

APR 25 2016

RECEIVED

DEVON ENERGY

Lea County, NM (NAD-83)

Green Wave 20-17 Fed

31H

OH

Plan #1

Anticollision Report

08 July, 2015

APR 25 2016

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 31H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	31H	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	17,858.95	Plan #1 (OH)	LEAM MWD-ADJ	MWD - Standard

Summary							
			Reference	Offset	Distance		
Site Name			Measured	Measured	Between	Between	Separation
Offset Well	Wellbore	Design	Depth	Depth	Centres	Ellipses	Factor
			(usft)	(usft)	(usft)	(usft)	
Green Wave 20-17 Fed							
21H - OH - Plan #1			4,300.00	4,298.90	50.00	30.96	2.625 CC
21H - OH - Plan #1			4,500.00	4,498.86	50.16	30.25	2.520 ES
21H - OH - Plan #1			17,859.31	17,389.81	238.90	123.23	2.065 SF
41H - OH - Plan #1			4,367.70	4,368.50	50.02	30.67	2.586 CC
41H - OH - Plan #1			4,500.00	4,500.76	50.12	30.21	2.517 ES
41H - OH - Plan #1			4,600.00	4,600.66	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			Distance					Warning			
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Minimum		Separation		
Depth	Depth	Depth	Depth	Reference	Offset	Toolface	+N-S	+E-W	Centres	Ellipses	Separation	Factor			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)				
0.00	0.00	0.00	0.00	0.00	0.00	-0.52	50.00	-0.45	50.01						
100.00	100.00	98.90	98.90	0.08	0.08	-0.52	50.00	-0.45	50.00	49.83	0.17	298.257			
200.00	200.00	198.90	198.90	0.31	0.31	-0.52	50.00	-0.45	50.00	49.39	0.62	81.220			
300.00	300.00	298.90	298.90	0.53	0.53	-0.52	50.00	-0.45	50.00	48.94	1.07	46.943			
400.00	400.00	398.90	398.90	0.76	0.76	-0.52	50.00	-0.45	50.00	48.49	1.51	33.011			
500.00	500.00	498.90	498.90	0.98	0.98	-0.52	50.00	-0.45	50.00	48.04	1.96	25.456			
600.00	600.00	598.90	598.90	1.21	1.21	-0.52	50.00	-0.45	50.00	47.59	2.41	20.715			
700.00	700.00	698.90	698.90	1.43	1.43	-0.52	50.00	-0.45	50.00	47.14	2.86	17.463			
800.00	800.00	798.90	798.90	1.66	1.66	-0.52	50.00	-0.45	50.00	46.69	3.31	15.093			
900.00	900.00	898.90	898.90	1.88	1.88	-0.52	50.00	-0.45	50.00	46.24	3.76	13.290			
1,000.00	1,000.00	998.90	998.90	2.11	2.10	-0.52	50.00	-0.45	50.00	45.79	4.21	11.872			
1,100.00	1,100.00	1,098.90	1,098.90	2.33	2.33	-0.52	50.00	-0.45	50.00	45.34	4.66	10.727			
1,200.00	1,200.00	1,198.90	1,198.90	2.56	2.55	-0.52	50.00	-0.45	50.00	44.89	5.11	9.783			
1,300.00	1,300.00	1,298.90	1,298.90	2.78	2.78	-0.52	50.00	-0.45	50.00	44.44	5.56	8.992			
1,400.00	1,400.00	1,398.90	1,398.90	3.01	3.00	-0.52	50.00	-0.45	50.00	43.99	6.01	8.320			
1,500.00	1,500.00	1,498.90	1,498.90	3.23	3.23	-0.52	50.00	-0.45	50.00	43.54	6.46	7.741			
1,600.00	1,600.00	1,598.90	1,598.90	3.46	3.45	-0.52	50.00	-0.45	50.00	43.09	6.91	7.237			
1,700.00	1,700.00	1,698.90	1,698.90	3.68	3.68	-0.52	50.00	-0.45	50.00	42.64	7.36	6.795			
1,800.00	1,800.00	1,798.90	1,798.90	3.91	3.90	-0.52	50.00	-0.45	50.00	42.19	7.81	6.404			
1,900.00	1,900.00	1,898.90	1,898.90	4.13	4.13	-0.52	50.00	-0.45	50.00	41.74	8.26	6.055			
2,000.00	2,000.00	1,998.90	1,998.90	4.35	4.35	-0.52	50.00	-0.45	50.00	41.29	8.71	5.743			

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: 31H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Site Error:	0.00 usft	North Reference:	Gnd
Reference Well:	31H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis 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		
2,100.00	2,100.00	2,098.90	2,098.90	4.58	4.58	-0.52	50.00	-0.45	50.00	40.85	9.16	5.461			
2,200.00	2,200.00	2,198.90	2,198.90	4.80	4.80	-0.52	50.00	-0.45	50.00	40.40	9.61	5.205			
2,300.00	2,300.00	2,298.90	2,298.90	5.03	5.03	-0.52	50.00	-0.45	50.00	39.95	10.06	4.972			
2,400.00	2,400.00	2,398.90	2,398.90	5.25	5.25	-0.52	50.00	-0.45	50.00	39.50	10.51	4.760			
2,500.00	2,500.00	2,498.90	2,498.90	5.48	5.48	-0.52	50.00	-0.45	50.00	39.05	10.95	4.564			
2,600.00	2,600.00	2,598.90	2,598.90	5.70	5.70	-0.52	50.00	-0.45	50.00	38.60	11.40	4.384			
2,700.00	2,700.00	2,698.90	2,698.90	5.93	5.93	-0.52	50.00	-0.45	50.00	38.15	11.85	4.218			
2,800.00	2,800.00	2,798.90	2,798.90	6.15	6.15	-0.52	50.00	-0.45	50.00	37.70	12.30	4.064			
2,900.00	2,900.00	2,898.90	2,898.90	6.38	6.38	-0.52	50.00	-0.45	50.00	37.25	12.75	3.921			
3,000.00	3,000.00	2,998.90	2,998.90	6.60	6.60	-0.52	50.00	-0.45	50.00	36.80	13.20	3.787			
3,100.00	3,100.00	3,098.90	3,098.90	6.83	6.82	-0.52	50.00	-0.45	50.00	36.35	13.65	3.663			
3,200.00	3,200.00	3,198.90	3,198.90	7.05	7.05	-0.52	50.00	-0.45	50.00	35.90	14.10	3.546			
3,300.00	3,300.00	3,298.90	3,298.90	7.28	7.27	-0.52	50.00	-0.45	50.00	35.45	14.55	3.436			
3,400.00	3,400.00	3,398.90	3,398.90	7.50	7.50	-0.52	50.00	-0.45	50.00	35.00	15.00	3.333			
3,500.00	3,500.00	3,498.90	3,498.90	7.73	7.72	-0.52	50.00	-0.45	50.00	34.55	15.45	3.236			
3,600.00	3,600.00	3,598.90	3,598.90	7.95	7.95	-0.52	50.00	-0.45	50.00	34.10	15.90	3.145			
3,700.00	3,700.00	3,698.90	3,698.90	8.18	8.17	-0.52	50.00	-0.45	50.00	33.65	16.35	3.058			
3,800.00	3,800.00	3,798.90	3,798.90	8.40	8.40	-0.52	50.00	-0.45	50.00	33.20	16.80	2.977			
3,900.00	3,900.00	3,898.90	3,898.90	8.63	8.62	-0.52	50.00	-0.45	50.00	32.75	17.25	2.899			
4,000.00	4,000.00	3,998.90	3,998.90	8.85	8.85	-0.52	50.00	-0.45	50.00	32.30	17.70	2.825			
4,100.00	4,100.00	4,098.90	4,098.90	9.07	9.07	-0.52	50.00	-0.45	50.00	31.85	18.15	2.755			
4,200.00	4,200.00	4,198.90	4,198.90	9.30	9.30	-0.52	50.00	-0.45	50.00	31.41	18.60	2.689			
4,300.00	4,300.00	4,298.90	4,298.90	9.52	9.52	-0.52	50.00	-0.45	50.00	30.96	19.05	2.625 CC			
4,400.00	4,400.00	4,398.90	4,398.90	9.74	9.75	-91.52	50.00	-0.45	50.02	30.54	19.48	2.567			
4,500.00	4,499.96	4,498.86	4,498.86	9.93	9.97	-94.50	50.00	-0.45	50.16	30.25	19.90	2.520 ES			
4,600.00	4,599.86	4,598.76	4,598.76	10.13	10.20	-99.41	50.00	-0.45	50.68	30.36	20.33	2.493			
4,700.00	4,699.88	4,698.58	4,698.58	10.34	10.42	-106.04	50.00	-0.45	52.03	31.28	20.75	2.507			
4,800.00	4,799.37	4,798.27	4,798.27	10.54	10.64	-113.91	50.00	-0.45	54.73	33.56	21.17	2.585			
4,900.00	4,898.99	4,897.89	4,897.89	10.75	10.87	-121.68	50.00	-0.45	58.81	37.22	21.59	2.724			
5,000.00	4,998.60	4,997.50	4,997.50	10.97	11.09	-128.33	50.00	-0.45	63.83	41.82	22.01	2.900			
5,100.00	5,098.22	5,097.12	5,097.12	11.18	11.32	-133.96	50.00	-0.45	69.59	47.15	22.44	3.102			
5,200.00	5,197.84	5,196.74	5,196.74	11.40	11.54	-138.69	50.00	-0.45	75.91	53.05	22.86	3.321			
5,300.00	5,297.46	5,296.36	5,296.36	11.62	11.76	-142.68	50.00	-0.45	82.67	59.38	23.28	3.550			
5,400.00	5,397.08	5,395.98	5,395.98	11.85	11.99	-146.05	50.00	-0.45	89.76	66.05	23.71	3.786			
5,500.00	5,496.70	5,495.60	5,495.60	12.07	12.21	-148.92	50.00	-0.45	97.12	72.98	24.14	4.024			
5,600.00	5,596.32	5,595.22	5,595.22	12.30	12.44	-151.38	50.00	-0.45	104.69	80.12	24.57	4.262			
5,700.00	5,695.94	5,694.84	5,694.84	12.53	12.66	-153.51	50.00	-0.45	112.42	87.43	25.00	4.498			
5,800.00	5,795.56	5,794.46	5,794.46	12.76	12.88	-155.36	50.00	-0.45	120.29	94.87	25.43	4.731			
5,900.00	5,895.18	5,894.08	5,894.08	12.99	13.11	-156.98	50.00	-0.45	128.27	102.41	25.86	4.960			
6,000.00	5,994.80	5,993.70	5,993.70	13.22	13.33	-158.41	50.00	-0.45	136.34	110.05	26.29	5.185			
6,100.00	6,094.46	6,093.54	6,093.54	13.44	13.55	-159.33	50.69	-0.13	144.01	117.28	26.73	5.387			
6,200.00	6,194.18	6,193.51	6,193.47	13.65	13.78	-159.39	52.96	0.93	150.76	123.60	27.16	5.550			
6,300.00	6,293.97	6,293.52	6,293.39	13.86	14.00	-158.69	56.81	2.73	156.57	128.97	27.59	5.674			
6,400.00	6,393.80	6,393.47	6,393.16	14.06	14.22	-157.31	62.24	5.26	161.51	133.48	28.03	5.762			
6,500.00	6,493.69	6,493.28	6,492.67	14.26	14.44	-155.29	69.23	8.52	165.72	137.26	28.46	5.823			
6,600.00	6,593.61	6,592.96	6,591.97	14.47	14.67	-152.91	77.10	12.19	169.39	140.49	28.90	5.861			
6,700.00	6,693.56	6,692.65	6,691.28	14.67	14.89	-150.49	84.98	15.86	172.58	143.25	29.34	5.883			
6,800.00	6,793.54	6,792.32	6,790.58	14.87	15.12	-148.01	92.85	19.53	175.33	145.56	29.78	5.889			
6,900.00	6,893.53	6,891.98	6,889.86	15.07	15.34	-145.46	100.72	23.20	177.68	147.47	30.21	5.881			
7,000.00	6,993.53	6,991.62	6,989.11	15.26	15.57	-52.81	108.59	26.87	179.69	149.04	30.65	5.862			
7,100.00	7,093.53	7,091.61	7,088.75	15.46	15.78	-50.24	116.16	30.40	181.64	150.57	31.07	5.846			
7,200.00	7,193.53	7,191.77	7,188.63	15.67	15.96	-47.97	122.95	33.57	183.70	152.21	31.49	5.834			

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 31H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	31H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre +N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
7,300.00	7,293.53	7,292.05	7,288.69	15.89	16.14	-46.02		128.96	36.37	185.74	153.85	31.90	5.823		
7,400.00	7,393.53	7,392.44	7,388.92	16.11	16.32	-44.35		134.18	38.80	187.69	155.39	32.30	5.810		
7,500.00	7,493.53	7,492.92	7,489.28	16.33	16.51	-42.97		138.61	40.87	189.46	156.75	32.71	5.792		
7,600.00	7,593.53	7,593.49	7,589.77	16.55	16.69	-41.86		142.24	42.56	190.99	157.88	33.12	5.767		
7,700.00	7,693.53	7,694.11	7,690.34	16.77	16.87	-41.00		145.08	43.88	192.24	158.71	33.52	5.735		
7,800.00	7,793.53	7,794.78	7,790.99	16.99	17.05	-40.39		147.11	44.83	193.16	159.23	33.93	5.693		
7,900.00	7,893.53	7,895.49	7,891.68	17.21	17.23	-40.03		148.34	45.41	193.72	159.39	34.33	5.643		
8,000.00	7,993.53	7,996.21	7,992.40	17.43	17.41	-39.90		148.77	45.61	193.92	159.19	34.73	5.584		
8,100.00	8,093.53	8,096.24	8,092.43	17.65	17.61	-39.90		148.78	45.61	193.92	158.77	35.15	5.517		
8,200.00	8,193.53	8,196.24	8,192.43	17.87	17.83	-39.90		148.78	45.61	193.92	158.33	35.59	5.448		
8,300.00	8,293.53	8,296.24	8,292.43	18.09	18.06	-39.90		148.78	45.61	193.92	157.89	36.04	5.381		
8,400.00	8,393.53	8,396.24	8,392.43	18.31	18.28	-39.90		148.78	45.61	193.92	157.44	36.48	5.316		
8,500.00	8,493.53	8,496.24	8,492.43	18.53	18.50	-39.90		148.78	45.61	193.92	157.00	36.92	5.252		
8,600.00	8,593.53	8,596.24	8,592.43	18.75	18.73	-39.90		148.78	45.61	193.92	156.55	37.37	5.189		
8,700.00	8,693.53	8,696.24	8,692.43	18.97	18.95	-39.90		148.78	45.61	193.92	156.11	37.81	5.128		
8,800.00	8,793.53	8,796.24	8,792.43	19.19	19.17	-39.90		148.78	45.61	193.92	155.66	38.26	5.069		
8,900.00	8,893.53	8,896.24	8,892.43	19.41	19.39	-39.90		148.78	45.61	193.92	155.22	38.70	5.011		
9,000.00	8,993.53	8,996.24	8,992.43	19.63	19.62	-39.90		148.78	45.61	193.92	154.77	39.15	4.954		
9,100.00	9,093.53	9,096.24	9,092.43	19.85	19.84	-39.90		148.78	45.61	193.92	154.33	39.59	4.898		
9,200.00	9,193.53	9,196.24	9,192.43	20.07	20.06	-39.90		148.78	45.61	193.92	153.88	40.04	4.844		
9,300.00	9,293.53	9,296.24	9,292.43	20.30	20.29	-39.90		148.78	45.61	193.92	153.44	40.48	4.790		
9,353.52	9,347.05	9,349.76	9,345.95	20.41	20.41	-39.90		148.78	45.61	193.92	153.20	40.72	4.762		
9,400.00	9,393.53	9,396.90	9,393.09	20.52	20.50	-39.81		149.24	45.61	194.38	153.47	40.91	4.751		
9,500.00	9,493.53	9,496.39	9,492.00	20.74	20.68	-38.22		158.05	45.53	203.46	162.14	41.32	4.924		
9,600.00	9,593.53	9,596.84	9,593.98	20.96	20.86	-35.21		176.56	45.38	224.40	182.68	41.72	5.378		
9,685.64	9,679.17	9,680.00	9,688.59	21.15	21.02	-32.01		199.62	45.19	251.85	209.79	42.07	5.987		
9,700.00	9,693.53	9,696.00	9,688.59	21.18	21.02	-30.33		199.62	45.19	257.15	215.06	42.09	6.110		
9,750.00	9,743.37	9,736.67	9,721.10	21.29	21.12	-27.62		216.57	45.05	274.72	232.59	42.12	6.522		
9,800.00	9,792.61	9,787.92	9,774.80	21.40	21.22	-25.62		232.79	44.91	291.12	249.21	41.92	6.945		
9,850.00	9,840.82	9,836.00	9,824.15	21.51	21.32	-23.95		251.08	44.76	306.16	264.68	41.48	7.381		
9,900.00	9,887.53	9,884.63	9,874.45	21.62	21.42	-22.62		269.38	44.61	319.70	278.89	40.81	7.833		
9,950.00	9,932.33	9,926.18	9,914.34	21.73	21.53	-21.52		289.61	44.44	331.67	291.74	39.93	8.306		
10,000.00	9,974.79	9,968.00	9,956.32	21.84	21.68	-20.48		317.92	44.21	342.21	303.33	38.88	8.802		
10,050.00	10,014.53	9,998.83	9,987.08	21.95	21.77	-19.90		333.56	44.08	350.63	312.99	37.64	9.316		
10,100.00	10,051.19	9,980.00	9,968.27	22.07	21.90	-19.35		356.36	43.89	357.52	321.22	36.29	9.850		
10,150.00	10,084.42	9,981.05	9,969.19	22.21	22.05	-18.92		381.71	43.68	362.63	327.74	34.88	10.395		
10,200.00	10,113.92	9,911.07	9,814.06	22.37	22.20	-18.63		407.19	43.47	365.93	332.47	33.46	10.936		
10,250.00	10,139.41	9,950.00	9,832.40	22.56	22.41	-18.43		441.52	43.18	367.60	335.49	32.11	11.448		
10,300.00	10,160.67	9,971.04	9,841.22	22.78	22.53	-18.41		460.61	43.02	367.08	336.22	30.86	11.896		
10,350.00	10,177.49	10,000.00	9,852.10	23.03	22.70	-18.48		487.45	42.80	364.91	335.09	29.83	12.235		
10,400.00	10,189.73	10,031.05	9,862.09	23.30	22.90	-18.68		516.84	42.56	360.92	331.84	29.08	12.410		
10,450.00	10,197.28	10,061.13	9,870.08	23.61	23.10	-19.00		545.84	42.32	355.13	326.44	28.68	12.380		
10,500.00	10,200.03	10,100.00	9,877.90	23.94	23.38	-19.52		583.90	42.00	347.73	319.01	28.72	12.108		
10,510.20	10,200.00	10,100.00	9,877.90	24.01	23.38	-19.59		583.90	42.00	345.80	317.08	28.74	12.032		
10,600.00	10,198.90	10,150.00	9,883.75	24.69	23.75	-19.84		633.54	41.59	334.39	305.20	29.19	11.456		
10,700.00	10,197.68	10,231.75	9,884.91	25.54	24.43	-19.76		715.25	40.91	331.16	301.43	29.73	11.140		
10,800.00	10,196.45	10,331.73	9,884.70	26.49	25.34	-19.56		815.23	40.08	329.68	299.31	30.36	10.858		
10,900.00	10,195.23	10,431.71	9,884.49	27.53	26.34	-19.36		915.21	39.25	328.20	297.11	31.08	10.558		
11,000.00	10,194.00	10,531.70	9,884.29	28.66	27.42	-19.16		1,015.19	38.42	326.72	294.84	31.88	10.247		
11,100.00	10,192.78	10,631.68	9,884.08	29.85	28.59	-18.96		1,115.17	37.60	325.25	292.50	32.75	9.931		
11,200.00	10,191.55	10,731.66	9,883.87	31.10	29.82	-18.76		1,215.15	36.77	323.78	290.10	33.68	9.613		
11,300.00	10,190.33	10,831.64	9,883.66	32.41	31.11	-18.55		1,315.13	35.94	322.32	287.65	34.66	9.298		

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 31H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	31H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis (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	Warning
11,400.00	10,189.10	10,931.83	9,883.45	33.77	32.45	-18.35		1,415.10	35.11	320.86	285.18	35.70	8.988	
11,500.00	10,187.88	11,031.81	9,883.25	35.17	33.83	-18.14		1,515.08	34.28	319.41	282.63	36.77	8.686	
11,600.00	10,186.66	11,131.59	9,883.04	36.61	35.26	-17.93		1,615.06	33.45	317.95	280.07	37.88	8.393	
11,700.00	10,185.43	11,231.57	9,882.83	38.08	36.72	-17.71		1,715.04	32.62	316.51	277.48	39.02	8.111	
11,800.00	10,184.21	11,331.56	9,882.62	39.58	38.21	-17.50		1,815.02	31.79	315.07	274.87	40.19	7.839	
11,900.00	10,182.98	11,431.54	9,882.41	41.11	39.73	-17.28		1,915.00	30.96	313.63	272.24	41.39	7.578	
12,000.00	10,181.76	11,531.52	9,882.20	42.67	41.28	-17.07		2,014.98	30.13	312.20	269.60	42.60	7.329	
12,100.00	10,180.53	11,631.50	9,882.00	44.24	42.85	-16.84		2,114.96	29.30	310.77	266.94	43.83	7.091	
12,200.00	10,179.31	11,731.49	9,881.79	45.84	44.44	-16.62		2,214.94	28.47	309.34	264.27	45.07	6.863	
12,300.00	10,178.08	11,831.47	9,881.58	47.45	46.04	-16.40		2,314.92	27.65	307.93	261.60	46.33	6.647	
12,400.00	10,176.86	11,931.45	9,881.37	49.08	47.66	-16.17		2,414.89	26.82	306.51	258.92	47.59	6.441	
12,500.00	10,175.63	12,031.43	9,881.16	50.72	49.30	-15.94		2,514.87	25.99	305.10	256.24	48.86	6.245	
12,600.00	10,174.41	12,131.42	9,880.95	52.37	50.95	-15.71		2,614.85	25.16	303.70	253.57	50.13	6.058	
12,700.00	10,173.18	12,231.40	9,880.75	54.04	52.61	-15.48		2,714.83	24.33	302.30	250.89	51.41	5.880	
12,800.00	10,171.96	12,331.38	9,880.54	55.71	54.28	-15.24		2,814.81	23.50	300.90	248.21	52.69	5.711	
12,900.00	10,170.73	12,431.37	9,880.33	57.40	55.97	-15.00		2,914.79	22.67	299.52	245.54	53.97	5.549	
13,000.00	10,169.51	12,531.35	9,880.12	59.09	57.66	-14.77		3,014.77	21.84	298.13	242.88	55.25	5.396	
13,100.00	10,168.28	12,631.33	9,879.91	60.79	59.35	-14.52		3,114.75	21.01	296.75	240.22	56.53	5.249	
13,200.00	10,167.06	12,731.31	9,879.70	62.50	61.06	-14.28		3,214.73	20.18	295.38	237.57	57.81	5.109	
13,300.00	10,165.83	12,831.30	9,879.50	64.22	62.77	-14.03		3,314.70	19.35	294.01	234.92	59.09	4.976	
13,400.00	10,164.61	12,931.28	9,879.29	65.94	64.49	-13.78		3,414.68	18.52	292.65	232.29	60.36	4.848	
13,500.00	10,163.39	13,031.26	9,879.08	67.67	66.22	-13.53		3,514.66	17.70	291.29	229.66	61.63	4.726	
13,600.00	10,162.16	13,131.24	9,878.87	69.40	67.95	-13.28		3,614.64	16.87	289.94	227.05	62.89	4.610	
13,700.00	10,160.94	13,231.23	9,878.66	71.14	69.68	-13.02		3,714.62	16.04	288.60	224.44	64.15	4.498	
13,800.00	10,159.71	13,331.21	9,878.45	72.89	71.42	-12.77		3,814.60	15.21	287.26	221.85	65.41	4.392	
13,900.00	10,158.49	13,431.19	9,878.25	74.64	73.17	-12.50		3,914.58	14.38	285.92	219.26	66.66	4.289	
14,000.00	10,157.26	13,531.17	9,878.04	76.39	74.92	-12.24		4,014.56	13.55	284.59	216.69	67.90	4.191	
14,100.00	10,156.04	13,631.16	9,877.83	78.14	76.67	-11.98		4,114.54	12.72	283.27	214.13	69.14	4.097	
14,200.00	10,154.81	13,731.14	9,877.62	79.90	78.42	-11.71		4,214.52	11.89	281.96	211.58	70.38	4.006	
14,300.00	10,153.59	13,831.12	9,877.41	81.66	80.18	-11.44		4,314.49	11.06	280.65	209.04	71.60	3.919	
14,400.00	10,152.36	13,931.10	9,877.21	83.43	81.94	-11.16		4,414.47	10.23	279.34	206.52	72.83	3.836	
14,500.00	10,151.14	14,031.09	9,877.00	85.20	83.71	-10.89		4,514.45	9.40	278.05	204.00	74.04	3.755	
14,600.00	10,149.91	14,131.07	9,876.79	86.97	85.47	-10.61		4,614.43	8.58	276.76	201.50	75.26	3.677	
14,700.00	10,148.69	14,231.05	9,876.58	88.74	87.24	-10.33		4,714.41	7.75	275.47	199.01	76.46	3.603	
14,800.00	10,147.46	14,331.03	9,876.37	90.52	89.02	-10.05		4,814.39	6.92	274.20	196.53	77.67	3.530	
14,900.00	10,146.24	14,431.02	9,876.16	92.30	90.79	-9.76		4,914.37	6.09	272.93	194.06	78.87	3.461	
15,000.00	10,145.01	14,531.00	9,875.96	94.08	92.57	-9.47		5,014.35	5.26	271.66	191.60	80.06	3.393	
15,100.00	10,143.79	14,630.98	9,875.75	95.86	94.35	-9.18		5,114.33	4.43	270.41	189.15	81.25	3.328	
15,200.00	10,142.57	14,730.97	9,875.54	97.64	96.13	-8.89		5,214.30	3.60	269.16	186.72	82.44	3.265	
15,300.00	10,141.34	14,830.95	9,875.33	99.43	97.91	-8.59		5,314.28	2.77	267.91	184.29	83.63	3.204	
15,400.00	10,140.12	14,930.93	9,875.12	101.21	99.69	-8.29		5,414.26	1.94	266.68	181.87	84.81	3.144	
15,500.00	10,138.89	15,030.91	9,874.91	103.00	101.48	-7.99		5,514.24	1.11	265.45	179.46	85.99	3.087	
15,600.00	10,137.67	15,130.90	9,874.71	104.79	103.26	-7.68		5,614.22	0.28	264.23	177.06	87.17	3.031	
15,700.00	10,136.44	15,230.88	9,874.50	106.59	105.05	-7.38		5,714.20	-0.55	263.02	174.67	88.35	2.977	
15,800.00	10,135.22	15,330.86	9,874.29	108.38	106.84	-7.06		5,814.18	-1.37	261.81	172.28	89.53	2.924	
15,900.00	10,133.99	15,430.84	9,874.08	110.17	108.63	-6.75		5,914.16	-2.20	260.62	169.90	90.72	2.873	
16,000.00	10,132.77	15,530.83	9,873.87	111.97	110.42	-6.43		6,014.14	-3.03	259.43	167.53	91.90	2.823	
16,100.00	10,131.54	15,630.81	9,873.66	113.77	112.21	-6.11		6,114.12	-3.86	258.25	165.16	93.09	2.774	
16,200.00	10,130.32	15,730.79	9,873.46	115.57	114.01	-5.79		6,214.09	-4.69	257.07	162.79	94.28	2.727	
16,300.00	10,129.09	15,830.77	9,873.25	117.37	115.80	-5.47		6,314.07	-5.52	255.91	160.43	95.48	2.680	
16,400.00	10,127.87	15,930.76	9,873.04	119.17	117.60	-5.14		6,414.05	-6.35	254.75	158.07	96.68	2.635	
16,500.00	10,126.64	16,030.74	9,872.83	120.97	119.40	-4.81		6,514.03	-7.18	253.60	155.71	97.89	2.591	

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 31H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	31H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis 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	
16,600.00	10,125.42	16,130.72	9,872.62	122.77	121.20	-4.47	6,614.01	-8.01	252.46	153.36	99.11	2.547		
16,700.00	10,124.19	16,230.70	9,872.42	124.57	122.99	-4.14	6,713.99	-8.84	251.33	151.00	100.33	2.505		
16,800.00	10,122.97	16,330.69	9,872.21	126.38	124.79	-3.80	6,813.97	-9.67	250.21	148.64	101.57	2.463		
16,900.00	10,121.74	16,430.67	9,872.00	128.18	126.59	-3.45	6,913.95	-10.49	249.10	146.28	102.82	2.423		
17,000.00	10,120.52	16,530.65	9,871.79	129.99	128.40	-3.11	7,013.93	-11.32	247.99	143.91	104.08	2.383		
17,100.00	10,119.30	16,630.63	9,871.58	131.79	130.20	-2.76	7,113.90	-12.15	246.90	141.54	105.36	2.343		
17,200.00	10,118.07	16,730.62	9,871.37	133.60	132.00	-2.40	7,213.88	-12.98	245.81	139.16	106.65	2.305		
17,300.00	10,116.85	16,830.60	9,871.17	135.41	133.80	-2.05	7,313.86	-13.81	244.74	136.78	107.96	2.267		
17,400.00	10,115.62	16,930.58	9,870.96	137.22	135.61	-1.69	7,413.84	-14.64	243.67	134.38	109.29	2.230		
17,500.00	10,114.40	17,030.57	9,870.75	139.03	137.41	-1.33	7,513.82	-15.47	242.61	131.98	110.64	2.193		
17,600.00	10,113.17	17,130.55	9,870.54	140.84	139.22	-0.96	7,613.80	-16.30	241.57	129.56	112.01	2.157		
17,700.00	10,111.95	17,230.53	9,870.33	142.65	141.02	-0.59	7,713.78	-17.13	240.53	127.13	113.40	2.121		
17,800.00	10,110.72	17,330.51	9,870.12	144.46	142.83	-0.22	7,813.76	-17.96	239.50	124.69	114.82	2.086		
17,858.95	10,110.00	17,389.45	9,870.00	145.53	143.89	0.00	7,872.69	-18.45	238.90	123.24	115.66	2.065		
17,859.31	10,110.00	17,389.81	9,870.00	145.53	143.90	0.00	7,873.06	-18.45	238.90	123.23	115.67	2.065 SF		

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 31H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	31H	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 - 41H - OH - Plan #1														Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD-ADJ														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (usft)	+E-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	0.80	0.80	0.00	0.00	179.54	-50.02	0.40	50.02						
100.00	100.00	100.80	100.80	0.08	0.09	179.54	-50.02	0.40	50.02	49.85	0.17	293.601			
200.00	200.00	200.80	200.80	0.31	0.31	179.54	-50.02	0.40	50.02	49.40	0.62	80.692			
300.00	300.00	300.80	300.80	0.53	0.54	179.54	-50.02	0.40	50.02	48.95	1.07	46.774			
400.00	400.00	400.80	400.80	0.76	0.76	179.54	-50.02	0.40	50.02	48.50	1.52	32.931			
500.00	500.00	500.80	500.80	0.98	0.99	179.54	-50.02	0.40	50.02	48.05	1.97	25.411			
600.00	600.00	600.80	600.80	1.21	1.21	179.54	-50.02	0.40	50.02	47.60	2.42	20.687			
700.00	700.00	700.80	700.80	1.43	1.43	179.54	-50.02	0.40	50.02	47.15	2.87	17.444			
800.00	800.00	800.80	800.80	1.66	1.66	179.54	-50.02	0.40	50.02	46.70	3.32	15.080			
900.00	900.00	900.80	900.80	1.88	1.88	179.54	-50.02	0.40	50.02	46.25	3.77	13.280			
1,000.00	1,000.00	1,000.80	1,000.80	2.11	2.11	179.54	-50.02	0.40	50.02	45.81	4.22	11.864			
1,100.00	1,100.00	1,100.80	1,100.80	2.33	2.33	179.54	-50.02	0.40	50.02	45.36	4.67	10.721			
1,200.00	1,200.00	1,200.80	1,200.80	2.56	2.56	179.54	-50.02	0.40	50.02	44.91	5.12	9.779			
1,300.00	1,300.00	1,300.80	1,300.80	2.78	2.78	179.54	-50.02	0.40	50.02	44.46	5.56	8.969			
1,400.00	1,400.00	1,400.80	1,400.80	3.01	3.01	179.54	-50.02	0.40	50.02	44.01	6.01	8.317			
1,500.00	1,500.00	1,500.80	1,500.80	3.23	3.23	179.54	-50.02	0.40	50.02	43.56	6.46	7.739			
1,600.00	1,600.00	1,600.80	1,600.80	3.46	3.46	179.54	-50.02	0.40	50.02	43.11	6.91	7.236			
1,700.00	1,700.00	1,700.80	1,700.80	3.68	3.68	179.54	-50.02	0.40	50.02	42.66	7.36	6.794			
1,800.00	1,800.00	1,800.80	1,800.80	3.91	3.91	179.54	-50.02	0.40	50.02	42.21	7.81	6.403			
1,900.00	1,900.00	1,900.80	1,900.80	4.13	4.13	179.54	-50.02	0.40	50.02	41.76	8.26	6.054			
2,000.00	2,000.00	2,000.80	2,000.80	4.35	4.36	179.54	-50.02	0.40	50.02	41.31	8.71	5.742			
2,100.00	2,100.00	2,100.80	2,100.80	4.58	4.58	179.54	-50.02	0.40	50.02	40.86	9.16	5.460			
2,200.00	2,200.00	2,200.80	2,200.80	4.80	4.81	179.54	-50.02	0.40	50.02	40.41	9.61	5.205			
2,300.00	2,300.00	2,300.80	2,300.80	5.03	5.03	179.54	-50.02	0.40	50.02	39.96	10.06	4.972			
2,400.00	2,400.00	2,400.80	2,400.80	5.25	5.26	179.54	-50.02	0.40	50.02	39.51	10.51	4.760			
2,500.00	2,500.00	2,500.80	2,500.80	5.48	5.48	179.54	-50.02	0.40	50.02	39.06	10.96	4.564			
2,600.00	2,600.00	2,600.80	2,600.80	5.70	5.71	179.54	-50.02	0.40	50.02	38.61	11.41	4.385			
2,700.00	2,700.00	2,700.80	2,700.80	5.93	5.93	179.54	-50.02	0.40	50.02	38.16	11.86	4.218			
2,800.00	2,800.00	2,800.80	2,800.80	6.15	6.15	179.54	-50.02	0.40	50.02	37.71	12.31	4.064			
2,900.00	2,900.00	2,900.80	2,900.80	6.38	6.38	179.54	-50.02	0.40	50.02	37.26	12.76	3.921			
3,000.00	3,000.00	3,000.80	3,000.80	6.60	6.60	179.54	-50.02	0.40	50.02	36.81	13.21	3.788			
3,100.00	3,100.00	3,100.80	3,100.80	6.83	6.83	179.54	-50.02	0.40	50.02	36.37	13.66	3.663			
3,200.00	3,200.00	3,200.80	3,200.80	7.05	7.05	179.54	-50.02	0.40	50.02	35.92	14.11	3.546			
3,300.00	3,300.00	3,300.80	3,300.80	7.28	7.28	179.54	-50.02	0.40	50.02	35.47	14.56	3.437			
3,400.00	3,400.00	3,400.80	3,400.80	7.50	7.50	179.54	-50.02	0.40	50.02	35.02	15.00	3.334			
3,500.00	3,500.00	3,500.80	3,500.80	7.73	7.73	179.54	-50.02	0.40	50.02	34.57	15.45	3.237			
3,600.00	3,600.00	3,600.80	3,600.80	7.95	7.95	179.54	-50.02	0.40	50.02	34.12	15.90	3.145			
3,700.00	3,700.00	3,700.80	3,700.80	8.18	8.18	179.54	-50.02	0.40	50.02	33.67	16.35	3.059			
3,800.00	3,800.00	3,800.80	3,800.80	8.40	8.40	179.54	-50.02	0.40	50.02	33.22	16.80	2.977			
3,900.00	3,900.00	3,900.80	3,900.80	8.63	8.63	179.54	-50.02	0.40	50.02	32.77	17.25	2.899			
4,000.00	4,000.00	4,000.80	4,000.80	8.85	8.85	179.54	-50.02	0.40	50.02	32.32	17.70	2.826			
4,100.00	4,100.00	4,100.80	4,100.80	9.07	9.08	179.54	-50.02	0.40	50.02	31.87	18.15	2.756			
4,200.00	4,200.00	4,200.80	4,200.80	9.30	9.30	179.54	-50.02	0.40	50.02	31.42	18.60	2.689			
4,300.00	4,300.00	4,300.80	4,300.80	9.52	9.53	179.54	-50.02	0.40	50.02	30.97	19.05	2.626			
4,367.70	4,367.70	4,368.50	4,368.50	9.67	9.68	90.00	-50.02	0.40	50.02	30.67	19.35	2.586 CC			
4,400.00	4,400.00	4,400.80	4,400.80	9.74	9.75	90.54	-50.02	0.40	50.02	30.54	19.49	2.567			
4,500.00	4,499.96	4,500.76	4,500.76	9.93	9.98	93.53	-50.02	0.40	50.12	30.21	19.91	2.517 ES			
4,600.00	4,599.88	4,600.66	4,600.66	10.13	10.20	98.46	-50.02	0.40	50.57	30.24	20.33	2.487 SF			
4,700.00	4,699.68	4,700.48	4,700.48	10.34	10.42	105.13	-50.02	0.40	51.82	31.07	20.76	2.497			
4,800.00	4,799.37	4,800.17	4,800.17	10.54	10.65	113.09	-50.02	0.40	54.41	33.23	21.18	2.569			
4,900.00	4,898.99	4,899.79	4,899.79	10.75	10.87	120.96	-50.02	0.40	58.39	36.79	21.60	2.703			
5,000.00	4,998.60	4,999.40	4,999.40	10.97	11.10	127.72	-50.02	0.40	63.33	41.30	22.02	2.875			

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 31H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	31H	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 - 41H - OH - Plan #1													Offset Site Error:
Survey Program: O-LEAM MWD-ADJ													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis (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
5,100.00	5,098.22	5,099.02	5,099.02	11.18	11.32	133.44		-50.02	0.40	89.01	46.57	22.45	3.074
5,200.00	5,197.84	5,198.84	5,198.84	11.40	11.54	138.25		-50.02	0.40	75.28	52.41	22.87	3.291
5,300.00	5,297.46	5,298.26	5,298.26	11.62	11.77	142.31		-50.02	0.40	82.00	58.70	23.30	3.520
5,400.00	5,397.08	5,397.88	5,397.88	11.85	11.99	145.73		-50.02	0.40	89.07	65.34	23.73	3.754
5,500.00	5,496.70	5,497.50	5,497.50	12.07	12.22	148.85		-50.02	0.40	96.40	72.25	24.15	3.991
5,600.00	5,596.32	5,597.12	5,597.12	12.30	12.44	151.15		-50.02	0.40	103.95	79.37	24.58	4.228
5,700.00	5,695.94	5,696.74	5,696.74	12.53	12.66	153.30		-50.02	0.40	111.87	86.66	25.02	4.464
5,800.00	5,795.56	5,796.36	5,796.36	12.76	12.89	155.18		-50.02	0.40	119.53	94.08	25.45	4.697
5,900.00	5,895.18	5,895.98	5,895.98	12.99	13.11	156.82		-50.02	0.40	127.50	101.62	25.88	4.926
6,000.00	5,994.80	5,995.60	5,995.60	13.22	13.34	158.27		-50.02	0.40	135.58	109.24	26.31	5.151
6,100.00	6,094.46	6,095.26	6,095.26	13.44	13.56	159.51		-50.02	0.40	143.28	116.53	26.75	5.356
6,200.00	6,194.18	6,194.98	6,194.98	13.65	13.78	160.51		-50.02	0.40	150.25	123.07	27.18	5.528
6,300.00	6,293.97	6,294.77	6,294.77	13.86	14.01	161.32		-50.02	0.40	156.43	128.82	27.61	5.666
6,400.00	6,393.80	6,394.60	6,394.60	14.06	14.23	161.97		-50.02	0.40	161.82	133.78	28.04	5.771
6,500.00	6,493.69	6,494.49	6,494.49	14.26	14.46	162.49		-50.02	0.40	166.39	137.92	28.47	5.845
6,600.00	6,593.61	6,594.41	6,594.41	14.47	14.68	162.89		-50.02	0.40	170.13	141.24	28.89	5.888
6,700.00	6,693.56	6,694.36	6,694.36	14.67	14.91	163.19		-50.02	0.40	173.06	143.73	29.32	5.902
6,800.00	6,793.54	6,794.34	6,794.34	14.87	15.13	163.40		-50.02	0.40	175.14	145.40	29.75	5.888
6,900.00	6,893.53	6,894.33	6,894.33	15.07	15.36	163.53		-50.02	0.40	176.40	146.23	30.17	5.847
7,000.00	6,993.53	6,994.33	6,994.33	15.26	15.58	163.43		-50.02	0.40	176.82	146.24	30.58	5.782
7,100.00	7,093.53	7,094.33	7,094.33	15.46	15.81	163.43		-50.02	0.40	176.82	145.81	31.01	5.702
7,200.00	7,193.53	7,194.33	7,194.33	15.67	16.03	163.43		-50.02	0.40	176.82	145.36	31.45	5.621
7,300.00	7,293.53	7,294.33	7,294.33	15.89	16.25	163.43		-50.02	0.40	176.82	144.92	31.90	5.543
7,400.00	7,393.53	7,394.33	7,394.33	16.11	16.48	163.43		-50.02	0.40	176.82	144.47	32.35	5.466
7,500.00	7,493.53	7,494.33	7,494.33	16.33	16.70	163.43		-50.02	0.40	176.82	144.02	32.79	5.392
7,600.00	7,593.53	7,594.33	7,594.33	16.55	16.93	163.43		-50.02	0.40	176.82	143.58	33.24	5.319
7,700.00	7,693.53	7,694.33	7,694.33	16.77	17.15	163.43		-50.02	0.40	176.82	143.13	33.69	5.249
7,800.00	7,793.53	7,794.33	7,794.33	16.99	17.38	163.43		-50.02	0.40	176.82	142.68	34.13	5.180
7,900.00	7,893.53	7,894.33	7,894.33	17.21	17.60	163.43		-50.02	0.40	176.82	142.24	34.58	5.113
8,000.00	7,993.53	7,994.33	7,994.33	17.43	17.83	163.43		-50.02	0.40	176.82	141.79	35.03	5.048
8,100.00	8,093.53	8,094.33	8,094.33	17.65	18.05	163.43		-50.02	0.40	176.82	141.34	35.47	4.985
8,200.00	8,193.53	8,194.33	8,194.33	17.87	18.28	163.43		-50.02	0.40	176.82	140.90	35.92	4.922
8,300.00	8,293.53	8,294.33	8,294.33	18.09	18.50	163.43		-50.02	0.40	176.82	140.45	36.37	4.862
8,400.00	8,393.53	8,394.33	8,394.33	18.31	18.73	163.43		-50.02	0.40	176.82	140.00	36.81	4.803
8,500.00	8,493.53	8,494.33	8,494.33	18.53	18.95	163.43		-50.02	0.40	176.82	139.56	37.26	4.745
8,600.00	8,593.53	8,594.33	8,594.33	18.75	19.18	163.43		-50.02	0.40	176.82	139.11	37.71	4.689
8,700.00	8,693.53	8,694.33	8,694.33	18.97	19.40	163.43		-50.02	0.40	176.82	138.66	38.16	4.634
8,800.00	8,793.53	8,794.33	8,794.33	19.19	19.63	163.43		-50.02	0.40	176.82	138.21	38.60	4.580
8,900.00	8,893.53	8,894.33	8,894.33	19.41	19.85	163.43		-50.02	0.40	176.82	137.77	39.05	4.528
9,000.00	8,993.53	8,994.33	8,994.33	19.63	20.08	163.43		-50.02	0.40	176.82	137.32	39.50	4.477
9,100.00	9,093.53	9,094.33	9,094.33	19.85	20.30	163.43		-50.02	0.40	176.82	136.87	39.95	4.426
9,200.00	9,193.53	9,194.33	9,194.33	20.07	20.53	163.43		-50.02	0.40	176.82	136.42	40.39	4.377
9,300.00	9,293.53	9,294.33	9,294.33	20.30	20.75	163.43		-50.02	0.40	176.82	135.98	40.84	4.329
9,400.00	9,393.53	9,394.33	9,394.33	20.52	20.97	163.43		-50.02	0.40	176.82	135.53	41.29	4.283
9,500.00	9,493.53	9,494.33	9,494.33	20.74	21.20	163.43		-50.02	0.40	176.82	135.08	41.74	4.237
9,600.00	9,593.53	9,594.33	9,594.33	20.96	21.42	163.43		-50.02	0.40	176.82	134.63	42.18	4.192
9,685.64	9,679.17	9,679.97	9,679.97	21.15	21.62	163.43		-50.02	0.40	176.82	134.25	42.57	4.154
9,700.00	9,693.53	9,694.33	9,694.33	21.18	21.65	163.43		-50.02	0.40	176.82	134.23	42.63	4.149
9,750.00	9,743.37	9,744.17	9,744.17	21.29	21.76	163.43		-50.02	0.40	177.89	135.05	42.84	4.152
9,800.00	9,792.61	9,793.41	9,793.41	21.40	21.87	163.43		-50.02	0.40	180.47	137.45	43.02	4.195
9,850.00	9,840.82	9,841.62	9,841.62	21.51	21.98	163.43		-50.02	0.40	185.17	142.06	43.11	4.295
9,900.00	9,887.53	9,888.33	9,888.33	21.62	22.09	163.43		-50.02	0.40	192.75	149.67	43.08	4.474

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 31H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	31H	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 - 41H - OH - Plan #1													Offset Site Error:
Survey Program: 0-LEAM MWD-ADJ													Offset Well Error:
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	Warning
9,950.00	9,932.33	9,935.68	9,935.68	21.73	22.19	-120.02	-49.89	0.40	203.93	161.08	42.86	4.758	
10,000.00	9,974.79	9,994.38	9,994.16	21.84	22.32	-125.17	-45.29	0.39	217.29	174.91	42.38	5.127	
10,050.00	10,014.53	10,057.29	10,055.84	21.95	22.47	-129.79	-33.09	0.36	231.47	189.82	41.65	5.558	
10,100.00	10,051.19	10,124.98	10,120.04	22.07	22.61	-133.88	-11.77	0.31	245.77	205.07	40.70	6.038	
10,150.00	10,084.42	10,197.95	10,185.52	22.21	22.76	-137.45	20.31	0.23	259.52	219.92	39.60	6.554	
10,200.00	10,113.92	10,276.56	10,250.28	22.37	22.94	-140.50	64.73	0.13	272.00	233.60	38.41	7.082	
10,250.00	10,139.41	10,360.78	10,311.41	22.56	23.16	-143.01	122.54	-0.01	282.54	245.30	37.24	7.586	
10,300.00	10,160.67	10,450.12	10,365.17	22.78	23.45	-144.93	193.75	-0.18	290.47	254.25	36.21	8.021	
10,350.00	10,177.49	10,543.41	10,407.48	23.03	23.84	-146.25	276.75	-0.38	295.24	259.78	35.45	8.327	
10,400.00	10,189.73	10,638.86	10,434.76	23.30	24.32	-146.94	368.08	-0.59	296.47	261.39	35.08	8.450	
10,450.00	10,197.26	10,734.29	10,444.94	23.61	24.89	-146.97	462.83	-0.82	294.02	258.82	35.20	8.353	
10,500.00	10,200.03	10,788.81	10,444.85	23.94	25.25	-146.99	517.35	-0.95	291.02	255.54	35.47	8.204	
10,510.20	10,200.00	10,799.01	10,444.81	24.01	25.32	-147.03	527.55	-0.97	290.89	255.35	35.54	8.184	
10,600.00	10,198.90	10,888.78	10,444.51	24.89	26.01	-147.44	617.32	-1.19	290.51	254.36	36.15	8.036	
10,700.00	10,197.68	10,988.76	10,444.17	25.54	26.87	-147.89	717.29	-1.43	290.11	253.18	36.93	7.856	
10,800.00	10,196.45	11,088.73	10,443.83	26.49	27.82	-148.34	817.26	-1.66	289.72	251.92	37.80	7.664	
10,900.00	10,195.23	11,188.70	10,443.50	27.53	28.85	-148.80	917.24	-1.90	289.36	250.60	38.76	7.466	
11,000.00	10,194.00	11,288.68	10,443.16	28.66	29.96	-149.25	1,017.21	-2.14	289.01	249.22	39.78	7.265	
11,100.00	10,192.78	11,388.65	10,442.82	29.85	31.14	-149.71	1,117.18	-2.38	288.68	247.81	40.87	7.064	
11,200.00	10,191.55	11,488.62	10,442.48	31.10	32.38	-150.17	1,217.15	-2.61	288.36	246.36	42.01	6.865	
11,300.00	10,190.33	11,588.59	10,442.15	32.41	33.67	-150.63	1,317.12	-2.85	288.07	244.89	43.18	6.671	
11,400.00	10,189.10	11,688.57	10,441.81	33.77	35.01	-151.09	1,417.10	-3.09	287.80	243.40	44.40	6.482	
11,500.00	10,187.88	11,788.54	10,441.47	35.17	36.39	-151.55	1,517.07	-3.33	287.54	241.90	45.64	6.301	
11,600.00	10,186.66	11,888.51	10,441.13	36.61	37.81	-152.01	1,617.04	-3.57	287.30	240.41	46.90	6.126	
11,700.00	10,185.43	11,988.49	10,440.79	38.08	39.26	-152.48	1,717.01	-3.80	287.08	238.91	48.17	5.960	
11,800.00	10,184.21	12,088.46	10,440.46	39.58	40.74	-152.94	1,816.98	-4.04	286.88	237.43	49.45	5.801	
11,900.00	10,182.98	12,188.43	10,440.12	41.11	42.25	-153.40	1,916.96	-4.28	286.70	235.96	50.74	5.650	
12,000.00	10,181.76	12,288.40	10,439.78	42.67	43.79	-153.87	2,016.93	-4.52	286.54	234.50	52.04	5.506	
12,100.00	10,180.53	12,388.38	10,439.44	44.24	45.34	-154.33	2,116.90	-4.76	286.40	233.07	53.33	5.370	
12,200.00	10,179.31	12,488.35	10,439.11	45.84	46.92	-154.80	2,216.87	-4.99	286.27	231.65	54.62	5.241	
12,300.00	10,178.08	12,588.32	10,438.77	47.45	48.51	-155.26	2,316.84	-5.23	286.16	230.27	55.90	5.119	
12,400.00	10,176.86	12,688.30	10,438.43	49.08	50.12	-155.73	2,416.82	-5.47	286.08	228.91	57.17	5.004	
12,500.00	10,175.63	12,788.27	10,438.09	50.72	51.74	-156.20	2,516.79	-5.71	286.01	227.58	58.43	4.895	
12,600.00	10,174.41	12,888.24	10,437.76	52.37	53.38	-156.66	2,616.76	-5.94	285.96	226.27	59.69	4.791	
12,700.00	10,173.18	12,988.21	10,437.42	54.04	55.02	-157.13	2,716.73	-6.18	285.93	225.01	60.93	4.693	
12,800.00	10,171.96	13,088.19	10,437.08	55.71	56.68	-157.60	2,816.70	-6.42	285.92	223.77	62.15	4.600	
12,807.93	10,171.86	13,096.12	10,437.05	55.84	56.81	-157.63	2,824.64	-6.44	285.92	223.67	62.25	4.593	
12,900.00	10,170.73	13,188.16	10,436.74	57.40	58.35	-158.06	2,916.68	-6.66	285.93	222.58	63.36	4.513	
13,000.00	10,169.51	13,288.13	10,436.40	59.09	60.03	-158.53	3,016.65	-6.90	285.95	221.39	64.56	4.429	
13,100.00	10,168.28	13,388.11	10,436.07	60.79	61.71	-159.00	3,116.62	-7.13	286.00	220.26	65.74	4.350	
13,200.00	10,167.06	13,488.08	10,435.73	62.50	63.41	-159.46	3,216.59	-7.37	286.07	219.16	66.91	4.276	
13,300.00	10,165.83	13,588.05	10,435.39	64.22	65.11	-159.93	3,316.56	-7.61	286.15	218.09	68.06	4.204	
13,400.00	10,164.61	13,688.02	10,435.05	65.94	66.82	-160.40	3,416.54	-7.85	286.25	217.06	69.19	4.137	
13,500.00	10,163.39	13,788.00	10,434.72	67.67	68.53	-160.86	3,516.51	-8.09	286.37	216.06	70.31	4.073	
13,600.00	10,162.16	13,887.97	10,434.38	69.40	70.25	-161.33	3,616.48	-8.32	286.51	215.10	71.42	4.012	
13,700.00	10,160.94	13,987.94	10,434.04	71.14	71.98	-161.79	3,716.45	-8.56	286.67	214.17	72.51	3.954	
13,800.00	10,159.71	14,087.92	10,433.70	72.89	73.70	-162.26	3,816.42	-8.80	286.85	213.27	73.58	3.898	
13,900.00	10,158.49	14,187.89	10,433.37	74.64	75.44	-162.72	3,916.40	-9.04	287.05	212.41	74.64	3.846	
14,000.00	10,157.26	14,287.86	10,433.03	76.39	77.18	-163.18	4,016.37	-9.27	287.27	211.57	75.69	3.795	
14,100.00	10,156.04	14,387.83	10,432.69	78.14	78.92	-163.64	4,116.34	-9.51	287.50	210.77	76.73	3.747	
14,200.00	10,154.81	14,487.81	10,432.35	79.90	80.67	-164.11	4,216.31	-9.75	287.75	210.00	77.75	3.701	
14,300.00	10,153.59	14,587.78	10,432.01	81.66	82.41	-164.57	4,316.28	-9.99	288.03	209.26	78.77	3.657	

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 31H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	31H	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 - 41H - OH - Plan #1														Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD-ADJ														Offset Well Error:	0.00 usft
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		
14,400.00	10,152.36	14,687.75	10,431.68	83.43	84.17	-165.03	4,416.26	-10.23	288.32	208.55	79.77	3.614			
14,500.00	10,151.14	14,787.73	10,431.34	85.20	85.92	-165.48	4,516.23	-10.46	288.63	207.86	80.77	3.574			
14,600.00	10,149.91	14,887.70	10,431.00	86.97	87.68	-165.94	4,616.20	-10.70	288.95	207.20	81.75	3.534			
14,700.00	10,148.69	14,987.67	10,430.66	88.74	89.44	-166.40	4,716.17	-10.94	289.30	206.57	82.73	3.497			
14,800.00	10,147.46	15,087.64	10,430.33	90.52	91.21	-166.85	4,816.14	-11.18	289.66	205.96	83.71	3.460			
14,900.00	10,146.24	15,187.62	10,429.99	92.30	92.97	-167.31	4,916.12	-11.41	290.05	205.37	84.68	3.425			
15,000.00	10,145.01	15,287.59	10,429.65	94.08	94.74	-167.76	5,016.09	-11.65	290.45	204.80	85.64	3.391			
15,100.00	10,143.79	15,387.56	10,429.31	95.86	96.51	-168.21	5,116.06	-11.89	290.87	204.26	86.61	3.358			
15,200.00	10,142.57	15,487.54	10,428.98	97.64	98.28	-168.66	5,216.03	-12.13	291.30	203.73	87.57	3.327			
15,300.00	10,141.34	15,587.51	10,428.64	99.43	100.06	-169.11	5,316.00	-12.37	291.76	203.22	88.53	3.295			
15,400.00	10,140.12	15,687.48	10,428.30	101.21	101.83	-169.56	5,415.98	-12.60	292.23	202.73	89.50	3.265			
15,500.00	10,138.89	15,787.45	10,427.96	103.00	103.61	-170.01	5,515.95	-12.84	292.72	202.25	90.47	3.236			
15,600.00	10,137.67	15,887.43	10,427.62	104.79	105.39	-170.45	5,615.92	-13.08	293.23	201.79	91.44	3.207			
15,700.00	10,136.44	15,987.40	10,427.29	106.59	107.17	-170.89	5,715.89	-13.32	293.75	201.34	92.42	3.179			
15,800.00	10,135.22	16,087.37	10,426.95	108.38	108.96	-171.34	5,815.86	-13.56	294.30	200.89	93.40	3.151			
15,900.00	10,133.99	16,187.35	10,426.61	110.17	110.74	-171.78	5,915.84	-13.79	294.86	200.46	94.40	3.124			
16,000.00	10,132.77	16,287.32	10,426.27	111.97	112.52	-172.21	6,015.81	-14.03	295.44	200.04	95.40	3.097			
16,100.00	10,131.54	16,387.29	10,425.94	113.77	114.31	-172.65	6,115.78	-14.27	296.03	199.62	96.42	3.070			
16,200.00	10,130.32	16,487.26	10,425.60	115.57	116.10	-173.08	6,215.75	-14.51	296.64	199.20	97.44	3.044			
16,300.00	10,129.09	16,587.24	10,425.26	117.37	117.89	-173.52	6,315.72	-14.74	297.27	198.79	98.46	3.018			
16,400.00	10,127.87	16,687.21	10,424.92	119.17	119.68	-173.95	6,415.70	-14.98	297.92	198.38	99.54	2.993			
16,500.00	10,126.64	16,787.18	10,424.59	120.97	121.47	-174.38	6,515.67	-15.22	298.58	197.97	100.61	2.968			
16,600.00	10,125.42	16,887.16	10,424.25	122.77	123.26	-174.80	6,615.64	-15.46	299.26	197.56	101.70	2.943			
16,700.00	10,124.19	16,987.13	10,423.91	124.57	125.05	-175.23	6,715.61	-15.70	299.96	197.15	102.81	2.918			
16,800.00	10,122.97	17,087.10	10,423.57	126.38	126.85	-175.65	6,815.58	-15.93	300.67	196.73	103.94	2.893			
16,900.00	10,121.74	17,187.07	10,423.23	128.18	128.64	-176.07	6,915.56	-16.17	301.40	196.31	105.09	2.868			
17,000.00	10,120.52	17,287.05	10,422.90	129.99	130.44	-176.49	7,015.53	-16.41	302.15	195.88	106.26	2.843			
17,100.00	10,119.30	17,387.02	10,422.56	131.79	132.24	-176.91	7,115.50	-16.65	302.91	195.45	107.46	2.819			
17,200.00	10,118.07	17,486.99	10,422.22	133.60	134.03	-177.32	7,215.47	-16.89	303.69	195.01	108.68	2.794			
17,300.00	10,116.85	17,586.97	10,421.88	135.41	135.83	-177.74	7,315.44	-17.12	304.48	194.56	109.92	2.770			
17,400.00	10,115.62	17,686.94	10,421.55	137.22	137.63	-178.15	7,415.42	-17.36	305.29	194.10	111.19	2.746			
17,500.00	10,114.40	17,786.91	10,421.21	139.03	139.43	-178.56	7,515.39	-17.60	306.11	193.62	112.49	2.721			
17,600.00	10,113.17	17,886.88	10,420.87	140.84	141.23	-178.96	7,615.36	-17.84	306.95	193.14	113.82	2.697			
17,700.00	10,111.95	17,986.86	10,420.53	142.65	143.03	-179.37	7,715.33	-18.07	307.81	192.64	115.17	2.673			
17,800.00	10,110.72	18,086.83	10,420.20	144.46	144.83	-179.77	7,815.30	-18.31	308.68	192.12	116.55	2.648			
17,858.95	10,110.00	18,145.59	10,420.00	145.53	145.89	180.00	7,874.06	-18.45	309.20	191.84	117.36	2.635			
17,859.31	10,110.00	18,145.59	10,420.00	145.53	145.89	180.00	7,874.06	-18.45	309.20	191.84	117.36	2.635			

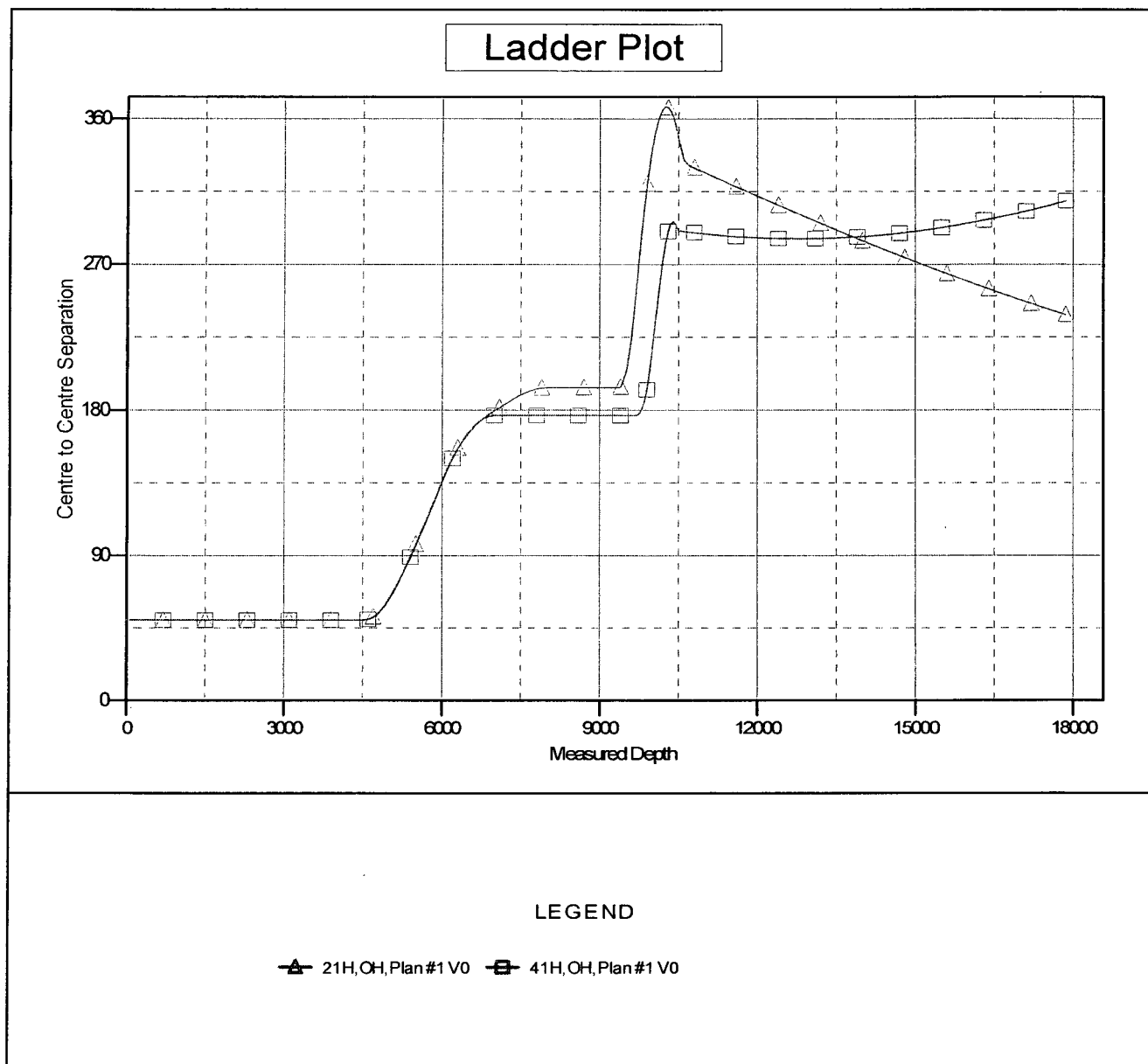
LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 31H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	31H	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 3355.9' GL + 25' RKB @ 3380.90usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: 31H
 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

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 31H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Reference Site:	Green Wave 20-17 Fed	MD Reference:	3355.9' GL + 25' RKB @ 3380.90usft
Site Error:	0.00.usft	North Reference:	Grid
Reference Well:	31H	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 3355.9' GL + 25' RKB @ 3380.90usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: 31H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.44°

