

LEAM Drilling Systems LLC

Anticollision Report

3001540681

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 51H
Project:	Eddy County, NM (NAD:83)	TVD Reference:	GE 3202' + KB 25' @ 3227.00usft (Cactus 126)
Reference Site:	Burton Flat Deep Unit	MD Reference:	GE 3202' + KB 25' @ 3227.00usft (Cactus 126)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	51H	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 #2	Offset TVD Reference:	Reference Datum

Reference:	Plan #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	0.00 to 11,288.13usft	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 2,000,000.00 usft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	04/12/13		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	11,288.13	Plan #2 (OH)	LEAM MWD	MWD - Standard	

Summary	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Site Name:						
Offset Well - Wellbore - Design						
Burton Flat Deep Unit						
55H - OH - Plan #1	6,135.85	6,137.85	50.00	22.70	1.831 CC	
55H - OH - Plan #1	6,175.00	6,176.95	50.09	22.62	1.823 ES, SF	

Offset Design										Burton Flat Deep Unit - 55H - OH - Plan #1		Offset Site Error		0.00 usft	
Survey Program: 0-LEAM MWD												Offset Well Error		0.00 usft	
Reference		Offset		Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre N-S (usft)	Offset Wellbore Centre E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	2.00	0.00	0.00	0.00	-179.44	-50.00	-0.49	50.00						
100.00	100.00	102.00	100.00	0.08	0.09	-179.44	-50.00	-0.49	50.00	49.83	0.17	288.914			
200.00	200.00	202.00	200.00	0.31	0.31	-179.44	-50.00	-0.49	50.00	49.38	0.62	80.312			
300.00	300.00	302.00	300.00	0.53	0.54	-179.44	-50.00	-0.49	50.00	48.93	1.07	46.638			
400.00	400.00	402.00	400.00	0.76	0.76	-179.44	-50.00	-0.49	50.00	48.48	1.52	32.860			
500.00	500.00	502.00	500.00	0.98	0.99	-179.44	-50.00	-0.49	50.00	48.03	1.97	25.366			
600.00	600.00	602.00	600.00	1.21	1.21	-179.44	-50.00	-0.49	50.00	47.58	2.42	20.656			
700.00	700.00	702.00	700.00	1.43	1.44	-179.44	-50.00	-0.49	50.00	47.13	2.87	17.421			
800.00	800.00	802.00	800.00	1.66	1.66	-179.44	-50.00	-0.49	50.00	46.68	3.32	15.062			
900.00	900.00	902.00	900.00	1.88	1.89	-179.44	-50.00	-0.49	50.00	46.23	3.77	13.266			
1,000.00	1,000.00	1,002.00	1,000.00	2.11	2.11	-179.44	-50.00	-0.49	50.00	45.78	4.22	11.852			
1,100.00	1,100.00	1,102.00	1,100.00	2.33	2.34	-179.44	-50.00	-0.49	50.00	45.33	4.67	10.711			
1,200.00	1,200.00	1,202.00	1,200.00	2.56	2.56	-179.44	-50.00	-0.49	50.00	44.88	5.12	9.770			
1,300.00	1,300.00	1,302.00	1,300.00	2.78	2.79	-179.44	-50.00	-0.49	50.00	44.43	5.57	8.981			
1,400.00	1,400.00	1,402.00	1,400.00	3.01	3.01	-179.44	-50.00	-0.49	50.00	43.99	6.02	8.310			
1,500.00	1,500.00	1,502.00	1,500.00	3.23	3.24	-179.44	-50.00	-0.49	50.00	43.54	6.47	7.733			
1,600.00	1,600.00	1,602.00	1,600.00	3.46	3.46	-179.44	-50.00	-0.49	50.00	43.09	6.92	7.230			
1,700.00	1,700.00	1,702.00	1,700.00	3.68	3.69	-179.44	-50.00	-0.49	50.00	42.64	7.37	6.789			
1,800.00	1,800.00	1,802.00	1,800.00	3.91	3.91	-179.44	-50.00	-0.49	50.00	42.19	7.82	6.398			
1,900.00	1,900.00	1,902.00	1,900.00	4.13	4.13	-179.44	-50.00	-0.49	50.00	41.74	8.26	6.050			
2,000.00	2,000.00	2,002.00	2,000.00	4.35	4.36	-179.44	-50.00	-0.49	50.00	41.29	8.71	5.738			
2,100.00	2,100.00	2,102.00	2,100.00	4.58	4.58	-179.44	-50.00	-0.49	50.00	40.84	9.16	5.457			
2,200.00	2,200.00	2,202.00	2,200.00	4.80	4.81	-179.44	-50.00	-0.49	50.00	40.39	9.61	5.201			

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

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Reference Wellbore:	OH	Database:	EDM: 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Reference Datum

Offset Design: Burton Flat Deep Unit - 55H - OH - Plan #1													Offset Site Error:
Survey Program: O-LEAM MWD													0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,300.00	2,300.00	2,302.00	2,300.00	5.03	5.03	-179.44	-50.00	-0.49	50.00	39.94	10.06	4.969	
2,400.00	2,400.00	2,402.00	2,400.00	5.25	5.26	-179.44	-50.00	-0.49	50.00	39.49	10.51	4.757	
2,500.00	2,500.00	2,502.00	2,500.00	5.48	5.48	-179.44	-50.00	-0.49	50.00	39.04	10.96	4.561	
2,600.00	2,600.00	2,602.00	2,600.00	5.70	5.71	-179.44	-50.00	-0.49	50.00	38.59	11.41	4.382	
2,700.00	2,700.00	2,702.00	2,700.00	5.93	5.93	-179.44	-50.00	-0.49	50.00	38.14	11.86	4.216	
2,800.00	2,800.00	2,802.00	2,800.00	6.15	6.16	-179.44	-50.00	-0.49	50.00	37.69	12.31	4.062	
2,900.00	2,900.00	2,902.00	2,900.00	6.38	6.38	-179.44	-50.00	-0.49	50.00	37.24	12.76	3.919	
3,000.00	3,000.00	3,002.00	3,000.00	6.60	6.61	-179.44	-50.00	-0.49	50.00	36.79	13.21	3.785	
3,100.00	3,100.00	3,102.00	3,100.00	6.83	6.83	-179.44	-50.00	-0.49	50.00	36.34	13.66	3.661	
3,200.00	3,200.00	3,202.00	3,200.00	7.05	7.06	-179.44	-50.00	-0.49	50.00	35.89	14.11	3.544	
3,300.00	3,300.00	3,302.00	3,300.00	7.28	7.28	-179.44	-50.00	-0.49	50.00	35.44	14.56	3.435	
3,400.00	3,400.00	3,402.00	3,400.00	7.50	7.51	-179.44	-50.00	-0.49	50.00	34.99	15.01	3.332	
3,500.00	3,500.00	3,502.00	3,500.00	7.73	7.73	-179.44	-50.00	-0.49	50.00	34.55	15.46	3.235	
3,600.00	3,600.00	3,602.00	3,600.00	7.95	7.96	-179.44	-50.00	-0.49	50.00	34.10	15.91	3.143	
3,700.00	3,700.00	3,702.00	3,700.00	8.18	8.18	-179.44	-50.00	-0.49	50.00	33.65	16.36	3.057	
3,800.00	3,800.00	3,802.00	3,800.00	8.40	8.41	-179.44	-50.00	-0.49	50.00	33.20	16.81	2.975	
3,900.00	3,900.00	3,902.00	3,900.00	8.63	8.63	-179.44	-50.00	-0.49	50.00	32.75	17.26	2.898	
4,000.00	4,000.00	4,002.00	4,000.00	8.85	8.85	-179.44	-50.00	-0.49	50.00	32.30	17.70	2.824	
4,100.00	4,100.00	4,102.00	4,100.00	9.07	9.08	-179.44	-50.00	-0.49	50.00	31.85	18.15	2.754	
4,200.00	4,200.00	4,202.00	4,200.00	9.30	9.30	-179.44	-50.00	-0.49	50.00	31.40	18.60	2.688	
4,300.00	4,300.00	4,302.00	4,300.00	9.52	9.53	-179.44	-50.00	-0.49	50.00	30.95	19.05	2.624	
4,400.00	4,400.00	4,402.00	4,400.00	9.75	9.75	-179.44	-50.00	-0.49	50.00	30.50	19.50	2.564	
4,500.00	4,500.00	4,502.00	4,500.00	9.97	9.98	-179.44	-50.00	-0.49	50.00	30.05	19.95	2.506	
4,600.00	4,600.00	4,602.00	4,600.00	10.20	10.20	-179.44	-50.00	-0.49	50.00	29.60	20.40	2.451	
4,700.00	4,700.00	4,702.00	4,700.00	10.42	10.43	-179.44	-50.00	-0.49	50.00	29.15	20.85	2.398	
4,800.00	4,800.00	4,802.00	4,800.00	10.65	10.65	-179.44	-50.00	-0.49	50.00	28.70	21.30	2.347	
4,900.00	4,900.00	4,902.00	4,900.00	10.87	10.88	-179.44	-50.00	-0.49	50.00	28.25	21.75	2.299	
5,000.00	5,000.00	5,002.00	5,000.00	11.10	11.10	-179.44	-50.00	-0.49	50.00	27.80	22.20	2.252	
5,100.00	5,100.00	5,102.00	5,100.00	11.32	11.33	-179.44	-50.00	-0.49	50.00	27.35	22.65	2.208	
5,200.00	5,200.00	5,202.00	5,200.00	11.55	11.55	-179.44	-50.00	-0.49	50.00	26.90	23.10	2.165	
5,300.00	5,300.00	5,302.00	5,300.00	11.77	11.78	-179.44	-50.00	-0.49	50.00	26.45	23.55	2.123	
5,400.00	5,400.00	5,402.00	5,400.00	12.00	12.00	-179.44	-50.00	-0.49	50.00	26.00	24.00	2.084	
5,500.00	5,500.00	5,502.00	5,500.00	12.22	12.23	-179.44	-50.00	-0.49	50.00	25.55	24.45	2.045	
5,600.00	5,600.00	5,602.00	5,600.00	12.45	12.45	-179.44	-50.00	-0.49	50.00	25.11	24.90	2.008	
5,700.00	5,700.00	5,702.00	5,700.00	12.67	12.68	-179.44	-50.00	-0.49	50.00	24.66	25.35	1.973	
5,800.00	5,800.00	5,802.00	5,800.00	12.90	12.90	-179.44	-50.00	-0.49	50.00	24.21	25.80	1.938	
5,900.00	5,900.00	5,902.00	5,900.00	13.12	13.13	-179.44	-50.00	-0.49	50.00	23.76	26.25	1.905	
6,000.00	6,000.00	6,002.00	6,000.00	13.35	13.35	-179.44	-50.00	-0.49	50.00	23.31	26.70	1.873	
6,100.00	6,100.00	6,102.00	6,100.00	13.57	13.57	-179.44	-50.00	-0.49	50.00	22.86	27.14	1.842	
6,135.85	6,135.85	6,137.85	6,135.85	13.65	13.66	-179.44	-50.00	-0.49	50.00	22.70	27.31	1.831 CC	
6,150.00	6,150.00	6,152.00	6,150.00	13.68	13.69	-92.01	-50.00	-0.49	50.01	22.64	27.37	1.827	
6,175.00	6,174.94	6,176.95	6,174.95	13.73	13.74	-93.87	-50.00	-0.47	50.09	22.62	27.47	1.823 ES, SF	
6,200.00	6,199.74	6,201.56	6,199.53	13.78	13.79	-98.44	-49.95	0.52	50.45	22.89	27.57	1.830	
6,225.00	6,224.30	6,225.00	6,222.86	13.83	13.84	-105.57	-49.83	2.83	51.76	24.14	27.63	1.874	
6,250.00	6,248.53	6,247.36	6,244.95	13.89	13.89	-114.17	-49.65	6.28	55.03	27.42	27.60	1.993	
6,275.00	6,272.33	6,267.80	6,264.95	13.94	13.93	-122.63	-49.43	10.48	61.15	33.71	27.44	2.228	
6,300.00	6,295.63	6,286.30	6,282.85	14.00	13.97	-129.94	-49.18	15.13	70.54	43.41	27.13	2.600	
6,325.00	6,318.34	6,302.75	6,298.57	14.06	14.00	-135.65	-48.93	19.95	83.10	56.41	26.69	3.113	
6,350.00	6,340.36	6,317.13	6,312.15	14.12	14.03	-139.79	-48.69	24.67	98.42	72.25	26.17	3.761	
6,375.00	6,361.62	6,329.49	6,323.69	14.19	14.06	-142.50	-48.45	29.11	116.01	90.42	25.59	4.534	
6,400.00	6,382.04	6,339.94	6,333.33	14.27	14.09	-143.97	-48.24	33.13	135.44	110.43	25.00	5.416	

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Reference Wellbore:	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Reference Datum

Offset Design: Burton Flat Deep Unit - 55H - OH - Plan #1														Offset Site Error:
Survey Program: 0-LEAM MWD														Offset Well Error:
Reference	Offset	Semi Major Axis		Reference		Highside	Offset Wellbore Centre		Distance		Minimum	Separation	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)	Separation (usft)	Factor		
6,425.00	6,401.54	6,350.00	6,342.51	14.35	14.11	-144.81	-48.03	37.23	156.33	131.91	24.42	6.401		
6,450.00	6,420.05	6,355.58	6,347.56	14.45	14.12	-143.30	-47.91	39.61	178.36	154.25	24.11	7.398		
6,475.00	6,437.49	6,361.06	6,352.49	14.56	14.14	-140.89	-47.78	42.00	201.28	177.29	23.99	8.389		
6,500.00	6,453.82	6,365.15	6,356.15	14.68	14.15	-136.48	-47.69	43.84	224.89	200.54	24.35	9.236		
6,525.00	6,468.95	6,368.00	6,358.68	14.82	14.15	-129.09	-47.62	45.13	248.98	223.52	25.46	9.779		
6,550.00	6,482.85	6,369.73	6,360.22	14.97	14.16	-117.02	-47.58	45.93	273.42	245.89	27.53	9.933		
6,575.00	6,495.45	6,375.00	6,364.87	15.15	14.17	-104.03	-47.45	48.40	298.11	268.76	29.35	10.157		
6,600.00	6,506.70	6,375.00	6,364.87	15.34	14.17	-80.77	-47.45	48.40	322.84	292.84	30.00	10.762		
6,625.00	6,516.58	6,369.23	6,359.77	15.55	14.16	-53.87	-47.59	45.70	347.48	321.63	25.85	13.442		
6,650.00	6,525.03	6,367.47	6,358.21	15.79	14.15	-38.91	-47.63	44.89	372.08	350.66	21.42	17.372		
6,675.00	6,532.04	6,365.05	6,358.06	16.04	14.15	-29.23	-47.69	43.79	396.49	378.72	17.77	22.314		
6,700.00	6,537.56	6,362.03	6,353.36	16.31	14.14	-22.88	-47.76	42.44	420.63	405.62	15.01	28.020		
6,725.00	6,541.59	6,358.48	6,350.17	16.60	14.13	-18.54	-47.84	40.86	444.44	431.49	12.96	34.304		
6,750.00	6,544.10	6,350.00	6,342.51	16.91	14.11	-15.16	-48.03	37.23	467.91	456.57	11.34	41.255		
6,775.00	6,545.09	6,350.00	6,342.51	17.23	14.11	-13.18	-48.03	37.23	490.85	480.38	10.46	46.908		
6,787.98	6,545.00	6,350.00	6,342.51	17.40	14.11	-12.33	-48.03	37.23	502.60	492.43	10.17	49.421		
6,800.00	6,544.73	6,350.00	6,342.51	17.56	14.11	-12.33	-48.03	37.23	513.46	503.21	10.25	50.110		
6,900.00	6,542.46	6,325.00	6,319.51	19.05	14.05	-11.38	-48.54	27.46	604.51	593.96	10.55	57.319		
7,000.00	6,540.20	6,313.21	6,308.47	20.74	14.02	-10.97	-48.76	23.34	697.13	686.02	11.11	62.747		
7,100.00	6,537.93	6,300.00	6,295.96	22.58	14.00	-10.54	-48.98	19.10	790.97	779.27	11.70	67.609		
7,200.00	6,535.66	6,290.52	6,286.91	24.54	13.98	-10.25	-49.12	16.31	885.73	873.36	12.37	71.608		
7,300.00	6,533.40	6,275.00	6,271.94	26.59	13.94	-9.79	-49.34	12.19	981.30	968.32	12.98	75.625		
7,400.00	6,531.13	6,275.00	6,271.94	28.71	13.94	-9.79	-49.34	12.19	1,077.33	1,063.51	13.81	77.995		
7,500.00	6,528.86	6,275.00	6,271.94	30.89	13.94	-9.79	-49.34	12.19	1,174.01	1,159.35	14.67	80.052		
7,600.00	6,526.60	6,260.67	6,258.00	33.12	13.91	-9.40	-49.51	8.90	1,270.89	1,255.58	15.31	83.012		
7,700.00	6,524.33	6,250.00	6,247.54	35.38	13.89	-9.12	-49.62	6.76	1,368.25	1,352.24	16.01	85.447		
7,800.00	6,522.06	6,250.00	6,247.54	37.68	13.89	-9.12	-49.62	6.76	1,465.81	1,448.93	16.88	86.848		
7,900.00	6,519.80	6,250.00	6,247.54	40.00	13.89	-9.12	-49.62	6.76	1,563.67	1,545.93	17.75	88.098		
8,000.00	6,517.53	6,250.00	6,247.54	42.34	13.89	-9.12	-49.62	6.76	1,661.80	1,643.17	18.53	89.220		
8,100.00	6,515.26	6,238.43	6,236.15	44.70	13.87	-8.84	-49.73	4.76	1,759.93	1,740.62	19.31	91.148		
8,200.00	6,513.00	6,225.00	6,222.86	47.08	13.84	-8.52	-49.83	2.83	1,858.46	1,838.50	19.96	93.108		
8,300.00	6,510.73	6,225.00	6,222.86	49.47	13.84	-8.52	-49.83	2.83	1,956.91	1,936.07	20.83	93.939		
8,400.00	6,508.46	6,225.00	6,222.86	51.87	13.84	-8.52	-49.83	2.83	2,055.50	2,033.79	21.71	94.699		
8,500.00	6,506.20	6,225.00	6,222.86	54.27	13.84	-8.52	-49.83	2.83	2,154.22	2,131.64	22.58	95.397		
8,600.00	6,503.93	6,225.00	6,222.86	56.69	13.84	-8.52	-49.83	2.83	2,253.05	2,229.59	23.46	96.039		
8,700.00	6,501.66	6,225.00	6,222.86	59.12	13.84	-8.52	-49.83	2.83	2,351.99	2,327.65	24.34	96.632		
8,800.00	6,499.40	6,225.00	6,222.86	61.55	13.84	-8.52	-49.83	2.83	2,451.01	2,425.79	25.22	97.182		
8,900.00	6,497.13	6,225.00	6,222.86	63.99	13.84	-8.52	-49.83	2.83	2,550.10	2,524.00	26.10	97.693		
9,000.00	6,494.86	6,225.00	6,222.86	66.43	13.84	-8.52	-49.83	2.83	2,649.27	2,622.28	26.99	98.169		
9,100.00	6,492.60	6,225.00	6,222.86	68.88	13.84	-8.52	-49.83	2.83	2,748.49	2,720.62	27.87	98.613		
9,200.00	6,490.33	6,213.21	6,211.14	71.33	13.82	-8.25	-49.90	1.50	2,847.58	2,819.08	28.50	99.921		
9,300.00	6,488.06	6,211.73	6,209.67	73.79	13.81	-8.22	-49.90	1.36	2,946.86	2,917.51	29.35	100.421		
9,400.00	6,485.80	6,200.00	6,197.98	76.25	13.79	-7.97	-49.95	0.41	3,046.32	3,016.35	29.97	101.650		
9,500.00	6,483.53	6,200.00	6,197.98	78.71	13.79	-7.97	-49.95	0.41	3,145.64	3,114.80	30.84	101.993		
9,600.00	6,481.26	6,200.00	6,197.98	81.17	13.79	-7.97	-49.95	0.41	3,245.01	3,213.29	31.72	102.316		
9,700.00	6,479.00	6,200.00	6,197.98	83.64	13.79	-7.97	-49.95	0.41	3,344.41	3,311.82	32.59	102.622		
9,800.00	6,476.73	6,200.00	6,197.98	86.11	13.79	-7.97	-49.95	0.41	3,443.84	3,410.38	33.46	102.911		
9,900.00	6,474.46	6,200.00	6,197.98	88.58	13.79	-7.97	-49.95	0.41	3,543.31	3,508.97	34.34	103.185		
10,000.00	6,472.20	6,200.00	6,197.98	91.06	13.79	-7.97	-49.95	0.41	3,642.81	3,607.59	35.22	103.444		
10,100.00	6,469.93	6,200.00	6,197.98	93.53	13.79	-7.97	-49.95	0.41	3,742.33	3,706.24	36.09	103.691		

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 51H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 3202' + KB 25' @ 3227.00usft (Cactus 126)
Reference Site:	Burton Flat Deep Unit	MD Reference:	GE 3202' + KB 25' @ 3227.00usft (Cactus 126)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	51H	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 #2	Offset-TVD Reference:	Reference Datum

Offset Design: Burton Flat Deep Unit - 55H - OH - Plan #1														Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD														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)	Offset Wellbore Centre E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
10,200.00	6,467.66	6,200.00	6,197.98	96.01	13.79	-7.97	-49.95	0.41	3,841.88	3,804.91	36.97	103.926			
10,300.00	6,465.40	6,200.00	6,197.98	98.49	13.79	-7.97	-49.95	0.41	3,941.45	3,903.61	37.84	104.150			
10,400.00	6,463.13	6,200.00	6,197.98	100.97	13.79	-7.97	-49.95	0.41	4,041.04	4,002.32	38.72	104.363			
10,500.00	6,460.86	6,200.00	6,197.98	103.45	13.79	-7.97	-49.95	0.41	4,140.66	4,101.06	39.60	104.567			
10,600.00	6,458.60	6,200.00	6,197.98	105.94	13.79	-7.97	-49.95	0.41	4,240.29	4,199.81	40.48	104.762			
10,700.00	6,456.33	6,200.00	6,197.98	108.42	13.79	-7.97	-49.95	0.41	4,339.93	4,298.58	41.35	104.948			
10,800.00	6,454.06	6,200.00	6,197.98	110.90	13.79	-7.97	-49.95	0.41	4,439.60	4,397.37	42.23	105.126			
10,900.00	6,451.80	6,200.00	6,197.98	113.39	13.79	-7.97	-49.95	0.41	4,539.28	4,496.17	43.11	105.297			
11,000.00	6,449.53	6,200.00	6,197.98	115.88	13.79	-7.97	-49.95	0.41	4,638.97	4,594.98	43.99	105.461			
11,100.00	6,447.26	6,200.00	6,197.98	118.37	13.79	-7.97	-49.95	0.41	4,738.67	4,693.81	44.87	105.618			
11,200.00	6,445.00	6,200.00	6,197.98	120.85	13.79	-7.97	-49.95	0.41	4,838.39	4,792.64	45.74	105.769			
11,288.13	6,443.00	6,200.00	6,197.98	123.05	13.79	-7.97	-49.95	0.41	4,926.28	4,879.76	46.52	105.898			

DEVON ENERGY

Project: Eddy County, NM (NAD-83)

Site: Burton Flat Deep Unit

Well: 51H

Wellbore: OH

Design: Plan #2



Azimuths to Grid North

True North: -0.09°

Magnetic North: 7.57°

Magnetic Field

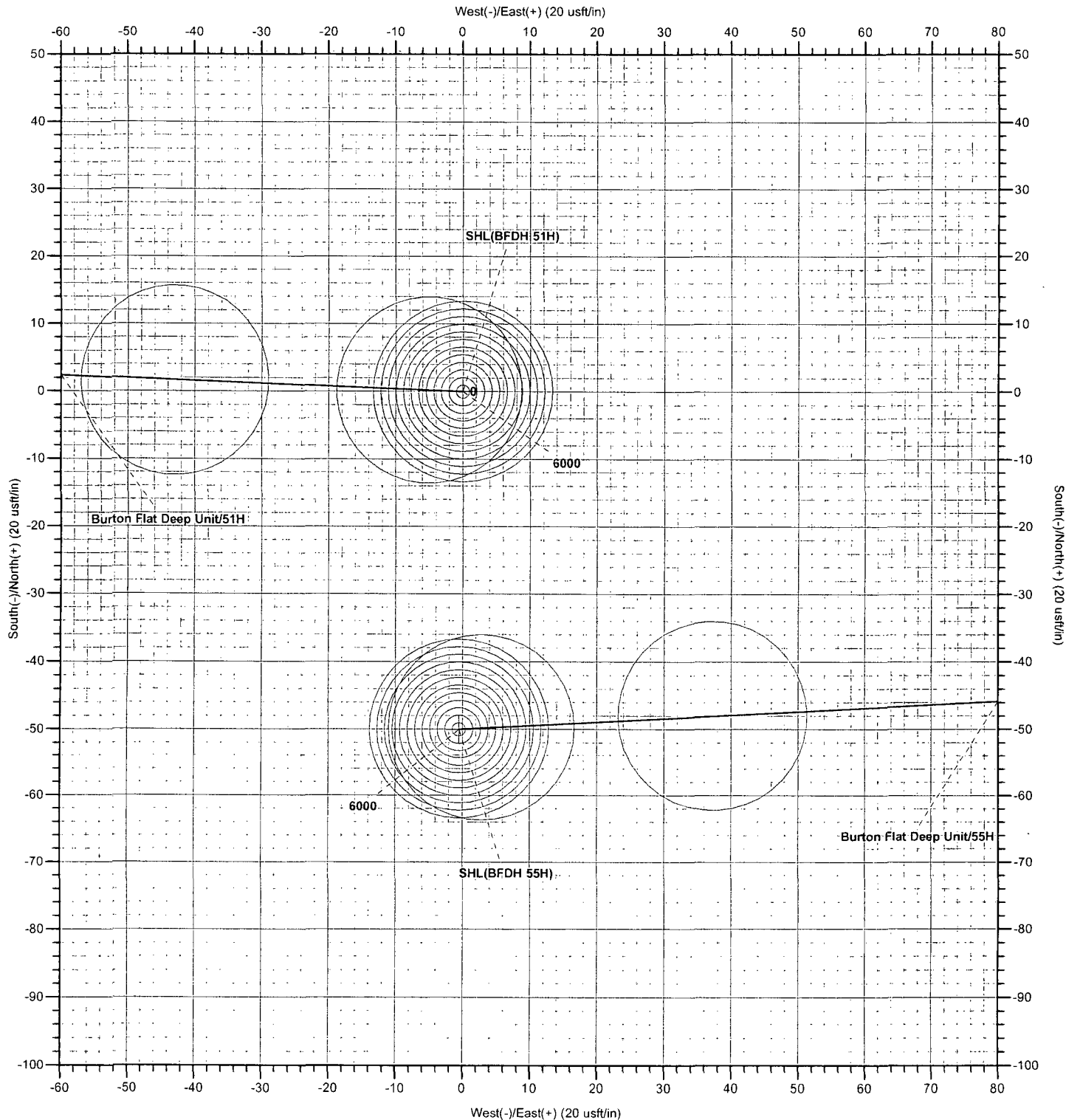
Strength: 48545.1nT

Dip Angle: 60.31°

Date: 04/08/2013

Model: IGRF2010

devon



LEAM DRILLING SYSTEMS LLC
2010 East Davis, Conroe, Texas 77301
Phone: 936/756-7577, Fax 936/756-7595

Plan: Plan #2 (51H/OH)
Burton Flat Deep Unit
Created By: Tyler Carlson Date: 12/23, April 12 2013
Date: _____
Approved: _____ Date: _____