49	100.02	-0.85	100.02	77.38	22.64	4.418	
5,200.00	5,200.00	5,198.10	5,198.10	11.55	11.54	-0.49	100.02	-0.85	100.02	76.93	23.09	4.332	
5,300.00	5,300.00	5,298.10	5,298.10	11.77	11.77	-0.49	100.02	-0.85	100.02	76.48	23.54	4.249	
5,400.00	5,400.00	5,398.10	5,398.10	12.00	11.99	-0.49	100.02	-0.85	100.02	76.03	23.99	4.169	
5,500.00	5,500.00	5,498.10	5,498.10	12.22	12.22	-0.49	100.02	-0.85	100.02	75.58	24.44	4.093	
5,600.00	5,600.00	5,598.10	5,598.10	12.45	12.44	-0.49	100.02	-0.85	100.02	75.14	24.89	4.019	
5,700.00	5,700.00	5,698.10	5,698.10	12.67	12.67	-0.49	100.02	-0.85	100.02	74.69	25.34	3.948	
5,800.00	5,800.00	5,798.10	5,798.10	12.90	12.89	-0.49	100.02	-0.85	100.02	74.24	25.79	3.879	
5,900.00	5,900.00	5,898.10	5,898.10	13.12	13.12	-0.49	100.02	-0.85	100.02	73.79	26.24	3.812	
6,000.00	6,000.00	5,998.10	5,998.10	13.35	13.34	-0.49	100.02	-0.85	100.02	73.34	26.69	3.748 CC, ES	
6,100.00	6,100.00	6,098.57	6,098.56	13.57	13.56	-0.29	100.78	-0.51	100.77	73.64	27.13	3.714 SF	
6,200.00	6,200.00	6,194.95	6,194.91	13.80	13.78	0.31	103.03	0.55	103.08	75.50	27.58	3.738	
6,300.00	6,300.00	6,293.22	6,293.09	14.02	14.00	1.24	106.82	2.32	106.96	78.94	28.02	3.818	
6,400.00	6,400.00	6,391.31	6,391.01	14.24	14.22	2.45	112.13	4.80	112.45	83.99	28.46	3.951	
6,500.00	6,500.00	6,489.18	6,488.59	14.47	14.44	3.83	118.93	7.97	119.58	90.68	28.90	4.137	
6,600.00	6,600.00	6,588.59	6,587.62	14.69	14.66	5.24	126.78	11.63	127.74	98.39	29.35	4.352	
6,700.00	6,700.00	6,688.21	6,686.86	14.92	14.88	6.48	134.65	15.30	135.98	106.18	29.80	4.583	
6,800.00	6,800.00	6,787.83	6,786.10	15.14	15.11	7.58	142.52	18.97	144.27	114.03	30.24	4.770	
6,900.00	6,900.00	6,887.45	6,885.34	15.37	15.33	8.56	150.38	22.64	152.61	121.92	30.69	4.972	
7,000.00	7,000.00	6,987.07	6,984.58	15.59	15.56	9.44	158.25	26.30	160.99	129.85	31.14	5.170	
7,100.00	7,100.00	7,087.94	7,085.10	15.82	15.77	10.21	166.92	29.88	169.09	137.52	31.57	5.357	
7,200.00	7,200.00	7,189.14	7,186.01	16.04	15.95	10.84	172.81	33.09	176.36	144.39	31.97	5.517	
7,300.00	7,300.00	7,290.46	7,287.11	16.27	16.14	11.36	178.89	35.93	182.80	150.43	32.36	5.648	

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 41H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	41H	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 Green Wave 20-17 Fed - 21H - OH - Plan #1													Offset Site Error:
Survey Program: 0-LEAM MWD-ADJ													Offset Well Error:
Reference													
Offset													
Semi Major Axis													
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	Warning
7,400.00	7,400.00	7,391.89	7,388.37	16.49	16.32	11.77	184.17	38.39	188.39	155.62	32.76	5.750	
7,500.00	7,500.00	7,493.42	7,489.78	16.72	16.51	12.11	188.65	40.48	193.12	159.96	33.17	5.823	
7,600.00	7,600.00	7,595.03	7,591.31	16.94	16.69	12.37	192.31	42.19	197.00	163.43	33.57	5.869	
7,700.00	7,700.00	7,696.70	7,692.93	17.17	16.88	12.57	195.16	43.51	200.02	166.04	33.97	5.888	
7,800.00	7,800.00	7,798.42	7,794.63	17.39	17.06	12.71	197.19	44.46	202.17	167.79	34.38	5.881	
7,900.00	7,900.00	7,900.17	7,896.37	17.62	17.24	12.79	198.40	45.03	203.45	168.67	34.78	5.849	
8,000.00	8,000.00	8,001.91	7,998.10	17.84	17.42	12.81	198.80	45.21	203.87	168.68	35.19	5.793	
8,100.00	8,100.00	8,101.91	8,098.10	18.07	17.62	12.81	198.80	45.21	203.87	168.25	35.62	5.724	
8,200.00	8,200.00	8,201.91	8,198.10	18.29	17.85	12.81	198.80	45.21	203.87	167.81	36.06	5.653	
8,300.00	8,300.00	8,301.91	8,298.10	18.52	18.07	12.81	198.80	45.21	203.87	167.36	36.51	5.583	
8,400.00	8,400.00	8,401.91	8,398.10	18.74	18.29	12.81	198.80	45.21	203.87	166.91	36.96	5.516	
8,500.00	8,500.00	8,501.91	8,498.10	18.96	18.52	12.81	198.80	45.21	203.87	166.46	37.41	5.450	
8,600.00	8,600.00	8,601.91	8,598.10	19.19	18.74	12.81	198.80	45.21	203.87	166.01	37.86	5.385	
8,700.00	8,700.00	8,701.91	8,698.10	19.41	18.96	12.81	198.80	45.21	203.87	165.56	38.31	5.322	
8,800.00	8,800.00	8,801.91	8,798.10	19.64	19.18	12.81	198.80	45.21	203.87	165.12	38.76	5.260	
8,900.00	8,900.00	8,901.91	8,898.10	19.86	19.41	12.81	198.80	45.21	203.87	164.67	39.20	5.200	
9,000.00	9,000.00	9,001.91	8,998.10	20.09	19.63	12.81	198.80	45.21	203.87	164.22	39.65	5.141	
9,100.00	9,100.00	9,101.91	9,098.10	20.31	19.85	12.81	198.80	45.21	203.87	163.77	40.10	5.084	
9,200.00	9,200.00	9,201.91	9,198.10	20.54	20.08	12.81	198.80	45.21	203.87	163.32	40.55	5.028	
9,300.00	9,300.00	9,301.91	9,298.10	20.76	20.30	12.81	198.80	45.21	203.87	162.87	41.00	4.973	
9,349.52	9,349.52	9,351.42	9,347.62	20.87	20.41	12.81	198.80	45.21	203.87	162.65	41.22	4.946	
9,400.00	9,400.00	9,392.52	9,388.70	20.99	20.50	12.77	199.37	45.20	204.65	163.22	41.43	4.940	
9,500.00	9,500.00	9,463.85	9,459.51	21.21	20.67	12.27	207.60	45.14	215.93	174.11	41.81	5.164	
9,600.00	9,600.00	9,531.74	9,525.25	21.44	20.84	11.34	224.34	45.00	240.12	197.93	42.19	5.691	
9,700.00	9,700.00	9,600.00	9,588.59	21.66	21.02	10.17	249.64	44.79	276.25	233.68	42.57	6.489	
9,800.00	9,800.00	9,650.00	9,632.61	21.89	21.16	9.27	273.31	44.59	322.61	279.71	42.90	7.520	
9,900.00	9,900.00	9,700.00	9,674.15	22.11	21.32	8.38	301.10	44.36	377.86	334.64	43.23	8.741	
9,924.13	9,924.13	9,711.65	9,683.44	22.17	21.36	8.18	308.14	44.30	392.34	349.04	43.30	9.060	
9,950.00	9,949.99	9,723.36	9,692.61	22.22	21.40	7.83	315.42	44.24	407.82	364.46	43.35	9.407	
10,000.00	9,999.73	9,750.00	9,712.84	22.34	21.49	7.01	332.74	44.10	436.16	392.92	43.25	10.085	
10,050.00	10,048.78	9,768.99	9,728.72	22.45	21.56	6.43	345.71	43.99	462.30	419.44	42.86	10.786	
10,100.00	10,096.68	9,800.00	9,748.32	22.56	21.68	5.88	367.94	43.81	486.37	444.14	42.24	11.515	
10,150.00	10,142.99	9,815.05	9,758.32	22.67	21.75	5.53	379.19	43.71	507.91	466.58	41.34	12.287	
10,200.00	10,187.28	9,850.00	9,780.27	22.77	21.90	5.15	406.38	43.49	527.51	487.26	40.24	13.108	
10,250.00	10,229.15	9,850.00	9,780.27	22.87	21.90	4.97	406.38	43.49	544.43	505.54	38.89	13.998	
10,300.00	10,268.22	9,884.68	9,800.18	22.99	22.06	4.72	434.76	43.25	558.71	521.27	37.44	14.924	
10,350.00	10,304.11	9,900.00	9,808.38	23.13	22.14	4.56	447.71	43.15	570.89	535.06	35.83	15.935	
10,400.00	10,336.51	9,931.32	9,823.92	23.28	22.31	4.41	474.90	42.92	580.34	546.17	34.17	16.985	
10,450.00	10,365.11	9,950.00	9,832.40	23.45	22.41	4.32	491.54	42.78	587.44	554.96	32.48	18.086	
10,500.00	10,389.65	9,978.07	9,844.00	23.65	22.57	4.25	517.09	42.57	591.93	561.06	30.87	19.177	
10,550.00	10,409.90	10,000.00	9,852.10	23.86	22.70	4.22	537.47	42.40	593.92	564.53	29.38	20.212	
10,600.00	10,425.68	10,024.86	9,860.24	24.11	22.86	4.21	560.96	42.21	593.35	565.22	28.13	21.090	
10,650.00	10,436.84	10,050.00	9,867.32	24.38	23.03	4.23	585.07	42.01	590.25	563.05	27.20	21.699	
10,700.00	10,443.28	10,071.63	9,872.47	24.67	23.18	4.29	606.08	41.83	584.60	557.94	26.66	21.932	
10,744.07	10,445.00	10,100.00	9,877.90	24.95	23.38	4.36	633.92	41.60	577.64	551.09	26.56	21.753	
10,800.00	10,444.81	10,118.55	9,880.63	25.33	23.52	4.38	652.27	41.45	568.71	542.02	26.68	21.312	
10,900.00	10,444.47	10,166.46	9,884.63	26.10	23.88	4.38	699.99	41.05	559.98	533.01	26.97	20.762	
10,966.01	10,444.25	10,210.23	9,884.96	26.67	24.24	4.36	743.75	40.69	559.01	531.80	27.21	20.545	
11,000.00	10,444.13	10,244.22	9,884.89	26.96	24.54	4.34	777.74	40.41	558.95	531.59	27.36	20.429	
11,100.00	10,443.80	10,344.22	9,884.68	27.92	25.46	4.28	877.74	39.58	558.78	530.92	27.85	20.061	
11,200.00	10,443.46	10,444.22	9,884.47	28.97	26.47	4.22	977.73	38.75	558.60	530.19	28.42	19.658	
11,300.00	10,443.12	10,544.22	9,884.26	30.09	27.57	4.16	1,077.73	37.92	558.43	529.39	29.04	19.228	

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 41H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	41H	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													Offset Site Error:
Green Wave 20-17 Fed - 21H - OH - Plan #1													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	
11,400.00	10,442.78	10,844.21	9,884.05	31.27	28.74	4.10	1,177.72	37.09	558.28	528.53	29.73	18.777	
11,500.00	10,442.44	10,744.21	9,883.84	32.52	29.98	4.04	1,277.72	36.26	558.09	527.61	30.47	18.313	
11,600.00	10,442.11	10,844.21	9,883.84	33.82	31.27	3.98	1,377.71	35.43	557.92	526.65	31.27	17.842	
11,700.00	10,441.77	10,944.21	9,883.43	35.16	32.62	3.92	1,477.71	34.60	557.75	525.63	32.11	17.368	
11,800.00	10,441.43	11,044.21	9,883.22	36.55	34.01	3.86	1,577.70	33.77	557.58	524.58	33.00	16.896	
11,900.00	10,441.09	11,144.20	9,883.01	37.97	35.44	3.80	1,677.70	32.94	557.41	523.48	33.93	16.428	
12,000.00	10,440.76	11,244.20	9,882.80	39.43	36.91	3.74	1,777.69	32.12	557.24	522.35	34.90	15.969	
12,100.00	10,440.42	11,344.20	9,882.59	40.91	38.40	3.68	1,877.68	31.29	557.07	521.18	35.90	15.519	
12,200.00	10,440.08	11,444.20	9,882.39	42.43	39.93	3.62	1,977.68	30.46	556.91	519.98	36.93	15.082	
12,300.00	10,439.74	11,544.20	9,882.18	43.96	41.48	3.56	2,077.67	29.63	556.74	518.75	37.99	14.657	
12,400.00	10,439.40	11,644.20	9,881.97	45.52	43.05	3.50	2,177.67	28.80	556.57	517.50	39.07	14.245	
12,500.00	10,439.07	11,744.19	9,881.76	47.10	44.64	3.44	2,277.66	27.97	556.41	516.23	40.18	13.848	
12,600.00	10,438.73	11,844.19	9,881.55	48.70	46.25	3.38	2,377.66	27.14	556.25	514.93	41.31	13.464	
12,700.00	10,438.39	11,944.19	9,881.34	50.31	47.87	3.32	2,477.65	26.31	556.08	513.62	42.46	13.095	
12,800.00	10,438.05	12,044.19	9,881.14	51.93	49.51	3.26	2,577.65	25.48	555.92	512.28	43.63	12.740	
12,900.00	10,437.72	12,144.19	9,880.93	53.57	51.16	3.20	2,677.64	24.65	555.76	510.93	44.82	12.399	
13,000.00	10,437.38	12,244.18	9,880.72	55.22	52.82	3.14	2,777.63	23.82	555.59	509.57	46.02	12.072	
13,100.00	10,437.04	12,344.18	9,880.51	56.88	54.50	3.08	2,877.63	22.99	555.43	508.19	47.24	11.757	
13,200.00	10,436.70	12,444.18	9,880.30	58.55	56.18	3.02	2,977.62	22.16	555.27	506.80	48.47	11.456	
13,300.00	10,436.36	12,544.18	9,880.09	60.23	57.87	2.96	3,077.62	21.34	555.11	505.40	49.71	11.166	
13,400.00	10,436.03	12,644.18	9,879.89	61.92	59.57	2.90	3,177.61	20.51	554.95	503.98	50.97	10.888	
13,500.00	10,435.69	12,744.18	9,879.68	63.61	61.28	2.84	3,277.61	19.68	554.79	502.56	52.23	10.622	
13,600.00	10,435.35	12,844.17	9,879.47	65.31	62.99	2.78	3,377.60	18.85	554.63	501.13	53.51	10.366	
13,700.00	10,435.01	12,944.17	9,879.26	67.02	64.71	2.72	3,477.60	18.02	554.48	499.69	54.79	10.120	
13,800.00	10,434.68	13,044.17	9,879.05	68.74	66.44	2.66	3,577.59	17.19	554.32	498.24	56.08	9.884	
13,900.00	10,434.34	13,144.17	9,878.84	70.46	68.17	2.60	3,677.59	16.36	554.16	496.78	57.38	9.658	
14,000.00	10,434.00	13,244.17	9,878.64	72.18	69.91	2.54	3,777.58	15.53	554.01	495.32	58.69	9.440	
14,100.00	10,433.66	13,344.16	9,878.43	73.91	71.65	2.48	3,877.57	14.70	553.85	493.85	60.00	9.231	
14,200.00	10,433.32	13,444.16	9,878.22	75.65	73.39	2.42	3,977.57	13.87	553.70	492.38	61.32	9.030	
14,300.00	10,432.99	13,544.16	9,878.01	77.39	75.14	2.35	4,077.56	13.04	553.54	490.90	62.64	8.836	
14,400.00	10,432.65	13,644.16	9,877.80	79.13	76.90	2.29	4,177.56	12.21	553.39	489.42	63.98	8.650	
14,500.00	10,432.31	13,744.16	9,877.59	80.88	78.65	2.23	4,277.55	11.38	553.24	487.93	65.31	8.471	
14,600.00	10,431.97	13,844.16	9,877.39	82.63	80.41	2.17	4,377.55	10.55	553.09	486.43	66.65	8.298	
14,700.00	10,431.64	13,944.15	9,877.18	84.38	82.17	2.11	4,477.54	9.73	552.93	484.94	68.00	8.132	
14,800.00	10,431.30	14,044.15	9,876.97	86.14	83.94	2.05	4,577.54	8.90	552.78	483.44	69.35	7.971	
14,900.00	10,430.96	14,144.15	9,876.76	87.90	85.71	1.99	4,677.53	8.07	552.63	481.93	70.70	7.816	
15,000.00	10,430.62	14,244.15	9,876.55	89.66	87.48	1.93	4,777.53	7.24	552.48	480.42	72.06	7.667	
15,100.00	10,430.28	14,344.15	9,876.34	91.42	89.25	1.87	4,877.52	6.41	552.33	478.91	73.42	7.523	
15,200.00	10,429.95	14,444.14	9,876.14	93.19	91.02	1.81	4,977.51	5.58	552.19	477.40	74.79	7.383	
15,300.00	10,429.61	14,544.14	9,875.93	94.96	92.80	1.75	5,077.51	4.75	552.04	475.88	76.16	7.249	
15,400.00	10,429.27	14,644.14	9,875.72	96.73	94.58	1.69	5,177.50	3.92	551.89	474.36	77.53	7.119	
15,500.00	10,428.93	14,744.14	9,875.51	98.50	96.36	1.63	5,277.50	3.09	551.74	472.84	78.90	6.993	
15,600.00	10,428.60	14,844.14	9,875.30	100.28	98.14	1.56	5,377.49	2.26	551.60	471.32	80.28	6.871	
15,700.00	10,428.26	14,944.13	9,875.10	102.06	99.93	1.50	5,477.49	1.43	551.45	469.79	81.66	6.753	
15,800.00	10,427.92	15,044.13	9,874.89	103.84	101.71	1.44	5,577.48	0.60	551.31	468.27	83.04	6.639	
15,900.00	10,427.58	15,144.13	9,874.68	105.62	103.50	1.38	5,677.48	-0.23	551.17	466.74	84.43	6.528	
16,000.00	10,427.24	15,244.13	9,874.47	107.40	105.29	1.32	5,777.47	-1.06	551.02	465.20	85.82	6.421	
16,100.00	10,426.91	15,344.13	9,874.26	109.18	107.08	1.26	5,877.46	-1.88	550.88	463.67	87.21	6.317	
16,200.00	10,426.57	15,444.13	9,874.05	110.97	108.87	1.20	5,977.46	-2.71	550.74	462.14	88.60	6.216	
16,300.00	10,426.23	15,544.12	9,873.85	112.75	110.66	1.14	6,077.45	-3.54	550.60	460.60	90.00	6.118	
16,400.00	10,425.89	15,644.12	9,873.64	114.54	112.45	1.07	6,177.45	-4.37	550.45	459.06	91.39	6.023	
16,500.00	10,425.56	15,744.12	9,873.43	116.33	114.25	1.01	6,277.44	-5.20	550.31	457.52	92.79	5.931	

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 41H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	41H	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													Offset Site Error	
Green Wave 20-17 Fed - 21H - OH - Plan #1													0.00 usft	
Survey Program													0-LEAM MWD-ADJ	
Reference													Offset Well Error	
Offset													0.00 usft	
Semi Major Axis														
Distance														
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	Warning	
16,800.00	10,425.22	15,844.12	9,873.22	118.12	116.04	0.95	6,377.44	-6.03	550.17	455.98	94.19	5.841		
16,700.00	10,424.88	15,944.12	9,873.01	119.91	117.84	0.89	6,477.43	-6.86	550.04	454.44	95.60	5.754		
16,800.00	10,424.54	16,044.11	9,872.80	121.70	119.64	0.83	6,577.43	-7.69	549.90	452.89	97.00	5.669		
16,900.00	10,424.20	16,144.11	9,872.60	123.49	121.44	0.77	6,677.42	-8.52	549.76	451.35	98.41	5.586		
17,000.00	10,423.87	16,244.11	9,872.39	125.29	123.24	0.71	6,777.42	-9.35	549.62	449.80	99.82	5.506		
17,100.00	10,423.53	16,344.11	9,872.18	127.08	125.04	0.64	6,877.41	-10.18	549.49	448.26	101.23	5.428		
17,200.00	10,423.19	16,444.11	9,871.97	128.88	126.84	0.58	6,977.40	-11.01	549.35	446.71	102.64	5.352		
17,300.00	10,422.85	16,544.11	9,871.76	130.67	128.64	0.52	7,077.40	-11.84	549.22	445.16	104.06	5.278		
17,400.00	10,422.52	16,644.10	9,871.55	132.47	130.44	0.46	7,177.39	-12.66	549.08	443.61	105.47	5.206		
17,500.00	10,422.18	16,744.10	9,871.35	134.27	132.24	0.40	7,277.39	-13.49	548.95	442.06	106.89	5.136		
17,600.00	10,421.84	16,844.10	9,871.14	136.07	134.05	0.34	7,377.38	-14.32	548.81	440.50	108.31	5.067		
17,700.00	10,421.50	16,944.10	9,870.93	137.87	135.85	0.28	7,477.38	-15.15	548.68	438.95	109.73	5.000		
17,800.00	10,421.16	17,044.10	9,870.72	139.67	137.66	0.21	7,577.37	-15.98	548.55	437.39	111.16	4.935		
17,900.00	10,420.83	17,144.09	9,870.51	141.47	139.46	0.15	7,677.37	-16.81	548.42	435.84	112.58	4.871		
18,000.00	10,420.49	17,244.09	9,870.30	143.27	141.27	0.09	7,777.36	-17.64	548.29	434.28	114.01	4.809		
18,100.00	10,420.15	17,344.09	9,870.10	145.07	143.07	0.03	7,877.36	-18.47	548.16	432.72	115.43	4.749		
18,144.72	10,420.00	17,388.81	9,870.00	145.88	143.88	0.00	7,922.07	-18.84	548.10	432.03	116.07	4.722		
18,145.59	10,420.00	17,389.68	9,870.00	145.89	143.90	0.00	7,922.94	-18.85	548.10	432.02	116.08	4.722		

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 41H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	41H	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 Green Wave 20-17 Fed - 31H - OH - Plan #1													Offset Site Error:
Survey Program: 0-LEAM.MWD.ADJ													Offset Well Error:
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	
0.00	0.00	0.00	0.00	0.00	0.00	-0.46	50.02	-0.40	50.03				
100.00	100.00	99.20	99.20	0.08	0.08	-0.46	50.02	-0.40	50.02	49.85	0.17	297.924	
200.00	200.00	199.20	199.20	0.31	0.31	-0.46	50.02	-0.40	50.02	49.41	0.62	81.163	
300.00	300.00	299.20	299.20	0.53	0.53	-0.46	50.02	-0.40	50.02	48.96	1.07	46.932	
400.00	400.00	399.20	399.20	0.76	0.76	-0.46	50.02	-0.40	50.02	48.51	1.52	33.009	
500.00	500.00	499.20	499.20	0.98	0.98	-0.46	50.02	-0.40	50.02	48.06	1.96	25.458	
600.00	600.00	599.20	599.20	1.21	1.21	-0.46	50.02	-0.40	50.02	47.61	2.41	20.718	
700.00	700.00	699.20	699.20	1.43	1.43	-0.46	50.02	-0.40	50.02	47.16	2.86	17.466	
800.00	800.00	799.20	799.20	1.66	1.66	-0.46	50.02	-0.40	50.02	46.71	3.31	15.096	
900.00	900.00	899.20	899.20	1.88	1.88	-0.46	50.02	-0.40	50.02	46.26	3.76	13.293	
1,000.00	1,000.00	999.20	999.20	2.11	2.11	-0.46	50.02	-0.40	50.02	45.81	4.21	11.874	
1,100.00	1,100.00	1,099.20	1,099.20	2.33	2.33	-0.46	50.02	-0.40	50.02	45.36	4.66	10.729	
1,200.00	1,200.00	1,199.20	1,199.20	2.56	2.55	-0.46	50.02	-0.40	50.02	44.91	5.11	9.786	
1,300.00	1,300.00	1,299.20	1,299.20	2.78	2.78	-0.46	50.02	-0.40	50.02	44.46	5.56	8.995	
1,400.00	1,400.00	1,399.20	1,399.20	3.01	3.00	-0.46	50.02	-0.40	50.02	44.01	6.01	8.322	
1,500.00	1,500.00	1,499.20	1,499.20	3.23	3.23	-0.46	50.02	-0.40	50.02	43.56	6.46	7.743	
1,600.00	1,600.00	1,599.20	1,599.20	3.46	3.45	-0.46	50.02	-0.40	50.02	43.11	6.91	7.239	
1,700.00	1,700.00	1,699.20	1,699.20	3.68	3.68	-0.46	50.02	-0.40	50.02	42.66	7.36	6.797	
1,800.00	1,800.00	1,799.20	1,799.20	3.91	3.90	-0.46	50.02	-0.40	50.02	42.21	7.81	6.406	
1,900.00	1,900.00	1,899.20	1,899.20	4.13	4.13	-0.46	50.02	-0.40	50.02	41.76	8.26	6.057	
2,000.00	2,000.00	1,999.20	1,999.20	4.35	4.35	-0.46	50.02	-0.40	50.02	41.31	8.71	5.744	
2,100.00	2,100.00	2,099.20	2,099.20	4.58	4.58	-0.46	50.02	-0.40	50.02	40.86	9.16	5.462	
2,200.00	2,200.00	2,199.20	2,199.20	4.80	4.80	-0.46	50.02	-0.40	50.02	40.41	9.61	5.207	
2,300.00	2,300.00	2,299.20	2,299.20	5.03	5.03	-0.46	50.02	-0.40	50.02	39.97	10.06	4.974	
2,400.00	2,400.00	2,399.20	2,399.20	5.25	5.25	-0.46	50.02	-0.40	50.02	39.52	10.51	4.761	
2,500.00	2,500.00	2,499.20	2,499.20	5.48	5.48	-0.46	50.02	-0.40	50.02	39.07	10.96	4.566	
2,600.00	2,600.00	2,599.20	2,599.20	5.70	5.70	-0.46	50.02	-0.40	50.02	38.62	11.41	4.386	
2,700.00	2,700.00	2,699.20	2,699.20	5.93	5.93	-0.46	50.02	-0.40	50.02	38.17	11.85	4.220	
2,800.00	2,800.00	2,799.20	2,799.20	6.15	6.15	-0.46	50.02	-0.40	50.02	37.72	12.30	4.065	
2,900.00	2,900.00	2,899.20	2,899.20	6.38	6.38	-0.46	50.02	-0.40	50.02	37.27	12.75	3.922	
3,000.00	3,000.00	2,999.20	2,999.20	6.60	6.60	-0.46	50.02	-0.40	50.02	36.82	13.20	3.789	
3,100.00	3,100.00	3,099.20	3,099.20	6.83	6.83	-0.46	50.02	-0.40	50.02	36.37	13.65	3.664	
3,200.00	3,200.00	3,199.20	3,199.20	7.05	7.05	-0.46	50.02	-0.40	50.02	35.92	14.10	3.547	
3,300.00	3,300.00	3,299.20	3,299.20	7.28	7.28	-0.46	50.02	-0.40	50.02	35.47	14.55	3.437	
3,400.00	3,400.00	3,399.20	3,399.20	7.50	7.50	-0.46	50.02	-0.40	50.02	35.02	15.00	3.334	
3,500.00	3,500.00	3,499.20	3,499.20	7.73	7.72	-0.46	50.02	-0.40	50.02	34.57	15.45	3.237	
3,600.00	3,600.00	3,599.20	3,599.20	7.95	7.95	-0.46	50.02	-0.40	50.02	34.12	15.90	3.146	
3,700.00	3,700.00	3,699.20	3,699.20	8.18	8.17	-0.46	50.02	-0.40	50.02	33.67	16.35	3.059	
3,800.00	3,800.00	3,799.20	3,799.20	8.40	8.40	-0.46	50.02	-0.40	50.02	33.22	16.80	2.978	
3,900.00	3,900.00	3,899.20	3,899.20	8.63	8.62	-0.46	50.02	-0.40	50.02	32.77	17.25	2.900	
4,000.00	4,000.00	3,999.20	3,999.20	8.85	8.85	-0.46	50.02	-0.40	50.02	32.32	17.70	2.826	
4,100.00	4,100.00	4,099.20	4,099.20	9.07	9.07	-0.46	50.02	-0.40	50.02	31.87	18.15	2.756	
4,200.00	4,200.00	4,199.20	4,199.20	9.30	9.30	-0.46	50.02	-0.40	50.02	31.42	18.60	2.690	
4,300.00	4,300.00	4,299.20	4,299.20	9.52	9.52	-0.46	50.02	-0.40	50.02	30.97	19.05	2.626	
4,368.50	4,368.50	4,367.70	4,367.70	9.68	9.67	0.00	50.02	0.00	50.02	30.67	19.35	2.586 CC	
4,400.00	4,400.00	4,399.20	4,399.19	9.75	9.73	0.53	50.02	0.46	50.02	30.54	19.48	2.568	
4,500.00	4,500.00	4,499.13	4,499.09	9.97	9.93	3.50	50.02	3.06	50.11	30.21	19.91	2.518 ES	
4,600.00	4,600.00	4,598.95	4,598.81	10.20	10.13	8.41	50.02	7.40	50.57	30.24	20.33	2.487 SF	
4,700.00	4,700.00	4,698.58	4,698.26	10.42	10.33	15.06	50.02	13.46	51.81	31.05	20.76	2.496	
4,800.00	4,800.00	4,797.98	4,797.35	10.65	10.54	22.99	50.02	21.23	54.37	33.18	21.19	2.566	
4,900.00	4,900.00	4,897.59	4,896.58	10.87	10.75	30.88	50.02	29.91	58.34	36.72	21.62	2.699	
5,000.00	5,000.00	4,997.21	4,995.82	11.10	10.96	37.65	50.02	38.59	63.27	41.22	22.05	2.870	

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 41H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	41H	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: Green Wave 20-17 Fed - 31H - OH - Plan #1													Offset Site Error:
Survey Program: 0-LEAM MWD-ADJ													Offset Well Error:
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	
5,100.00	5,100.00	5,096.83	5,095.06	11.32	11.18	43.38	50.02	47.27	68.95	46.47	22.48	3.067	
5,200.00	5,200.00	5,196.45	5,194.30	11.55	11.39	48.21	50.02	55.96	75.21	52.30	22.91	3.283	
5,300.00	5,300.00	5,296.07	5,293.55	11.77	11.61	52.27	50.02	64.84	81.93	58.59	23.34	3.510	
5,400.00	5,400.00	5,395.69	5,392.79	12.00	11.84	55.70	50.02	73.32	88.99	65.22	23.77	3.744	
5,500.00	5,500.00	5,495.31	5,492.03	12.22	12.06	58.62	50.02	82.00	96.32	72.12	24.20	3.980	
5,600.00	5,600.00	5,594.93	5,591.27	12.45	12.29	61.12	50.02	90.69	103.87	79.23	24.64	4.216	
5,700.00	5,700.00	5,694.54	5,690.51	12.67	12.51	63.28	50.02	99.37	111.59	86.52	25.07	4.451	
5,800.00	5,800.00	5,794.16	5,789.75	12.90	12.74	65.16	50.02	108.05	119.44	93.94	25.50	4.683	
5,900.00	5,900.00	5,893.78	5,888.99	13.12	12.98	66.80	50.02	116.73	127.41	101.47	25.94	4.912	
6,000.00	6,000.00	5,993.40	5,988.23	13.35	13.21	68.26	50.02	125.41	135.47	109.09	26.37	5.137	
6,100.00	6,100.00	6,094.13	6,088.60	13.57	13.43	69.50	50.02	133.81	143.24	116.44	26.80	5.345	
6,200.00	6,200.00	6,195.06	6,189.26	13.80	13.64	70.51	50.02	141.34	150.26	123.03	27.22	5.520	
6,300.00	6,300.00	6,296.13	6,290.10	14.02	13.85	71.32	50.02	147.98	156.47	128.83	27.64	5.661	
6,400.00	6,400.00	6,397.30	6,391.11	14.24	14.06	71.98	50.02	153.75	161.88	133.82	28.06	5.768	
6,500.00	6,500.00	6,498.56	6,492.25	14.47	14.28	72.50	50.02	158.63	166.47	137.98	28.49	5.843	
6,600.00	6,600.00	6,599.91	6,593.52	14.69	14.47	72.90	50.02	162.61	170.23	141.31	28.91	5.888	
6,700.00	6,700.00	6,701.32	6,694.88	14.92	14.67	73.20	50.02	165.70	173.14	143.80	29.34	5.902	
6,800.00	6,800.00	6,802.77	6,796.31	15.14	14.87	73.41	50.02	167.90	175.21	145.45	29.76	5.887	
6,900.00	6,900.00	6,904.25	6,897.79	15.37	15.08	73.53	50.02	169.20	176.44	146.25	30.19	5.844	
7,000.00	7,000.00	7,005.67	6,999.20	15.59	15.27	73.57	50.02	169.80	176.82	146.21	30.61	5.777	
7,100.00	7,100.00	7,105.67	7,099.20	15.82	15.47	73.57	50.02	169.80	176.82	145.78	31.04	5.697	
7,200.00	7,200.00	7,205.67	7,199.20	16.04	15.69	73.57	50.02	169.80	176.82	145.33	31.48	5.616	
7,300.00	7,300.00	7,305.67	7,299.20	16.27	15.91	73.57	50.02	169.80	176.82	144.89	31.93	5.538	
7,400.00	7,400.00	7,405.67	7,399.20	16.49	16.12	73.57	50.02	169.80	176.82	144.44	32.38	5.461	
7,500.00	7,500.00	7,505.67	7,499.20	16.72	16.34	73.57	50.02	169.80	176.82	144.00	32.82	5.387	
7,600.00	7,600.00	7,605.67	7,599.20	16.94	16.56	73.57	50.02	169.80	176.82	143.55	33.27	5.315	
7,700.00	7,700.00	7,705.67	7,699.20	17.17	16.78	73.57	50.02	169.80	176.82	143.10	33.71	5.245	
7,800.00	7,800.00	7,805.67	7,799.20	17.39	17.00	73.57	50.02	169.80	176.82	142.66	34.16	5.176	
7,900.00	7,900.00	7,905.67	7,899.20	17.62	17.22	73.57	50.02	169.80	176.82	142.21	34.61	5.109	
8,000.00	8,000.00	8,005.67	7,999.20	17.84	17.44	73.57	50.02	169.80	176.82	141.76	35.05	5.044	
8,100.00	8,100.00	8,105.67	8,099.20	18.07	17.66	73.57	50.02	169.80	176.82	141.32	35.50	4.981	
8,200.00	8,200.00	8,205.67	8,199.20	18.29	17.88	73.57	50.02	169.80	176.82	140.87	35.95	4.919	
8,300.00	8,300.00	8,305.67	8,299.20	18.52	18.10	73.57	50.02	169.80	176.82	140.42	36.40	4.858	
8,400.00	8,400.00	8,405.67	8,399.20	18.74	18.32	73.57	50.02	169.80	176.82	139.98	36.84	4.799	
8,500.00	8,500.00	8,505.67	8,499.20	18.96	18.54	73.57	50.02	169.80	176.82	139.53	37.29	4.742	
8,600.00	8,600.00	8,605.67	8,599.20	19.19	18.76	73.57	50.02	169.80	176.82	139.08	37.74	4.686	
8,700.00	8,700.00	8,705.67	8,699.20	19.41	18.98	73.57	50.02	169.80	176.82	138.63	38.18	4.631	
8,800.00	8,800.00	8,805.67	8,799.20	19.64	19.20	73.57	50.02	169.80	176.82	138.19	38.63	4.577	
8,900.00	8,900.00	8,905.67	8,899.20	19.86	19.42	73.57	50.02	169.80	176.82	137.74	39.08	4.525	
9,000.00	9,000.00	9,005.67	8,999.20	20.09	19.64	73.57	50.02	169.80	176.82	137.29	39.53	4.473	
9,100.00	9,100.00	9,105.67	9,099.20	20.31	19.87	73.57	50.02	169.80	176.82	136.84	39.97	4.423	
9,200.00	9,200.00	9,205.67	9,199.20	20.54	20.09	73.57	50.02	169.80	176.82	136.40	40.42	4.374	
9,300.00	9,300.00	9,305.67	9,299.20	20.76	20.31	73.57	50.02	169.80	176.82	135.95	40.87	4.327	
9,400.00	9,400.00	9,405.67	9,399.20	20.99	20.53	73.57	50.02	169.80	176.82	135.50	41.32	4.280	
9,500.00	9,500.00	9,505.67	9,499.20	21.21	20.75	73.57	50.02	169.80	176.82	135.05	41.78	4.234	
9,600.00	9,600.00	9,605.67	9,599.20	21.44	20.97	73.57	50.02	169.80	176.82	134.61	42.21	4.189	
9,658.35	9,658.35	9,664.02	9,657.55	21.57	21.10	73.57	50.02	169.80	176.82	134.35	42.47	4.163	
9,700.00	9,700.00	9,704.04	9,697.57	21.66	21.19	73.47	50.34	169.59	176.91	134.26	42.65	4.147	
9,800.00	9,800.00	9,794.33	9,787.08	21.89	21.39	70.09	61.32	169.32	180.49	137.41	43.08	4.190	
9,900.00	9,900.00	9,878.51	9,867.66	22.11	21.57	63.18	85.31	168.75	191.70	148.22	43.48	4.409	
9,924.13	9,924.13	9,900.00	9,887.53	22.17	21.62	60.98	93.50	168.55	196.05	152.46	43.58	4.498	
9,950.00	9,949.99	9,917.43	9,903.39	22.22	21.66	58.87	100.74	168.38	201.17	157.49	43.67	4.606	

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 41H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	41H	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 Green Wave 20-17 Fed - 31H - OH - Plan #1													Offset Site Error:
Survey Program: 0-LEAM MWD-ADJ													Offset Well Error:
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	
10,000.00	9,999.73	9,955.36	9,937.00	22.34	21.74	54.46	118.29	187.96	211.59	167.81	43.78	4.833	
10,050.00	10,048.78	9,992.58	9,968.65	22.45	21.82	50.62	137.84	187.49	222.30	178.57	43.73	5.083	
10,100.00	10,096.68	10,029.18	9,998.34	22.56	21.90	47.30	159.23	166.98	232.97	189.46	43.51	5.355	
10,150.00	10,142.99	10,065.26	10,026.06	22.67	21.98	44.45	182.30	186.43	243.32	200.23	43.09	5.847	
10,200.00	10,187.28	10,100.00	10,051.19	22.77	22.07	42.05	206.28	185.86	253.12	210.64	42.48	5.958	
10,250.00	10,229.15	10,136.11	10,075.55	22.87	22.17	39.94	232.92	165.22	262.20	220.50	41.71	6.287	
10,300.00	10,268.22	10,171.01	10,097.29	22.99	22.27	38.19	260.21	184.56	270.42	229.62	40.79	6.629	
10,350.00	10,304.11	10,200.00	10,113.92	23.13	22.37	36.88	283.94	164.00	277.73	237.94	39.79	6.979	
10,400.00	10,336.51	10,240.02	10,134.66	23.28	22.52	35.54	318.15	163.18	283.80	245.07	38.73	7.328	
10,450.00	10,365.11	10,274.23	10,150.25	23.45	22.66	34.58	348.57	162.45	288.80	251.11	37.69	7.683	
10,500.00	10,389.65	10,308.28	10,163.77	23.65	22.82	33.84	379.82	161.70	292.59	255.86	36.72	7.967	
10,550.00	10,409.90	10,350.00	10,177.49	23.86	23.03	33.22	419.19	160.78	295.27	259.37	35.91	8.223	
10,600.00	10,425.88	10,376.12	10,184.46	24.11	23.17	32.96	444.35	160.16	296.38	261.07	35.31	8.395	
10,650.00	10,436.84	10,409.97	10,191.61	24.38	23.37	32.80	477.42	159.37	296.33	261.36	34.97	8.474	
10,700.00	10,443.28	10,450.00	10,197.26	24.67	23.61	32.82	517.03	158.42	295.07	260.10	34.97	8.438	
10,744.07	10,445.00	10,473.69	10,199.17	24.95	23.77	33.01	540.63	157.85	292.70	257.49	35.21	8.313	
10,800.00	10,444.81	10,512.44	10,199.97	25.33	24.03	32.97	579.36	156.93	290.88	255.33	35.56	8.181	
10,900.00	10,444.47	10,612.41	10,198.75	26.10	24.79	32.52	679.29	154.53	290.46	254.22	36.24	8.014	
11,000.00	10,444.13	10,712.39	10,197.53	26.96	25.66	32.07	779.23	152.14	290.06	253.03	37.03	7.833	
11,100.00	10,443.80	10,812.36	10,196.30	27.92	26.62	31.61	879.17	149.75	289.68	251.76	37.92	7.640	
11,200.00	10,443.46	10,912.33	10,195.08	28.97	27.67	31.16	979.10	147.36	289.31	250.43	38.88	7.441	
11,300.00	10,443.12	11,012.30	10,193.85	30.09	28.80	30.70	1,079.04	144.97	288.97	249.05	39.91	7.240	
11,400.00	10,442.78	11,112.28	10,192.63	31.27	30.00	30.24	1,178.98	142.57	288.64	247.63	41.01	7.039	
11,500.00	10,442.44	11,212.25	10,191.40	32.52	31.26	29.78	1,278.91	140.18	288.33	246.18	42.15	6.841	
11,600.00	10,442.11	11,312.22	10,190.18	33.82	32.58	29.33	1,378.85	137.79	288.04	244.71	43.33	6.647	
11,700.00	10,441.77	11,412.19	10,188.96	35.16	33.94	28.86	1,478.79	135.40	287.76	243.22	44.55	6.460	
11,800.00	10,441.43	11,512.17	10,187.73	36.55	35.34	28.40	1,578.72	133.01	287.51	241.72	45.79	6.279	
11,900.00	10,441.09	11,612.14	10,186.51	37.97	36.79	27.94	1,678.66	130.61	287.27	240.22	47.05	6.106	
12,000.00	10,440.76	11,712.11	10,185.28	39.43	38.26	27.48	1,778.60	128.22	287.06	238.73	48.33	5.940	
12,100.00	10,440.42	11,812.09	10,184.06	40.91	39.77	27.01	1,878.53	125.83	286.86	237.25	49.61	5.782	
12,200.00	10,440.08	11,912.06	10,182.83	42.43	41.30	26.55	1,978.47	123.44	286.68	235.78	50.90	5.632	
12,300.00	10,439.74	12,012.03	10,181.61	43.96	42.86	26.09	2,078.41	121.05	286.52	234.33	52.19	5.490	
12,400.00	10,439.40	12,112.00	10,180.38	45.52	44.43	25.62	2,178.34	118.65	286.38	232.89	53.48	5.354	
12,500.00	10,439.07	12,211.98	10,179.16	47.10	46.03	25.16	2,278.28	116.26	286.26	231.49	54.77	5.226	
12,600.00	10,438.73	12,311.95	10,177.94	48.70	47.64	24.69	2,378.22	113.87	286.15	230.10	56.05	5.105	
12,700.00	10,438.39	12,411.92	10,176.71	50.31	49.27	24.22	2,478.15	111.48	286.07	228.75	57.32	4.990	
12,800.00	10,438.05	12,511.90	10,175.49	51.93	50.91	23.76	2,578.09	109.09	286.00	227.42	58.58	4.882	
12,900.00	10,437.72	12,611.87	10,174.26	53.57	52.57	23.29	2,678.03	106.69	285.96	226.12	59.83	4.779	
13,000.00	10,437.38	12,711.84	10,173.04	55.22	54.23	22.82	2,777.96	104.30	285.93	224.86	61.07	4.682	
13,096.12	10,437.05	12,807.93	10,171.86	56.81	55.84	22.37	2,874.02	102.00	285.92	223.67	62.25	4.593	
13,100.00	10,437.04	12,811.81	10,171.81	58.88	55.91	22.36	2,877.90	101.91	285.92	223.62	62.30	4.590	
13,200.00	10,436.70	12,911.79	10,170.59	58.55	57.60	21.89	2,977.84	99.52	285.93	222.43	63.50	4.503	
13,300.00	10,436.36	13,011.76	10,169.37	60.23	59.29	21.42	3,077.77	97.13	285.96	221.26	64.70	4.420	
13,400.00	10,436.03	13,111.73	10,168.14	61.92	60.99	20.96	3,177.71	94.73	286.01	220.13	65.88	4.341	
13,500.00	10,435.69	13,211.71	10,166.92	63.61	62.70	20.49	3,277.65	92.34	286.07	219.03	67.04	4.267	
13,600.00	10,435.35	13,311.68	10,165.69	65.31	64.42	20.02	3,377.58	89.95	286.16	217.97	68.19	4.197	
13,700.00	10,435.01	13,411.65	10,164.47	67.02	66.14	19.56	3,477.52	87.56	286.27	216.94	69.32	4.129	
13,800.00	10,434.68	13,511.62	10,163.24	68.74	67.87	19.09	3,577.46	85.17	286.39	215.95	70.44	4.066	
13,900.00	10,434.34	13,611.60	10,162.02	70.46	69.61	18.63	3,677.39	82.77	286.53	214.99	71.54	4.005	
14,000.00	10,434.00	13,711.57	10,160.79	72.18	71.35	18.16	3,777.33	80.38	286.69	214.06	72.63	3.947	
14,100.00	10,433.66	13,811.54	10,159.57	73.91	73.09	17.70	3,877.27	77.99	286.87	213.17	73.70	3.892	
14,200.00	10,433.32	13,911.52	10,158.35	75.65	74.84	17.24	3,977.20	75.60	287.07	212.31	74.76	3.840	

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

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 41H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	41H	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 Green Wave 20-17 Fed - 31H - 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	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre	Between	Between	Minimum	Separation	Factor		
Depth	Depth	Depth	Depth	Depth	Depth	Toolface	+N-S	+E-W	Centres	Ellipses	Separation	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
14,300.00	10,432.99	14,011.49	10,157.12	77.39	76.59	16.77	4,077.14	73.21	287.29	211.48	75.81	3.790		
14,400.00	10,432.65	14,111.46	10,155.90	79.13	78.34	16.31	4,177.08	70.81	287.53	210.69	76.84	3.742		
14,500.00	10,432.31	14,211.43	10,154.67	80.88	80.10	15.85	4,277.02	68.42	287.78	209.92	77.86	3.696		
14,600.00	10,431.97	14,311.41	10,153.45	82.63	81.87	15.39	4,376.95	66.03	288.06	209.18	78.88	3.652		
14,700.00	10,431.64	14,411.38	10,152.22	84.38	83.63	14.93	4,476.89	63.64	288.35	208.47	79.88	3.610		
14,800.00	10,431.30	14,511.35	10,151.00	86.14	85.40	14.47	4,576.83	61.25	288.66	207.79	80.87	3.569		
14,900.00	10,430.96	14,611.33	10,149.77	87.90	87.17	14.01	4,676.76	58.85	288.99	207.14	81.86	3.530		
15,000.00	10,430.62	14,711.30	10,148.55	89.66	88.94	13.56	4,776.70	56.46	289.34	206.51	82.84	3.493		
15,100.00	10,430.28	14,811.27	10,147.33	91.42	90.72	13.10	4,876.64	54.07	289.71	205.90	83.81	3.457		
15,200.00	10,429.95	14,911.24	10,146.10	93.19	92.50	12.65	4,976.57	51.68	290.09	205.32	84.78	3.422		
15,300.00	10,429.61	15,011.22	10,144.88	94.96	94.28	12.19	5,076.51	49.29	290.50	204.75	85.74	3.388		
15,400.00	10,429.27	15,111.19	10,143.65	96.73	96.06	11.74	5,176.45	46.89	290.92	204.21	86.71	3.355		
15,500.00	10,428.93	15,211.16	10,142.43	98.50	97.84	11.29	5,276.38	44.50	291.36	203.69	87.67	3.323		
15,600.00	10,428.60	15,311.14	10,141.20	100.28	99.63	10.84	5,376.32	42.11	291.81	203.18	88.63	3.292		
15,700.00	10,428.26	15,411.11	10,139.98	102.06	101.41	10.40	5,476.26	39.72	292.29	202.69	89.60	3.262		
15,800.00	10,427.92	15,511.08	10,138.76	103.84	103.20	9.95	5,576.19	37.33	292.78	202.21	90.56	3.233		
15,900.00	10,427.58	15,611.05	10,137.53	105.62	104.99	9.51	5,676.13	34.93	293.29	201.75	91.54	3.204		
16,000.00	10,427.24	15,711.03	10,136.31	107.40	106.78	9.06	5,776.07	32.54	293.82	201.30	92.52	3.176		
16,100.00	10,426.91	15,811.00	10,135.08	109.18	108.58	8.62	5,876.00	30.15	294.36	200.86	93.50	3.148		
16,200.00	10,426.57	15,910.97	10,133.86	110.97	110.37	8.18	5,975.94	27.76	294.93	200.43	94.50	3.121		
16,300.00	10,426.23	16,010.95	10,132.63	112.75	112.17	7.74	6,075.88	25.37	295.51	200.01	95.50	3.094		
16,400.00	10,425.89	16,110.92	10,131.41	114.54	113.96	7.31	6,175.81	22.97	296.10	199.59	96.52	3.068		
16,500.00	10,425.56	16,210.89	10,130.18	116.33	115.76	6.87	6,275.75	20.58	296.72	199.17	97.55	3.042		
16,600.00	10,425.22	16,310.86	10,128.96	118.12	117.56	6.44	6,375.69	18.19	297.35	198.76	98.59	3.016		
16,700.00	10,424.88	16,410.84	10,127.74	119.91	119.36	6.01	6,475.62	15.80	298.00	198.35	99.64	2.991		
16,800.00	10,424.54	16,510.81	10,126.51	121.70	121.16	5.58	6,575.56	13.41	298.66	197.94	100.72	2.965		
16,900.00	10,424.20	16,610.78	10,125.29	123.49	122.96	5.16	6,675.50	11.01	299.34	197.53	101.81	2.940		
17,000.00	10,423.87	16,710.76	10,124.06	125.29	124.77	4.73	6,775.43	8.62	300.04	197.12	102.92	2.915		
17,100.00	10,423.53	16,810.73	10,122.84	127.08	126.57	4.31	6,875.37	6.23	300.76	196.71	104.05	2.890		
17,200.00	10,423.19	16,910.70	10,121.61	128.88	128.37	3.89	6,975.31	3.84	301.49	196.28	105.20	2.866		
17,300.00	10,422.85	17,010.67	10,120.39	130.67	130.18	3.47	7,075.24	1.45	302.24	195.86	106.38	2.841		
17,400.00	10,422.52	17,110.65	10,119.16	132.47	131.99	3.05	7,175.18	-0.95	303.00	195.42	107.58	2.817		
17,500.00	10,422.18	17,210.62	10,117.94	134.27	133.79	2.64	7,275.12	-3.34	303.78	194.98	108.80	2.792		
17,600.00	10,421.84	17,310.59	10,116.72	136.07	135.60	2.22	7,375.05	-5.73	304.57	194.53	110.05	2.768		
17,700.00	10,421.50	17,410.57	10,115.49	137.87	137.41	1.81	7,474.99	-8.12	305.38	194.06	111.32	2.743		
17,800.00	10,421.16	17,510.54	10,114.27	139.67	139.22	1.40	7,574.93	-10.51	306.21	193.59	112.62	2.719		
17,900.00	10,420.83	17,610.51	10,113.04	141.47	141.03	1.00	7,674.86	-12.91	307.05	193.10	113.95	2.695		
18,000.00	10,420.49	17,710.48	10,111.82	143.27	142.84	0.60	7,774.80	-15.30	307.91	192.60	115.31	2.670		
18,100.00	10,420.15	17,810.46	10,110.59	145.07	144.65	0.19	7,874.74	-17.69	308.78	192.09	116.70	2.646		
18,144.72	10,420.00	17,855.16	10,110.05	145.88	145.46	0.02	7,919.42	-18.76	309.18	191.85	117.33	2.635		
18,145.59	10,420.00	17,856.03	10,110.04	145.89	145.47	0.01	7,920.30	-18.78	309.18	191.85	117.33	2.635		

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 41H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	41H	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 3356.7' GL + 25' RKB @ 3381.70usft

Offset Depths are relative to Offset Datum

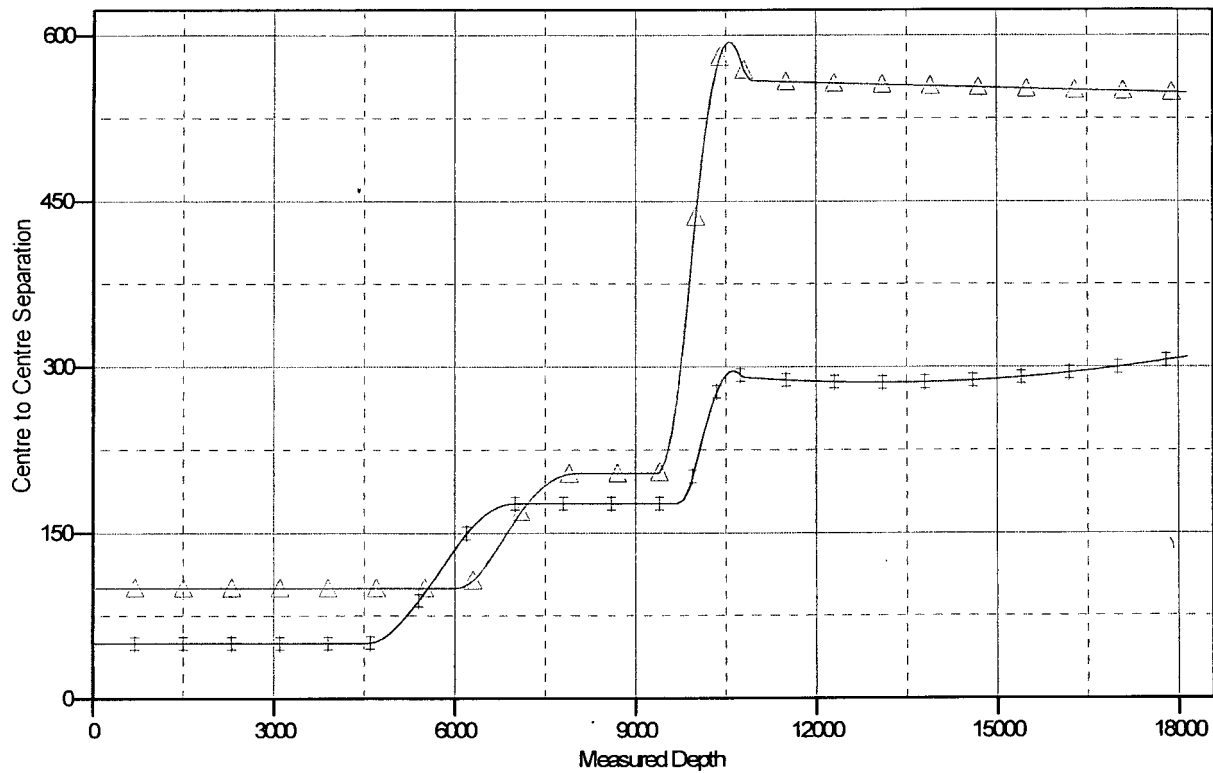
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: 41H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.44°

Ladder Plot



LEGEND

△ 21H, OH, Plan #1 V0 × 31H, OH, Plan #1 V0

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

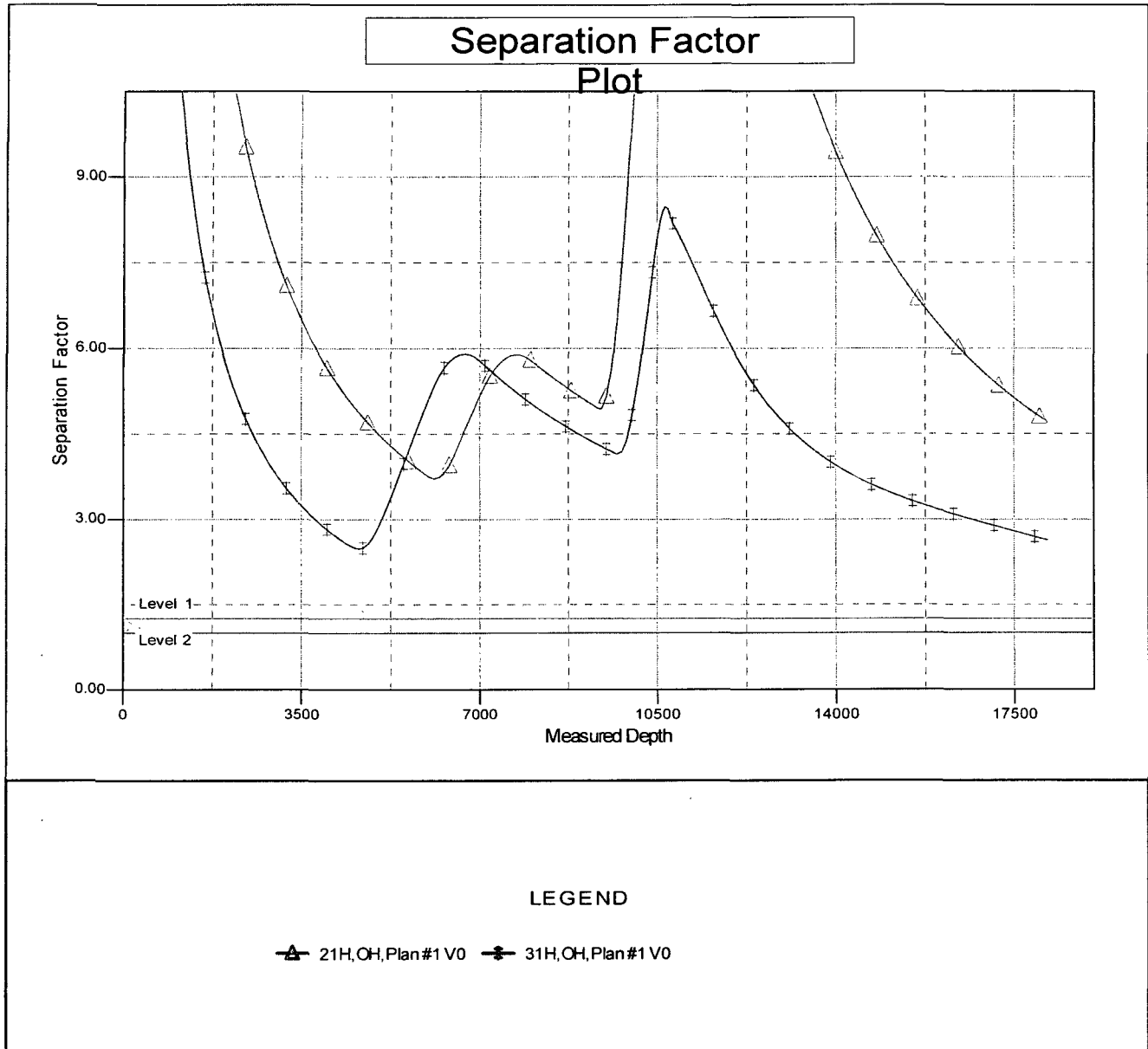
LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 41H:
Project:	Lea County, NM (NAD-83)	TVD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Reference Site:	Green Wave 20-17 Fed.	MD Reference:	3356.7' GL + 25' RKB @ 3381.70usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	41H	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 3356.7' GL + 25' RKB @ 3381.70usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: 41H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.44°



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