

DEVON ENERGY

Lea County, NM (NAD-83)

Seawolf 1-12 Fed

95H

OH

Plan #1

Anticollision Report

27 October, 2016

LEAM Drilling Systems LLC

Anticollision Report

Company: DEVON ENERGY
 Project: Lea County, NM (NAD-83)
 Reference Site: Seawolf 1-12 Fed
 Site Error: 0.00 usft
 Reference Well: 95H
 Well Error: 0.00 usft
 Reference Wellbore: OH
 Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
 TVD Reference: 3325.7' GE @ 3349.20usft
 MD Reference: 3325.7' GE @ 3349.20usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Output errors are at: 2.00 sigma
 Database: EDM 5000.1 Single User Db
 Offset TVD Reference: Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	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	10/27/2016		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	22,673.56	Plan #1 (OH)	LEAM MWD-ADJ	MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Seawolf 1-12 Fed						
85H - OH - Plan #1	5,500.00	5,499.00	58.22	33.78	2.382	CC
85H - OH - Plan #1	5,600.00	5,598.57	58.59	33.71	2.355	ES
85H - OH - Plan #1	22,673.56	22,532.72	433.72	86.30	1.248	Level 2, SF
86H - OH - Plan #1	3,500.00	3,499.20	29.99	14.54	1.941	CC
86H - OH - Plan #1	3,700.00	3,699.11	30.22	13.91	1.852	ES
86H - OH - Plan #1	22,673.56	22,554.56	523.33	166.30	1.466	Level 3, SF
94H - OH - Plan #1	3,500.00	3,499.70	49.97	34.52	3.233	CC, ES
94H - OH - Plan #1	22,673.56	22,821.14	853.98	484.11	2.309	SF

Offset Design														Offset Site Error: 0.00 usft
Seawolf 1-12 Fed - 85H - OH - Plan #1														Offset Well Error: 0.00 usft
Survey Program:	0-LEAM MWD-ADJ													
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	-121.34	-30.28	-49.73	58.23					
100.00	100.00	99.00	99.00	0.09	0.09	-121.34	-30.28	-49.73	58.22	58.05	0.17	340.315		
200.00	200.00	199.00	199.00	0.31	0.31	-121.34	-30.28	-49.73	58.22	57.60	0.62	94.025		
300.00	300.00	299.00	299.00	0.54	0.53	-121.34	-30.28	-49.73	58.22	57.15	1.07	54.477		
400.00	400.00	399.00	399.00	0.76	0.76	-121.34	-30.28	-49.73	58.22	56.70	1.52	38.348		
500.00	500.00	499.00	499.00	0.99	0.98	-121.34	-30.28	-49.73	58.22	56.26	1.97	29.588		
600.00	600.00	599.00	599.00	1.21	1.21	-121.34	-30.28	-49.73	58.22	55.81	2.42	24.085		
700.00	700.00	699.00	699.00	1.43	1.43	-121.34	-30.28	-49.73	58.22	55.36	2.87	20.309		
800.00	800.00	799.00	799.00	1.66	1.66	-121.34	-30.28	-49.73	58.22	54.91	3.32	17.556		
900.00	900.00	899.00	899.00	1.88	1.88	-121.34	-30.28	-49.73	58.22	54.46	3.77	15.460		
1,000.00	1,000.00	999.00	999.00	2.11	2.11	-121.34	-30.28	-49.73	58.22	54.01	4.22	13.812		
1,100.00	1,100.00	1,099.00	1,099.00	2.33	2.33	-121.34	-30.28	-49.73	58.22	53.56	4.67	12.481		
1,200.00	1,200.00	1,199.00	1,199.00	2.56	2.56	-121.34	-30.28	-49.73	58.22	53.11	5.11	11.384		
1,300.00	1,300.00	1,299.00	1,299.00	2.78	2.78	-121.34	-30.28	-49.73	58.22	52.66	5.56	10.464		
1,400.00	1,400.00	1,399.00	1,399.00	3.01	3.01	-121.34	-30.28	-49.73	58.22	52.21	6.01	9.682		
1,500.00	1,500.00	1,499.00	1,499.00	3.23	3.23	-121.34	-30.28	-49.73	58.22	51.76	6.46	9.009		
1,600.00	1,600.00	1,599.00	1,599.00	3.46	3.46	-121.34	-30.28	-49.73	58.22	51.31	6.91	8.423		
1,700.00	1,700.00	1,699.00	1,699.00	3.68	3.68	-121.34	-30.28	-49.73	58.22	50.86	7.36	7.908		
1,800.00	1,800.00	1,799.00	1,799.00	3.91	3.90	-121.34	-30.28	-49.73	58.22	50.41	7.81	7.453		
1,900.00	1,900.00	1,899.00	1,899.00	4.13	4.13	-121.34	-30.28	-49.73	58.22	49.96	8.26	7.048		

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

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Offset Design Seawolf 1-12 Fed - 85H - 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 Tooface (°)	Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)					
2,000.00	2,000.00	1,999.00	1,999.00	4.36	4.35	-121.34	-30.28	-49.73	58.22	49.51	8.71	6.684	
2,100.00	2,100.00	2,099.00	2,099.00	4.58	4.58	-121.34	-30.28	-49.73	58.22	49.06	9.16	6.356	
2,200.00	2,200.00	2,199.00	2,199.00	4.81	4.80	-121.34	-30.28	-49.73	58.22	48.61	9.61	6.059	
2,300.00	2,300.00	2,299.00	2,299.00	5.03	5.03	-121.34	-30.28	-49.73	58.22	48.16	10.06	5.788	
2,400.00	2,400.00	2,399.00	2,399.00	5.26	5.25	-121.34	-30.28	-49.73	58.22	47.71	10.51	5.540	
2,500.00	2,500.00	2,499.00	2,499.00	5.48	5.48	-121.34	-30.28	-49.73	58.22	47.26	10.96	5.313	
2,600.00	2,600.00	2,599.00	2,599.00	5.71	5.70	-121.34	-30.28	-49.73	58.22	46.82	11.41	5.104	
2,700.00	2,700.00	2,699.00	2,699.00	5.93	5.93	-121.34	-30.28	-49.73	58.22	46.37	11.86	4.910	
2,800.00	2,800.00	2,799.00	2,799.00	6.15	6.15	-121.34	-30.28	-49.73	58.22	45.92	12.31	4.731	
2,900.00	2,900.00	2,899.00	2,899.00	6.38	6.38	-121.34	-30.28	-49.73	58.22	45.47	12.76	4.564	
3,000.00	3,000.00	2,999.00	2,999.00	6.60	6.60	-121.34	-30.28	-49.73	58.22	45.02	13.21	4.409	
3,100.00	3,100.00	3,099.00	3,099.00	6.83	6.83	-121.34	-30.28	-49.73	58.22	44.57	13.66	4.264	
3,200.00	3,200.00	3,199.00	3,199.00	7.05	7.05	-121.34	-30.28	-49.73	58.22	44.12	14.11	4.128	
3,300.00	3,300.00	3,299.00	3,299.00	7.28	7.28	-121.34	-30.28	-49.73	58.22	43.67	14.55	4.000	
3,400.00	3,400.00	3,399.00	3,399.00	7.50	7.50	-121.34	-30.28	-49.73	58.22	43.22	15.00	3.880	
3,500.00	3,500.00	3,499.00	3,499.00	7.73	7.73	-121.34	-30.28	-49.73	58.22	42.77	15.45	3.768	
3,600.00	3,600.00	3,599.00	3,599.00	7.95	7.95	-121.34	-30.28	-49.73	58.22	42.32	15.90	3.661	
3,700.00	3,700.00	3,699.00	3,699.00	8.18	8.18	-121.34	-30.28	-49.73	58.22	41.87	16.35	3.560	
3,800.00	3,800.00	3,799.00	3,799.00	8.40	8.40	-121.34	-30.28	-49.73	58.22	41.42	16.80	3.465	
3,900.00	3,900.00	3,899.00	3,899.00	8.63	8.62	-121.34	-30.28	-49.73	58.22	40.97	17.25	3.375	
4,000.00	4,000.00	3,999.00	3,999.00	8.85	8.85	-121.34	-30.28	-49.73	58.22	40.52	17.70	3.289	
4,100.00	4,100.00	4,099.00	4,099.00	9.08	9.07	-121.34	-30.28	-49.73	58.22	40.07	18.15	3.208	
4,200.00	4,200.00	4,199.00	4,199.00	9.30	9.30	-121.34	-30.28	-49.73	58.22	39.62	18.60	3.130	
4,300.00	4,300.00	4,299.00	4,299.00	9.53	9.52	-121.34	-30.28	-49.73	58.22	39.17	19.05	3.056	
4,400.00	4,400.00	4,399.00	4,399.00	9.75	9.75	-121.34	-30.28	-49.73	58.22	38.72	19.50	2.986	
4,500.00	4,500.00	4,499.00	4,499.00	9.98	9.97	-121.34	-30.28	-49.73	58.22	38.27	19.95	2.919	
4,600.00	4,600.00	4,599.00	4,599.00	10.20	10.20	-121.34	-30.28	-49.73	58.22	37.82	20.40	2.854	
4,700.00	4,700.00	4,699.00	4,699.00	10.43	10.42	-121.34	-30.28	-49.73	58.22	37.38	20.85	2.793	
4,800.00	4,800.00	4,799.00	4,799.00	10.65	10.65	-121.34	-30.28	-49.73	58.22	36.93	21.30	2.734	
4,900.00	4,900.00	4,899.00	4,899.00	10.87	10.87	-121.34	-30.28	-49.73	58.22	36.48	21.75	2.677	
5,000.00	5,000.00	4,999.00	4,999.00	11.10	11.10	-121.34	-30.28	-49.73	58.22	36.03	22.20	2.623	
5,100.00	5,100.00	5,099.00	5,099.00	11.32	11.32	-121.34	-30.28	-49.73	58.22	35.58	22.65	2.571	
5,200.00	5,200.00	5,199.00	5,199.00	11.55	11.55	-121.34	-30.28	-49.73	58.22	35.13	23.10	2.521	
5,300.00	5,300.00	5,299.00	5,299.00	11.77	11.77	-121.34	-30.28	-49.73	58.22	34.68	23.55	2.473	
5,400.00	5,400.00	5,399.00	5,399.00	12.00	12.00	-121.34	-30.28	-49.73	58.22	34.23	23.99	2.426	
5,500.00	5,500.00	5,499.00	5,499.00	12.22	12.22	-121.34	-30.28	-49.73	58.22	33.78	24.44	2.382 CC	
5,600.00	5,600.00	5,598.57	5,598.57	12.45	12.43	-121.12	-30.28	-50.15	58.59	33.71	24.88	2.355 ES	
5,700.00	5,700.00	5,698.12	5,698.11	12.67	12.63	-120.48	-30.28	-51.44	59.70	34.40	25.30	2.360	
5,800.00	5,800.00	5,797.64	5,797.61	12.90	12.82	-119.47	-30.28	-53.60	61.57	35.85	25.72	2.394	
5,900.00	5,900.00	5,897.12	5,897.04	13.12	13.02	-118.14	-30.28	-56.61	64.23	38.09	26.14	2.457	
6,000.00	6,000.00	5,996.53	5,996.38	13.35	13.22	-116.59	-30.28	-60.49	67.69	41.13	26.57	2.548	
6,100.00	6,100.00	6,095.87	6,095.61	13.57	13.42	-114.90	-30.28	-65.22	71.99	45.00	26.99	2.667	
6,200.00	6,200.00	6,195.13	6,194.70	13.80	13.63	-113.15	-30.28	-70.81	77.13	49.72	27.41	2.814	
6,300.00	6,300.00	6,294.27	6,293.64	14.02	13.83	-111.40	-30.28	-77.25	83.14	55.30	27.84	2.987	
6,400.00	6,400.00	6,393.30	6,392.40	14.25	14.04	-109.71	-30.28	-84.53	90.03	61.77	28.26	3.186	
6,500.00	6,500.00	6,492.20	6,490.96	14.47	14.25	-108.10	-30.28	-92.66	97.81	69.12	28.69	3.409	
6,600.00	6,600.00	6,591.75	6,590.13	14.70	14.47	-106.64	-30.28	-101.33	106.13	77.01	29.12	3.645	
6,700.00	6,700.00	6,691.37	6,689.38	14.92	14.68	-105.39	-30.28	-110.01	114.51	84.97	29.54	3.876	
6,800.00	6,800.00	6,790.99	6,788.62	15.15	14.90	-104.31	-30.28	-118.70	122.94	92.96	29.97	4.102	
6,900.00	6,900.00	6,890.61	6,887.86	15.37	15.12	-103.37	-30.28	-127.38	131.40	101.00	30.40	4.322	
7,000.00	7,000.00	6,990.23	6,987.10	15.59	15.34	-102.55	-30.28	-136.06	139.90	109.06	30.83	4.537	
7,100.00	7,100.00	7,089.85	7,086.34	15.82	15.56	-101.82	-30.28	-144.74	148.42	117.15	31.26	4.747	

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Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
7,200.00	7,200.00	7,189.47	7,185.58	16.04	15.79	-101.16	-30.28	-153.43	156.96	125.26	31.70	4.952	
7,300.00	7,300.00	7,289.09	7,284.82	16.27	16.02	-100.58	-30.28	-162.11	165.52	133.39	32.13	5.152	
7,400.00	7,400.00	7,388.71	7,384.06	16.49	16.24	-100.05	-30.28	-170.79	174.10	141.53	32.56	5.347	
7,500.00	7,500.00	7,468.33	7,463.30	16.72	16.47	-99.58	-30.28	-179.47	182.69	149.69	33.00	5.537	
7,600.00	7,600.00	7,587.95	7,582.54	16.94	16.70	-99.14	-30.28	-188.16	191.29	157.85	33.43	5.722	
7,700.00	7,700.00	7,687.57	7,681.78	17.17	16.94	-98.75	-30.28	-196.84	199.90	166.03	33.87	5.903	
7,800.00	7,800.00	7,787.19	7,781.02	17.39	17.17	-98.38	-30.28	-205.52	208.52	174.21	34.30	6.079	
7,900.00	7,900.00	7,886.81	7,880.26	17.62	17.40	-98.05	-30.28	-214.20	217.14	182.40	34.74	6.251	
8,000.00	8,000.00	7,986.43	7,979.50	17.84	17.64	-97.74	-30.28	-222.88	225.78	190.60	35.17	6.419	
8,100.00	8,100.00	8,086.04	8,078.74	18.07	17.88	-97.45	-30.28	-231.57	234.42	198.80	35.61	6.583	
8,200.00	8,200.00	8,185.66	8,177.98	18.29	18.11	-97.18	-30.28	-240.25	243.06	207.01	36.05	6.742	
8,300.00	8,300.00	8,285.28	8,277.22	18.52	18.35	-96.94	-30.28	-248.93	251.71	215.22	36.49	6.898	
8,400.00	8,400.00	8,384.90	8,376.46	18.74	18.59	-96.70	-30.28	-257.61	260.36	223.44	36.93	7.051	
8,500.00	8,500.00	8,484.52	8,475.70	18.97	18.83	-96.49	-30.28	-266.30	269.02	231.66	37.37	7.200	
8,600.00	8,600.00	8,584.14	8,574.94	19.19	19.07	-96.28	-30.28	-274.98	277.68	239.88	37.81	7.345	
8,700.00	8,700.00	8,683.76	8,674.18	19.42	19.32	-96.09	-30.28	-283.66	286.35	248.10	38.25	7.487	
8,800.00	8,800.00	8,783.38	8,773.42	19.64	19.56	-95.91	-30.28	-292.34	295.02	256.33	38.69	7.626	
8,900.00	8,900.00	8,883.00	8,872.66	19.87	19.80	-95.74	-30.28	-301.03	303.69	264.56	39.13	7.762	
9,000.00	9,000.00	8,982.62	8,971.90	20.09	20.05	-95.58	-30.28	-309.71	312.36	272.79	39.57	7.894	
9,100.00	9,100.00	9,082.24	9,071.15	20.31	20.29	-95.43	-30.28	-318.39	321.04	281.03	40.01	8.024	
9,200.00	9,200.00	9,181.86	9,170.39	20.54	20.54	-95.29	-30.28	-327.07	329.72	289.26	40.45	8.151	
9,300.00	9,300.00	9,281.48	9,269.63	20.76	20.79	-95.15	-30.28	-335.75	338.39	297.50	40.89	8.275	
9,400.00	9,400.00	9,381.10	9,368.87	20.99	21.03	-95.02	-30.28	-344.44	347.08	305.74	41.34	8.397	
9,500.00	9,500.00	9,480.72	9,468.11	21.21	21.28	-94.90	-30.28	-353.12	355.76	313.98	41.78	8.515	
9,600.00	9,600.00	9,580.34	9,567.35	21.44	21.53	-94.78	-30.28	-361.80	364.44	322.22	42.22	8.632	
9,700.00	9,700.00	9,679.96	9,666.59	21.66	21.78	-94.67	-30.28	-370.48	373.13	330.46	42.66	8.746	
9,800.00	9,800.00	9,779.58	9,765.83	21.89	22.03	-94.57	-30.28	-379.17	381.82	338.71	43.11	8.857	
9,900.00	9,900.00	9,879.20	9,865.07	22.11	22.28	-94.46	-30.28	-387.85	390.51	346.95	43.55	8.966	
10,000.00	10,000.00	9,978.82	9,964.31	22.34	22.53	-94.37	-30.28	-396.53	399.20	355.20	44.00	9.073	
10,100.00	10,100.00	10,078.43	10,063.55	22.56	22.78	-94.27	-30.28	-405.21	407.89	363.44	44.44	9.178	
10,200.00	10,200.00	10,178.05	10,162.79	22.79	23.03	-94.18	-30.28	-413.90	416.58	371.69	44.89	9.281	
10,300.00	10,300.00	10,277.67	10,262.03	23.01	23.29	-94.10	-30.28	-422.58	425.27	379.94	45.33	9.381	
10,400.00	10,400.00	10,377.29	10,361.27	23.24	23.54	-94.02	-30.28	-431.26	433.97	388.19	45.78	9.480	
10,500.00	10,500.00	10,476.91	10,460.51	23.46	23.79	-93.94	-30.28	-439.94	442.66	396.44	46.22	9.577	
10,600.00	10,600.00	10,579.66	10,562.89	23.69	24.04	-93.86	-30.28	-448.62	451.09	404.43	46.66	9.667	
10,700.00	10,700.00	10,683.49	10,666.42	23.91	24.26	-93.80	-30.28	-456.48	458.64	411.55	47.09	9.739	
10,800.00	10,800.00	10,787.45	10,770.15	24.14	24.47	-93.74	-30.28	-463.41	465.30	417.78	47.52	9.792	
10,900.00	10,900.00	10,891.52	10,874.05	24.36	24.68	-93.69	-30.28	-469.41	471.05	423.10	47.94	9.825	
11,000.00	11,000.00	10,995.70	10,978.11	24.59	24.89	-93.65	-30.28	-474.47	475.89	427.52	48.37	9.838	
11,100.00	11,100.00	11,099.96	11,082.29	24.81	25.10	-93.62	-30.28	-478.58	479.83	431.03	48.80	9.833	
11,200.00	11,200.00	11,204.29	11,186.57	25.04	25.30	-93.60	-30.28	-481.74	482.86	433.63	49.22	9.810	
11,300.00	11,300.00	11,308.67	11,290.92	25.26	25.50	-93.58	-30.28	-483.96	484.98	435.33	49.65	9.768	
11,400.00	11,400.00	11,413.08	11,395.32	25.48	25.69	-93.57	-30.28	-485.23	486.19	436.12	50.07	9.710	
11,500.00	11,500.00	11,516.76	11,499.00	25.71	25.88	-93.57	-30.28	-485.56	486.50	436.01	50.50	9.635	
11,600.00	11,600.00	11,616.76	11,599.00	25.93	26.08	-93.57	-30.28	-485.56	486.50	435.58	50.93	9.553	
11,700.00	11,700.00	11,716.76	11,699.00	26.16	26.29	-93.57	-30.28	-485.56	486.50	435.14	51.37	9.471	
11,800.00	11,800.00	11,816.76	11,799.00	26.38	26.50	-93.57	-30.28	-485.56	486.50	434.69	51.81	9.390	
11,900.00	11,900.00	11,916.76	11,899.00	26.61	26.71	-93.57	-30.28	-485.56	486.50	434.25	52.25	9.311	
12,000.00	12,000.00	12,016.76	11,999.00	26.83	26.92	-93.57	-30.28	-485.56	486.50	433.81	52.69	9.233	
12,100.00	12,100.00	12,116.76	12,099.00	27.06	27.13	-93.57	-30.28	-485.56	486.50	433.37	53.13	9.156	
12,200.00	12,200.00	12,216.76	12,199.00	27.28	27.34	-93.57	-30.28	-485.56	486.50	432.93	53.58	9.081	
12,300.00	12,300.00	12,310.52	12,292.29	27.51	27.52	-94.48	-38.04	-485.54	487.07	433.09	53.98	9.023	

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
 Project: Lea County, NM (NAD-83)
 Reference Site: Seawolf 1-12 Fed
 Site Error: 0.00 usft
 Reference Well: 95H
 Well Error: 0.00 usft
 Reference Wellbore: OH
 Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
 TVD Reference: 3325.7' GE @ 3349.20usft
 MD Reference: 3325.7' GE @ 3349.20usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Output errors are at: 2.00 sigma
 Database: EDM 5000.1 Single User Db
 Offset TVD Reference: Offset Datum

Offset Design Seawolf 1-12 Fed - 85H - 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 Tooface (")	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)					
12,400.00	12,399.80	12,400.00	12,378.30	27.70	27.68	82.62	-62.24	-485.47	489.32	435.00	54.32	9.008	
12,500.00	12,496.76	12,483.94	12,453.57	27.87	27.83	80.20	-99.15	-485.38	492.21	437.63	54.58	9.018	
12,600.00	12,586.67	12,566.57	12,520.24	28.02	27.99	78.14	-147.79	-485.25	495.16	440.39	54.78	9.039	
12,700.00	12,665.61	12,647.42	12,576.41	28.18	28.16	76.53	-205.81	-485.09	497.73	442.79	54.95	9.059	
12,800.00	12,730.11	12,725.00	12,620.39	28.40	28.35	75.42	-269.62	-484.92	499.54	444.37	55.17	9.055	
12,900.00	12,777.37	12,805.83	12,654.59	28.70	28.60	74.80	-342.75	-484.73	500.30	444.73	55.57	9.003	
13,000.00	12,805.31	12,884.31	12,675.55	29.08	28.90	74.71	-418.29	-484.52	499.87	443.64	56.23	8.890	
13,100.00	12,812.96	12,962.89	12,683.87	29.54	29.26	75.10	-496.33	-484.32	498.30	441.14	57.16	8.718	
13,200.00	12,813.12	13,059.55	12,683.83	30.09	29.79	75.06	-593.00	-484.06	497.54	439.30	58.25	8.542	
13,300.00	12,813.28	13,159.55	12,683.62	30.75	30.44	74.99	-692.99	-483.79	496.83	437.31	59.53	8.346	
13,400.00	12,813.43	13,259.54	12,683.41	31.49	31.19	74.93	-792.99	-483.52	496.12	435.14	60.98	8.135	
13,500.00	12,813.59	13,359.54	12,683.20	32.32	32.02	74.86	-892.98	-483.26	495.42	432.81	62.61	7.913	
13,600.00	12,813.75	13,459.54	12,682.99	33.23	32.93	74.79	-992.98	-482.99	494.71	430.33	64.38	7.684	
13,700.00	12,813.90	13,559.53	12,682.78	34.22	33.91	74.73	-1,092.97	-482.72	494.00	427.71	66.30	7.451	
13,800.00	12,814.06	13,659.53	12,682.57	35.27	34.97	74.66	-1,192.97	-482.45	493.30	424.96	68.34	7.218	
13,900.00	12,814.22	13,759.52	12,682.36	36.38	36.08	74.59	-1,292.96	-482.19	492.59	422.10	70.50	6.988	
14,000.00	12,814.38	13,859.52	12,682.15	37.54	37.25	74.53	-1,392.96	-481.92	491.89	419.13	72.76	6.760	
14,100.00	12,814.53	13,959.52	12,681.94	38.76	38.47	74.46	-1,492.95	-481.65	491.18	416.07	75.12	6.539	
14,200.00	12,814.69	14,059.51	12,681.74	40.02	39.74	74.39	-1,592.95	-481.39	490.48	412.92	77.56	6.324	
14,300.00	12,814.85	14,159.51	12,681.53	41.33	41.04	74.32	-1,692.95	-481.12	489.78	409.69	80.09	6.115	
14,400.00	12,815.00	14,259.50	12,681.32	42.67	42.39	74.26	-1,792.94	-480.85	489.08	406.40	82.68	5.915	
14,500.00	12,815.16	14,359.50	12,681.11	44.04	43.77	74.19	-1,892.94	-480.58	488.38	403.04	85.34	5.723	
14,600.00	12,815.32	14,459.50	12,680.90	45.45	45.19	74.12	-1,992.93	-480.32	487.68	399.62	88.06	5.538	
14,700.00	12,815.48	14,559.49	12,680.69	46.89	46.63	74.05	-2,092.93	-480.05	486.98	396.15	90.83	5.361	
14,800.00	12,815.63	14,659.49	12,680.48	48.35	48.09	73.98	-2,192.92	-479.78	486.28	392.63	93.65	5.193	
14,900.00	12,815.79	14,759.48	12,680.27	49.84	49.58	73.92	-2,292.92	-479.52	485.58	389.07	96.51	5.031	
15,000.00	12,815.95	14,859.48	12,680.06	51.34	51.10	73.85	-2,392.91	-479.25	484.88	385.47	99.41	4.878	
15,100.00	12,816.10	14,959.47	12,679.85	52.87	52.63	73.78	-2,492.91	-478.98	484.19	381.84	102.35	4.731	
15,200.00	12,816.26	15,059.47	12,679.64	54.41	54.18	73.71	-2,592.90	-478.72	483.49	378.18	105.31	4.591	
15,300.00	12,816.42	15,159.47	12,679.43	55.98	55.74	73.64	-2,692.90	-478.45	482.80	374.48	108.31	4.457	
15,400.00	12,816.58	15,259.46	12,679.22	57.55	57.33	73.57	-2,792.89	-478.18	482.10	370.76	111.34	4.330	
15,500.00	12,816.73	15,359.46	12,679.01	59.14	58.92	73.50	-2,892.89	-477.91	481.41	367.02	114.39	4.209	
15,600.00	12,816.89	15,459.45	12,678.81	60.75	60.53	73.43	-2,992.88	-477.65	480.72	363.25	117.46	4.093	
15,700.00	12,817.05	15,559.45	12,678.60	62.36	62.15	73.36	-3,092.88	-477.38	480.02	359.47	120.55	3.982	
15,800.00	12,817.20	15,659.45	12,678.39	63.99	63.78	73.29	-3,192.87	-477.11	479.33	355.67	123.67	3.876	
15,900.00	12,817.36	15,759.44	12,678.18	65.63	65.42	73.22	-3,292.87	-476.85	478.64	351.85	126.79	3.775	
16,000.00	12,817.52	15,859.44	12,677.97	67.27	67.07	73.15	-3,392.87	-476.58	477.95	348.01	129.94	3.678	
16,100.00	12,817.67	15,959.43	12,677.76	68.93	68.73	73.08	-3,492.86	-476.31	477.26	344.16	133.10	3.586	
16,200.00	12,817.83	16,059.43	12,677.55	70.59	70.40	73.01	-3,592.86	-476.04	476.57	340.30	136.27	3.497	
16,300.00	12,817.99	16,159.43	12,677.34	72.26	72.08	72.93	-3,692.85	-475.78	475.88	336.43	139.45	3.412	
16,400.00	12,818.15	16,259.42	12,677.13	73.94	73.76	72.86	-3,792.85	-475.51	475.20	332.55	142.65	3.331	
16,500.00	12,818.30	16,359.42	12,676.92	75.62	75.45	72.79	-3,892.84	-475.24	474.51	328.66	145.85	3.253	
16,600.00	12,818.46	16,459.41	12,676.71	77.32	77.14	72.72	-3,992.84	-474.98	473.83	324.76	149.07	3.179	
16,700.00	12,818.62	16,559.41	12,676.50	79.01	78.84	72.65	-4,092.83	-474.71	473.14	320.85	152.29	3.107	
16,800.00	12,818.77	16,659.40	12,676.29	80.71	80.55	72.57	-4,192.83	-474.44	472.46	316.93	155.52	3.038	
16,900.00	12,818.93	16,759.40	12,676.09	82.42	82.26	72.50	-4,292.82	-474.18	471.77	313.01	158.76	2.972	
17,000.00	12,819.09	16,859.40	12,675.88	84.13	83.97	72.43	-4,392.82	-473.91	471.09	309.08	162.01	2.908	
17,100.00	12,819.25	16,959.39	12,675.67	85.85	85.69	72.36	-4,492.81	-473.64	470.41	305.15	165.26	2.847	
17,200.00	12,819.40	17,059.39	12,675.46	87.57	87.42	72.28	-4,592.81	-473.37	469.73	301.21	168.51	2.787	
17,300.00	12,819.56	17,159.38	12,675.25	89.29	89.15	72.21	-4,692.80	-473.11	469.05	297.27	171.77	2.731	
17,400.00	12,819.72	17,259.38	12,675.04	91.02	90.88	72.13	-4,792.80	-472.84	468.37	293.33	175.04	2.676	
17,500.00	12,819.87	17,359.38	12,674.83	92.75	92.61	72.06	-4,892.79	-472.57	467.69	289.38	178.31	2.623	

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
 Project: Lea County, NM (NAD-83)
 Reference Site: Seawolf 1-12 Fed
 Site Error: 0.00 usft
 Reference Well: 95H
 Well Error: 0.00 usft
 Reference Wellbore: OH
 Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
 TVD Reference: 3325.7' GE @ 3349.20usft
 MD Reference: 3325.7' GE @ 3349.20usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Output errors are at 2.00 sigma
 Database: EDM 5000.1 Single User Db
 Offset TVD Reference: Offset Datum

Offset Design Seawolf 1-12 Fed - 85H - 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 Toolface (°)	Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)				
17,600.00	12,820.03	17,459.37	12,674.62	94.49	94.35	71.99	-4,992.79	-472.31	467.01	285.43	181.58	2.572
17,700.00	12,820.19	17,559.37	12,674.41	96.23	96.09	71.91	-5,092.79	-472.04	466.33	281.48	184.86	2.523
17,800.00	12,820.34	17,659.36	12,674.20	97.97	97.84	71.84	-5,192.78	-471.77	465.66	277.52	188.14	2.475
17,900.00	12,820.50	17,759.36	12,673.99	99.71	99.59	71.76	-5,292.78	-471.50	464.98	273.56	191.42	2.429
18,000.00	12,820.66	17,859.36	12,673.78	101.46	101.34	71.69	-5,392.77	-471.24	464.31	269.61	194.70	2.385
18,100.00	12,820.82	17,959.35	12,673.57	103.21	103.09	71.61	-5,492.77	-470.97	463.63	265.65	197.99	2.342
18,200.00	12,820.97	18,059.35	12,673.37	104.96	104.84	71.54	-5,592.76	-470.70	462.96	261.69	201.27	2.300
18,300.00	12,821.13	18,159.34	12,673.16	106.72	106.60	71.46	-5,692.76	-470.44	462.29	257.72	204.56	2.260
18,400.00	12,821.29	18,259.34	12,672.95	108.47	108.36	71.39	-5,792.75	-470.17	461.61	253.76	207.85	2.221
18,500.00	12,821.44	18,359.33	12,672.74	110.23	110.12	71.31	-5,892.75	-469.90	460.94	249.80	211.14	2.183
18,600.00	12,821.60	18,459.33	12,672.53	111.99	111.89	71.23	-5,992.74	-469.63	460.27	245.84	214.43	2.146
18,700.00	12,821.76	18,559.33	12,672.32	113.75	113.65	71.16	-6,092.74	-469.37	459.60	241.88	217.73	2.111
18,800.00	12,821.92	18,659.32	12,672.11	115.52	115.42	71.08	-6,192.73	-469.10	458.94	237.92	221.02	2.076
18,900.00	12,822.07	18,759.32	12,671.90	117.28	117.19	71.00	-6,292.73	-468.83	458.27	233.96	224.31	2.043
19,000.00	12,822.23	18,859.31	12,671.69	119.05	118.96	70.92	-6,392.72	-468.57	457.60	230.00	227.60	2.011
19,100.00	12,822.39	18,959.31	12,671.48	120.82	120.73	70.85	-6,492.72	-468.30	456.94	226.04	230.90	1.979
19,200.00	12,822.54	19,059.31	12,671.27	122.59	122.50	70.77	-6,592.71	-468.03	456.27	222.08	234.19	1.948
19,300.00	12,822.70	19,159.30	12,671.06	124.36	124.28	70.69	-6,692.71	-467.77	455.61	218.13	237.48	1.919
19,400.00	12,822.86	19,259.30	12,670.85	126.14	126.06	70.61	-6,792.71	-467.50	454.94	214.17	240.77	1.890
19,500.00	12,823.02	19,359.29	12,670.64	127.91	127.83	70.54	-6,892.70	-467.23	454.28	210.22	244.06	1.861
19,600.00	12,823.17	19,459.29	12,670.44	129.69	129.61	70.46	-6,992.70	-466.96	453.62	206.27	247.35	1.834
19,700.00	12,823.33	19,559.28	12,670.23	131.46	131.39	70.38	-7,092.69	-466.70	452.96	202.32	250.64	1.807
19,800.00	12,823.49	19,659.28	12,670.02	133.24	133.17	70.30	-7,192.69	-466.43	452.30	198.37	253.92	1.781
19,900.00	12,823.64	19,759.28	12,669.81	135.02	134.96	70.22	-7,292.68	-466.16	451.64	194.43	257.21	1.756
20,000.00	12,823.80	19,859.27	12,669.60	136.80	136.74	70.14	-7,392.68	-465.90	450.98	190.49	260.49	1.731
20,100.00	12,823.96	19,959.27	12,669.39	138.58	138.53	70.06	-7,492.67	-465.63	450.32	186.55	263.77	1.707
20,200.00	12,824.11	20,059.26	12,669.18	140.37	140.31	69.98	-7,592.67	-465.36	449.67	182.61	267.06	1.684
20,300.00	12,824.27	20,159.26	12,668.97	142.15	142.10	69.90	-7,692.66	-465.09	449.01	178.68	270.33	1.661
20,400.00	12,824.43	20,259.26	12,668.76	143.93	143.88	69.82	-7,792.66	-464.83	448.36	174.75	273.61	1.639
20,500.00	12,824.59	20,359.25	12,668.55	145.72	145.67	69.74	-7,892.65	-464.56	447.70	170.82	276.89	1.617
20,600.00	12,824.74	20,459.25	12,668.34	147.51	147.46	69.66	-7,992.65	-464.29	447.05	166.89	280.16	1.596
20,700.00	12,824.90	20,559.24	12,668.13	149.29	149.25	69.58	-8,092.64	-464.03	446.40	162.97	283.43	1.575
20,800.00	12,825.06	20,659.24	12,667.92	151.08	151.04	69.49	-8,192.64	-463.76	445.75	159.05	286.70	1.555
20,900.00	12,825.21	20,759.24	12,667.72	152.87	152.83	69.41	-8,292.63	-463.49	445.10	155.13	289.96	1.535
21,000.00	12,825.37	20,859.23	12,667.51	154.66	154.63	69.33	-8,392.63	-463.22	444.45	151.22	293.23	1.516
21,100.00	12,825.53	20,959.23	12,667.30	156.45	156.42	69.25	-8,492.63	-462.96	443.80	147.31	296.49	1.497 Level 3
21,200.00	12,825.69	21,059.22	12,667.09	158.24	158.21	69.17	-8,592.62	-462.69	443.15	143.40	299.75	1.478 Level 3
21,300.00	12,825.84	21,159.22	12,666.88	160.03	160.01	69.08	-8,692.62	-462.42	442.50	139.50	303.00	1.460 Level 3
21,400.00	12,826.00	21,259.21	12,666.67	161.83	161.80	69.00	-8,792.61	-462.16	441.86	135.60	306.26	1.443 Level 3
21,500.00	12,826.16	21,359.21	12,666.46	163.62	163.60	68.92	-8,892.61	-461.89	441.21	131.71	309.51	1.426 Level 3
21,600.00	12,826.31	21,459.21	12,666.25	165.41	165.39	68.83	-8,992.60	-461.62	440.57	127.81	312.76	1.409 Level 3
21,700.00	12,826.47	21,559.20	12,666.04	167.21	167.19	68.75	-9,092.60	-461.36	439.93	123.93	316.00	1.392 Level 3
21,800.00	12,826.63	21,659.20	12,665.83	169.00	168.99	68.67	-9,192.59	-461.09	439.29	120.04	319.24	1.376 Level 3
21,900.00	12,826.79	21,759.19	12,665.62	170.80	170.79	68.58	-9,292.59	-460.82	438.64	116.16	322.48	1.360 Level 3
22,000.00	12,826.94	21,859.19	12,665.41	172.59	172.59	68.50	-9,392.58	-460.55	438.00	112.29	325.71	1.345 Level 3
22,100.00	12,827.10	21,959.19	12,665.20	174.39	174.38	68.41	-9,492.58	-460.29	437.37	108.42	328.95	1.330 Level 3
22,200.00	12,827.26	22,059.18	12,665.00	176.18	176.18	68.33	-9,592.57	-460.02	436.73	104.55	332.18	1.315 Level 3
22,300.00	12,827.41	22,159.18	12,664.79	177.98	177.98	68.24	-9,692.57	-459.75	436.09	100.69	335.40	1.300 Level 3
22,400.00	12,827.57	22,259.17	12,664.58	179.78	179.78	68.16	-9,792.56	-459.49	435.45	96.83	338.62	1.286 Level 3
22,500.00	12,827.73	22,359.17	12,664.37	181.58	181.58	68.07	-9,892.56	-459.22	434.82	92.98	341.84	1.272 Level 3
22,600.00	12,827.88	22,459.17	12,664.16	183.38	183.39	67.99	-9,992.56	-458.95	434.18	89.13	345.05	1.258 Level 3
22,673.56	12,828.00	22,532.72	12,664.00	184.70	184.71	67.92	-10,066.11	-458.75	433.72	86.30	347.42	1.248 Level 2, SF

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
Project: Lea County, NM (NAD-83)
Reference Site: Seawolf 1-12 Fed
Site Error: 0.00 usft
Reference Well: 95H
Well Error: 0.00 usft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
TVD Reference: 3325.7' GE @ 3349.20usft
MD Reference: 3325.7' GE @ 3349.20usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: EDM 5000.1 Single User Db
Offset TVD Reference: Offset Datum

LEAM Drilling Systems LLC

Anticollision Report

Company: DEVON ENERGY
 Project: Lea County, NM (NAD-83)
 Reference Site: Seawolf 1-12 Fed
 Site Error: 0.00 usft
 Reference Well: 95H
 Well Error: 0.00 usft
 Reference Wellbore: OH
 Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
 TVD Reference: 3325.7' GE @ 3349.20usft
 MD Reference: 3325.7' GE @ 3349.20usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Output errors are at: 2.00 sigma
 Database: EDM 5000.1 Single User Db
 Offset TVD Reference: Offset Datum

Offset Design Seawolf 1-12 Fed - 86H - 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 Toolface (°)	Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+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	179.54	-29.99	0.24	30.00				
100.00	100.00	99.20	99.20	0.09	0.09	179.54	-29.99	0.24	29.99	29.82	0.17	175.121	
200.00	200.00	199.20	199.20	0.31	0.31	179.54	-29.99	0.24	29.99	29.37	0.62	48.397	
300.00	300.00	299.20	299.20	0.54	0.53	179.54	-29.99	0.24	29.99	28.92	1.07	28.050	
400.00	400.00	399.20	399.20	0.76	0.76	179.54	-29.99	0.24	29.99	28.47	1.52	19.747	
500.00	500.00	499.20	499.20	0.99	0.98	179.54	-29.99	0.24	29.99	28.02	1.97	15.237	
600.00	600.00	599.20	599.20	1.21	1.21	179.54	-29.99	0.24	29.99	27.57	2.42	12.404	
700.00	700.00	699.20	699.20	1.43	1.43	179.54	-29.99	0.24	29.99	27.12	2.87	10.460	
800.00	800.00	799.20	799.20	1.66	1.66	179.54	-29.99	0.24	29.99	26.67	3.32	9.042	
900.00	900.00	899.20	899.20	1.88	1.88	179.54	-29.99	0.24	29.99	26.22	3.77	7.963	
1,000.00	1,000.00	999.20	999.20	2.11	2.11	179.54	-29.99	0.24	29.99	25.78	4.22	7.114	
1,100.00	1,100.00	1,099.20	1,099.20	2.33	2.33	179.54	-29.99	0.24	29.99	25.33	4.67	6.428	
1,200.00	1,200.00	1,199.20	1,199.20	2.56	2.56	179.54	-29.99	0.24	29.99	24.88	5.12	5.863	
1,300.00	1,300.00	1,299.20	1,299.20	2.78	2.78	179.54	-29.99	0.24	29.99	24.43	5.56	5.390	
1,400.00	1,400.00	1,399.20	1,399.20	3.01	3.01	179.54	-29.99	0.24	29.99	23.98	6.01	4.987	
1,500.00	1,500.00	1,499.20	1,499.20	3.23	3.23	179.54	-29.99	0.24	29.99	23.53	6.46	4.640	
1,600.00	1,600.00	1,599.20	1,599.20	3.46	3.46	179.54	-29.99	0.24	29.99	23.08	6.91	4.338	
1,700.00	1,700.00	1,699.20	1,699.20	3.68	3.68	179.54	-29.99	0.24	29.99	22.63	7.36	4.073	
1,800.00	1,800.00	1,799.20	1,799.20	3.91	3.91	179.54	-29.99	0.24	29.99	22.18	7.81	3.839	
1,900.00	1,900.00	1,899.20	1,899.20	4.13	4.13	179.54	-29.99	0.24	29.99	21.73	8.26	3.630	
2,000.00	2,000.00	1,999.20	1,999.20	4.36	4.35	179.54	-29.99	0.24	29.99	21.28	8.71	3.443	
2,100.00	2,100.00	2,099.20	2,099.20	4.58	4.58	179.54	-29.99	0.24	29.99	20.83	9.16	3.274	
2,200.00	2,200.00	2,199.20	2,199.20	4.81	4.80	179.54	-29.99	0.24	29.99	20.38	9.61	3.121	
2,300.00	2,300.00	2,299.20	2,299.20	5.03	5.03	179.54	-29.99	0.24	29.99	19.93	10.06	2.981	
2,400.00	2,400.00	2,399.20	2,399.20	5.26	5.25	179.54	-29.99	0.24	29.99	19.48	10.51	2.854	
2,500.00	2,500.00	2,499.20	2,499.20	5.48	5.48	179.54	-29.99	0.24	29.99	19.03	10.96	2.737	
2,600.00	2,600.00	2,599.20	2,599.20	5.71	5.70	179.54	-29.99	0.24	29.99	18.58	11.41	2.629	
2,700.00	2,700.00	2,699.20	2,699.20	5.93	5.93	179.54	-29.99	0.24	29.99	18.13	11.86	2.529	
2,800.00	2,800.00	2,799.20	2,799.20	6.15	6.15	179.54	-29.99	0.24	29.99	17.68	12.31	2.437	
2,900.00	2,900.00	2,899.20	2,899.20	6.38	6.38	179.54	-29.99	0.24	29.99	17.23	12.76	2.351	
3,000.00	3,000.00	2,999.20	2,999.20	6.60	6.60	179.54	-29.99	0.24	29.99	16.78	13.21	2.271	
3,100.00	3,100.00	3,099.20	3,099.20	6.83	6.83	179.54	-29.99	0.24	29.99	16.33	13.66	2.196	
3,200.00	3,200.00	3,199.20	3,199.20	7.05	7.05	179.54	-29.99	0.24	29.99	15.89	14.11	2.126	
3,300.00	3,300.00	3,299.20	3,299.20	7.28	7.28	179.54	-29.99	0.24	29.99	15.44	14.56	2.061	
3,400.00	3,400.00	3,399.20	3,399.20	7.50	7.50	179.54	-29.99	0.24	29.99	14.99	15.00	1.999	
3,500.00	3,500.00	3,499.20	3,499.20	7.73	7.73	179.54	-29.99	0.24	29.99	14.54	15.45	1.941 CC	
3,510.14	3,510.14	3,509.34	3,509.34	7.75	7.75	179.53	-29.99	0.25	29.99	14.49	15.50	1.935	
3,600.00	3,600.00	3,599.19	3,599.18	7.95	7.94	177.90	-29.99	1.10	30.01	14.12	15.89	1.889	
3,700.00	3,700.00	3,699.11	3,699.07	8.18	8.13	172.97	-29.99	3.70	30.22	13.91	16.31	1.852 ES	
3,800.00	3,800.00	3,798.92	3,798.78	8.40	8.34	165.00	-29.99	8.04	31.05	14.31	16.74	1.855	
3,900.00	3,900.00	3,898.54	3,898.22	8.63	8.54	154.83	-29.99	14.10	33.15	15.99	17.16	1.931	
4,000.00	4,000.00	3,997.92	3,997.30	8.85	8.75	143.91	-29.99	21.86	37.16	19.57	17.59	2.113	
4,100.00	4,100.00	4,097.53	4,096.53	9.08	8.96	134.48	-29.99	30.54	42.89	24.87	18.02	2.380	
4,200.00	4,200.00	4,197.15	4,195.77	9.30	9.17	127.40	-29.99	39.23	49.50	31.05	18.45	2.683	
4,300.00	4,300.00	4,296.77	4,295.01	9.53	9.39	122.05	-29.99	47.91	56.68	37.80	18.88	3.003	
4,400.00	4,400.00	4,396.39	4,394.25	9.75	9.61	117.92	-29.99	56.59	64.24	44.93	19.30	3.328	
4,500.00	4,500.00	4,496.01	4,493.49	9.98	9.84	114.68	-29.99	65.27	72.06	52.32	19.74	3.651	
4,600.00	4,600.00	4,595.63	4,592.73	10.20	10.06	112.07	-29.99	73.96	80.07	59.90	20.17	3.970	
4,700.00	4,700.00	4,695.25	4,691.97	10.43	10.29	109.95	-29.99	82.64	88.21	67.61	20.60	4.282	
4,800.00	4,800.00	4,794.87	4,791.21	10.65	10.52	108.18	-29.99	91.32	96.45	75.42	21.03	4.586	
4,900.00	4,900.00	4,894.49	4,890.45	10.87	10.75	106.69	-29.99	100.00	104.77	83.30	21.47	4.881	
5,000.00	5,000.00	4,994.11	4,989.69	11.10	10.99	105.43	-29.99	108.69	113.15	91.25	21.90	5.166	

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
 Project: Lea County, NM (NAD-83)
 Reference Site: Seawolf 1-12 Fed
 Site Error: 0.00 usft
 Reference Well: 95H
 Well Error: 0.00 usft
 Reference Wellbore: OH
 Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
 TVD Reference: 3325.7' GE @ 3349.20usft
 MD Reference: 3325.7' GE @ 3349.20usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Output errors are at: 2.00 sigma
 Database: EDM 5000.1 Single User Db
 Offset TVD Reference: Offset Datum

Offset Design Seawolf 1-12 Fed - 86H - 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 Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,100.00	5,100.00	5,093.73	5,088.93	11.32	11.22	104.33	-29.99	117.37	121.57	99.24	22.34	5.442		
5,200.00	5,200.00	5,193.35	5,188.17	11.55	11.46	103.38	-29.99	126.05	130.04	107.26	22.78	5.710		
5,300.00	5,300.00	5,292.97	5,287.41	11.77	11.70	102.55	-29.99	134.73	138.53	115.32	23.21	5.968		
5,400.00	5,400.00	5,392.59	5,386.65	12.00	11.94	101.81	-29.99	143.42	147.05	123.40	23.65	6.218		
5,500.00	5,500.00	5,492.21	5,485.89	12.22	12.18	101.15	-29.99	152.10	155.60	131.51	24.09	6.459		
5,600.00	5,600.00	5,591.83	5,585.13	12.45	12.42	100.57	-29.99	160.78	164.16	139.63	24.53	6.692		
5,700.00	5,700.00	5,691.44	5,684.37	12.67	12.67	100.04	-29.99	169.46	172.73	147.76	24.97	6.917		
5,800.00	5,800.00	5,791.06	5,783.61	12.90	12.91	99.56	-29.99	178.15	181.32	155.91	25.41	7.135		
5,900.00	5,900.00	5,890.68	5,882.85	13.12	13.16	99.12	-29.99	186.83	189.92	164.07	25.85	7.346		
6,000.00	6,000.00	5,990.30	5,982.10	13.35	13.41	98.72	-29.99	195.51	198.54	172.24	26.30	7.550		
6,100.00	6,100.00	6,089.92	6,081.34	13.57	13.66	98.36	-29.99	204.19	207.15	180.42	26.74	7.748		
6,200.00	6,200.00	6,189.54	6,180.58	13.80	13.91	98.02	-29.99	212.88	215.78	188.60	27.18	7.939		
6,300.00	6,300.00	6,289.16	6,279.82	14.02	14.16	97.71	-29.99	221.56	224.42	196.79	27.62	8.124		
6,400.00	6,400.00	6,388.78	6,379.06	14.25	14.41	97.42	-29.99	230.24	233.06	204.99	28.07	8.303		
6,500.00	6,500.00	6,488.40	6,478.30	14.47	14.66	97.15	-29.99	238.92	241.70	213.19	28.51	8.477		
6,600.00	6,600.00	6,588.02	6,577.54	14.70	14.91	96.91	-29.99	247.60	250.35	221.40	28.96	8.646		
6,700.00	6,700.00	6,687.64	6,676.78	14.92	15.17	96.67	-29.99	256.29	259.01	229.61	29.40	8.809		
6,800.00	6,800.00	6,787.26	6,776.02	15.15	15.42	96.46	-29.99	264.97	267.67	237.82	29.85	8.968		
6,900.00	6,900.00	6,886.88	6,875.26	15.37	15.68	96.25	-29.99	273.65	276.33	246.04	30.29	9.122		
7,000.00	7,000.00	6,986.50	6,974.50	15.59	15.93	96.06	-29.99	282.33	285.00	254.26	30.74	9.271		
7,100.00	7,100.00	7,086.12	7,073.74	15.82	16.19	95.88	-29.99	291.02	293.66	262.48	31.19	9.416		
7,200.00	7,200.00	7,185.74	7,172.98	16.04	16.44	95.71	-29.99	299.70	302.34	270.70	31.63	9.557		
7,300.00	7,300.00	7,285.36	7,272.22	16.27	16.70	95.55	-29.99	308.38	311.01	278.93	32.08	9.695		
7,400.00	7,400.00	7,384.98	7,371.46	16.49	16.96	95.40	-29.99	317.06	319.69	287.16	32.53	9.828		
7,500.00	7,500.00	7,484.60	7,470.70	16.72	17.22	95.26	-29.99	325.75	328.36	295.39	32.98	9.958		
7,600.00	7,600.00	7,584.21	7,569.94	16.94	17.47	95.12	-29.99	334.43	337.04	303.62	33.42	10.084		
7,700.00	7,700.00	7,683.83	7,669.18	17.17	17.73	95.00	-29.99	343.11	345.73	311.85	33.87	10.207		
7,800.00	7,800.00	7,783.45	7,768.42	17.39	17.99	94.87	-29.99	351.79	354.41	320.09	34.32	10.326		
7,900.00	7,900.00	7,883.07	7,867.66	17.62	18.25	94.76	-29.99	360.48	363.09	328.33	34.77	10.443		
8,000.00	8,000.00	7,982.69	7,966.90	17.84	18.51	94.64	-29.99	369.16	371.78	336.56	35.22	10.557		
8,100.00	8,100.00	8,082.31	8,066.14	18.07	18.77	94.54	-29.99	377.84	380.47	344.80	35.67	10.667		
8,200.00	8,200.00	8,181.93	8,165.38	18.29	19.03	94.44	-29.99	386.52	389.16	353.04	36.12	10.775		
8,300.00	8,300.00	8,281.55	8,264.62	18.52	19.29	94.34	-29.99	395.21	397.85	361.28	36.57	10.880		
8,400.00	8,400.00	8,381.15	8,366.86	18.74	19.54	94.25	-29.99	403.84	406.24	369.23	37.01	10.977		
8,500.00	8,500.00	8,480.75	8,469.97	18.97	19.76	94.17	-29.99	411.63	413.76	376.32	37.43	11.053		
8,600.00	8,600.00	8,591.09	8,573.28	19.19	19.97	94.10	-29.99	418.50	420.37	382.52	37.86	11.105		
8,700.00	8,700.00	8,694.75	8,676.76	19.42	20.18	94.04	-29.99	424.44	426.09	387.81	38.28	11.131		
8,800.00	8,800.00	8,798.50	8,780.39	19.64	20.39	93.99	-29.99	429.45	430.90	392.20	38.70	11.134		
8,900.00	8,900.00	8,902.34	8,884.15	19.87	20.59	93.96	-29.99	433.52	434.82	395.69	39.12	11.114		
9,000.00	9,000.00	9,006.24	8,988.00	20.09	20.79	93.93	-29.99	436.65	437.83	398.28	39.55	11.071		
9,100.00	9,100.00	9,110.19	9,091.93	20.31	20.99	93.91	-29.99	438.85	439.93	399.96	39.97	11.007		
9,200.00	9,200.00	9,214.17	9,195.90	20.54	21.18	93.90	-29.99	440.10	441.13	400.74	40.39	10.921		
9,300.00	9,300.00	9,317.47	9,299.20	20.76	21.36	93.90	-29.99	440.42	441.44	400.63	40.81	10.816		
9,400.00	9,400.00	9,417.47	9,399.20	20.99	21.55	93.90	-29.99	440.42	441.44	400.20	41.24	10.703		
9,500.00	9,500.00	9,517.47	9,499.20	21.21	21.76	93.90	-29.99	440.42	441.44	399.76	41.68	10.591		
9,600.00	9,600.00	9,617.47	9,599.20	21.44	21.96	93.90	-29.99	440.42	441.44	399.32	42.12	10.481		
9,700.00	9,700.00	9,717.47	9,699.20	21.66	22.16	93.90	-29.99	440.42	441.44	398.88	42.56	10.373		
9,800.00	9,800.00	9,817.47	9,799.20	21.89	22.37	93.90	-29.99	440.42	441.44	398.44	43.00	10.267		
9,900.00	9,900.00	9,917.47	9,899.20	22.11	22.57	93.90	-29.99	440.42	441.44	398.00	43.44	10.163		
10,000.00	10,000.00	10,017.47	9,999.20	22.34	22.78	93.90	-29.99	440.42	441.44	397.57	43.87	10.061		
10,100.00	10,100.00	10,117.47	10,099.20	22.56	22.98	93.90	-29.99	440.42	441.44	397.13	44.31	9.962		
10,200.00	10,200.00	10,217.47	10,199.20	22.79	23.19	93.90	-29.99	440.42	441.44	396.69	44.75	9.864		

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
Project: Lea County, NM (NAD-83)
Reference Site: Seawolf 1-12 Fed
Site Error: 0.00 usft
Reference Well: 95H
Well Error: 0.00 usft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
TVD Reference: 3325.7' GE @ 3349.20usft
MD Reference: 3325.7' GE @ 3349.20usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: EDM 5000.1 Single User Db
Offset TVD Reference: Offset Datum

Offset Design Seawolf 1-12 Fed - 86H - 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		
10,300.00	10,300.00	10,317.47	10,299.20	23.01	23.39	93.90	-29.99	440.42	441.44	396.25	45.19	9.768		
10,400.00	10,400.00	10,417.47	10,399.20	23.24	23.60	93.90	-29.99	440.42	441.44	395.81	45.63	9.674		
10,500.00	10,500.00	10,517.47	10,499.20	23.46	23.81	93.90	-29.99	440.42	441.44	395.37	46.07	9.581		
10,600.00	10,600.00	10,617.47	10,599.20	23.69	24.01	93.90	-29.99	440.42	441.44	394.93	46.51	9.490		
10,700.00	10,700.00	10,717.47	10,699.20	23.91	24.22	93.90	-29.99	440.42	441.44	394.48	46.95	9.401		
10,800.00	10,800.00	10,817.47	10,799.20	24.14	24.43	93.90	-29.99	440.42	441.44	394.04	47.40	9.314		
10,900.00	10,900.00	10,917.47	10,899.20	24.36	24.64	93.90	-29.99	440.42	441.44	393.60	47.84	9.228		
11,000.00	11,000.00	11,017.47	10,999.20	24.59	24.85	93.90	-29.99	440.42	441.44	393.16	48.28	9.144		
11,100.00	11,100.00	11,117.47	11,099.20	24.81	25.05	93.90	-29.99	440.42	441.44	392.72	48.72	9.061		
11,200.00	11,200.00	11,217.47	11,199.20	25.04	25.26	93.90	-29.99	440.42	441.44	392.28	49.16	8.980		
11,300.00	11,300.00	11,317.47	11,299.20	25.26	25.47	93.90	-29.99	440.42	441.44	391.84	49.60	8.900		
11,400.00	11,400.00	11,417.47	11,399.20	25.48	25.68	93.90	-29.99	440.42	441.44	391.40	50.04	8.821		
11,500.00	11,500.00	11,517.47	11,499.20	25.71	25.89	93.90	-29.99	440.42	441.44	390.95	50.49	8.744		
11,600.00	11,600.00	11,617.47	11,599.20	25.93	26.10	93.90	-29.99	440.42	441.44	390.51	50.93	8.668		
11,700.00	11,700.00	11,717.47	11,699.20	26.16	26.31	93.90	-29.99	440.42	441.44	390.07	51.37	8.593		
11,800.00	11,800.00	11,817.47	11,799.20	26.38	26.52	93.90	-29.99	440.42	441.44	389.63	51.81	8.520		
11,900.00	11,900.00	11,917.47	11,899.20	26.61	26.73	93.90	-29.99	440.42	441.44	389.19	52.25	8.448		
12,000.00	12,000.00	12,017.47	11,999.20	26.83	26.94	93.90	-29.99	440.42	441.44	388.74	52.70	8.377		
12,100.00	12,100.00	12,117.47	12,099.20	27.06	27.15	93.90	-29.99	440.42	441.44	388.30	53.14	8.307		
12,200.00	12,200.00	12,217.47	12,199.20	27.28	27.36	93.90	-29.99	440.42	441.44	387.86	53.58	8.239		
12,208.45	12,208.45	12,225.91	12,207.65	27.30	27.38	93.90	-29.99	440.42	441.44	387.82	53.62	8.233		
12,300.00	12,300.00	12,313.07	12,294.62	27.51	27.55	94.44	-34.18	440.42	441.77	387.77	54.00	8.181		
12,400.00	12,399.80	12,403.17	12,382.28	27.70	27.72	-83.61	-54.41	440.43	443.61	389.26	54.35	8.163		
12,500.00	12,496.76	12,490.39	12,462.07	27.87	27.88	-81.39	-89.33	440.45	446.13	391.51	54.63	8.167		
12,600.00	12,586.67	12,575.00	12,532.17	28.02	28.04	-79.53	-136.52	440.47	448.88	394.02	54.85	8.183		
12,700.00	12,665.61	12,659.07	12,592.50	28.18	28.22	-78.07	-194.92	440.50	451.46	396.40	55.07	8.198		
12,800.00	12,730.11	12,741.56	12,640.85	28.40	28.42	-77.07	-261.62	440.53	453.58	398.23	55.35	8.195		
12,900.00	12,777.37	12,825.00	12,677.36	28.70	28.68	-76.53	-336.54	440.56	454.98	399.19	55.80	8.155		
13,000.00	12,805.31	12,905.05	12,699.62	29.08	28.98	-76.48	-413.33	440.60	455.54	399.06	56.48	8.066		
13,098.98	12,814.31	12,986.04	12,708.80	29.53	29.36	-76.71	-493.70	440.63	455.61	398.22	57.39	7.938		
13,100.00	12,812.96	12,986.91	12,708.82	29.54	29.36	-76.88	-494.57	440.64	455.30	397.88	57.42	7.929		
13,200.00	12,813.12	13,083.79	12,708.73	30.09	29.90	-76.87	-591.45	440.68	455.95	397.44	58.51	7.793		
13,300.00	12,813.28	13,183.79	12,708.42	30.75	30.54	-76.83	-691.45	440.73	456.65	396.85	59.80	7.637		
13,400.00	12,813.43	13,283.79	12,708.11	31.49	31.28	-76.79	-791.44	440.77	457.35	396.09	61.26	7.465		
13,500.00	12,813.59	13,383.78	12,707.79	32.32	32.11	-76.75	-891.44	440.82	458.05	395.15	62.90	7.282		
13,600.00	12,813.75	13,483.78	12,707.48	33.23	33.02	-76.71	-991.44	440.87	458.76	394.07	64.69	7.092		
13,700.00	12,813.90	13,583.78	12,707.16	34.22	34.00	-76.67	-1,091.43	440.91	459.46	392.84	66.62	6.897		
13,800.00	12,814.06	13,683.77	12,706.85	35.27	35.05	-76.63	-1,191.43	440.96	460.16	391.49	68.68	6.700		
13,900.00	12,814.22	13,783.77	12,706.54	36.38	36.16	-76.59	-1,291.43	441.00	460.86	390.01	70.85	6.504		
14,000.00	12,814.38	13,883.77	12,706.22	37.54	37.32	-76.55	-1,391.42	441.05	461.57	388.43	73.14	6.311		
14,100.00	12,814.53	13,983.77	12,705.91	38.76	38.54	-76.51	-1,491.42	441.10	462.27	386.75	75.52	6.121		
14,200.00	12,814.69	14,083.76	12,705.59	40.02	39.80	-76.47	-1,591.42	441.14	462.98	384.98	77.99	5.936		
14,300.00	12,814.85	14,183.76	12,705.28	41.33	41.11	-76.43	-1,691.41	441.19	463.68	383.14	80.54	5.757		
14,400.00	12,815.00	14,283.76	12,704.97	42.67	42.45	-76.40	-1,791.41	441.24	464.39	381.22	83.17	5.584		
14,500.00	12,815.16	14,383.75	12,704.65	44.04	43.83	-76.36	-1,891.41	441.28	465.09	379.23	85.86	5.417		
14,600.00	12,815.32	14,483.75	12,704.34	45.45	45.24	-76.32	-1,991.40	441.33	465.79	377.19	88.61	5.257		
14,700.00	12,815.48	14,583.75	12,704.02	46.89	46.68	-76.28	-2,091.40	441.38	466.50	375.09	91.41	5.103		
14,800.00	12,815.63	14,683.75	12,703.71	48.35	48.14	-76.24	-2,191.39	441.42	467.21	372.94	94.27	4.956		
14,900.00	12,815.79	14,783.74	12,703.40	49.84	49.63	-76.20	-2,291.39	441.47	467.91	370.75	97.17	4.816		
15,000.00	12,815.95	14,883.74	12,703.08	51.34	51.14	-76.16	-2,391.39	441.51	468.62	368.51	100.10	4.681		
15,100.00	12,816.10	14,983.74	12,702.77	52.87	52.67	-76.13	-2,491.38	441.56	469.32	366.24	103.08	4.553		
15,200.00	12,816.26	15,083.73	12,702.45	54.41	54.22	-76.09	-2,591.38	441.61	470.03	363.94	106.09	4.430		

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
Project: Lea County, NM (NAD-83)
Reference Site: Seawolf 1-12 Fed
Site Error: 0.00 usft
Reference Well: 95H
Well Error: 0.00 usft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
TVD Reference: 3325.7' GE @ 3349.20usft
MD Reference: 3325.7' GE @ 3349.20usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: EDM 5000.1 Single User Db
Offset TVD Reference: Offset Datum

Offset Design Seawolf 1-12 Fed - 86H - 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 Toolface (°)	Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)					
15,300.00	12,816.42	15,183.73	12,702.14	55.98	55.78	-76.05	-2,691.38	441.65	470.74	361.60	109.13	4.313	
15,400.00	12,816.58	15,283.73	12,701.83	57.55	57.36	-76.01	-2,791.37	441.70	471.44	359.24	112.20	4.202	
15,500.00	12,816.73	15,383.72	12,701.51	59.14	58.95	-75.98	-2,891.37	441.75	472.15	356.85	115.30	4.095	
15,600.00	12,816.89	15,483.72	12,701.20	60.75	60.56	-75.94	-2,991.37	441.79	472.86	354.43	118.42	3.993	
15,700.00	12,817.05	15,583.72	12,700.89	62.36	62.18	-75.90	-3,091.36	441.84	473.56	352.00	121.56	3.896	
15,800.00	12,817.20	15,683.72	12,700.57	63.99	63.81	-75.86	-3,191.36	441.89	474.27	349.54	124.73	3.802	
15,900.00	12,817.36	15,783.71	12,700.26	65.63	65.45	-75.83	-3,291.36	441.93	474.98	347.07	127.91	3.713	
16,000.00	12,817.52	15,883.71	12,699.94	67.27	67.10	-75.79	-3,391.35	441.98	475.69	344.58	131.11	3.628	
16,100.00	12,817.67	15,983.71	12,699.63	68.93	68.75	-75.75	-3,491.35	442.02	476.39	342.07	134.32	3.547	
16,200.00	12,817.83	16,083.70	12,699.32	70.59	70.42	-75.72	-3,591.35	442.07	477.10	339.55	137.55	3.468	
16,300.00	12,817.99	16,183.70	12,699.00	72.26	72.09	-75.68	-3,691.34	442.12	477.81	337.01	140.80	3.394	
16,400.00	12,818.15	16,283.70	12,698.69	73.94	73.77	-75.64	-3,791.34	442.16	478.52	334.47	144.05	3.322	
16,500.00	12,818.30	16,383.69	12,698.37	75.62	75.46	-75.61	-3,891.34	442.21	479.23	331.91	147.32	3.253	
16,600.00	12,818.46	16,483.69	12,698.06	77.32	77.15	-75.57	-3,991.33	442.26	479.94	329.34	150.60	3.187	
16,700.00	12,818.62	16,583.69	12,697.75	79.01	78.85	-75.53	-4,091.33	442.30	480.65	326.76	153.89	3.123	
16,800.00	12,818.77	16,683.69	12,697.43	80.71	80.56	-75.50	-4,191.33	442.35	481.35	324.17	157.19	3.062	
16,900.00	12,818.93	16,783.68	12,697.12	82.42	82.27	-75.46	-4,291.32	442.40	482.06	321.57	160.50	3.004	
17,000.00	12,819.09	16,883.68	12,696.80	84.13	83.98	-75.43	-4,391.32	442.44	482.77	318.96	163.81	2.947	
17,100.00	12,819.25	16,983.68	12,696.49	85.85	85.70	-75.39	-4,491.31	442.49	483.48	316.35	167.14	2.893	
17,200.00	12,819.40	17,083.67	12,696.18	87.57	87.42	-75.35	-4,591.31	442.53	484.19	313.73	170.47	2.840	
17,300.00	12,819.56	17,183.67	12,695.86	89.29	89.15	-75.32	-4,691.31	442.58	484.90	311.10	173.80	2.790	
17,400.00	12,819.72	17,283.67	12,695.55	91.02	90.88	-75.28	-4,791.30	442.63	485.61	308.47	177.15	2.741	
17,500.00	12,819.87	17,383.66	12,695.23	92.75	92.61	-75.25	-4,891.30	442.67	486.33	305.83	180.50	2.694	
17,600.00	12,820.03	17,483.66	12,694.92	94.49	94.35	-75.21	-4,991.30	442.72	487.04	303.18	183.85	2.649	
17,700.00	12,820.19	17,583.66	12,694.61	96.23	96.09	-75.18	-5,091.29	442.77	487.75	300.53	187.21	2.605	
17,800.00	12,820.34	17,683.66	12,694.29	97.97	97.83	-75.14	-5,191.29	442.81	488.46	297.88	190.58	2.563	
17,900.00	12,820.50	17,783.65	12,693.98	99.71	99.58	-75.11	-5,291.29	442.86	489.17	295.22	193.95	2.522	
18,000.00	12,820.66	17,883.65	12,693.66	101.46	101.33	-75.07	-5,391.28	442.91	489.88	292.56	197.32	2.483	
18,100.00	12,820.82	17,983.65	12,693.35	103.21	103.08	-75.04	-5,491.28	442.95	490.59	289.89	200.70	2.444	
18,200.00	12,820.97	18,083.64	12,693.04	104.96	104.84	-75.00	-5,591.28	443.00	491.31	287.22	204.08	2.407	
18,300.00	12,821.13	18,183.64	12,692.72	106.72	106.59	-74.97	-5,691.27	443.04	492.02	284.55	207.47	2.372	
18,400.00	12,821.29	18,283.64	12,692.41	108.47	108.35	-74.93	-5,791.27	443.09	492.73	281.87	210.86	2.337	
18,500.00	12,821.44	18,383.64	12,692.09	110.23	110.11	-74.90	-5,891.27	443.14	493.44	279.20	214.25	2.303	
18,600.00	12,821.60	18,483.63	12,691.78	111.99	111.87	-74.87	-5,991.26	443.18	494.15	276.51	217.64	2.270	
18,700.00	12,821.76	18,583.63	12,691.47	113.75	113.64	-74.83	-6,091.26	443.23	494.87	273.83	221.04	2.239	
18,800.00	12,821.92	18,683.63	12,691.15	115.52	115.40	-74.80	-6,191.26	443.28	495.58	271.14	224.44	2.208	
18,900.00	12,822.07	18,783.62	12,690.84	117.28	117.17	-74.76	-6,291.25	443.32	496.29	268.45	227.84	2.178	
19,000.00	12,822.23	18,883.62	12,690.53	119.05	118.94	-74.73	-6,391.25	443.37	497.01	265.76	231.25	2.149	
19,100.00	12,822.39	18,983.62	12,690.21	120.82	120.71	-74.70	-6,491.25	443.41	497.72	263.07	234.65	2.121	
19,200.00	12,822.54	19,083.61	12,689.90	122.59	122.49	-74.66	-6,591.24	443.46	498.43	260.37	238.06	2.094	
19,300.00	12,822.70	19,183.61	12,689.58	124.36	124.26	-74.63	-6,691.24	443.51	499.15	257.68	241.47	2.067	
19,400.00	12,822.86	19,283.61	12,689.27	126.14	126.03	-74.59	-6,791.24	443.55	499.86	254.98	244.88	2.041	
19,500.00	12,823.02	19,383.61	12,688.96	127.91	127.81	-74.56	-6,891.23	443.60	500.58	252.28	248.30	2.016	
19,600.00	12,823.17	19,483.60	12,688.64	129.69	129.59	-74.53	-6,991.23	443.65	501.29	249.58	251.71	1.992	
19,700.00	12,823.33	19,583.60	12,688.33	131.46	131.37	-74.49	-7,091.22	443.69	502.01	246.87	255.13	1.968	
19,800.00	12,823.49	19,683.60	12,688.01	133.24	133.15	-74.46	-7,191.22	443.74	502.72	244.17	258.55	1.944	
19,900.00	12,823.64	19,783.59	12,687.70	135.02	134.93	-74.43	-7,291.22	443.79	503.43	241.47	261.97	1.922	
20,000.00	12,823.80	19,883.59	12,687.39	136.80	136.71	-74.40	-7,391.21	443.83	504.15	238.76	265.39	1.900	
20,100.00	12,823.96	19,983.59	12,687.07	138.58	138.50	-74.36	-7,491.21	443.88	504.87	236.05	268.81	1.878	
20,200.00	12,824.11	20,083.58	12,686.76	140.37	140.28	-74.33	-7,591.21	443.92	505.58	233.35	272.23	1.857	
20,300.00	12,824.27	20,183.58	12,686.44	142.15	142.07	-74.30	-7,691.20	443.97	506.30	230.64	275.66	1.837	
20,400.00	12,824.43	20,283.58	12,686.13	143.93	143.85	-74.26	-7,791.20	444.02	507.01	227.93	279.08	1.817	

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
 Project: Lea County, NM (NAD-83)
 Reference Site: Seawolf 1-12 Fed
 Site Error: 0.00 usft
 Reference Well: 95H
 Well Error: 0.00 usft
 Reference Wellbore: OH
 Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
 TVD Reference: 3325.7' GE @ 3349.20usft
 MD Reference: 3325.7' GE @ 3349.20usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Output errors are at: 2.00 sigma
 Database: EDM 5000.1 Single User Db
 Offset TVD Reference: Offset Datum

Offset Design Seawolf 1-12 Fed - 86H - OH - Plan #1													Offset Site Error: 0.00 usft
Survey Program: O-LEAM MWD-ADJ													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Tooface (")	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)					
20,500.00	12,824.59	20,383.58	12,685.82	145.72	145.64	-74.23	-7,891.20	444.06	507.73	225.22	282.51	1.797	
20,600.00	12,824.74	20,483.57	12,685.50	147.51	147.43	-74.20	-7,991.19	444.11	508.44	222.51	285.93	1.778	
20,700.00	12,824.90	20,583.57	12,685.19	149.29	149.22	-74.17	-8,091.19	444.16	509.16	219.80	289.36	1.760	
20,800.00	12,825.06	20,683.57	12,684.87	151.08	151.01	-74.14	-8,191.19	444.20	509.88	217.09	292.79	1.741	
20,900.00	12,825.21	20,783.56	12,684.56	152.87	152.80	-74.10	-8,291.18	444.25	510.59	214.38	296.22	1.724	
21,000.00	12,825.37	20,883.56	12,684.25	154.66	154.59	-74.07	-8,391.18	444.30	511.31	211.66	299.65	1.706	
21,100.00	12,825.53	20,983.56	12,683.93	156.45	156.38	-74.04	-8,491.18	444.34	512.03	208.95	303.08	1.689	
21,200.00	12,825.69	21,083.55	12,683.62	158.24	158.18	-74.01	-8,591.17	444.39	512.74	206.24	306.51	1.673	
21,300.00	12,825.84	21,183.55	12,683.30	160.03	159.97	-73.98	-8,691.17	444.43	513.46	203.52	309.94	1.657	
21,400.00	12,826.00	21,283.55	12,682.99	161.83	161.76	-73.94	-8,791.17	444.48	514.18	200.81	313.37	1.641	
21,500.00	12,826.16	21,383.55	12,682.68	163.62	163.56	-73.91	-8,891.16	444.53	514.90	198.10	316.80	1.625	
21,600.00	12,826.31	21,483.54	12,682.36	165.41	165.35	-73.88	-8,991.16	444.57	515.61	195.38	320.23	1.610	
21,700.00	12,826.47	21,583.54	12,682.05	167.21	167.15	-73.85	-9,091.16	444.62	516.33	192.67	323.66	1.595	
21,800.00	12,826.63	21,683.54	12,681.73	169.00	168.95	-73.82	-9,191.15	444.67	517.05	189.96	327.09	1.581	
21,900.00	12,826.79	21,783.53	12,681.42	170.80	170.74	-73.79	-9,291.15	444.71	517.77	187.24	330.52	1.567	
22,000.00	12,826.94	21,883.53	12,681.11	172.59	172.54	-73.76	-9,391.14	444.76	518.48	184.53	333.96	1.553	
22,100.00	12,827.10	21,983.53	12,680.79	174.39	174.34	-73.73	-9,491.14	444.81	519.20	181.82	337.39	1.539	
22,200.00	12,827.26	22,083.53	12,680.48	176.18	176.14	-73.69	-9,591.14	444.85	519.92	179.10	340.82	1.526	
22,300.00	12,827.41	22,183.52	12,680.17	177.98	177.94	-73.66	-9,691.13	444.90	520.64	176.39	344.25	1.512	
22,400.00	12,827.57	22,283.52	12,679.85	179.78	179.74	-73.63	-9,791.13	444.94	521.36	173.68	347.68	1.500 Level 3	
22,500.00	12,827.73	22,383.52	12,679.54	181.58	181.54	-73.60	-9,891.13	444.99	522.08	170.96	351.12	1.487 Level 3	
22,600.00	12,827.88	22,483.51	12,679.22	183.38	183.34	-73.57	-9,991.12	445.04	522.80	168.25	354.55	1.475 Level 3	
22,673.56	12,828.00	22,554.56	12,679.00	184.70	184.62	-73.55	-10,062.17	445.07	523.33	166.30	357.03	1.466 Level 3, SF	

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
 Project: Lea County, NM (NAD-83)
 Reference Site: Seawolf 1-12 Fed
 Site Error: 0.00 usft
 Reference Well: 95H
 Well Error: 0.00 usft
 Reference Wellbore: OH
 Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
 TVD Reference: 3325.7' GE @ 3349.20usft
 MD Reference: 3325.7' GE @ 3349.20usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Output errors are at: 2.00 sigma
 Database: EDM 5000.1 Single User Db
 Offset TVD Reference: Offset Datum

Offset Design Seawolf 1-12 Fed - 94H - OH - Plan #1													Offset Site Error: 0.00 usft
Survey Program: 0-LEAM MWD-ADJ													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Distance		Minimum		Separation		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-90.39	-0.34	-49.97	49.97				
100.00	100.00	99.70	99.70	0.09	0.09	-90.39	-0.34	-49.97	49.97	49.80	0.17	291.057	
200.00	200.00	199.70	199.70	0.31	0.31	-90.39	-0.34	-49.97	49.97	49.35	0.62	80.494	
300.00	300.00	299.70	299.70	0.54	0.53	-90.39	-0.34	-49.97	49.97	48.90	1.07	46.687	
400.00	400.00	399.70	399.70	0.76	0.76	-90.39	-0.34	-49.97	49.97	48.45	1.52	32.879	
500.00	500.00	499.70	499.70	0.99	0.98	-90.39	-0.34	-49.97	49.97	48.00	1.97	25.374	
600.00	600.00	599.70	599.70	1.21	1.21	-90.39	-0.34	-49.97	49.97	47.55	2.42	20.658	
700.00	700.00	699.70	699.70	1.43	1.43	-90.39	-0.34	-49.97	49.97	47.10	2.87	17.421	
800.00	800.00	799.70	799.70	1.66	1.66	-90.39	-0.34	-49.97	49.97	46.65	3.32	15.061	
900.00	900.00	899.70	899.70	1.88	1.88	-90.39	-0.34	-49.97	49.97	46.20	3.77	13.264	
1,000.00	1,000.00	999.70	999.70	2.11	2.11	-90.39	-0.34	-49.97	49.97	45.75	4.22	11.850	
1,100.00	1,100.00	1,099.70	1,099.70	2.33	2.33	-90.39	-0.34	-49.97	49.97	45.30	4.67	10.708	
1,200.00	1,200.00	1,199.70	1,199.70	2.56	2.56	-90.39	-0.34	-49.97	49.97	44.86	5.12	9.767	
1,300.00	1,300.00	1,299.70	1,299.70	2.78	2.78	-90.39	-0.34	-49.97	49.97	44.41	5.57	8.978	
1,400.00	1,400.00	1,399.70	1,399.70	3.01	3.01	-90.39	-0.34	-49.97	49.97	43.96	6.02	8.307	
1,500.00	1,500.00	1,499.70	1,499.70	3.23	3.23	-90.39	-0.34	-49.97	49.97	43.51	6.46	7.730	
1,600.00	1,600.00	1,599.70	1,599.70	3.46	3.46	-90.39	-0.34	-49.97	49.97	43.06	6.91	7.227	
1,700.00	1,700.00	1,699.70	1,699.70	3.68	3.68	-90.39	-0.34	-49.97	49.97	42.61	7.36	6.786	
1,800.00	1,800.00	1,799.70	1,799.70	3.91	3.91	-90.39	-0.34	-49.97	49.97	42.16	7.81	6.396	
1,900.00	1,900.00	1,899.70	1,899.70	4.13	4.13	-90.39	-0.34	-49.97	49.97	41.71	8.26	6.048	
2,000.00	2,000.00	1,999.70	1,999.70	4.36	4.36	-90.39	-0.34	-49.97	49.97	41.26	8.71	5.736	
2,100.00	2,100.00	2,099.70	2,099.70	4.58	4.58	-90.39	-0.34	-49.97	49.97	40.81	9.16	5.454	
2,200.00	2,200.00	2,199.70	2,199.70	4.81	4.81	-90.39	-0.34	-49.97	49.97	40.36	9.61	5.199	
2,300.00	2,300.00	2,299.70	2,299.70	5.03	5.03	-90.39	-0.34	-49.97	49.97	39.91	10.06	4.967	
2,400.00	2,400.00	2,399.70	2,399.70	5.26	5.25	-90.39	-0.34	-49.97	49.97	39.46	10.51	4.754	
2,500.00	2,500.00	2,499.70	2,499.70	5.48	5.48	-90.39	-0.34	-49.97	49.97	39.01	10.96	4.559	
2,600.00	2,600.00	2,599.70	2,599.70	5.71	5.70	-90.39	-0.34	-49.97	49.97	38.56	11.41	4.380	
2,700.00	2,700.00	2,699.70	2,699.70	5.93	5.93	-90.39	-0.34	-49.97	49.97	38.11	11.86	4.214	
2,800.00	2,800.00	2,799.70	2,799.70	6.15	6.15	-90.39	-0.34	-49.97	49.97	37.66	12.31	4.060	
2,900.00	2,900.00	2,899.70	2,899.70	6.38	6.38	-90.39	-0.34	-49.97	49.97	37.21	12.76	3.917	
3,000.00	3,000.00	2,999.70	2,999.70	6.60	6.60	-90.39	-0.34	-49.97	49.97	36.76	13.21	3.783	
3,100.00	3,100.00	3,099.70	3,099.70	6.83	6.83	-90.39	-0.34	-49.97	49.97	36.31	13.66	3.659	
3,200.00	3,200.00	3,199.70	3,199.70	7.05	7.05	-90.39	-0.34	-49.97	49.97	35.86	14.11	3.542	
3,300.00	3,300.00	3,299.70	3,299.70	7.28	7.28	-90.39	-0.34	-49.97	49.97	35.41	14.56	3.433	
3,400.00	3,400.00	3,399.70	3,399.70	7.50	7.50	-90.39	-0.34	-49.97	49.97	34.97	15.01	3.330	
3,500.00	3,500.00	3,499.70	3,499.70	7.73	7.73	-90.39	-0.34	-49.97	49.97	34.52	15.46	3.233 CC, ES	
3,600.00	3,600.00	3,598.84	3,598.83	7.95	7.94	-90.25	-0.22	-50.81	50.82	34.93	15.89	3.198	
3,700.00	3,700.00	3,697.91	3,697.87	8.18	8.14	-89.85	0.14	-53.35	53.39	37.07	16.31	3.272	
3,800.00	3,800.00	3,796.87	3,796.74	8.40	8.34	-89.27	0.73	-57.58	57.67	40.93	16.74	3.445	
3,900.00	3,900.00	3,895.65	3,895.34	8.63	8.55	-88.59	1.56	-63.49	63.66	46.50	17.16	3.709	
4,000.00	4,000.00	3,994.20	3,993.58	8.85	8.75	-87.89	2.62	-71.06	71.37	53.78	17.59	4.057	
4,100.00	4,100.00	4,092.45	4,091.39	9.08	8.97	-87.20	3.92	-80.28	80.80	62.78	18.02	4.484	
4,200.00	4,200.00	4,190.35	4,188.69	9.30	9.19	-86.58	5.44	-91.11	91.93	73.49	18.44	4.984	
4,300.00	4,300.00	4,287.86	4,285.38	9.53	9.41	-86.03	7.19	-103.53	104.76	85.89	18.87	5.551	
4,400.00	4,400.00	4,386.66	4,383.22	9.75	9.65	-85.56	9.10	-117.13	118.63	99.33	19.30	6.146	
4,500.00	4,500.00	4,485.69	4,481.28	9.98	9.89	-85.18	11.02	-130.78	132.53	112.79	19.74	6.715	
4,600.00	4,600.00	4,584.71	4,579.35	10.20	10.14	-84.88	12.93	-144.43	146.43	126.26	20.17	7.260	
4,700.00	4,700.00	4,683.74	4,677.41	10.43	10.39	-84.63	14.85	-158.07	160.33	139.72	20.61	7.781	
4,800.00	4,800.00	4,782.77	4,775.47	10.65	10.65	-84.42	16.77	-171.72	174.23	153.19	21.04	8.280	
4,900.00	4,900.00	4,881.79	4,873.54	10.87	10.91	-84.24	18.69	-185.37	188.14	166.66	21.48	8.759	
5,000.00	5,000.00	4,980.82	4,971.60	11.10	11.17	-84.09	20.61	-199.02	202.04	180.13	21.92	9.218	
5,100.00	5,100.00	5,079.85	5,069.66	11.32	11.44	-83.95	22.53	-212.66	215.95	193.59	22.36	9.658	

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
 Project: Lea County, NM (NAD-83)
 Reference Site: Seawolf 1-12 Fed
 Site Error: 0.00 usft
 Reference Well: 95H
 Well Error: 0.00 usft
 Reference Wellbore: OH
 Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
 TVD Reference: 3325.7' GE @ 3349.20usft
 MD Reference: 3325.7' GE @ 3349.20usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Output errors are at: 2.00 sigma
 Database: EDM 5000.1 Single User Db
 Offset TVD Reference: Offset Datum

Offset Design Seawolf 1-12 Fed - 94H - 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 Toolface (°)	Distance		Minimum Separation (usft)	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)				Between Centres (usft)	Between Ellipses (usft)	
5,200.00	5,200.00	5,178.88	5,167.73	11.55	11.71	-83.84	24.44	-226.31	229.86	207.06	10.081			
5,300.00	5,300.00	5,277.90	5,265.79	11.77	11.99	-83.73	26.36	-239.96	243.77	220.53	10.488			
5,400.00	5,400.00	5,376.93	5,363.85	12.00	12.27	-83.64	28.28	-253.61	257.69	234.00	10.879			
5,500.00	5,500.00	5,475.96	5,461.91	12.22	12.55	-83.55	30.20	-267.26	271.60	247.47	11.255			
5,600.00	5,600.00	5,574.98	5,559.98	12.45	12.83	-83.48	32.12	-280.90	285.51	260.93	11.617			
5,700.00	5,700.00	5,674.01	5,658.04	12.67	13.12	-83.41	34.03	-294.55	299.42	274.40	11.966			
5,800.00	5,800.00	5,773.04	5,756.10	12.90	13.41	-83.35	35.95	-308.20	313.34	287.87	12.302			
5,900.00	5,900.00	5,872.06	5,854.17	13.12	13.70	-83.29	37.87	-321.85	327.25	301.33	12.627			
6,000.00	6,000.00	5,971.09	5,952.23	13.35	13.99	-83.24	39.79	-335.49	341.16	314.80	12.940			
6,100.00	6,100.00	6,070.12	6,050.29	13.57	14.29	-83.19	41.71	-349.14	355.08	328.26	13.242			
6,200.00	6,200.00	6,169.14	6,148.36	13.80	14.58	-83.14	43.62	-362.79	368.99	341.73	13.534			
6,300.00	6,300.00	6,268.17	6,246.42	14.02	14.88	-83.10	45.54	-376.44	382.91	355.19	13.816			
6,400.00	6,400.00	6,367.20	6,344.48	14.25	15.18	-83.06	47.46	-390.09	396.82	368.66	14.089			
6,500.00	6,500.00	6,466.22	6,442.55	14.47	15.48	-83.03	49.38	-403.73	410.74	382.12	14.354			
6,600.00	6,600.00	6,565.25	6,540.61	14.70	15.78	-82.99	51.30	-417.38	424.65	395.59	14.609			
6,700.00	6,700.00	6,664.28	6,638.67	14.92	16.09	-82.96	53.21	-431.03	438.57	409.05	14.857			
6,800.00	6,800.00	6,763.30	6,736.73	15.15	16.39	-82.93	55.13	-444.68	452.48	422.51	15.097			
6,900.00	6,900.00	6,862.33	6,834.80	15.37	16.70	-82.90	57.05	-458.32	466.40	435.97	15.329			
7,000.00	7,000.00	6,961.36	6,932.86	15.59	17.00	-82.88	58.97	-471.97	480.31	449.44	15.555			
7,100.00	7,100.00	7,060.38	7,030.92	15.82	17.31	-82.85	60.89	-485.62	494.23	462.90	15.773			
7,200.00	7,200.00	7,159.41	7,128.99	16.04	17.62	-82.83	62.80	-499.27	508.15	476.36	15.986			
7,300.00	7,300.00	7,258.44	7,227.05	16.27	17.93	-82.81	64.72	-512.92	522.06	489.82	16.192			
7,400.00	7,400.00	7,357.47	7,325.11	16.49	18.24	-82.79	66.64	-526.56	535.98	503.28	16.392			
7,500.00	7,500.00	7,456.49	7,423.18	16.72	18.55	-82.77	68.56	-540.21	549.89	516.74	16.586			
7,600.00	7,600.00	7,555.52	7,521.24	16.94	18.87	-82.75	70.48	-553.86	563.81	530.20	16.776			
7,700.00	7,700.00	7,654.55	7,619.30	17.17	19.18	-82.73	72.39	-567.51	577.73	543.66	16.959			
7,800.00	7,800.00	7,753.57	7,717.37	17.39	19.49	-82.71	74.31	-581.15	591.64	557.12	17.138			
7,900.00	7,900.00	7,852.60	7,815.43	17.62	19.81	-82.70	76.23	-594.80	605.56	570.58	17.312			
8,000.00	8,000.00	7,951.63	7,913.49	17.84	20.13	-82.68	78.15	-608.45	619.48	584.04	17.482			
8,100.00	8,100.00	8,050.65	8,011.55	18.07	20.44	-82.67	80.07	-622.10	633.39	597.50	17.646			
8,200.00	8,200.00	8,149.68	8,109.62	18.29	20.76	-82.65	81.99	-635.74	647.31	610.96	17.807			
8,300.00	8,300.00	8,248.71	8,207.68	18.52	21.08	-82.64	83.90	-649.39	661.22	624.42	17.964			
8,400.00	8,400.00	8,347.73	8,305.74	18.74	21.39	-82.62	85.82	-663.04	675.14	637.87	18.116			
8,500.00	8,500.00	8,446.76	8,403.81	18.97	21.71	-82.61	87.74	-676.69	689.06	651.33	18.265			
8,600.00	8,600.00	8,545.79	8,501.87	19.19	22.03	-82.60	89.66	-690.34	702.97	664.79	18.410			
8,700.00	8,700.00	8,644.81	8,599.93	19.42	22.35	-82.59	91.58	-703.98	716.89	678.25	18.551			
8,800.00	8,800.00	8,743.84	8,698.00	19.64	22.67	-82.58	93.49	-717.63	730.81	691.70	18.689			
8,900.00	8,900.00	8,842.85	8,799.02	19.87	22.98	-82.57	95.46	-731.60	744.64	705.08	18.823			
9,000.00	9,000.00	8,941.94	8,904.21	20.09	23.27	-82.56	97.39	-745.32	757.70	717.69	18.939			
9,100.00	9,100.00	9,040.97	9,009.77	20.31	23.53	-82.55	99.18	-758.11	769.84	729.40	19.036			
9,200.00	9,200.00	9,139.99	9,115.68	20.54	23.78	-82.54	100.85	-769.95	781.06	740.18	19.107			
9,300.00	9,300.00	9,238.99	9,221.91	20.76	24.03	-82.53	102.38	-780.84	791.36	750.04	19.155			
9,400.00	9,400.00	9,337.99	9,328.43	20.99	24.28	-82.52	103.77	-790.76	800.72	758.97	19.180			
9,500.00	9,500.00	9,436.99	9,435.22	21.21	24.51	-82.52	105.03	-799.72	809.16	766.97	19.183			
9,600.00	9,600.00	9,535.99	9,542.25	21.44	24.74	-82.51	106.15	-807.69	816.66	774.04	19.163			
9,700.00	9,700.00	9,634.99	9,649.49	21.66	24.97	-82.51	107.13	-814.68	823.23	780.18	19.123			
9,800.00	9,800.00	9,733.99	9,756.92	21.89	25.18	-82.50	107.98	-820.68	828.86	785.38	19.063			
9,900.00	9,900.00	9,832.99	9,864.50	22.11	25.39	-82.50	108.68	-825.68	833.55	789.64	18.983			
10,000.00	10,000.00	9,931.99	9,972.21	22.34	25.60	-82.50	109.24	-829.69	837.30	792.96	18.883			
10,100.00	10,100.00	10,030.99	10,080.02	22.56	25.79	-82.50	109.66	-832.69	840.11	795.34	18.765			
10,200.00	10,200.00	10,129.99	10,187.91	22.79	25.98	-82.50	109.95	-834.69	841.98	796.79	18.629			
10,300.00	10,300.00	10,228.99	10,295.83	23.01	26.16	-82.50	110.09	-835.69	842.91	797.29	18.475			

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
 Project: Lea County, NM (NAD-83)
 Reference Site: Seawolf 1-12 Fed
 Site Error: 0.00 usft
 Reference Well: 95H
 Well Error: 0.00 usft
 Reference Wellbore: OH
 Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
 TVD Reference: 3325.7' GE @ 3349.20usft
 MD Reference: 3325.7' GE @ 3349.20usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Output errors are at: 2.00 sigma
 Database: EDM 5000.1 Single User Db
 Offset TVD Reference: Offset Datum

Offset Design Seawolf 1-12 Fed - 94H - 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 Toolface (°)	Distance		Minimum Separation (usft)	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)				Between Centres (usft)	Between Ellipses (usft)	
10,400.00	10,400.00	10,451.28	10,399.70	23.24	26.33	-82.50	110.10	-835.81	843.03	796.98	46.05	18.308		
10,500.00	10,500.00	10,551.28	10,499.70	23.46	26.51	-82.50	110.10	-835.81	843.03	796.55	46.48	18.139		
10,600.00	10,600.00	10,651.28	10,599.70	23.69	26.70	-82.50	110.10	-835.81	843.03	796.12	46.91	17.971		
10,700.00	10,700.00	10,751.28	10,699.70	23.91	26.88	-82.50	110.10	-835.81	843.03	795.68	47.35	17.806		
10,800.00	10,800.00	10,851.28	10,799.70	24.14	27.07	-82.50	110.10	-835.81	843.03	795.25	47.78	17.644		
10,900.00	10,900.00	10,951.28	10,899.70	24.36	27.26	-82.50	110.10	-835.81	843.03	794.81	48.22	17.484		
11,000.00	11,000.00	11,051.28	10,999.70	24.59	27.45	-82.50	110.10	-835.81	843.03	794.37	48.65	17.328		
11,100.00	11,100.00	11,151.28	11,099.70	24.81	27.63	-82.50	110.10	-835.81	843.03	793.94	49.09	17.174		
11,200.00	11,200.00	11,251.28	11,199.70	25.04	27.82	-82.50	110.10	-835.81	843.03	793.50	49.52	17.023		
11,300.00	11,300.00	11,351.28	11,299.70	25.26	28.01	-82.50	110.10	-835.81	843.03	793.07	49.96	16.874		
11,400.00	11,400.00	11,451.28	11,399.70	25.48	28.20	-82.50	110.10	-835.81	843.03	792.63	50.40	16.728		
11,500.00	11,500.00	11,551.28	11,499.70	25.71	28.39	-82.50	110.10	-835.81	843.03	792.19	50.83	16.584		
11,600.00	11,600.00	11,651.28	11,599.70	25.93	28.58	-82.50	110.10	-835.81	843.03	791.76	51.27	16.443		
11,700.00	11,700.00	11,751.28	11,699.70	26.16	28.78	-82.50	110.10	-835.81	843.03	791.32	51.71	16.304		
11,800.00	11,800.00	11,851.28	11,799.70	26.38	28.97	-82.50	110.10	-835.81	843.03	790.88	52.14	16.167		
11,900.00	11,900.00	11,951.28	11,899.70	26.61	29.16	-82.50	110.10	-835.81	843.03	790.44	52.58	16.033		
12,000.00	12,000.00	12,051.28	11,999.70	26.83	29.35	-82.50	110.10	-835.81	843.03	790.01	53.02	15.900		
12,100.00	12,100.00	12,151.28	12,099.70	27.06	29.55	-82.50	110.10	-835.81	843.03	789.57	53.46	15.770		
12,200.00	12,200.00	12,251.28	12,199.70	27.28	29.74	-82.50	110.10	-835.81	843.03	789.13	53.90	15.642		
12,300.00	12,300.00	12,351.28	12,299.70	27.51	29.93	-82.50	110.10	-835.81	843.03	788.69	54.33	15.516		
12,400.00	12,399.80	12,471.05	12,418.90	27.70	30.14	96.99	101.28	-835.87	842.72	787.98	54.73	15.396		
12,500.00	12,496.76	12,596.28	12,537.28	27.87	30.31	96.39	61.57	-836.16	841.79	786.72	55.07	15.287		
12,600.00	12,586.67	12,717.37	12,638.20	28.02	30.45	95.46	-4.78	-836.65	840.50	785.11	55.39	15.174		
12,700.00	12,665.61	12,833.23	12,716.21	28.18	30.60	94.27	-90.04	-837.28	839.15	783.38	55.77	15.046		
12,800.00	12,730.11	12,943.46	12,769.35	28.40	30.78	92.91	-186.33	-837.99	838.04	781.78	56.26	14.895		
12,900.00	12,777.37	13,048.23	12,798.16	28.70	31.02	91.47	-286.85	-838.73	837.38	780.48	56.90	14.717		
12,968.90	12,798.78	13,117.49	12,804.86	28.96	31.23	90.45	-355.72	-839.23	837.24	779.80	57.44	14.576		
13,000.00	12,805.31	13,148.05	12,805.01	29.08	31.34	90.02	-386.28	-839.46	837.27	779.57	57.70	14.511		
13,100.00	12,812.96	13,247.60	12,805.09	29.54	31.76	89.48	-485.83	-840.19	837.47	778.79	58.68	14.273		
13,200.00	12,813.12	13,347.60	12,805.16	30.09	32.29	89.48	-585.82	-840.93	837.64	777.81	59.84	13.999		
13,300.00	12,813.28	13,447.60	12,805.23	30.75	32.91	89.47	-685.82	-841.66	837.81	776.63	61.19	13.692		
13,400.00	12,813.43	13,547.60	12,805.30	31.49	33.63	89.46	-785.82	-842.40	837.99	775.26	62.72	13.360		
13,500.00	12,813.59	13,647.60	12,805.37	32.32	34.43	89.46	-885.81	-843.13	838.16	773.73	64.43	13.009		
13,600.00	12,813.75	13,747.60	12,805.45	33.23	35.31	89.45	-985.81	-843.87	838.33	772.04	66.29	12.646		
13,700.00	12,813.90	13,847.60	12,805.52	34.22	36.26	89.45	-1,085.81	-844.61	838.50	770.21	68.30	12.278		
13,800.00	12,814.06	13,947.60	12,805.59	35.27	37.28	89.44	-1,185.81	-845.34	838.68	768.24	70.43	11.908		
13,900.00	12,814.22	14,047.60	12,805.66	36.38	38.36	89.44	-1,285.80	-846.08	838.85	766.16	72.69	11.540		
14,000.00	12,814.38	14,147.60	12,805.74	37.54	39.49	89.43	-1,385.80	-846.81	839.02	763.97	75.05	11.179		
14,100.00	12,814.53	14,247.60	12,805.81	38.76	40.68	89.42	-1,485.80	-847.55	839.19	761.68	77.52	10.826		
14,200.00	12,814.69	14,347.60	12,805.88	40.02	41.91	89.42	-1,585.79	-848.29	839.36	759.29	80.07	10.483		
14,300.00	12,814.85	14,447.60	12,805.95	41.33	43.18	89.41	-1,685.79	-849.02	839.54	756.83	82.70	10.151		
14,400.00	12,815.00	14,547.60	12,806.02	42.67	44.49	89.41	-1,785.79	-849.76	839.71	754.29	85.41	9.831		
14,500.00	12,815.16	14,647.60	12,806.10	44.04	45.84	89.40	-1,885.79	-850.49	839.88	751.69	88.19	9.524		
14,600.00	12,815.32	14,747.60	12,806.17	45.45	47.22	89.40	-1,985.78	-851.23	840.05	749.02	91.03	9.229		
14,700.00	12,815.48	14,847.60	12,806.24	46.89	48.62	89.39	-2,085.78	-851.97	840.22	746.30	93.92	8.946		
14,800.00	12,815.63	14,947.60	12,806.31	48.35	50.06	89.39	-2,185.78	-852.70	840.40	743.53	96.86	8.676		
14,900.00	12,815.79	15,047.60	12,806.38	49.84	51.52	89.38	-2,285.77	-853.44	840.57	740.72	99.85	8.418		
15,000.00	12,815.95	15,147.60	12,806.46	51.34	53.00	89.37	-2,385.77	-854.17	840.74	737.86	102.88	8.172		
15,100.00	12,816.10	15,247.60	12,806.53	52.87	54.50	89.37	-2,485.77	-854.91	840.91	734.96	105.95	7.937		
15,200.00	12,816.26	15,347.60	12,806.60	54.41	56.02	89.36	-2,585.76	-855.65	841.09	732.03	109.06	7.712		
15,300.00	12,816.42	15,447.60	12,806.67	55.98	57.56	89.36	-2,685.76	-856.38	841.26	729.06	112.20	7.498		
15,400.00	12,816.58	15,547.60	12,806.75	57.55	59.11	89.35	-2,785.76	-857.12	841.43	726.07	115.36	7.294		

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
Project: Lea County, NM (NAD-83)
Reference Site: Seawolf 1-12 Fed
Site Error: 0.00 usft
Reference Well: 95H
Well Error: 0.00 usft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
TVD Reference: 3325.7' GE @ 3349.20usft
MD Reference: 3325.7' GE @ 3349.20usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: EDM 5000.1 Single User Db
Offset TVD Reference: Offset Datum

Offset Design Seawolf 1-12 Fed - 94H - 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 Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
15,500.00	12,816.73	15,647.60	12,806.82	59.14	60.68	89.35	-2,885.76	-857.85	841.60	723.05	118.56	7.099	
15,600.00	12,816.89	15,747.60	12,806.89	60.75	62.26	89.34	-2,985.75	-858.59	841.77	720.00	121.78	6.913	
15,700.00	12,817.05	15,847.59	12,806.96	62.36	63.86	89.33	-3,085.75	-859.32	841.95	716.93	125.02	6.735	
15,800.00	12,817.20	15,947.59	12,807.03	63.99	65.47	89.33	-3,185.75	-860.06	842.12	713.84	128.28	6.565	
15,900.00	12,817.36	16,047.59	12,807.11	65.63	67.08	89.32	-3,285.74	-860.80	842.29	710.73	131.56	6.402	
16,000.00	12,817.52	16,147.59	12,807.18	67.27	68.71	89.32	-3,385.74	-861.53	842.46	707.60	134.87	6.247	
16,100.00	12,817.67	16,247.59	12,807.25	68.93	70.35	89.31	-3,485.74	-862.27	842.64	704.45	138.19	6.098	
16,200.00	12,817.83	16,347.59	12,807.32	70.59	72.00	89.31	-3,585.74	-863.00	842.81	701.29	141.52	5.955	
16,300.00	12,817.99	16,447.59	12,807.39	72.26	73.65	89.30	-3,685.73	-863.74	842.98	698.11	144.87	5.819	
16,400.00	12,818.15	16,547.59	12,807.47	73.94	75.31	89.29	-3,785.73	-864.48	843.15	694.92	148.23	5.688	
16,500.00	12,818.30	16,647.59	12,807.54	75.62	76.98	89.29	-3,885.73	-865.21	843.33	691.72	151.61	5.563	
16,600.00	12,818.46	16,747.59	12,807.61	77.32	78.66	89.28	-3,985.72	-865.95	843.50	688.50	155.00	5.442	
16,700.00	12,818.62	16,847.59	12,807.68	79.01	80.34	89.28	-4,085.72	-866.68	843.67	685.27	158.40	5.326	
16,800.00	12,818.77	16,947.59	12,807.76	80.71	82.03	89.27	-4,185.72	-867.42	843.84	682.04	161.81	5.215	
16,900.00	12,818.93	17,047.59	12,807.83	82.42	83.72	89.27	-4,285.72	-868.16	844.02	678.79	165.23	5.108	
17,000.00	12,819.09	17,147.59	12,807.90	84.13	85.42	89.26	-4,385.71	-868.89	844.19	675.53	168.65	5.005	
17,100.00	12,819.25	17,247.59	12,807.97	85.85	87.12	89.26	-4,485.71	-869.63	844.36	672.27	172.09	4.906	
17,200.00	12,819.40	17,347.59	12,808.04	87.57	88.83	89.25	-4,585.71	-870.36	844.53	669.00	175.54	4.811	
17,300.00	12,819.56	17,447.59	12,808.12	89.29	90.55	89.24	-4,685.70	-871.10	844.70	665.71	178.99	4.719	
17,400.00	12,819.72	17,547.59	12,808.19	91.02	92.26	89.24	-4,785.70	-871.84	844.88	662.43	182.45	4.631	
17,500.00	12,819.87	17,647.59	12,808.26	92.75	93.98	89.23	-4,885.70	-872.57	845.05	659.13	185.92	4.545	
17,600.00	12,820.03	17,747.59	12,808.33	94.49	95.71	89.23	-4,985.69	-873.31	845.22	655.83	189.39	4.463	
17,700.00	12,820.19	17,847.59	12,808.40	96.23	97.44	89.22	-5,085.69	-874.04	845.39	652.52	192.87	4.383	
17,800.00	12,820.34	17,947.59	12,808.48	97.97	99.17	89.22	-5,185.69	-874.78	845.57	649.21	196.36	4.306	
17,900.00	12,820.50	18,047.59	12,808.55	99.71	100.90	89.21	-5,285.69	-875.51	845.74	645.89	199.85	4.232	
18,000.00	12,820.66	18,147.59	12,808.62	101.46	102.64	89.21	-5,385.68	-876.25	845.91	642.56	203.35	4.160	
18,100.00	12,820.82	18,247.59	12,808.69	103.21	104.38	89.20	-5,485.68	-876.99	846.08	639.23	206.85	4.090	
18,200.00	12,820.97	18,347.59	12,808.77	104.96	106.12	89.19	-5,585.68	-877.72	846.26	635.90	210.36	4.023	
18,300.00	12,821.13	18,447.59	12,808.84	106.72	107.87	89.19	-5,685.67	-878.46	846.43	632.56	213.87	3.958	
18,400.00	12,821.29	18,547.59	12,808.91	108.47	109.62	89.18	-5,785.67	-879.19	846.60	629.22	217.38	3.895	
18,500.00	12,821.44	18,647.59	12,808.98	110.23	111.37	89.18	-5,885.67	-879.93	846.77	625.87	220.90	3.833	
18,600.00	12,821.60	18,747.59	12,809.05	111.99	113.12	89.17	-5,985.67	-880.67	846.95	622.52	224.42	3.774	
18,700.00	12,821.76	18,847.59	12,809.13	113.75	114.87	89.17	-6,085.66	-881.40	847.12	619.17	227.95	3.716	
18,800.00	12,821.92	18,947.59	12,809.20	115.52	116.63	89.16	-6,185.66	-882.14	847.29	615.81	231.48	3.660	
18,900.00	12,822.07	19,047.59	12,809.27	117.28	118.39	89.15	-6,285.66	-882.87	847.46	612.45	235.02	3.606	
19,000.00	12,822.23	19,147.59	12,809.34	119.05	120.15	89.15	-6,385.65	-883.61	847.64	609.08	238.55	3.553	
19,100.00	12,822.39	19,247.59	12,809.41	120.82	121.91	89.14	-6,485.65	-884.35	847.81	605.72	242.09	3.502	
19,200.00	12,822.54	19,347.59	12,809.49	122.59	123.68	89.14	-6,585.65	-885.08	847.98	602.35	245.64	3.452	
19,300.00	12,822.70	19,447.59	12,809.56	124.36	125.44	89.13	-6,685.65	-885.82	848.15	598.97	249.18	3.404	
19,400.00	12,822.86	19,547.59	12,809.63	126.14	127.21	89.13	-6,785.64	-886.55	848.33	595.60	252.73	3.357	
19,500.00	12,823.02	19,647.59	12,809.70	127.91	128.98	89.12	-6,885.64	-887.29	848.50	592.22	256.28	3.311	
19,600.00	12,823.17	19,747.59	12,809.77	129.69	130.75	89.12	-6,985.64	-888.03	848.67	588.84	259.83	3.266	
19,700.00	12,823.33	19,847.59	12,809.85	131.46	132.52	89.11	-7,085.63	-888.76	848.84	585.45	263.39	3.223	
19,800.00	12,823.49	19,947.59	12,809.92	133.24	134.29	89.10	-7,185.63	-889.50	849.02	582.07	266.95	3.180	
19,900.00	12,823.64	20,047.59	12,809.99	135.02	136.06	89.10	-7,285.63	-890.23	849.19	578.68	270.51	3.139	
20,000.00	12,823.80	20,147.59	12,810.06	136.80	137.84	89.09	-7,385.62	-890.97	849.36	575.29	274.07	3.099	
20,100.00	12,823.96	20,247.59	12,810.14	138.58	139.61	89.09	-7,485.62	-891.70	849.54	571.90	277.64	3.060	
20,200.00	12,824.11	20,347.59	12,810.21	140.37	141.39	89.08	-7,585.62	-892.44	849.71	568.51	281.20	3.022	
20,300.00	12,824.27	20,447.59	12,810.28	142.15	143.17	89.08	-7,685.62	-893.18	849.88	565.11	284.77	2.984	
20,400.00	12,824.43	20,547.59	12,810.35	143.93	144.95	89.07	-7,785.61	-893.91	850.05	561.71	288.34	2.948	
20,500.00	12,824.59	20,647.59	12,810.42	145.72	146.73	89.07	-7,885.61	-894.65	850.23	558.31	291.91	2.913	
20,600.00	12,824.74	20,747.59	12,810.50	147.51	148.51	89.06	-7,985.61	-895.38	850.40	554.91	295.49	2.878	

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
 Project: Lea County, NM (NAD-83)
 Reference Site: Seawolf 1-12 Fed
 Site Error: 0.00 usft
 Reference Well: 95H
 Well Error: 0.00 usft
 Reference Wellbore: OH
 Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
 TVD Reference: 3325.7' GE @ 3349.20usft
 MD Reference: 3325.7' GE @ 3349.20usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Output errors are at 2.00 sigma
 Database: EDM 5000.1 Single User Db
 Offset TVD Reference: Offset Datum

Offset Design Seawolf 1-12 Fed - 94H - 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 Toothface (")	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
20,700.00	12,824.90	20,847.59	12,810.57	149.29	150.29	89.05	-8,085.60	-896.12	850.57	551.51	299.06	2.844	
20,800.00	12,825.06	20,947.59	12,810.64	151.08	152.08	89.05	-8,185.60	-896.86	850.74	548.11	302.64	2.811	
20,900.00	12,825.21	21,047.59	12,810.71	152.87	153.86	89.04	-8,285.60	-897.59	850.92	544.70	306.22	2.779	
21,000.00	12,825.37	21,147.59	12,810.78	154.66	155.65	89.04	-8,385.60	-898.33	851.09	541.29	309.79	2.747	
21,100.00	12,825.53	21,247.59	12,810.86	156.45	157.43	89.03	-8,485.59	-899.06	851.26	537.89	313.38	2.716	
21,200.00	12,825.69	21,347.59	12,810.93	158.24	159.22	89.03	-8,585.59	-899.80	851.44	534.48	316.96	2.686	
21,300.00	12,825.84	21,447.58	12,811.00	160.03	161.01	89.02	-8,685.59	-900.54	851.61	531.07	320.54	2.657	
21,400.00	12,826.00	21,547.58	12,811.07	161.83	162.79	89.02	-8,785.58	-901.27	851.78	527.65	324.13	2.628	
21,500.00	12,826.16	21,647.58	12,811.15	163.62	164.58	89.01	-8,885.58	-902.01	851.95	524.24	327.71	2.600	
21,600.00	12,826.31	21,747.58	12,811.22	165.41	166.37	89.01	-8,985.58	-902.74	852.13	520.83	331.30	2.572	
21,700.00	12,826.47	21,847.58	12,811.29	167.21	168.16	89.00	-9,085.58	-903.48	852.30	517.41	334.89	2.545	
21,800.00	12,826.63	21,947.58	12,811.36	169.00	169.95	88.99	-9,185.57	-904.22	852.47	513.99	338.48	2.519	
21,900.00	12,826.79	22,047.58	12,811.43	170.80	171.74	88.99	-9,285.57	-904.95	852.64	510.58	342.07	2.493	
22,000.00	12,826.94	22,147.58	12,811.51	172.59	173.54	88.98	-9,385.57	-905.69	852.82	507.16	345.66	2.467	
22,100.00	12,827.10	22,247.58	12,811.58	174.39	175.33	88.98	-9,485.56	-906.42	852.99	503.74	349.25	2.442	
22,200.00	12,827.26	22,347.58	12,811.65	176.18	177.12	88.97	-9,585.56	-907.16	853.16	500.32	352.85	2.418	
22,300.00	12,827.41	22,447.58	12,811.72	177.98	178.92	88.97	-9,685.56	-907.89	853.34	496.90	356.44	2.394	
22,400.00	12,827.57	22,547.58	12,811.79	179.78	180.71	88.96	-9,785.56	-908.63	853.51	493.47	360.04	2.371	
22,500.00	12,827.73	22,647.58	12,811.87	181.58	182.50	88.96	-9,885.55	-909.37	853.68	490.05	363.63	2.348	
22,600.00	12,827.88	22,747.58	12,811.94	183.38	184.30	88.95	-9,985.55	-910.10	853.85	486.63	367.23	2.325	
22,673.56	12,828.00	22,821.14	12,811.99	184.70	185.62	88.95	-10,059.11	-910.64	853.98	484.11	369.88	2.309 SF	

LEAM Drilling Systems LLC

Anticollision Report

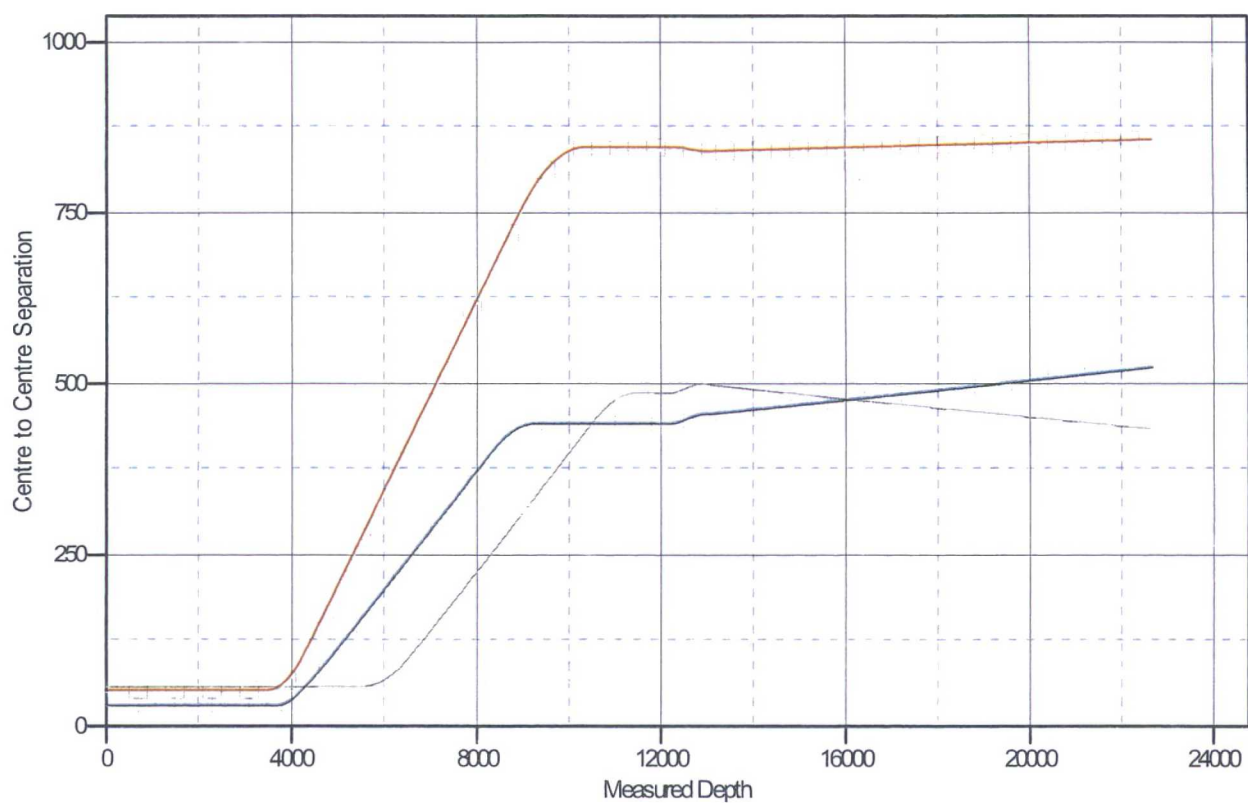
Company: DEVON ENERGY
Project: Lea County, NM (NAD-83)
Reference Site: Seawolf 1-12 Fed
Site Error: 0.00 usft
Reference Well: 95H
Well Error: 0.00 usft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well 95H
TVD Reference: 3325.7' GE @ 3349.20usft
MD Reference: 3325.7' GE @ 3349.20usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: EDM 5000.1 Single User Db
Offset TVD Reference: Offset Datum

Reference Depths are relative to 3325.7' GE @ 3349.20usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: 95H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.43°

Ladder Plot



LEGEND

85H, OH, Plan #1 V0 94H, OH, Plan #1 V0 86H, OH, Plan #1 V0

LEAM Drilling Systems LLC

Anticollision Report

Company: DEVON ENERGY
Project: Lea County, NM (NAD-83)
Reference Site: Seawolf 1-12 Fed
Site Error: 0.00 usft
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Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: EDM 5000.1 Single User Db
Offset TVD Reference: Offset Datum

Reference Depths are relative to 3325.7' GE @ 3349.20usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: 95H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.43°

