Results of Directional Survey

API number:	30-025-40048			
OGRID:		Operator:	DEVON ENERGY PRODUCTION COMPANY, LP	
		Property:	TRIONYX 6 FEDERAL	# 8H

surface	ULSTR:	P	06	T	25S	R	32E
				200	FSL	635	FEL
BH Loc	ULSTR:	A	06	T	25S	R	32E
15243	MD	10555.0	TVD	352	FNL	373	FEL
				4928	FSL		
Top Perf/OH	ULSTR:	P	06	T	25S	R	32E
10920	MD	10543.0	TVD	608	FSL	282	FEL
Bot Perf/OH	ULSTR:	A	06	T	25S	R	32E
15152	MD	10553.7	TVD	443	FNL	376	FEL
				4837	FSL		

	MD	N/S	E/W	VD
	10910	397.54	317.24	10542.34
TOP PERFS/OH	**10920**	407.50	353.10	10542.98
	10941	428.42	428.42	10544.31
	15121	4605.87	258.56	10553.23
BOT PERFS/OH	**15152**	4636.86	259.24	10553.72
	15188	4672.85	260.02	10554.28

NEXT TO LAST	15188	4672.85	260.02	10554.28
LAST READING	15243	4727.82	261.65	10554.95
TD	**15243**	4727.82	261.65	10554.95

Surface Location	200	FS	635	FE
Projected BHL	4928	FS	373	FE
Location of				
Top Perfs/OH	608	FS	282	FE
Bottom Perfs/OH	4837	FS	376	FE

SUMMARY of Subsurface Locations

Surface Location	P-06-25S-32E	200	FS	635	FE	Vert. Depth
Top Perfs/OH	P-06-25S-32E	608	FS	282	FE	10542.98
Bottom Perfs/OH	A-06-25S-32E	4837	FS	376	FE	10553.72
Projected TD	A-06-25S-32E	4928	FS	373	FE	10554.95

devon

Perforation Summary

District	County	Field Name	Project Group	State/Province
PERMIAN BASIN	LEA	PADUCA	DELAWARE BASIN	NM

Surface Legal Location	API/UWI	Latitude (°)	Longitude (°)	Ground Elev MSL (ft)	KB - Ground Level (ft)	Orig KB Elevation (ft)	Tubing Head Elevation (ft)
SEC 6 T25S R32E	3002540048	32° 9' 9.58" N	103° 42' 28.243" W	3,447.30	28.00	3,475.30	

Date	Zone	Top (ftKB)	Top (TVD) (ftKB)	Btm (ftKB)	Btm (TVD) (ftKB)	Current Status	Carrier Des	Gun Size (in)	Charge Type	Chg Sz (g)	Shot Dens (shots/ft)	Phasing (°)	Conveyance Method
4/5/2013	BONE SPRING, ST01	10,920.0	10,542.7	10,922.0	10,542.8			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/5/2013	BONE SPRING, ST01	11,105.0	10,542.5	11,107.0	10,542.4			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/5/2013	BONE SPRING, ST01	11,290.0	10,535.8	11,292.0	10,535.7			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/5/2013	BONE SPRING, ST01	11,475.0	10,532.6	11,477.0	10,532.6			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/5/2013	BONE SPRING, ST01	11,660.0	10,529.6	11,662.0	10,529.6			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/5/2013	BONE SPRING, ST01	11,845.0	10,529.5	11,847.0	10,529.6			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/5/2013	BONE SPRING, ST01	12,030.0	10,534.5	12,032.0	10,534.6			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/5/2013	BONE SPRING, ST01	12,215.0	10,536.4	12,217.0	10,536.5			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/5/2013	BONE SPRING, ST01	12,400.0	10,542.1	12,402.0	10,542.1			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/4/2013	BONE SPRING, ST01	12,585.0	10,545.5	12,587.0	10,545.5			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/4/2013	BONE SPRING, ST01	12,770.0	10,544.6	12,772.0	10,544.6			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/4/2013	BONE SPRING, ST01	12,955.0	10,542.8	12,957.0	10,542.8			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/4/2013	BONE SPRING, ST01	13,140.0	10,546.0	13,142.0	10,546.1			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/4/2013	BONE SPRING, ST01	13,325.0	10,545.5	13,327.0	10,545.5			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/4/2013	BONE SPRING, ST01	13,510.0	10,545.3	13,512.0	10,545.3			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/4/2013	BONE SPRING, ST01	13,695.0	10,543.8	13,697.0	10,543.9			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/4/2013	BONE SPRING, ST01	13,880.0	10,546.5	13,882.0	10,546.5			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/4/2013	BONE SPRING, ST01	14,065.0	10,549.0	14,067.0	10,549.0			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/3/2013	BONE SPRING, ST01	14,250.0	10,548.7	14,252.0	10,548.6			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/3/2013	BONE SPRING, ST01	14,435.0	10,547.3	14,437.0	10,547.4			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
4/3/2013	BONE SPRING, ST01	14,620.0	10,548.4	14,622.0	10,548.4			3 1/8	SHAPED	25.0	6.0	60	WIRELINE
3/28/2013	BONE SPRING, ST01	14,805.0	10,549.4	14,807.0	10,549.4			3 1/8	SHAPED	25.0	6.0	60	TUBING
3/28/2013	BONE SPRING, ST01	14,920.0	10,550.1	14,922.0	10,550.1			3 1/8	SHAPED	25.0	6.0	60	TUBING
3/28/2013	BONE SPRING, ST01	15,035.0	10,551.9	15,037.0	10,551.9			3 1/8	SHAPED	25.0	6.0	60	TUBING
3/28/2013	BONE SPRING, ST01	15,150.0	10,554.2	15,152.0	10,554.2			3 1/8	SHAPED	25.0	6.0	60	TUBING

VES
VAUGHN ENERGY SERVICES
A GYRO TECHNOLOGIES INC. COMPANY

PO Box 261021
Corpus Christi, Texas 78426
(361) 767-0602 • (800) 606-GYRO • Fax (361) 767-0612

February 11, 2013

HOBBS OCD
OCT 23 2013
RECEIVED

Devon Energy Production Co., LP
333 West Sheridan Ave
Oklahoma City, Oklahoma 73102-5010

Attn: Patti Riechers

Re: **Trionyx 6 Federal No 008H**

Please find enclosed a copy of the survey from 0' to 10,768.56' ran on the above referenced well.

If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,

Keith Havelka
Operations

STATE OF TEXAS §
§
COUNTY OF NUECES §

This instrument was acknowledged before me on the 11th day of February A.D., 2013, by Keith Havelka.

Laura Ballew
Notary Public, State of Texas

LAURA BALLEW
Notary Public, State of Texas
My Commission Expires
January 28, 2014

Company: Devon Energy Production Co., LP
Lease/Well: Trionyx 6 Federal/No 008H

Rig Name: Cactus #105
State/County: New Mexico/Lea
Latitude: 32.15, Longitude: -103.71
GRID North is 0.33 Degrees East of True North
VS-Azi: 0.00 Degrees

RKB : 28 Feet

DRILLOG MS GYRO SURVEY CALCULATIONS
Filename: trionyx 6 fed #8h gyro survey.ut
Minimum Curvature Method
Report Date/Time: 2/11/2013 / 10:20

Vaughn Energy Services
(432) 563-5444
Gardendale, TX
Surveyor: Dustin Wedel
Trionyx 6 Federal No 008H / API 30-025-40048

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
145.36	0.16	317.45	145.36	0.15	-0.14	0.15	0.20	317.45	0.11
240.21	0.48	258.76	240.21	0.17	-0.62	0.17	0.64	285.46	0.44
335.06	0.80	200.06	335.05	-0.53	-1.24	-0.53	1.34	246.84	0.72
429.91	0.48	186.07	429.90	-1.55	-1.51	-1.55	2.16	224.17	0.37
524.76	0.17	172.08	524.75	-2.09	-1.53	-2.09	2.59	216.22	0.34
619.61	0.46	153.26	619.59	-2.57	-1.34	-2.57	2.90	207.52	0.32
714.46	0.75	134.43	714.44	-3.35	-0.72	-3.35	3.42	192.14	0.37
809.31	0.78	125.25	809.28	-4.16	0.25	-4.16	4.16	176.53	0.13
904.16	0.80	117.08	904.12	-4.83	1.37	-4.83	5.02	164.20	0.12
999.01	0.81	125.78	998.96	-5.52	2.50	-5.52	6.06	155.65	0.13
1093.86	0.82	135.48	1093.80	-6.39	3.51	-6.39	7.30	151.20	0.15
1188.71	1.35	109.61	1188.64	-7.25	5.04	-7.25	8.83	145.20	0.75
1283.56	1.88	83.73	1283.45	-7.45	7.63	-7.45	10.67	134.33	0.93
1378.41	3.02	88.88	1378.21	-7.24	11.67	-7.24	13.73	121.79	1.23
1473.26	4.17	94.03	1472.87	-7.43	17.61	-7.43	19.12	112.87	1.26
1568.11	4.07	97.03	1567.48	-8.08	24.39	-8.08	25.70	108.33	0.25
1662.96	3.96	99.02	1662.10	-9.01	30.97	-9.01	32.25	106.22	0.18
1757.81	4.52	95.13	1756.69	-9.86	37.93	-9.86	39.19	104.57	0.66

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1852.66	5.08	97.24	1851.20	-10.72	45.82	-10.72	47.06	103.17	0.62
1947.51	5.09	105.64	1945.68	-12.38	54.04	-12.38	55.44	102.91	0.78
2042.36	5.09	116.04	2040.16	-15.36	61.86	-15.36	63.74	103.94	0.97
2137.21	5.76	122.38	2134.58	-19.76	69.66	-19.76	72.41	105.83	0.95
2232.06	6.43	117.73	2228.90	-24.78	78.38	-24.78	82.20	107.54	0.88
2326.91	6.94	104.37	2323.11	-28.67	88.64	-28.67	93.16	107.92	1.72
2421.76	7.46	93.01	2417.22	-30.42	100.34	-30.42	104.84	106.86	1.59
2516.61	7.45	107.45	2511.27	-32.58	112.35	-32.58	116.98	106.17	1.97
2611.46	7.43	119.89	2605.33	-37.48	123.53	-37.48	129.09	106.88	1.70
2706.31	7.46	121.38	2699.38	-43.75	134.11	-43.75	141.06	108.07	0.20
2801.16	7.49	124.86	2793.42	-50.49	144.44	-50.49	153.00	109.27	0.48
2896.01	7.48	123.00	2887.47	-57.38	154.69	-57.38	164.99	110.35	0.26
2990.86	7.48	129.14	2981.51	-64.65	164.66	-64.65	176.89	111.44	0.84
3085.71	6.44	193.58	3075.79	-73.73	168.20	-73.73	183.65	113.67	7.87
3180.56	5.40	266.01	3170.25	-79.22	162.49	-79.22	180.77	115.99	7.42
3275.41	4.96	246.13	3264.72	-81.19	154.28	-81.19	174.34	117.76	1.94
3370.26	4.52	226.25	3359.25	-85.44	147.83	-85.44	170.74	120.02	1.78
3465.11	3.39	170.71	3453.90	-90.79	145.58	-90.79	171.57	121.95	4.02
3559.96	2.27	115.17	3548.65	-94.36	147.74	-94.36	175.30	122.57	2.97
3654.81	2.87	112.41	3643.41	-96.06	151.63	-96.06	179.50	122.36	0.65
3749.66	3.48	109.64	3738.11	-97.94	156.54	-97.94	184.65	122.03	0.66
3844.51	3.55	81.97	3832.79	-98.49	162.16	-98.49	189.73	121.27	1.77
3939.36	3.62	54.31	3927.46	-96.34	167.50	-96.34	193.23	119.91	1.81
4034.21	3.62	76.83	4022.13	-93.91	172.85	-93.91	196.71	118.52	1.49
4129.06	3.62	97.34	4116.79	-93.61	178.73	-93.61	201.76	117.64	1.36
4223.91	3.62	114.99	4211.46	-95.26	184.42	-95.26	207.57	117.32	1.17
4318.76	3.62	133.63	4306.12	-98.59	189.30	-98.59	213.44	117.51	1.24
4413.61	2.65	49.74	4400.87	-99.24	193.15	-99.24	217.15	117.19	4.48
4508.46	1.69	26.84	4495.65	-96.57	195.45	-96.57	218.01	116.29	1.35
4603.31	1.24	4.23	4590.47	-94.31	196.16	-94.31	217.65	115.68	0.76
4698.16	0.79	41.63	4685.31	-92.80	196.67	-92.80	217.46	115.26	0.82
4793.01	0.86	110.75	4780.15	-92.56	197.76	-92.56	218.35	115.08	0.99
4887.86	0.93	180.87	4874.99	-93.58	198.42	-93.58	219.38	115.25	1.08
4982.71	0.79	105.99	4969.83	-94.52	199.03	-94.52	220.34	115.40	1.11
5077.56	0.65	36.11	5064.68	-94.27	199.98	-94.27	221.08	115.24	0.88
5172.41	0.71	85.66	5159.52	-93.79	200.88	-93.79	221.70	115.03	0.60
5267.26	0.76	135.20	5254.36	-94.19	201.91	-94.19	222.80	115.01	0.65
5362.11	0.53	130.66	5349.21	-94.93	202.69	-94.93	223.82	115.10	0.25
5456.96	0.30	120.11	5444.05	-95.34	203.24	-95.34	224.49	115.13	0.26

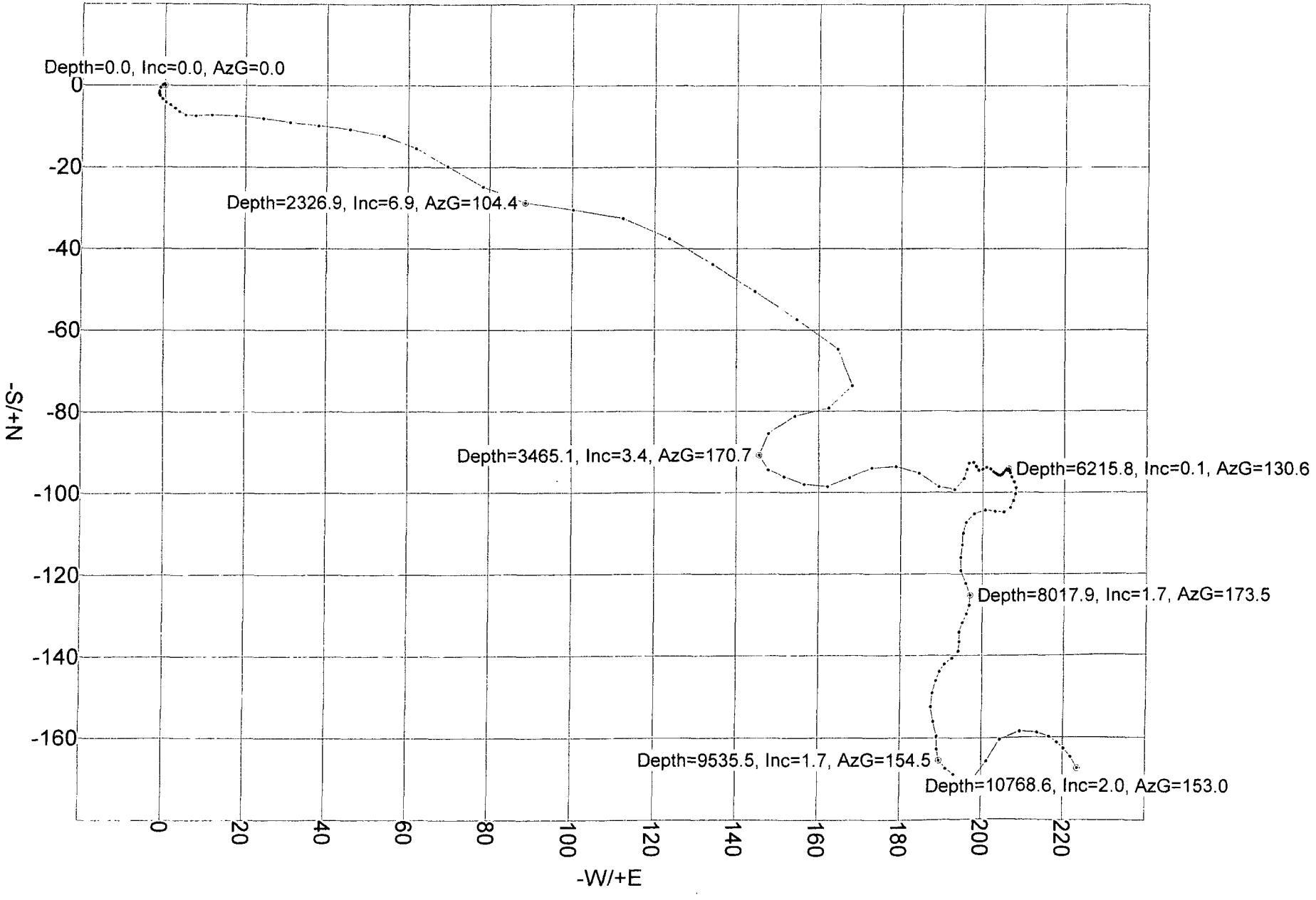
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5551.81	0.25	123.41	5538.90	-95.58	203.63	-95.58	224.94	115.14	0.05
5646.66	0.20	116.71	5633.75	-95.77	203.95	-95.77	225.32	115.15	0.06
5741.51	0.27	82.95	5728.60	-95.82	204.33	-95.82	225.68	115.12	0.16
5836.36	0.34	49.19	5823.45	-95.61	204.76	-95.61	225.98	115.03	0.20
5931.21	0.41	23.92	5918.30	-95.11	205.11	-95.11	226.09	114.88	0.19
6026.06	0.48	58.66	6013.14	-94.60	205.59	-94.60	226.31	114.71	0.29
6120.91	0.27	65.13	6107.99	-94.30	206.13	-94.30	226.68	114.58	0.22
6215.76	0.06	130.59	6202.84	-94.24	206.38	-94.24	226.87	114.54	0.27
6310.61	0.32	159.28	6297.69	-94.52	206.51	-94.52	227.11	114.59	0.28
6405.46	0.57	162.96	6392.54	-95.22	206.74	-95.22	227.62	114.73	0.27
6500.31	0.73	156.61	6487.38	-96.23	207.12	-96.23	228.38	114.92	0.19
6595.16	0.89	152.27	6582.22	-97.44	207.71	-97.44	229.43	115.13	0.18
6690.01	0.93	173.90	6677.06	-98.86	208.13	-98.86	230.42	115.41	0.36
6784.86	0.96	195.54	6771.90	-100.39	208.00	-100.39	230.96	115.76	0.37
6879.71	1.07	195.43	6866.73	-102.01	207.55	-102.01	231.27	116.17	0.12
6974.56	1.18	212.33	6961.57	-103.68	206.80	-103.68	231.33	116.63	0.37
7069.41	1.31	255.36	7056.40	-104.78	205.23	-104.78	230.43	117.05	0.97
7164.26	1.44	290.40	7151.22	-104.64	203.06	-104.64	228.44	117.26	0.88
7259.11	1.65	266.46	7246.04	-104.31	200.58	-104.31	226.08	117.48	0.71
7353.96	1.86	236.52	7340.84	-105.24	197.93	-105.24	224.17	118.00	0.98
7448.81	1.75	207.92	7435.65	-107.37	195.97	-107.37	223.46	118.72	0.95
7543.66	1.64	180.31	7530.46	-110.00	195.29	-110.00	224.14	119.39	0.86
7638.51	1.79	185.10	7625.27	-112.84	195.15	-112.84	225.42	120.04	0.22
7733.36	1.95	189.89	7720.07	-115.90	194.74	-115.90	226.62	120.76	0.23
7828.21	2.03	169.64	7814.86	-119.13	194.76	-119.13	228.31	121.45	0.74
7923.06	2.11	149.40	7909.65	-122.29	195.95	-122.29	230.98	121.97	0.77
8017.91	1.72	173.51	8004.45	-125.20	197.00	-125.20	233.42	122.44	0.93
8112.76	1.33	197.63	8099.27	-127.66	196.83	-127.66	234.61	122.97	0.78
8207.61	1.39	200.03	8194.09	-129.79	196.10	-129.79	235.16	123.50	0.09
8302.46	1.45	206.44	8288.91	-131.95	195.18	-131.95	235.59	124.06	0.18
8397.31	1.47	189.36	8383.73	-134.22	194.44	-134.22	236.27	124.62	0.46
8492.16	1.48	168.27	8478.55	-136.62	194.49	-136.62	237.68	125.08	0.57
8587.01	1.48	204.83	8573.37	-138.93	194.23	-138.93	238.80	125.58	0.98
8681.86	1.48	237.39	8668.19	-140.70	192.68	-140.70	238.58	126.14	0.88
8776.71	1.37	225.36	8763.01	-142.16	190.84	-142.16	237.97	126.68	0.34
8871.56	1.26	203.33	8857.84	-143.91	189.62	-143.91	238.05	127.20	0.54
8966.41	1.67	199.00	8952.65	-146.17	188.76	-146.17	238.74	127.75	0.44
9061.26	2.07	194.68	9047.45	-149.13	187.88	-149.13	239.87	128.44	0.45
9156.11	2.16	177.62	9142.24	-152.58	187.52	-152.58	241.75	129.13	0.67

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
9250.96	2.25	160.56	9237.02	-156.12	188.21	-156.12	244.54	129.68	0.70
9345.81	2.03	172.57	9331.81	-159.54	189.05	-159.54	247.38	130.16	0.53
9440.66	1.81	184.58	9426.60	-162.70	189.15	-162.70	249.50	130.70	0.48
9535.51	1.67	154.46	9521.41	-165.44	189.63	-165.44	251.65	131.10	0.96
9630.36	1.54	124.35	9616.22	-167.40	191.27	-167.40	254.18	131.19	0.89
9725.21	1.41	126.50	9711.04	-168.81	193.26	-168.81	256.61	131.14	0.15
9820.06	1.27	120.64	9805.87	-170.04	195.10	-170.04	258.80	131.07	0.20
9914.91	2.77	70.13	9900.66	-169.80	198.16	-169.80	260.96	130.59	2.31
10009.76	4.26	15.61	9995.36	-165.63	201.26	-165.63	260.65	129.45	3.67
10104.61	3.62	52.23	10090.00	-160.41	204.57	-160.41	259.96	128.10	2.68
10199.46	2.97	88.84	10184.70	-158.53	209.40	-158.53	262.64	127.13	2.27
10294.31	2.25	101.72	10279.45	-158.85	213.68	-158.85	266.26	126.63	0.98
10389.16	1.53	118.59	10374.25	-159.84	216.61	-159.84	269.20	126.42	0.95
10484.01	1.37	135.00	10469.07	-161.25	218.53	-161.25	271.58	126.42	0.46
10578.86	1.23	129.03	10563.89	-162.69	220.12	-162.69	273.72	126.47	0.21
10673.71	1.90	146.39	10658.71	-164.64	221.78	-164.64	276.21	126.59	0.86
10768.56	2.04	153.05	10753.50	-167.45	223.41	-167.45	279.20	126.85	0.28

devon

Vaughn Energy Services
(432) 563-5444
Gardendale, TX
Surveyor: Dustin Wedel
Trionyx 6 Federal No 008H / API 30-025-40048

VES
VAUGHN ENERGY SERVICES



DEVON ENERGY

Project: Lea County, NM (NAD-83)
Site: Trionyx "6' Fed
Well: 8H
Wellbore: OH
Design: OH

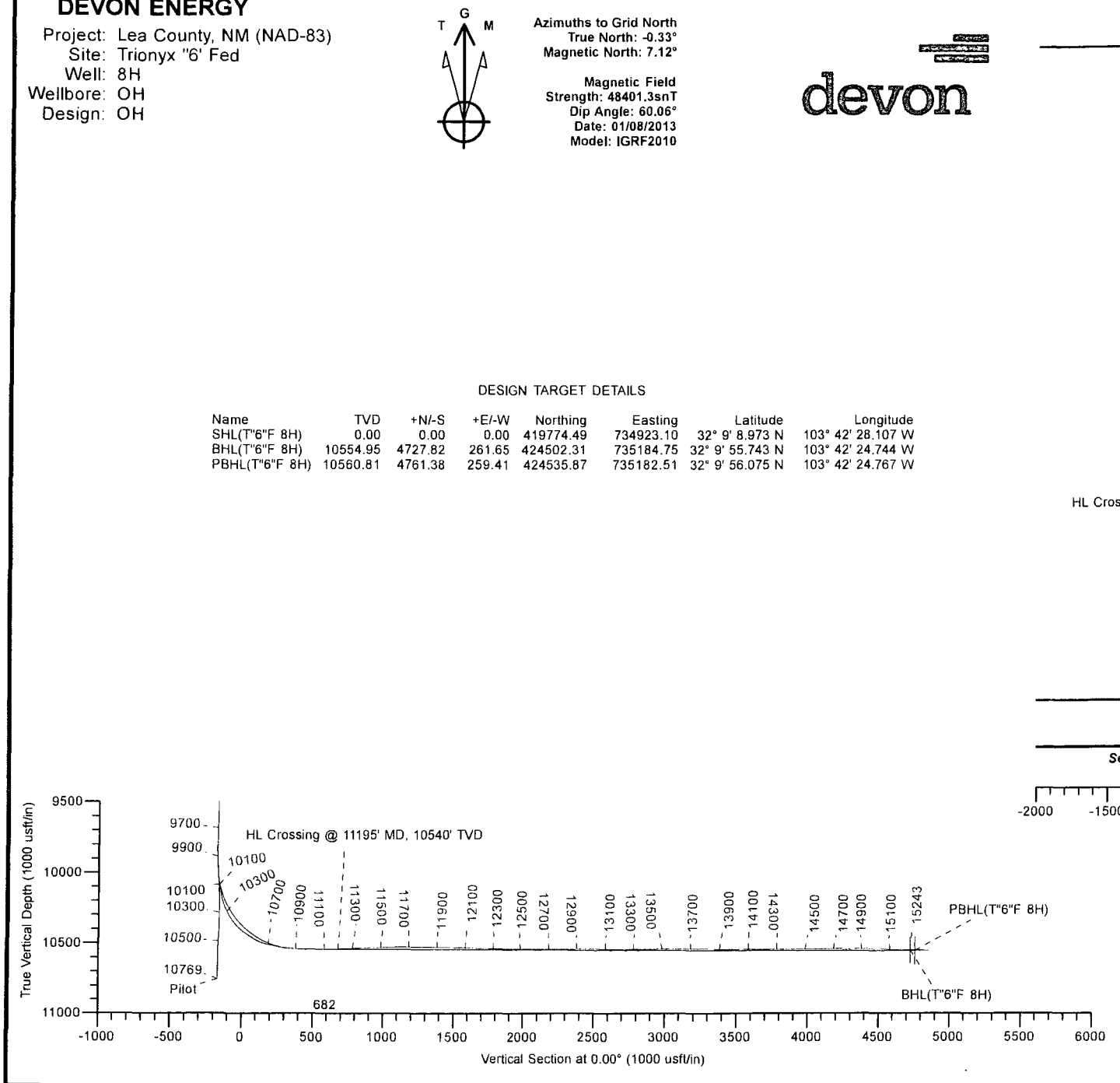
Azimuths to Grid North
True North: -0.33°
Magnetic North: 7.12°

Magnetic Field
Strength: 48401.3snT
Dip Angle: 60.06°
Date: 01/08/2013
Model: IGRF2010

devon

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL(T"6"F 8H)	0.00	0.00	0.00	419774.49	734923.10	32° 9' 8.973 N	103° 42' 28.107 W
BHL(T"6"F 8H)	10554.95	4727.82	261.65	424502.31	735184.75	32° 9' 55.743 N	103° 42' 24.744 W
PBHL(T"6"F 8H)	10560.81	4761.38	259.41	424535.87	735182.51	32° 9' 56.075 N	103° 42' 24.767 W



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

Design: OH (8H/OH)
Trionyx "6' Fed
Created By: Tyler Carlson Date: 11:23, April 10 2013
Date: _____
Approved: _____ Date: _____

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 8H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Site:	Trionyx "6' Fed	**MD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Well:	8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Project Lea County, NM (NAD-83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Trionyx "6' Fed

Site Position:		**Northing:**	419,774.49 usft	**Latitude:**	32° 9' 8.973 N
From:	Map	**Easting:**	734,923.10 usft	**Longitude:**	103° 42' 28.107 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.33 °

Well 8H

Well Position	**+N/-S**	0.00 usft	**Northing:**	419,774.49 usft	**Latitude:**	32° 9' 8.973 N
	+E/-W	0.00 usft	**Easting:**	734,923.10 usft	**Longitude:**	103° 42' 28.107 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,447.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	01/08/13	7.45	60.06	48,401

Design OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	10,009.76

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	0.00

Survey Program **Date** 04/10/13

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
145.36	10,009.76	Survey #1 (Pilot)	NS-GYRO-MS	North sensing gyrocompassing m/s
10,091.00	15,188.00	Survey #1 (OH)	LEAM MWD	MWD - Standard
15,243.00	15,243.00	Survey #2 (OH)	Project	Projection

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHL(T"6"F 8H)									
145.36	0.16	317.45	145.36	0.15	-0.14	0.15	0.11	0.11	0.00
240.21	0.48	258.76	240.21	0.17	-0.62	0.17	0.44	0.34	-61.88
335.06	0.80	200.06	335.05	-0.53	-1.23	-0.53	0.72	0.34	-61.89
429.91	0.48	186.07	429.90	-1.55	-1.50	-1.55	0.37	-0.34	-14.75
524.76	0.17	172.08	524.75	-2.08	-1.53	-2.08	0.33	-0.33	-14.75
619.61	0.46	153.26	619.59	-2.56	-1.33	-2.56	0.32	0.31	-19.84
714.46	0.75	134.43	714.44	-3.34	-0.72	-3.34	0.37	0.31	-19.85

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 8H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Site:	Trionyx "6' Fed	**MD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Well:	8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
809.31	0.78	125.25	809.28	-4.14	0.25	-4.14	0.13	0.03	-9.68
904.16	0.80	117.08	904.12	-4.82	1.37	-4.82	0.12	0.02	-8.61
999.01	0.81	125.78	998.96	-5.51	2.50	-5.51	0.13	0.01	9.17
1,093.86	0.82	135.48	1,093.80	-6.39	3.52	-6.39	0.15	0.01	10.23
1,188.71	1.35	109.61	1,188.64	-7.24	5.05	-7.24	0.75	0.56	-27.27
1,283.56	1.88	83.73	1,283.45	-7.45	7.65	-7.45	0.94	0.56	-27.29
1,378.41	3.02	88.88	1,378.21	-7.23	11.69	-7.23	1.22	1.20	5.43
1,473.26	4.17	94.03	1,472.87	-7.42	17.63	-7.42	1.26	1.21	5.43
1,568.11	4.07	97.03	1,567.48	-8.08	24.41	-8.08	0.25	-0.11	3.16
1,662.96	3.96	99.02	1,662.10	-9.00	30.99	-9.00	0.19	-0.12	2.10
1,757.81	4.52	95.13	1,756.69	-9.85	37.94	-9.85	0.66	0.59	-4.10
1,852.66	5.08	97.24	1,851.20	-10.72	45.83	-10.72	0.62	0.59	2.22
1,947.51	5.09	105.64	1,945.68	-12.38	54.05	-12.38	0.78	0.01	8.86
2,042.36	5.09	116.04	2,040.16	-15.36	61.88	-15.36	0.97	0.00	10.96
2,137.21	5.76	122.38	2,134.58	-19.76	69.68	-19.76	0.95	0.71	6.68
2,232.06	6.43	117.73	2,228.90	-24.78	78.40	-24.78	0.88	0.71	-4.90
2,326.91	6.94	104.37	2,323.11	-28.67	88.66	-28.67	1.72	0.54	-14.09
2,421.76	7.46	93.01	2,417.21	-30.42	100.36	-30.42	1.59	0.55	-11.98
2,516.61	7.45	107.45	2,511.27	-32.58	112.37	-32.58	1.97	-0.01	15.22
2,611.46	7.43	119.89	2,605.33	-37.48	123.56	-37.48	1.70	-0.02	13.12
2,706.31	7.46	121.38	2,699.38	-43.75	134.13	-43.75	0.21	0.03	1.57
2,801.16	7.49	124.86	2,793.42	-50.49	144.46	-50.49	0.48	0.03	3.67
2,896.01	7.48	123.00	2,887.47	-57.38	154.71	-57.38	0.26	-0.01	-1.96
2,990.86	7.48	129.14	2,981.51	-64.64	164.68	-64.64	0.84	0.00	6.47
3,085.71	6.44	193.58	3,075.79	-73.72	168.22	-73.72	7.87	-1.10	67.94
3,180.56	5.40	266.01	3,170.25	-79.21	162.51	-79.21	7.42	-1.10	76.36
3,275.41	4.96	246.13	3,264.72	-81.18	154.31	-81.18	1.94	-0.46	-20.96
3,370.26	4.52	226.25	3,359.25	-85.42	147.86	-85.42	1.78	-0.46	-20.96
3,465.11	3.39	170.71	3,453.91	-90.78	145.61	-90.78	4.02	-1.19	-58.56
3,559.96	2.27	115.17	3,548.65	-94.35	147.77	-94.35	2.97	-1.18	-58.56
3,654.81	2.87	112.41	3,643.41	-96.05	151.66	-96.05	0.65	0.63	-2.91
3,749.66	3.48	109.64	3,738.11	-97.92	156.57	-97.92	0.66	0.64	-2.92
3,844.51	3.55	81.97	3,832.79	-98.48	162.19	-98.48	1.77	0.07	-29.17
3,939.36	3.62	54.31	3,927.46	-96.32	167.53	-96.32	1.81	0.07	-29.16
4,034.21	3.62	76.83	4,022.13	-93.89	172.88	-93.89	1.49	0.00	23.74
4,129.06	3.62	97.34	4,116.79	-93.59	178.76	-93.59	1.36	0.00	21.62
4,223.91	3.62	114.99	4,211.46	-95.24	184.45	-95.24	1.17	0.00	18.61
4,318.76	3.62	133.63	4,306.12	-98.57	189.33	-98.57	1.24	0.00	19.65
4,413.61	2.65	49.74	4,400.87	-99.22	193.17	-99.22	4.48	-1.02	-88.44
4,508.46	1.69	26.84	4,495.65	-96.56	195.47	-96.56	1.34	-1.01	-24.14
4,603.31	1.24	4.23	4,590.47	-94.29	196.18	-94.29	0.76	-0.47	-23.84
4,698.16	0.79	41.63	4,685.31	-92.77	196.69	-92.77	0.82	-0.47	39.43
4,793.01	0.86	110.75	4,780.15	-92.54	197.79	-92.54	0.99	0.07	72.87

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 8H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Site:	Trionyx "6" Fed	**MD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Well:	8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,887.86	0.93	180.87	4,874.99	-93.56	198.45	-93.56	1.09	0.07	73.93
4,982.71	0.79	105.99	4,969.83	-94.51	199.06	-94.51	1.11	-0.15	-78.95
5,077.56	0.65	36.11	5,064.68	-94.25	200.01	-94.25	0.88	-0.15	-73.67
5,172.41	0.71	85.66	5,159.52	-93.77	200.91	-93.77	0.60	0.06	52.24
5,267.26	0.76	135.20	5,254.36	-94.18	201.94	-94.18	0.65	0.05	52.23
5,362.11	0.53	130.66	5,349.21	-94.91	202.72	-94.91	0.25	-0.24	-4.79
5,456.96	0.30	120.11	5,444.05	-95.32	203.26	-95.32	0.25	-0.24	-11.12
5,551.81	0.25	123.41	5,538.90	-95.56	203.65	-95.56	0.06	-0.05	3.48
5,646.66	0.20	116.71	5,633.75	-95.75	203.97	-95.75	0.06	-0.05	-7.06
5,741.51	0.27	82.95	5,728.60	-95.79	204.34	-95.79	0.16	0.07	-35.59
5,836.36	0.34	49.19	5,823.45	-95.58	204.78	-95.58	0.20	0.07	-35.59
5,931.21	0.41	23.92	5,918.30	-95.09	205.13	-95.09	0.19	0.07	-26.64
6,026.06	0.48	58.66	6,013.15	-94.57	205.60	-94.57	0.29	0.07	36.63
6,120.91	0.27	65.13	6,107.99	-94.27	206.15	-94.27	0.23	-0.22	6.82
6,215.76	0.06	130.59	6,202.84	-94.21	206.39	-94.21	0.26	-0.22	69.01
6,310.61	0.32	159.28	6,297.69	-94.49	206.52	-94.49	0.28	0.27	30.25
6,405.46	0.57	162.96	6,392.54	-95.19	206.75	-95.19	0.27	0.26	3.88
6,500.31	0.73	156.61	6,487.38	-96.19	207.13	-96.19	0.18	0.17	-6.69
6,595.16	0.89	152.27	6,582.22	-97.40	207.71	-97.40	0.18	0.17	-4.58
6,690.01	0.93	173.90	6,677.06	-98.82	208.14	-98.82	0.36	0.04	22.80
6,784.86	0.96	195.54	6,771.90	-100.35	208.00	-100.35	0.38	0.03	22.81
6,879.71	1.07	195.43	6,866.74	-101.97	207.56	-101.97	0.12	0.12	-0.12
6,974.56	1.18	212.33	6,961.57	-103.65	206.80	-103.65	0.37	0.12	17.82
7,069.41	1.31	255.36	7,056.40	-104.75	205.23	-104.75	0.97	0.14	45.37
7,164.26	1.44	290.40	7,151.22	-104.60	203.06	-104.60	0.88	0.14	36.94
7,259.11	1.65	266.46	7,246.04	-104.27	200.58	-104.27	0.71	0.22	-25.24
7,353.96	1.86	236.52	7,340.85	-105.21	197.93	-105.21	0.98	0.22	-31.57
7,448.81	1.75	207.92	7,435.65	-107.34	195.97	-107.34	0.95	-0.12	-30.15
7,543.66	1.64	180.31	7,530.46	-109.97	195.29	-109.97	0.86	-0.12	-29.11
7,638.51	1.79	185.10	7,625.27	-112.80	195.15	-112.80	0.22	0.16	5.05
7,733.36	1.95	189.89	7,720.07	-115.87	194.74	-115.87	0.24	0.17	5.05
7,828.21	2.03	169.64	7,814.86	-119.11	194.76	-119.11	0.74	0.08	-21.35
7,923.06	2.11	149.40	7,909.65	-122.27	195.95	-122.27	0.77	0.08	-21.34
8,017.91	1.72	173.51	8,004.45	-125.19	197.00	-125.19	0.93	-0.41	25.42
8,112.76	1.33	197.63	8,099.27	-127.65	196.83	-127.65	0.78	-0.41	25.43
8,207.61	1.39	200.03	8,194.09	-129.78	196.10	-129.78	0.09	0.06	2.53
8,302.46	1.45	206.44	8,288.91	-131.93	195.18	-131.93	0.18	0.06	6.76
8,397.31	1.47	189.36	8,383.73	-134.21	194.44	-134.21	0.46	0.02	-18.01
8,492.16	1.48	168.27	8,478.55	-136.61	194.49	-136.61	0.57	0.01	-22.24
8,587.01	1.48	204.83	8,573.37	-138.92	194.23	-138.92	0.98	0.00	38.55
8,681.86	1.48	237.39	8,668.19	-140.69	192.68	-140.69	0.87	0.00	34.33
8,776.71	1.37	225.36	8,763.01	-142.15	190.84	-142.15	0.34	-0.12	-12.68
8,871.56	1.26	203.33	8,857.84	-143.90	189.62	-143.90	0.54	-0.12	-23.23
8,966.41	1.67	199.00	8,952.66	-146.17	188.76	-146.17	0.45	0.43	-4.57

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 8H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Site:	Trionyx "6" Fed	**MD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Well:	8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,061.26	2.07	194.68	9,047.45	-149.13	187.88	-149.13	0.45	0.42	-4.55
9,156.11	2.16	177.62	9,142.24	-152.57	187.52	-152.57	0.67	0.09	-17.99
9,250.96	2.25	160.56	9,237.02	-156.12	188.21	-156.12	0.70	0.09	-17.99
9,345.81	2.03	172.57	9,331.81	-159.54	189.05	-159.54	0.53	-0.23	12.66
9,440.66	1.81	184.58	9,426.60	-162.70	189.15	-162.70	0.48	-0.23	12.66
9,535.51	1.67	154.46	9,521.41	-165.44	189.62	-165.44	0.96	-0.15	-31.76
9,630.36	1.54	124.35	9,616.23	-167.40	191.27	-167.40	0.89	-0.14	-31.74
9,725.21	1.41	126.50	9,711.04	-168.82	193.26	-168.82	0.15	-0.14	2.27
9,820.06	1.27	120.64	9,805.87	-170.05	195.10	-170.05	0.21	-0.15	-6.18
9,914.91	2.77	70.13	9,900.66	-169.80	198.16	-169.80	2.31	1.58	-53.25
10,009.76	4.26	15.61	9,995.36	-165.63	201.27	-165.63	3.67	1.57	-57.48
10,091.00	8.20	30.50	10,076.10	-157.73	205.02	-157.73	5.20	4.85	18.33
10,122.00	9.50	32.60	10,106.73	-153.67	207.52	-153.67	4.32	4.19	6.77
10,153.00	12.70	33.00	10,137.15	-148.65	210.76	-148.65	10.33	10.32	1.29
10,185.00	15.20	31.60	10,168.20	-142.13	214.87	-142.13	7.88	7.81	-4.38
10,217.00	18.00	30.30	10,198.87	-134.29	219.57	-134.29	8.83	8.75	-4.06
10,248.00	21.70	28.00	10,228.02	-125.09	224.67	-125.09	12.20	11.94	-7.42
10,280.00	25.60	28.40	10,257.33	-113.78	230.74	-113.78	12.20	12.19	1.25
10,312.00	29.40	26.80	10,285.71	-100.68	237.57	-100.68	12.10	11.88	-5.00
10,343.00	33.20	25.40	10,312.19	-86.22	244.65	-86.22	12.48	12.26	-4.52
10,374.00	37.70	23.60	10,337.44	-69.85	252.09	-69.85	14.90	14.52	-5.81
10,405.00	42.20	23.10	10,361.20	-51.58	259.97	-51.58	14.55	14.52	-1.61
10,437.00	47.40	23.30	10,383.90	-30.87	268.85	-30.87	16.26	16.25	0.63
10,468.00	51.70	21.90	10,404.00	-9.09	277.91	-9.09	14.29	13.87	-4.52
10,500.00	54.20	19.10	10,423.29	14.83	286.84	14.83	10.48	7.81	-8.75
10,531.00	56.50	15.20	10,440.91	39.19	294.35	39.19	12.73	7.42	-12.58
10,562.00	58.60	11.70	10,457.55	64.63	300.42	64.63	11.69	6.77	-11.29
10,594.00	61.60	8.50	10,473.50	91.93	305.27	91.93	12.77	9.38	-10.00
10,625.00	66.30	6.10	10,487.12	119.55	308.80	119.55	16.68	15.16	-7.74
10,657.00	71.10	4.50	10,498.74	149.23	311.54	149.23	15.71	15.00	-5.00
10,689.00	74.30	3.80	10,508.25	179.69	313.75	179.69	10.22	10.00	-2.19
10,720.00	76.50	3.10	10,516.07	209.64	315.56	209.64	7.43	7.10	-2.26
10,752.00	79.40	2.70	10,522.75	240.89	317.14	240.89	9.14	9.06	-1.25
10,783.00	81.30	1.70	10,527.94	271.43	318.31	271.43	6.90	6.13	-3.23
10,815.00	82.70	0.60	10,532.40	303.11	318.95	303.11	5.54	4.38	-3.44
10,847.00	83.60	359.90	10,536.21	334.88	319.09	334.88	3.55	2.81	-2.19
10,879.00	84.30	358.20	10,539.58	366.69	318.56	366.69	5.72	2.19	-5.31
10,910.00	85.50	356.90	10,542.34	397.54	317.24	397.54	5.69	3.87	-4.19
10,941.00	87.20	356.40	10,544.31	428.42	315.43	428.42	5.72	5.48	-1.61
10,973.00	89.60	355.70	10,545.21	460.33	313.23	460.33	7.81	7.50	-2.19
11,005.00	90.60	355.50	10,545.15	492.24	310.77	492.24	3.19	3.13	-0.63
11,037.00	91.50	355.70	10,544.57	524.14	308.32	524.14	2.88	2.81	0.63
11,132.00	91.20	356.90	10,542.33	618.91	302.19	618.91	1.30	-0.32	1.26

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 8H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Site:	Trionyx '6' Fed	**MD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Well:	8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,195.00	92.26	356.77	10,540.42	681.79	298.71	681.79	1.70	1.68	-0.21
HL Crossing @ 11195' MD, 10540' TVD									
11,227.00	92.80	356.70	10,539.01	713.70	296.89	713.70	1.70	1.68	-0.21
11,322.00	92.00	357.50	10,535.03	808.50	292.09	808.50	1.19	-0.84	0.84
11,417.00	89.90	358.50	10,533.46	903.42	288.77	903.42	2.45	-2.21	1.05
11,512.00	91.50	358.30	10,532.30	998.37	286.12	998.37	1.70	1.68	-0.21
11,608.00	90.57	358.51	10,530.56	1,094.32	283.45	1,094.32	0.99	-0.97	0.22
11,703.00	90.48	359.56	10,529.69	1,189.30	281.85	1,189.30	1.11	-0.09	1.11
11,799.00	89.87	0.09	10,529.40	1,285.30	281.55	1,285.30	0.84	-0.64	0.55
11,893.00	87.49	359.56	10,531.57	1,379.27	281.27	1,379.27	2.59	-2.53	-0.56
11,987.00	89.25	359.03	10,534.24	1,473.22	280.11	1,473.22	1.96	1.87	-0.56
12,082.00	88.29	359.03	10,536.28	1,568.18	278.50	1,568.18	1.01	-1.01	0.00
12,178.00	90.70	358.50	10,537.12	1,664.15	276.43	1,664.15	2.57	2.51	-0.55
12,272.00	88.70	358.70	10,537.62	1,758.11	274.14	1,758.11	2.14	-2.13	0.21
12,367.00	87.80	358.50	10,540.52	1,853.04	271.82	1,853.04	0.97	-0.95	-0.21
12,463.00	89.10	357.80	10,543.11	1,948.95	268.72	1,948.95	1.54	1.35	-0.73
12,558.00	89.00	359.20	10,544.69	2,043.90	266.23	2,043.90	1.48	-0.11	1.47
12,652.00	90.84	359.39	10,544.82	2,137.89	265.08	2,137.89	1.97	1.96	0.20
12,748.00	89.87	359.74	10,544.23	2,233.89	264.35	2,233.89	1.07	-1.01	0.36
12,843.00	91.19	359.21	10,543.35	2,328.87	263.48	2,328.87	1.50	1.39	-0.56
12,939.00	90.00	359.20	10,542.35	2,424.86	262.15	2,424.86	1.24	-1.24	-0.01
13,033.00	89.30	0.10	10,542.92	2,518.85	261.57	2,518.85	1.21	-0.74	0.96
13,128.00	87.93	1.14	10,545.22	2,613.82	262.60	2,613.82	1.81	-1.44	1.09
13,224.00	91.10	2.20	10,546.03	2,709.76	265.40	2,709.76	3.48	3.30	1.10
13,319.00	90.04	1.32	10,545.09	2,804.71	268.31	2,804.71	1.45	-1.12	-0.93
13,414.00	89.43	359.91	10,545.53	2,899.70	269.33	2,899.70	1.62	-0.64	-1.48
13,509.00	91.28	359.56	10,544.94	2,994.69	268.89	2,994.69	1.98	1.95	-0.37
13,605.00	90.40	359.20	10,543.53	3,090.67	267.86	3,090.67	0.99	-0.92	-0.38
13,700.00	89.70	358.50	10,543.45	3,185.65	265.95	3,185.65	1.04	-0.74	-0.74
13,795.00	88.81	358.86	10,544.68	3,280.62	263.76	3,280.62	1.01	-0.94	0.38
13,890.00	89.43	358.51	10,546.14	3,375.58	261.58	3,375.58	0.75	0.65	-0.37
13,984.00	89.08	357.63	10,547.37	3,469.52	258.42	3,469.52	1.01	-0.37	-0.94
14,079.00	89.25	356.92	10,548.75	3,564.40	253.90	3,564.40	0.77	0.18	-0.75
14,174.00	90.40	357.80	10,549.04	3,659.30	249.52	3,659.30	1.52	1.21	0.93
14,269.00	90.90	357.50	10,547.96	3,754.21	245.63	3,754.21	0.61	0.53	-0.32
14,363.00	90.40	358.70	10,546.90	3,848.15	242.51	3,848.15	1.38	-0.53	1.28
14,458.00	89.30	0.80	10,547.14	3,943.14	242.10	3,943.14	2.50	-1.16	2.21
14,552.00	90.10	1.50	10,547.64	4,037.12	243.98	4,037.12	1.13	0.85	0.74
14,647.00	89.08	2.02	10,548.32	4,132.07	246.90	4,132.07	1.21	-1.07	0.55
14,742.00	90.13	2.02	10,548.97	4,227.01	250.25	4,227.01	1.11	1.11	0.00
14,837.00	89.69	1.67	10,549.12	4,321.96	253.31	4,321.96	0.59	-0.46	-0.37
14,932.00	89.52	1.14	10,549.78	4,416.93	255.64	4,416.93	0.59	-0.18	-0.56
15,026.00	88.70	0.80	10,551.24	4,510.90	257.23	4,510.90	0.94	-0.87	-0.36

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 8H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Site:	Trionyx "6" Fed	**MD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Well:	8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,121.00	88.90	0.80	10,553.23	4,605.87	258.56	4,605.87	0.21	0.21	0.00
15,188.00	89.30	1.70	10,554.28	4,672.85	260.02	4,672.85	1.47	0.60	1.34
15,243.00	89.30	1.70	10,554.95	4,727.82	261.65	4,727.82	0.00	0.00	0.00
PBHL(T"6"F 8H)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL(T"6"F 8H)	0.00	0.00	0.00	0.00	0.00	419,774.49	734,923.10	32° 9' 8.973 N	103° 42' 28.107 W
- actual wellpath hits target center									
- Point									
BHL(T"6"F 8H)	0.00	0.00	10,554.95	4,727.82	261.65	424,502.31	735,184.75	32° 9' 55.743 N	103° 42' 24.744 W
- actual wellpath hits target center									
- Point									
PBHL(T"6"F 8H)	0.00	0.00	10,560.81	4,761.38	259.41	424,535.87	735,182.51	32° 9' 56.075 N	103° 42' 24.767 W
- actual wellpath misses target center by 34.14usft at 15243.00usft MD (10554.95 TVD, 4727.82 N, 261.65 E)									
- Point									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
11,195.00	10,540.42	681.79	298.71	HL Crossing @ 11195' MD, 10540' TVD

Checked By: _____ Approved By: _____ Date: _____

LEAM Drilling Systems LLC

Survey Report - Geographic

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 8H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Site:	Trionyx "6" Fed	**MD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Well:	8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Project Lea County, NM (NAD-83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Trionyx "6" Fed

Site Position:		**Northing:**	419,774.49 usft	**Latitude:**	32° 9' 8.973 N
From:	Map	**Easting:**	734,923.10 usft	**Longitude:**	103° 42' 28.107 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.33 °

Well 8H

Well Position	**+N/-S**	0.00 usft	**Northing:**	419,774.49 usft	**Latitude:**	32° 9' 8.973 N
	+E/-W	0.00 usft	**Easting:**	734,923.10 usft	**Longitude:**	103° 42' 28.107 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,447.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	01/08/13	7.45	60.06	48,401

Design OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	10,009.76

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	0.00

Survey Program **Date** 04/10/13

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
145.36	10,009.76	Survey #1 (Pilot)	NS-GYRO-MS	North sensing gyrocompassing m/s
10,091.00	15,188.00	Survey #1 (OH)	LEAM MWD	MWD - Standard
15,243.00	15,243.00	Survey #2 (OH)	Project	Projection

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	419,774.49	734,923.10	32° 9' 8.973 N	103° 42' 28.107 W
SHL(T"6"F 8H)									
145.36	0.16	317.45	145.36	0.15	-0.14	419,774.64	734,922.96	32° 9' 8.975 N	103° 42' 28.109 W
240.21	0.48	258.76	240.21	0.17	-0.62	419,774.66	734,922.48	32° 9' 8.975 N	103° 42' 28.114 W
335.06	0.80	200.06	335.05	-0.53	-1.23	419,773.96	734,921.86	32° 9' 8.968 N	103° 42' 28.122 W
429.91	0.48	186.07	429.90	-1.55	-1.50	419,772.94	734,921.59	32° 9' 8.958 N	103° 42' 28.125 W
524.76	0.17	172.08	524.75	-2.08	-1.53	419,772.41	734,921.57	32° 9' 8.953 N	103° 42' 28.125 W
619.61	0.46	153.26	619.59	-2.56	-1.33	419,771.93	734,921.76	32° 9' 8.948 N	103° 42' 28.123 W
714.46	0.75	134.43	714.44	-3.34	-0.72	419,771.15	734,922.38	32° 9' 8.940 N	103° 42' 28.116 W
809.31	0.78	125.25	809.28	-4.14	0.25	419,770.35	734,923.35	32° 9' 8.932 N	103° 42' 28.104 W

LEAM Drilling Systems LLC

Survey Report - Geographic

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 8H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Site:	Trionyx "6" Fed	**MD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Well:	8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
904.16	0.80	117.08	904.12	-4.82	1.37	419,769.67	734,924.46	32° 9' 8.925 N	103° 42' 28.092 W
999.01	0.81	125.78	998.96	-5.51	2.50	419,768.98	734,925.60	32° 9' 8.918 N	103° 42' 28.078 W
1,093.86	0.82	135.48	1,093.80	-6.39	3.52	419,768.10	734,926.62	32° 9' 8.910 N	103° 42' 28.067 W
1,188.71	1.35	109.61	1,188.64	-7.24	5.05	419,767.24	734,928.15	32° 9' 8.901 N	103° 42' 28.049 W
1,283.56	1.88	83.73	1,283.45	-7.45	7.65	419,767.04	734,930.74	32° 9' 8.899 N	103° 42' 28.019 W
1,378.41	3.02	88.88	1,378.21	-7.23	11.69	419,767.26	734,934.79	32° 9' 8.901 N	103° 42' 27.972 W
1,473.26	4.17	94.03	1,472.87	-7.42	17.63	419,767.06	734,940.73	32° 9' 8.899 N	103° 42' 27.903 W
1,568.11	4.07	97.03	1,567.48	-8.08	24.41	419,766.41	734,947.51	32° 9' 8.892 N	103° 42' 27.824 W
1,662.96	3.96	99.02	1,662.10	-9.00	30.99	419,765.49	734,954.08	32° 9' 8.882 N	103° 42' 27.747 W
1,757.81	4.52	95.13	1,756.69	-9.85	37.94	419,764.64	734,961.04	32° 9' 8.873 N	103° 42' 27.666 W
1,852.66	5.08	97.24	1,851.20	-10.72	45.83	419,763.77	734,968.93	32° 9' 8.864 N	103° 42' 27.575 W
1,947.51	5.09	105.64	1,945.68	-12.38	54.05	419,762.11	734,977.15	32° 9' 8.847 N	103° 42' 27.479 W
2,042.36	5.09	116.04	2,040.16	-15.36	61.88	419,759.13	734,984.98	32° 9' 8.818 N	103° 42' 27.388 W
2,137.21	5.76	122.38	2,134.58	-19.76	69.68	419,754.73	734,992.78	32° 9' 8.774 N	103° 42' 27.298 W
2,232.06	6.43	117.73	2,228.90	-24.78	78.40	419,749.71	735,001.50	32° 9' 8.723 N	103° 42' 27.197 W
2,326.91	6.94	104.37	2,323.11	-28.67	88.66	419,745.82	735,011.75	32° 9' 8.684 N	103° 42' 27.078 W
2,421.76	7.46	93.01	2,417.21	-30.42	100.36	419,744.07	735,023.45	32° 9' 8.666 N	103° 42' 26.942 W
2,516.61	7.45	107.45	2,511.27	-32.58	112.37	419,741.91	735,035.47	32° 9' 8.644 N	103° 42' 26.802 W
2,611.46	7.43	119.89	2,605.33	-37.48	123.56	419,737.01	735,046.65	32° 9' 8.595 N	103° 42' 26.672 W
2,706.31	7.46	121.38	2,699.38	-43.75	134.13	419,730.74	735,057.23	32° 9' 8.532 N	103° 42' 26.550 W
2,801.16	7.49	124.86	2,793.42	-50.49	144.46	419,724.00	735,067.56	32° 9' 8.465 N	103° 42' 26.430 W
2,896.01	7.48	123.00	2,887.47	-57.38	154.71	419,717.11	735,077.81	32° 9' 8.396 N	103° 42' 26.311 W
2,990.86	7.48	129.14	2,981.51	-64.64	164.68	419,709.85	735,087.77	32° 9' 8.324 N	103° 42' 26.196 W
3,085.71	6.44	193.58	3,075.79	-73.72	168.22	419,700.77	735,091.32	32° 9' 8.234 N	103° 42' 26.155 W
3,180.56	5.40	266.01	3,170.25	-79.21	162.51	419,695.28	735,085.61	32° 9' 8.180 N	103° 42' 26.222 W
3,275.41	4.96	246.13	3,264.72	-81.18	154.31	419,693.31	735,077.41	32° 9' 8.161 N	103° 42' 26.318 W
3,370.26	4.52	226.25	3,359.25	-85.42	147.86	419,689.06	735,070.96	32° 9' 8.119 N	103° 42' 26.393 W
3,465.11	3.39	170.71	3,453.91	-90.78	145.61	419,683.71	735,068.71	32° 9' 8.066 N	103° 42' 26.419 W
3,559.96	2.27	115.17	3,548.65	-94.35	147.77	419,680.14	735,070.86	32° 9' 8.031 N	103° 42' 26.395 W
3,654.81	2.87	112.41	3,643.41	-96.05	151.66	419,678.44	735,074.76	32° 9' 8.014 N	103° 42' 26.349 W
3,749.66	3.48	109.64	3,738.11	-97.92	156.57	419,676.57	735,079.66	32° 9' 7.995 N	103° 42' 26.293 W
3,844.51	3.55	81.97	3,832.79	-98.48	162.19	419,676.01	735,085.28	32° 9' 7.989 N	103° 42' 26.227 W
3,939.36	3.62	54.31	3,927.46	-96.32	167.53	419,678.17	735,090.62	32° 9' 8.010 N	103° 42' 26.165 W
4,034.21	3.62	76.83	4,022.13	-93.89	172.88	419,680.60	735,095.97	32° 9' 8.034 N	103° 42' 26.103 W
4,129.06	3.62	97.34	4,116.79	-93.59	178.76	419,680.90	735,101.86	32° 9' 8.037 N	103° 42' 26.034 W
4,223.91	3.62	114.99	4,211.46	-95.24	184.45	419,679.25	735,107.54	32° 9' 8.020 N	103° 42' 25.968 W
4,318.76	3.62	133.63	4,306.12	-98.57	189.33	419,675.92	735,112.42	32° 9' 7.987 N	103° 42' 25.912 W
4,413.61	2.65	49.74	4,400.87	-99.22	193.17	419,675.27	735,116.27	32° 9' 7.980 N	103° 42' 25.867 W
4,508.46	1.69	26.84	4,495.65	-96.56	195.47	419,677.93	735,118.57	32° 9' 8.006 N	103° 42' 25.840 W
4,603.31	1.24	4.23	4,590.47	-94.29	196.18	419,680.20	735,119.28	32° 9' 8.029 N	103° 42' 25.832 W
4,698.16	0.79	41.63	4,685.31	-92.77	196.69	419,681.72	735,119.79	32° 9' 8.044 N	103° 42' 25.825 W
4,793.01	0.86	110.75	4,780.15	-92.54	197.79	419,681.95	735,120.89	32° 9' 8.046 N	103° 42' 25.813 W
4,887.86	0.93	180.87	4,874.99	-93.56	198.45	419,680.93	735,121.54	32° 9' 8.036 N	103° 42' 25.805 W
4,982.71	0.79	105.99	4,969.83	-94.51	199.06	419,679.98	735,122.16	32° 9' 8.026 N	103° 42' 25.798 W
5,077.56	0.65	36.11	5,064.68	-94.25	200.01	419,680.24	735,123.10	32° 9' 8.029 N	103° 42' 25.787 W
5,172.41	0.71	85.66	5,159.52	-93.77	200.91	419,680.71	735,124.01	32° 9' 8.034 N	103° 42' 25.776 W
5,267.26	0.76	135.20	5,254.36	-94.18	201.94	419,680.31	735,125.04	32° 9' 8.030 N	103° 42' 25.765 W
5,362.11	0.53	130.66	5,349.21	-94.91	202.72	419,679.58	735,125.81	32° 9' 8.022 N	103° 42' 25.756 W
5,456.96	0.30	120.11	5,444.05	-95.32	203.26	419,679.17	735,126.36	32° 9' 8.018 N	103° 42' 25.749 W
5,551.81	0.25	123.41	5,538.90	-95.56	203.65	419,678.93	735,126.75	32° 9' 8.016 N	103° 42' 25.745 W
5,646.66	0.20	116.71	5,633.75	-95.75	203.97	419,678.74	735,127.07	32° 9' 8.014 N	103° 42' 25.741 W
5,741.51	0.27	82.95	5,728.60	-95.79	204.34	419,678.70	735,127.44	32° 9' 8.013 N	103° 42' 25.737 W
5,836.36	0.34	49.19	5,823.45	-95.58	204.78	419,678.91	735,127.87	32° 9' 8.015 N	103° 42' 25.732 W
5,931.21	0.41	23.92	5,918.30	-95.09	205.13	419,679.40	735,128.22	32° 9' 8.020 N	103° 42' 25.728 W
6,026.06	0.48	58.66	6,013.15	-94.57	205.60	419,679.92	735,128.70	32° 9' 8.025 N	103° 42' 25.722 W

LEAM Drilling Systems LLC

Survey Report - Geographic

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 8H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Site:	Trionyx "6' Fed	**MD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Well:	8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,120.91	0.27	65.13	6,107.99	-94.27	206.15	419,680.22	735,129.24	32° 9' 8.028 N	103° 42' 25.716 W
6,215.76	0.06	130.59	6,202.84	-94.21	206.39	419,680.28	735,129.48	32° 9' 8.029 N	103° 42' 25.713 W
6,310.61	0.32	159.28	6,297.69	-94.49	206.52	419,680.00	735,129.61	32° 9' 8.026 N	103° 42' 25.711 W
6,405.46	0.57	162.96	6,392.54	-95.19	206.75	419,679.30	735,129.85	32° 9' 8.019 N	103° 42' 25.709 W
6,500.31	0.73	156.61	6,487.38	-96.19	207.13	419,678.30	735,130.22	32° 9' 8.009 N	103° 42' 25.704 W
6,595.16	0.89	152.27	6,582.22	-97.40	207.71	419,677.09	735,130.81	32° 9' 7.997 N	103° 42' 25.698 W
6,690.01	0.93	173.90	6,677.06	-98.82	208.14	419,675.67	735,131.23	32° 9' 7.983 N	103° 42' 25.693 W
6,784.86	0.96	195.54	6,771.90	-100.35	208.00	419,674.14	735,131.10	32° 9' 7.968 N	103° 42' 25.694 W
6,879.71	1.07	195.43	6,866.74	-101.97	207.56	419,672.52	735,130.65	32° 9' 7.952 N	103° 42' 25.700 W
6,974.56	1.18	212.33	6,961.57	-103.65	206.80	419,670.84	735,129.89	32° 9' 7.936 N	103° 42' 25.709 W
7,069.41	1.31	255.36	7,056.40	-104.75	205.23	419,669.74	735,128.32	32° 9' 7.925 N	103° 42' 25.727 W
7,164.26	1.44	290.40	7,151.22	-104.60	203.06	419,669.89	735,126.16	32° 9' 7.926 N	103° 42' 25.752 W
7,259.11	1.65	266.46	7,246.04	-104.27	200.58	419,670.22	735,123.68	32° 9' 7.930 N	103° 42' 25.781 W
7,353.96	1.86	236.52	7,340.85	-105.21	197.93	419,669.28	735,121.03	32° 9' 7.921 N	103° 42' 25.812 W
7,448.81	1.75	207.92	7,435.65	-107.34	195.97	419,667.15	735,119.07	32° 9' 7.900 N	103° 42' 25.835 W
7,543.66	1.64	180.31	7,530.46	-109.97	195.29	419,664.52	735,118.38	32° 9' 7.874 N	103° 42' 25.843 W
7,638.51	1.79	185.10	7,625.27	-112.80	195.15	419,661.68	735,118.24	32° 9' 7.846 N	103° 42' 25.845 W
7,733.36	1.95	189.89	7,720.07	-115.87	194.74	419,658.62	735,117.83	32° 9' 7.815 N	103° 42' 25.850 W
7,828.21	2.03	169.64	7,814.86	-119.11	194.76	419,655.38	735,117.86	32° 9' 7.783 N	103° 42' 25.850 W
7,923.06	2.11	149.40	7,909.65	-122.27	195.95	419,652.22	735,119.05	32° 9' 7.752 N	103° 42' 25.836 W
8,017.91	1.72	173.51	8,004.45	-125.19	197.00	419,649.30	735,120.10	32° 9' 7.723 N	103° 42' 25.824 W
8,112.76	1.33	197.63	8,099.27	-127.65	196.83	419,646.84	735,119.93	32° 9' 7.699 N	103° 42' 25.826 W
8,207.61	1.39	200.03	8,194.09	-129.78	196.10	419,644.71	735,119.20	32° 9' 7.678 N	103° 42' 25.835 W
8,302.46	1.45	206.44	8,288.91	-131.93	195.18	419,642.56	735,118.27	32° 9' 7.656 N	103° 42' 25.846 W
8,397.31	1.47	189.36	8,383.73	-134.21	194.44	419,640.28	735,117.54	32° 9' 7.634 N	103° 42' 25.854 W
8,492.16	1.48	168.27	8,478.55	-136.61	194.49	419,637.88	735,117.59	32° 9' 7.610 N	103° 42' 25.854 W
8,587.01	1.48	204.83	8,573.37	-138.92	194.23	419,635.57	735,117.33	32° 9' 7.587 N	103° 42' 25.857 W
8,681.86	1.48	237.39	8,668.19	-140.69	192.68	419,633.80	735,115.78	32° 9' 7.570 N	103° 42' 25.875 W
8,776.71	1.37	225.36	8,763.01	-142.15	190.84	419,632.34	735,113.94	32° 9' 7.555 N	103° 42' 25.897 W
8,871.56	1.26	203.33	8,857.84	-143.90	189.62	419,630.59	735,112.72	32° 9' 7.538 N	103° 42' 25.911 W
8,966.41	1.67	199.00	8,952.66	-146.17	188.76	419,628.32	735,111.86	32° 9' 7.516 N	103° 42' 25.921 W
9,061.26	2.07	194.68	9,047.45	-149.13	187.88	419,625.36	735,110.97	32° 9' 7.487 N	103° 42' 25.932 W
9,156.11	2.16	177.62	9,142.24	-152.57	187.52	419,621.92	735,110.61	32° 9' 7.452 N	103° 42' 25.936 W
9,250.96	2.25	160.56	9,237.02	-156.12	188.21	419,618.37	735,111.31	32° 9' 7.417 N	103° 42' 25.928 W
9,345.81	2.03	172.57	9,331.81	-159.54	189.05	419,614.95	735,112.15	32° 9' 7.383 N	103° 42' 25.919 W
9,440.66	1.81	184.58	9,426.60	-162.70	189.15	419,611.79	735,112.24	32° 9' 7.352 N	103° 42' 25.918 W
9,535.51	1.67	154.46	9,521.41	-165.44	189.62	419,609.05	735,112.72	32° 9' 7.325 N	103° 42' 25.913 W
9,630.36	1.54	124.35	9,616.23	-167.40	191.27	419,607.09	735,114.37	32° 9' 7.306 N	103° 42' 25.894 W
9,725.21	1.41	126.50	9,711.04	-168.82	193.26	419,605.67	735,116.36	32° 9' 7.291 N	103° 42' 25.871 W
9,820.06	1.27	120.64	9,805.87	-170.05	195.10	419,604.44	735,118.20	32° 9' 7.279 N	103° 42' 25.849 W
9,914.91	2.77	70.13	9,900.66	-169.80	198.16	419,604.69	735,121.26	32° 9' 7.281 N	103° 42' 25.814 W
10,009.76	4.26	15.61	9,995.36	-165.63	201.27	419,608.86	735,124.36	32° 9' 7.322 N	103° 42' 25.777 W
10,091.00	8.20	30.50	10,076.10	-157.73	205.02	419,616.76	735,128.12	32° 9' 7.400 N	103° 42' 25.733 W
10,122.00	9.50	32.60	10,106.73	-153.67	207.52	419,620.82	735,130.62	32° 9' 7.441 N	103° 42' 25.704 W
10,153.00	12.70	33.00	10,137.15	-148.65	210.76	419,625.84	735,133.85	32° 9' 7.490 N	103° 42' 25.666 W
10,185.00	15.20	31.60	10,168.20	-142.13	214.87	419,632.36	735,137.97	32° 9' 7.554 N	103° 42' 25.617 W
10,217.00	18.00	30.30	10,198.87	-134.29	219.57	419,640.20	735,142.66	32° 9' 7.632 N	103° 42' 25.562 W
10,248.00	21.70	28.00	10,228.02	-125.09	224.67	419,649.40	735,147.77	32° 9' 7.722 N	103° 42' 25.502 W
10,280.00	25.60	28.40	10,257.33	-113.78	230.74	419,660.71	735,153.84	32° 9' 7.834 N	103° 42' 25.431 W
10,312.00	29.40	26.80	10,285.71	-100.68	237.57	419,673.81	735,160.67	32° 9' 7.963 N	103° 42' 25.350 W
10,343.00	33.20	25.40	10,312.19	-86.22	244.65	419,688.27	735,167.75	32° 9' 8.106 N	103° 42' 25.267 W
10,374.00	37.70	23.60	10,337.44	-69.85	252.09	419,704.63	735,175.18	32° 9' 8.267 N	103° 42' 25.180 W
10,405.00	42.20	23.10	10,361.20	-51.58	259.97	419,722.91	735,183.07	32° 9' 8.448 N	103° 42' 25.087 W
10,437.00	47.40	23.30	10,383.90	-30.87	268.85	419,743.62	735,191.95	32° 9' 8.652 N	103° 42' 24.982 W
10,468.00	51.70	21.90	10,404.00	-9.09	277.91	419,765.40	735,201.00	32° 9' 8.867 N	103° 42' 24.875 W

LEAM Drilling Systems LLC

Survey Report - Geographic

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 8H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Site:	Trionyx "6' Fed'	**MD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Well:	8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,500.00	54.20	19.10	10,423.29	14.83	286.84	419,789.32	735,209.94	32° 9' 9.103 N	103° 42' 24.770 W
10,531.00	56.50	15.20	10,440.91	39.19	294.35	419,813.68	735,217.44	32° 9' 9.344 N	103° 42' 24.681 W
10,562.00	58.60	11.70	10,457.55	64.63	300.42	419,839.12	735,223.52	32° 9' 9.595 N	103° 42' 24.608 W
10,594.00	61.60	8.50	10,473.50	91.93	305.27	419,866.42	735,228.37	32° 9' 9.865 N	103° 42' 24.550 W
10,625.00	66.30	6.10	10,487.12	119.55	308.80	419,894.04	735,231.89	32° 9' 10.138 N	103° 42' 24.507 W
10,657.00	71.10	4.50	10,498.74	149.23	311.54	419,923.72	735,234.64	32° 9' 10.432 N	103° 42' 24.473 W
10,689.00	74.30	3.80	10,508.25	179.69	313.75	419,954.18	735,236.85	32° 9' 10.733 N	103° 42' 24.445 W
10,720.00	76.50	3.10	10,516.07	209.64	315.56	419,984.13	735,238.65	32° 9' 11.029 N	103° 42' 24.422 W
10,752.00	79.40	2.70	10,522.75	240.89	317.14	420,015.38	735,240.24	32° 9' 11.339 N	103° 42' 24.402 W
10,783.00	81.30	1.70	10,527.94	271.43	318.31	420,045.92	735,241.41	32° 9' 11.641 N	103° 42' 24.386 W
10,815.00	82.70	0.60	10,532.40	303.11	318.95	420,077.60	735,242.04	32° 9' 11.954 N	103° 42' 24.377 W
10,847.00	83.60	359.90	10,536.21	334.88	319.09	420,109.37	735,242.18	32° 9' 12.269 N	103° 42' 24.373 W
10,879.00	84.30	358.20	10,539.58	366.69	318.56	420,141.18	735,241.65	32° 9' 12.583 N	103° 42' 24.377 W
10,910.00	85.50	356.90	10,542.34	397.54	317.24	420,172.03	735,240.33	32° 9' 12.889 N	103° 42' 24.390 W
10,941.00	87.20	356.40	10,544.31	428.42	315.43	420,202.91	735,238.53	32° 9' 13.194 N	103° 42' 24.409 W
10,973.00	89.60	355.70	10,545.21	460.33	313.23	420,234.82	735,236.32	32° 9' 13.510 N	103° 42' 24.433 W
11,005.00	90.60	355.50	10,545.15	492.24	310.77	420,266.73	735,233.87	32° 9' 13.826 N	103° 42' 24.459 W
11,037.00	91.50	355.70	10,544.57	524.14	308.32	420,298.63	735,231.41	32° 9' 14.142 N	103° 42' 24.485 W
11,132.00	91.20	356.90	10,542.33	618.91	302.19	420,393.40	735,225.28	32° 9' 15.080 N	103° 42' 24.550 W
11,195.00	92.26	356.77	10,540.42	681.79	298.71	420,456.28	735,221.81	32° 9' 15.703 N	103° 42' 24.586 W
HL Crossing @ 11195' MD, 10540' TVD									
11,227.00	92.80	356.70	10,539.01	713.70	296.89	420,488.19	735,219.98	32° 9' 16.019 N	103° 42' 24.605 W
11,322.00	92.00	357.50	10,535.03	808.50	292.09	420,582.99	735,215.18	32° 9' 16.957 N	103° 42' 24.655 W
11,417.00	89.90	358.50	10,533.46	903.42	288.77	420,677.91	735,211.87	32° 9' 17.896 N	103° 42' 24.687 W
11,512.00	91.50	358.30	10,532.30	998.37	286.12	420,772.86	735,209.22	32° 9' 18.836 N	103° 42' 24.711 W
11,608.00	90.57	358.51	10,530.56	1,094.32	283.45	420,868.81	735,206.54	32° 9' 19.786 N	103° 42' 24.736 W
11,703.00	90.48	359.56	10,529.69	1,189.30	281.85	420,963.79	735,204.94	32° 9' 20.726 N	103° 42' 24.748 W
11,799.00	89.87	0.09	10,529.40	1,285.30	281.55	421,059.79	735,204.65	32° 9' 21.676 N	103° 42' 24.745 W
11,893.00	87.49	359.56	10,531.57	1,379.27	281.27	421,153.75	735,204.36	32° 9' 22.606 N	103° 42' 24.742 W
11,987.00	89.25	359.03	10,534.24	1,473.22	280.11	421,247.71	735,203.21	32° 9' 23.535 N	103° 42' 24.749 W
12,082.00	88.29	359.03	10,536.28	1,568.18	278.50	421,342.67	735,201.60	32° 9' 24.475 N	103° 42' 24.761 W
12,178.00	90.70	358.50	10,537.12	1,664.15	276.43	421,438.64	735,199.53	32° 9' 25.425 N	103° 42' 24.779 W
12,272.00	88.70	358.70	10,537.62	1,758.11	274.14	421,532.60	735,197.23	32° 9' 26.355 N	103° 42' 24.799 W
12,367.00	87.80	358.50	10,540.52	1,853.04	271.82	421,627.53	735,194.91	32° 9' 27.294 N	103° 42' 24.820 W
12,463.00	89.10	357.80	10,543.11	1,948.95	268.72	421,723.44	735,191.82	32° 9' 28.244 N	103° 42' 24.849 W
12,558.00	89.00	359.20	10,544.69	2,043.90	266.23	421,818.39	735,189.33	32° 9' 29.183 N	103° 42' 24.872 W
12,652.00	90.84	359.39	10,544.82	2,137.89	265.08	421,912.38	735,188.17	32° 9' 30.113 N	103° 42' 24.879 W
12,748.00	89.87	359.74	10,544.23	2,233.89	264.35	422,008.37	735,187.44	32° 9' 31.063 N	103° 42' 24.881 W
12,843.00	91.19	359.21	10,543.35	2,328.87	263.48	422,103.36	735,186.57	32° 9' 32.003 N	103° 42' 24.885 W
12,939.00	90.00	359.20	10,542.35	2,424.86	262.15	422,199.35	735,185.24	32° 9' 32.953 N	103° 42' 24.894 W
13,033.00	89.30	0.10	10,542.92	2,518.85	261.57	422,293.34	735,184.67	32° 9' 33.884 N	103° 42' 24.894 W
13,128.00	87.93	1.14	10,545.22	2,613.82	262.60	422,388.31	735,185.70	32° 9' 34.823 N	103° 42' 24.876 W
13,224.00	91.10	2.20	10,546.03	2,709.76	265.40	422,484.25	735,188.49	32° 9' 35.772 N	103° 42' 24.837 W
13,319.00	90.04	1.32	10,545.09	2,804.71	268.31	422,579.20	735,191.41	32° 9' 36.712 N	103° 42' 24.796 W
13,414.00	89.43	359.91	10,545.53	2,899.70	269.33	422,674.19	735,192.43	32° 9' 37.652 N	103° 42' 24.778 W
13,509.00	91.28	359.56	10,544.94	2,994.69	268.89	422,769.18	735,191.99	32° 9' 38.592 N	103° 42' 24.777 W
13,605.00	90.40	359.20	10,543.53	3,090.67	267.86	422,865.16	735,190.95	32° 9' 39.542 N	103° 42' 24.782 W
13,700.00	89.70	358.50	10,543.45	3,185.65	265.95	422,960.14	735,189.05	32° 9' 40.482 N	103° 42' 24.798 W
13,795.00	88.81	358.86	10,544.68	3,280.62	263.76	423,055.11	735,186.86	32° 9' 41.422 N	103° 42' 24.817 W
13,890.00	89.43	358.51	10,546.14	3,375.58	261.58	423,150.07	735,184.68	32° 9' 42.361 N	103° 42' 24.836 W
13,984.00	89.08	357.63	10,547.37	3,469.52	258.42	423,244.01	735,181.51	32° 9' 43.291 N	103° 42' 24.866 W
14,079.00	89.25	356.92	10,548.75	3,564.40	253.90	423,338.89	735,177.00	32° 9' 44.230 N	103° 42' 24.913 W
14,174.00	90.40	357.80	10,549.04	3,659.30	249.52	423,433.79	735,172.62	32° 9' 45.170 N	103° 42' 24.957 W
14,269.00	90.90	357.50	10,547.96	3,754.21	245.63	423,528.70	735,168.73	32° 9' 46.109 N	103° 42' 24.996 W
14,363.00	90.40	358.70	10,546.90	3,848.15	242.51	423,622.64	735,165.61	32° 9' 47.039 N	103° 42' 25.026 W

LEAM Drilling Systems LLC

Survey Report - Geographic

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well 8H
Project:	Lea County, NM (NAD-83)	**TVD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Site:	Trionyx "6' Fed	**MD Reference:**	GE 3447' + KB 25' @ 3472.00usft (Scan Texas)
Well:	8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,458.00	89.30	0.80	10,547.14	3,943.14	242.10	423,717.63	735,165.19	32° 9' 47.979 N	103° 42' 25.024 W
14,552.00	90.10	1.50	10,547.64	4,037.12	243.98	423,811.61	735,167.08	32° 9' 48.909 N	103° 42' 24.996 W
14,647.00	89.08	2.02	10,548.32	4,132.07	246.90	423,906.56	735,170.00	32° 9' 49.848 N	103° 42' 24.955 W
14,742.00	90.13	2.02	10,548.97	4,227.01	250.25	424,001.50	735,173.35	32° 9' 50.787 N	103° 42' 24.910 W
14,837.00	89.69	1.67	10,549.12	4,321.96	253.31	424,096.45	735,176.41	32° 9' 51.727 N	103° 42' 24.868 W
14,932.00	89.52	1.14	10,549.78	4,416.93	255.64	424,191.42	735,178.74	32° 9' 52.666 N	103° 42' 24.835 W
15,026.00	88.70	0.80	10,551.24	4,510.90	257.23	424,285.39	735,180.33	32° 9' 53.596 N	103° 42' 24.810 W
15,121.00	88.90	0.80	10,553.23	4,605.87	258.56	424,380.36	735,181.65	32° 9' 54.536 N	103° 42' 24.788 W
15,188.00	89.30	1.70	10,554.28	4,672.85	260.02	424,447.34	735,183.11	32° 9' 55.199 N	103° 42' 24.766 W
15,243.00	89.30	1.70	10,554.95	4,727.82	261.65	424,502.31	735,184.75	32° 9' 55.743 N	103° 42' 24.744 W
PBHL(T"6"F 8H)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL(T"6"F 8H)	0.00	0.00	0.00	0.00	0.00	419,774.49	734,923.10	32° 9' 8.973 N	103° 42' 28.107 W
- actual wellpath hits target center - Point									
BHL(T"6"F 8H)	0.00	0.00	10,554.95	4,727.82	261.65	424,502.31	735,184.75	32° 9' 55.743 N	103° 42' 24.744 W
- actual wellpath hits target center - Point									
PBHL(T"6"F 8H)	0.00	0.00	10,560.81	4,761.38	259.41	424,535.87	735,182.51	32° 9' 56.075 N	103° 42' 24.767 W
- actual wellpath misses target center by 34.14usft at 15243.00usft MD (10554.95 TVD, 4727.82 N, 261.65 E) - Point									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
11,195.00	10,540.42	681.79	298.71	HL Crossing @ 11195' MD, 10540' TVD

Checked By: _____ Approved By: _____ Date: _____