

DEVON ENERGY

Wildcat (Chaves County, NM)

Chaves County, NM

Loving "7" Fee #1H

VH - Job #32K1210978

30-005-64129

Survey: Actual

SDI Standard Survey Report

12 January, 2011



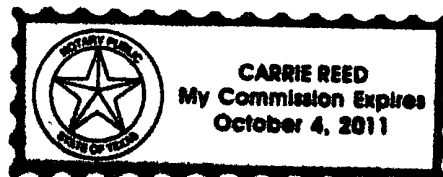
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notarized this date 17th of January, 2011.

[Signature]

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Loving "7" Fee #1H
Project:	Wildcat (Chaves County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Chaves County; NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Loving "7" Fee #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1010766	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1010766	Database:	EDM-Regulatory

Project	Wildcat (Chaves County, NM)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Chaves County, NM		
Site Position:		Northing:	895,355 27 usft
From:	Lat/Long	Easting:	595,224 55 usft
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16"
		Grid Convergence:	0 17 °

Well	Loving "7" Fee #1H, Directional (CUDD)		
Well Position	+N/-S	0 0 usft	Northing: 895,355 27 usft
	+E/-W	0 0 usft	Easting: 595,224 55 usft
Position Uncertainty	0 0 usft	Wellhead Elevation:	usft
		Ground Level:	0 0 usft

Wellbore	VH - Job #32K1010766		
Magnetics	Model Name	Sample Date	Declination
	BGGM2010	10/10/2010	8 04
			Dip Angle
			61 28
			Field Strength
			49,440

Design	VH - Job #32K1010766		
Audit Notes:			
Version:	1 0	Phase:	ACTUAL
		Tie On Depth:	0 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0 0	0 0	0 0
			Direction
			91 41

Survey Program	Date	10/30/2010		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
100 0	6,456 0	Actual (VH - Job #32K1010766)	Keeper	Keeper Gyro

Survey							
Measured Depth	Inclination	Azimuth	True Vertical	North/South	East/West	Closure Azimuth	Closure Distance
(usft)	(°)	(°)	Depth	(usft)	(usft)	(°)	(usft)
0 0	0 00	0 00	0 0	0 0	0 0	0 00	0 0
100 0	0 68	153 11	100 0	-0 5	0 3	153 11	0 6
200 0	0 74	152 90	200 0	-1 6	0 8	153 04	1 8
300 0	0 76	158 16	300 0	-2 8	1 4	154 09	3 1
400 0	0 77	161 13	400 0	-4 1	1 8	155 75	4 5
500 0	0 55	156 81	500 0	-5 2	2 2	156 48	5 6
600 0	0 43	145 04	600 0	-5 9	2 6	155 85	6 5
700 0	0 55	137 89	700 0	-6 6	3 2	154 13	7 3
800 0	0 40	141 09	800 0	-7 2	3 7	152 62	8 1
900 0	0 52	122 60	900 0	-7 7	4 3	150 70	8 8
1,000 0	0 49	122 40	999 9	-8 2	5 1	148 22	9 6
1,100 0	0 40	78 46	1,099 9	-8 3	5 8	145 32	10 1

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Loving "7" Fee #1H
Project:	Wildcat (Chaves County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Chaves County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Loving "7" Fee #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1010766	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1010766	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
1,200 0	0 50	79 46	1,199 9	-8 2	6 5	141 38	10 5	
1,300 0	0 59	90 36	1,299 9	-8 1	7 5	137 31	11 0	
1,400 0	0 69	61 75	1,399 9	-7 8	8 5	132 55	11 6	
1,500 0	0 78	57 10	1,499 9	-7 2	9 6	126 69	12 0	
1,600 0	0 81	52 55	1,599 9	-6 4	10 8	120 65	12 5	
1,700 0	0 85	49 92	1,699 9	-5 5	11 9	114 70	13 1	
1,800 0	0 82	2 70	1,799 9	-4 3	12 5	108 90	13 2	
1,900 0	0 82	339 55	1,899 9	-2 9	12 3	103 26	12 6	
2,000 0	0 83	343 32	1,999 9	-1 5	11 8	97 37	11 9	
2,100 0	0 64	5 94	2,099 9	-0 3	11 7	91 38	11 7	
2,200 0	0 64	358 69	2,199 9	0 8	11 7	85 93	11 7	
2,300 0	0 51	5 12	2,299 9	1 8	11 7	81 12	11 9	
2,400 0	0 49	15 28	2,399 9	2 7	11 9	77 26	12 2	
2,500 0	0 55	24 87	2,499 8	3 5	12 2	73 84	12 7	
2,600 0	0 41	20 83	2,599 8	4 3	12 5	71 04	13 3	
2,700 0	0 36	22 48	2,699 8	4 9	12 8	68 90	13 7	
2,800 0	0 29	17 13	2,799 8	5 5	13 0	67 17	14 1	
2,900 0	0 24	45 23	2,899 8	5 9	13 2	66 09	14 4	
3,000 0	0 15	33 24	2,999 8	6 1	13 4	65 52	14 8	
3,100 0	0 09	40 26	3,099 8	6 3	13 5	65 13	14 9	
3,200 0	0 16	2 05	3,199 8	6 5	13 6	64 53	15 1	
3,300 0	0 15	67 00	3,299 8	6 7	13 7	64 08	15 3	
3,400 0	0 16	109 09	3,399 8	6 7	14 0	64 47	15 5	
3,500 0	0 20	100 62	3,499 8	6 6	14 3	65 21	15 7	
3,600 0	0 14	128 88	3,599 8	6 5	14 6	65 96	15 9	
3,700 0	0 30	93 67	3,699 8	6 4	14 9	66 78	16 2	
3,800 0	0 31	76 86	3,799 8	6 4	15 4	67 35	16 7	
3,900 0	0 49	54 10	3,899 8	6 8	16 0	67 17	17 4	
4,000 0	0 62	37 53	3,999 8	7 4	16 7	66 03	18 3	
4,100 0	0 49	30 08	4,099 8	8 2	17 3	64 50	19 1	
4,200 0	0 62	33 33	4,199 8	9 1	17 8	63 01	19 9	
4,300 0	0 58	33 83	4,299 8	9 9	18 4	61 59	20 9	
4,400 0	0 32	27 20	4,399 8	10 6	18 8	60 55	21 5	
4,500 0	0 35	37 71	4,499 8	11 1	19 1	59 84	22 1	
4,600 0	0 23	6 98	4,599 8	11 5	19 3	59 14	22 5	
4,700 0	0 18	23 77	4,699 8	11 9	19 4	58 51	22 7	
4,800 0	0 11	17 09	4,799 8	12 1	19 5	58 13	22 9	
4,900 0	0 09	259 96	4,899 8	12 2	19 4	57 90	22 9	
5,000 0	0 09	337 97	4,999 8	12 2	19 3	57 63	22 9	
5,100 0	0 05	203 85	5,099 8	12 3	19 3	57 50	22 8	
5,200 0	0 51	119 23	5,199 8	12 0	19 6	58 53	23 0	
5,300 0	0 70	107 40	5,299 8	11 6	20 6	60 59	23 7	
5,400 0	0 68	107 33	5,399 8	11 3	21 8	62 64	24 5	
5,500 0	1 75	86 76	5,499 8	11 2	23 8	64 91	26 3	

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Loving "7" Fee #1H
Project:	Wildcat (Chaves County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Chaves County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Loving "7" Fee #1H	North Reference:	Grd
Wellbore:	VH - Job #32K1010766	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1010766	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
5,600 0	3 40	99 00	5,599 7	10 8	28 3	69 13	30 3
5,700 0	3 87	103 17	5,699 5	9 6	34 5	74 52	35 8
5,800 0	4 56	98 75	5,799 2	8 2	41 7	78 90	42 5
5,900 0	4 79	98 20	5,898 9	7 0	49 8	82 02	50 3
6,000 0	4 74	98 91	5,998 5	5 7	58 0	84 34	58 3
6,100 0	5 54	100 49	6,098 1	4 2	66 8	86 38	67 0
6,200 0	5 53	101 98	6,197 6	2 4	76 3	88 24	76 3
6,300 0	5 44	102 81	6,297 2	0 3	85 6	89 80	85 6
6,400 0	5 11	101 47	6,396 8	-1 6	94 6	90 99	94 6
6,456 0	5 18	97 10	6,452 5	-2 4	99 6	91 41	99 6

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Loving "7" Fee #1H
Project:	Wildcat (Chaves County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Chaves County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Loving "7" Fee #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1110900	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1110900	Database:	EDM-Regulatory

Project	Wildcat (Chaves County, NM)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Chaves County, NM		
Site Position:		Northing:	895,355 27 usft
From:	Lat/Long	Easting:	595,224 55 usft
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16"
		Grid Convergence:	0 17 °

Well	Loving "7" Fee #1H, Directional (CUDD)		
Well Position	+N/-S	0 0 usft	Northing: 895,355 27 usft
	+E/-W	0 0 usft	Easting: 595,224 55 usft
Position Uncertainty	0 0 usft	Wellhead Elevation:	usft
		Ground Level:	0 0 usft

Wellbore	VH - Job #32K1110900				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	11/15/2010	8 03	61 28	49,430

Design	VH - Job #32K1110900			
Audit Notes:				
Version:	1 0	Phase:	ACTUAL	Tie On Depth: 6,456 0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0 0	0 0	0 0	91 97

Survey Program	Date	1/12/2011			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100 0	6,456 0	Actual (VH - Job #32K1010766)	Keeper	Keeper Gyro	
6,500 0	7,700 0	Actual (VH - Job #32K1110900)	Keeper	Keeper Gyro	

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
6,456 0	5 18	97 10	6,452 5	-2 4	99 6	91 41	99 6
6,500 0	4 94	91 74	6,496 4	-2 7	103 4	91 52	103 5
6,600 0	4 75	91 45	6,596 0	-3 0	111 9	91 53	111 9
6,700 0	4 66	92 89	6,695 7	-3 3	120 1	91 57	120 1
6,800 0	4 21	95 52	6,795 4	-3 9	127 8	91 73	127 8
6,900 0	3 13	98 25	6,895 2	-4 6	134 1	91 96	134 2
7,000 0	1 18	114 36	6,995 1	-5 4	137 8	92 25	137 9
7,100 0	0 70	139 41	7,095 1	-6 3	139 1	92 59	139 3
7,200 0	1 63	110 88	7,195 1	-7 3	140 8	92 96	141 0
7,300 0	1 01	126 24	7,295 0	-8 3	142 9	93 32	143 1
7,400 0	0 80	92 82	7,395 0	-8 9	144 3	93 51	144 6

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Loving "7" Fee #1H
Project:	Wildcat (Chaves County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Chaves County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Loving "7" Fee #1H	North Reference:	Gnd
Wellbore:	VH - Job #32K1110900	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1110900	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
7,405 0	0 89	87 30	7,400 0	-8 9	144 4	93 51	144 6	
7,410 0	1 01	82 01	7,405 0	-8 8	144 4	93 51	144 7	
7,415 0	1 19	78 99	7,410 0	-8 8	144 5	93 50	144 8	
7,420 0	1 37	74 62	7,415 0	-8 8	144 6	93 48	144 9	
7,425 0	1 52	73 67	7,420 0	-8 8	144 8	93 47	145 0	
7,430 0	1 71	73 78	7,425 0	-8 7	144 9	93 45	145 2	
7,435 0	1 88	74 74	7,430 0	-8 7	145 1	93 43	145 3	
7,440 0	2 17	74 83	7,435 0	-8 6	145 2	93 41	145 5	
7,445 0	2 38	72 55	7,440 0	-8 6	145 4	93 38	145 7	
7,450 0	2 52	72 33	7,445 0	-8 5	145 6	93 35	145 9	
7,455 0	3 07	73 61	7,450 0	-8 5	145 9	93 32	146 1	
7,460 0	3 40	74 25	7,455 0	-8 4	146 1	93 28	146 4	
7,465 0	3 81	74 88	7,460 0	-8 3	146 4	93 24	146 7	
7,470 0	4 13	77 67	7,465 0	-8 2	146 8	93 20	147 0	
7,475 0	4 49	78 69	7,469 9	-8 1	147 1	93 16	147 4	
7,480 0	4 74	79 79	7,474 9	-8 1	147 5	93 13	147 7	
7,485 0	5 01	80 65	7,479 9	-8 0	147 9	93 09	148 2	
7,490 0	5 22	80 35	7,484 9	-7 9	148 4	93 05	148 6	
7,495 0	5 44	80 56	7,489 9	-7 8	148 8	93 01	149 0	
7,500 0	5 68	81 22	7,494 8	-7 8	149 3	92 97	149 5	
7,505 0	5 86	81 60	7,499 8	-7 7	149 8	92 94	150 0	
7,510 0	6 00	81 71	7,504 8	-7 6	150 3	92 90	150 5	
7,515 0	6 09	81 78	7,509 8	-7 5	150 9	92 86	151 0	
7,520 0	6 16	81 86	7,514 7	-7 5	151 4	92 82	151 6	
7,525 0	6 20	82 37	7,519 7	-7 4	151 9	92 78	152 1	
7,530 0	6 26	83 04	7,524 7	-7 3	152 5	92 75	152 6	
7,535 0	6 33	83 84	7,529 6	-7 2	153 0	92 71	153 2	
7,540 0	6 35	84 18	7,534 6	-7 2	153 5	92 68	153 7	
7,545 0	6 36	84 65	7,539 6	-7 1	154 1	92 65	154 3	
7,550 0	6 36	85 46	7,544 6	-7 1	154 6	92 63	154 8	
7,555 0	6 40	86 39	7,549 5	-7 1	155 2	92 60	155 4	
7,560 0	6 50	86 95	7,554 5	-7 0	155 8	92 58	155 9	
7,565 0	6 62	87 41	7,559 5	-7 0	156 3	92 56	156 5	
7,570 0	6 83	87 71	7,564 4	-7 0	156 9	92 54	157 1	
7,575 0	7 09	87 77	7,569 4	-6 9	157 5	92 52	157 7	
7,580 0	7 33	87 75	7,574 4	-6 9	158 1	92 50	158 3	
7,585 0	7 66	87 33	7,579 3	-6 9	158 8	92 48	159 0	
7,590 0	8 15	87 23	7,584 3	-6 9	159 5	92 46	159 6	
7,595 0	8 78	86 35	7,589 2	-6 8	160 2	92 44	160 4	
7,600 0	9 59	85 51	7,594 1	-6 8	161 0	92 40	161 2	
7,605 0	10 57	85 16	7,599 1	-6 7	161 9	92 37	162 0	
7,610 0	11 38	84 84	7,604 0	-6 6	162 8	92 32	163 0	
7,615 0	12 09	84 69	7,608 9	-6 5	163 9	92 28	164 0	
7,620 0	12 77	84 82	7,613 8	-6 4	164 9	92 23	165 0	

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Loving "7" Fee #1H
Project:	Wildcat (Chaves County, NM)	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Chaves County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Loving "7" Fee #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1110900	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1110900	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
7,625.0	13.54	85.35	7,618.6	-6.3	166.1	92.18	166.2
7,630.0	14.34	86.27	7,623.5	-6.2	167.3	92.13	167.4
7,635.0	15.22	87.34	7,628.3	-6.2	168.5	92.09	168.6
7,640.0	15.84	87.97	7,633.1	-6.1	169.9	92.06	170.0
7,645.0	16.37	88.85	7,637.9	-6.1	171.3	92.03	171.4
7,650.0	17.04	90.22	7,642.7	-6.1	172.7	92.01	172.8
7,655.0	17.63	90.52	7,647.5	-6.1	174.2	91.99	174.3
7,660.0	18.26	91.13	7,652.2	-6.1	175.7	91.98	175.8
7,665.0	18.99	91.29	7,657.0	-6.1	177.3	91.98	177.4
7,670.0	19.69	91.57	7,661.7	-6.2	179.0	91.97	179.1
7,675.0	20.41	91.87	7,666.4	-6.2	180.7	91.97	180.8
7,680.0	20.90	91.86	7,671.1	-6.3	182.5	91.97	182.6
7,685.0	21.52	92.28	7,675.7	-6.3	184.3	91.97	184.4
7,690.0	21.93	92.07	7,680.4	-6.4	186.1	91.97	186.2
7,695.0	22.44	91.99	7,685.0	-6.5	188.0	91.97	188.1
7,700.0	23.15	91.88	7,689.6	-6.5	189.9	91.97	190.0

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Loving "7" Fee #1H
Project:	Wildcat (Chaves County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Chaves County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Loving "7" Fee #1H	North Reference:	Grd
Wellbore:	VH - job #32K1210978	Survey Calculation Method:	Minimum Curvature
Design:	VH - job #32K1210978	Database:	EDM-Regulatory

Project:	Wildcat (Chaves County, NM)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Chaves County, NM		
Site Position:		Northing:	895,355 27 usft
From:	Lat/Long	Easting:	595,224 55 usft
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16"
		Latitude:	33° 27' 39 348 N
		Longitude:	104° 1' 15 964 W
		Grid Convergence:	0 17 °

Well:	Loving "7" Fee #1H, Directional (CUDD)		
Well Position	+N/-S	0 0 usft	Northing: 895,355 27 usft
	+E/-W	0 0 usft	Easting: 595,224 55 usft
Position Uncertainty	0 0 usft	Wellhead Elevation:	usft
		Latitude:	33° 27' 39 348 N
		Longitude:	104° 1' 15 964 W
		Ground Level:	0 0 usft

Wellbore : VH - job #32K1210978					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	12/11/2010	8 02	61 28	49,422

Design					VH - job #32K1210978							
Audit Notes												
Version		1 0		Phase:		ACTUAL		Tie On Depth:		7,700 0		
Vertical Section:		Depth From (TVD)			+N/-S			+E/-W			Direction	
		(usft)			(usft)			(usft)			(°)	
		0 0			0 0			0 0			91 44	

Survey Program	Date	1/12/2011		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
100 0	6,456 0	Actual (VH - Job #32K1010766)	Keeper	Keeper Gyro
6,500 0	7,700 0	Actual (VH - Job #32K1110900)	Keeper	Keeper Gyro
7,705 0	8,276 0	Actual (VH - job #32K1210978)	Keeper	Keeper Gyro

Survey							
Measured Depth	Inclination	Azimuth	True Vertical	North/South	East/West	Closure Azimuth	Closure Distance
(usft)	(°)	(°)	Depth	(usft)	(usft)	(°)	(usft)
7,700 0	23 15	91 88	7,689 6	-6 5	189 9	91 97	190 0
7,705 0	22 80	92 07	7,694 2	-6 6	191 9	91 97	192 0
7,710 0	23 00	91 91	7,698 8	-6 7	193 8	91 97	193 9
7,715 0	23 25	91 79	7,703 4	-6 7	195 8	91 97	195 9
7,720 0	23 46	91 70	7,708 0	-6 8	197 8	91 97	197 9
7,725 0	23 66	91 60	7,712 6	-6 9	199 8	91 96	199 9
7,730 0	23 88	91 47	7,717 2	-6 9	201 8	91 96	201 9
7,735 0	24 00	91 55	7,721 8	-7 0	203 8	91 96	203 9
7,740 0	23 97	91 46	7,726 3	-7 0	205 8	91 95	206 0
7,745 0	23 79	91 39	7,730 9	-7 1	207 9	91 95	208 0

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Loving "7" Fee #1H
Project:	Wildcat (Chaves County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Chaves County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Loving "7" Fee #1H	North Reference:	Grid
Wellbore:	VH - job #32K1210978	Survey Calculation Method:	Minimum Curvature
Design:	VH - job #32K1210978	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
7,750 0	23 69	91 48	7,735 5	-7 1	209 9	91 94	210 0
7,755 0	23 65	91 56	7,740 0	-7 2	211 9	91 94	212 0
7,760 0	23 61	91 67	7,744 6	-7 2	213 9	91 93	214 0
7,765 0	23 62	91 76	7,749 2	-7 3	215 9	91 93	216 0
7,770 0	23 47	91 97	7,753 8	-7 3	217 9	91 93	218 0
7,775 0	23 33	92 04	7,758 4	-7 4	219 9	91 93	220 0
7,780 0	23 35	91 99	7,763 0	-7 5	221 9	91 93	222 0
7,785 0	23 31	91 88	7,767 6	-7 6	223 8	91 93	224 0
7,790 0	23 36	91 88	7,772 2	-7 6	225 8	91 93	225 9
7,795 0	23 47	91 81	7,776 7	-7 7	227 8	91 93	227 9
7,800 0	23 59	91 86	7,781 3	-7 7	229 8	91 93	229 9
7,805 0	23 78	91 91	7,785 9	-7 8	231 8	91 93	231 9
7,810 0	23 97	92 06	7,790 5	-7 9	233 8	91 93	234 0
7,815 0	24 19	92 28	7,795 0	-8 0	235 9	91 93	236 0
7,820 0	24 36	92 31	7,799 6	-8 0	237 9	91 94	238 0
7,825 0	24 61	92 32	7,804 2	-8 1	240 0	91 94	240 1
7,830 0	24 92	92 36	7,808 7	-8 2	242 1	91 94	242 2
7,835 0	24 99	92 47	7,813 2	-8 3	244 2	91 95	244 3
7,840 0	25 11	92 58	7,817 8	-8 4	246 3	91 95	246 4
7,845 0	25 20	92 65	7,822 3	-8 5	248 4	91 96	248 6
7,850 0	25 14	92 68	7,826 8	-8 6	250 5	91 96	250 7
7,855 0	24 98	92 68	7,831 3	-8 7	252 7	91 97	252 8
7,860 0	24 80	92 58	7,835 9	-8 8	254 8	91 98	254 9
7,865 0	24 59	92 73	7,840 4	-8 9	256 9	91 98	257 0
7,870 0	24 50	92 87	7,845 0	-9 0	258 9	91 99	259 1
7,875 0	24 45	93 02	7,849 5	-9 1	261 0	91 99	261 2
7,880 0	24 43	93 12	7,854 1	-9 2	263 1	92 00	263 2
7,885 0	24 30	93 22	7,858 6	-9 3	265 1	92 01	265 3
7,890 0	24 19	93 24	7,863 2	-9 4	267 2	92 02	267 3
7,895 0	24 07	93 35	7,867 7	-9 5	269 2	92 03	269 4
7,900 0	23 91	93 52	7,872 3	-9 7	271 2	92 04	271 4
7,905 0	23 84	93 68	7,876 9	-9 8	273 3	92 05	273 4
7,910 0	23 73	93 67	7,881 5	-9 9	275 3	92 07	275 5
7,915 0	23 61	93 52	7,886 0	-10 1	277 3	92 08	277 5
7,920 0	23 61	93 29	7,890 6	-10 2	279 3	92 09	279 5
7,925 0	23 69	93 14	7,895 2	-10 3	281 3	92 09	281 5
7,930 0	23 68	93 20	7,899 8	-10 4	283 3	92 10	283 5
7,935 0	23 74	93 21	7,904 4	-10 5	285 3	92 11	285 5
7,940 0	23 91	93 13	7,908 9	-10 6	287 3	92 12	287 5
7,945 0	24 13	92 95	7,913 5	-10 7	289 3	92 12	289 5
7,950 0	24 52	92 75	7,918 1	-10 8	291 4	92 13	291 6
7,955 0	25 02	92 70	7,922 6	-10 9	293 5	92 13	293 7
7,960 0	25 40	92 69	7,927 1	-11 0	295 6	92 14	295 8
7,965 0	25 70	92 68	7,931 6	-11 1	297 8	92 14	298 0
7,970 0	26 10	92 64	7,936 1	-11 2	300 0	92 14	300 2

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Loving "7" Fee #1H
Project:	Wildcat (Chaves County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Chaves County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Loving "7" Fee #1H	North Reference:	Grid
Wellbore:	VH - job #32K1210978	Survey Calculation Method:	Minimum Curvature
Design:	VH - job #32K1210978	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
7,975 0	26 50	92 57	7,940 6	-11 3	302 2	92 15	302 4
7,980 0	26 97	92 52	7,945 1	-11 4	304 4	92 15	304 6
7,985 0	27 46	92 50	7,949 5	-11 5	306 7	92 15	306 9
7,990 0	27 92	92 58	7,953 9	-11 6	309 0	92 16	309 2
7,995 0	28 20	92 47	7,958 4	-11 7	311 4	92 16	311 6
8,000 0	28 48	92 44	7,962 8	-11 8	313 7	92 16	314 0
8,005 0	28 82	92 29	7,967 1	-11 9	316 1	92 16	316 4
8,010 0	29 23	92 18	7,971 5	-12 0	318 6	92 16	318 8
8,015 0	29 66	92 24	7,975 9	-12 1	321 0	92 16	321 2
8,020 0	30 25	92 15	7,980 2	-12 2	323 5	92 16	323 7
8,025 0	30 85	92 07	7,984 5	-12 3	326 0	92 16	326 3
8,030 0	31 54	91 98	7,988 8	-12 4	328 6	92 16	328 9
8,035 0	32 18	91 88	7,993 0	-12 5	331 3	92 16	331 5
8,040 0	33 00	92 00	7,997 2	-12 6	334 0	92 16	334 2
8,045 0	33 89	92 11	8,001 4	-12 7	336 7	92 16	337 0
8,050 0	34 86	92 11	8,005 5	-12 8	339 5	92 16	339 8
8,055 0	35 76	92 11	8,009 6	-12 9	342 4	92 16	342 7
8,060 0	36 63	92 04	8,013 7	-13 0	345 4	92 16	345 6
8,065 0	37 74	91 91	8,017 6	-13 1	348 4	92 15	348 6
8,070 0	38 90	91 71	8,021 6	-13 2	351 5	92 15	351 7
8,075 0	40 83	91 33	8,025 4	-13 3	354 7	92 15	354 9
8,080 0	42 14	91 05	8,029 2	-13 4	358 0	92 14	358 3
8,085 0	43 37	90 78	8,032 8	-13 4	361 4	92 13	361 7
8,090 0	44 68	90 55	8,036 4	-13 5	364 9	92 11	365 1
8,095 0	45 98	90 37	8,039 9	-13 5	368 4	92 10	368 7
8,100 0	47 36	90 15	8,043 4	-13 5	372 1	92 08	372 3
8,105 0	48 95	89 90	8,046 7	-13 5	375 8	92 06	376 0
8,110 0	50 51	89 70	8,049 9	-13 5	379 6	92 04	379 9
8,115 0	52 14	89 55	8,053 1	-13 5	383 5	92 01	383 8
8,120 0	53 23	89 46	8,056 1	-13 4	387 5	91 98	387 7
8,125 0	54 21	89 48	8,059 0	-13 4	391 5	91 96	391 8
8,130 0	54 97	89 46	8,061 9	-13 4	395 6	91 93	395 8
8,135 0	55 58	89 46	8,064 8	-13 3	399 7	91 91	399 9
8,140 0	56 08	89 49	8,067 6	-13 3	403 8	91 88	404 1
8,145 0	56 45	89 50	8,070 4	-13 2	408 0	91 86	408 2
8,150 0	56 81	89 54	8,073 1	-13 2	412 2	91 84	412 4
8,155 0	57 12	89 49	8,075 8	-13 2	416 4	91 81	416 6
8,160 0	57 46	89 43	8,078 6	-13 1	420 6	91 79	420 8
8,165 0	58 10	89 43	8,081 2	-13 1	424 8	91 76	425 0
8,170 0	58 73	89 46	8,083 8	-13 0	429 1	91 74	429 3
8,175 0	59 40	89 52	8,086 4	-13 0	433 4	91 72	433 5
8,180 0	59 90	89 57	8,088 9	-13 0	437 7	91 70	437 9
8,185 0	60 09	89 61	8,091 4	-12 9	442 0	91 68	442 2
8,190 0	60 32	89 64	8,093 9	-12 9	446 3	91 66	446 5

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Loving "7" Fee #1H.
Project:	Wildcat (Chaves County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Chaves County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Loving "7" Fee #1H	North Reference:	Grid
Wellbore:	VH - job #32K1210978	Survey Calculation Method:	Minimum Curvature
Design:	VH - job #32K1210978	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
8,195 0	60 70	89 66	8,096 4	-12 9	450 7	91 64	450 9
8,200 0	61 27	89 77	8,098 8	-12 9	455 1	91 62	455 2
8,205 0	61 82	89 82	8,101 2	-12 9	459 5	91 60	459 6
8,210 0	62 36	89 84	8,103 5	-12 8	463 9	91 59	464 1
8,215 0	62 59	89 88	8,105 8	-12 8	468 3	91 57	468 5
8,220 0	62 95	90 01	8,108 1	-12 8	472 8	91 55	472 9
8,225 0	63 38	90 08	8,110 4	-12 8	477 2	91 54	477 4
8,230 0	64 05	90 15	8,112 6	-12 8	481 7	91 53	481 9
8,235 0	64 74	90 21	8,114 8	-12 8	486 2	91 51	486 4
8,240 0	65 49	90 28	8,116 9	-12 9	490 7	91 50	490 9
8,245 0	65 85	90 31	8,118 9	-12 9	495 3	91 49	495 5
8,250 0	66 07	90 46	8,121 0	-12 9	499 9	91 48	500 0
8,255 0	66 43	90 54	8,123 0	-13 0	504 4	91 47	504 6
8,260 0	66 96	90 69	8,125 0	-13 0	509 0	91 46	509 2
8,265 0	67 53	90 72	8,126 9	-13 1	513 6	91 46	513 8
8,270 0	68 16	90 67	8,128 8	-13 1	518 3	91 45	518 4
8,275 0	68 63	90 68	8,130 6	-13 2	522 9	91 44	523 1
8,276 0	68 72	90 69	8,131 0	-13 2	523 9	91 44	524 0



Scientific Drilling
Directional Drilling Operations

Project Wildcat (Chaves County, NM)
Chaves County, NM
Well Loving "7" Fee #1H
Wellbore VH - job #32K1210978
Design VH - job #32K1210978



Azimuths to Grid North
True North. -0 17°
Magnetic North 7 85°

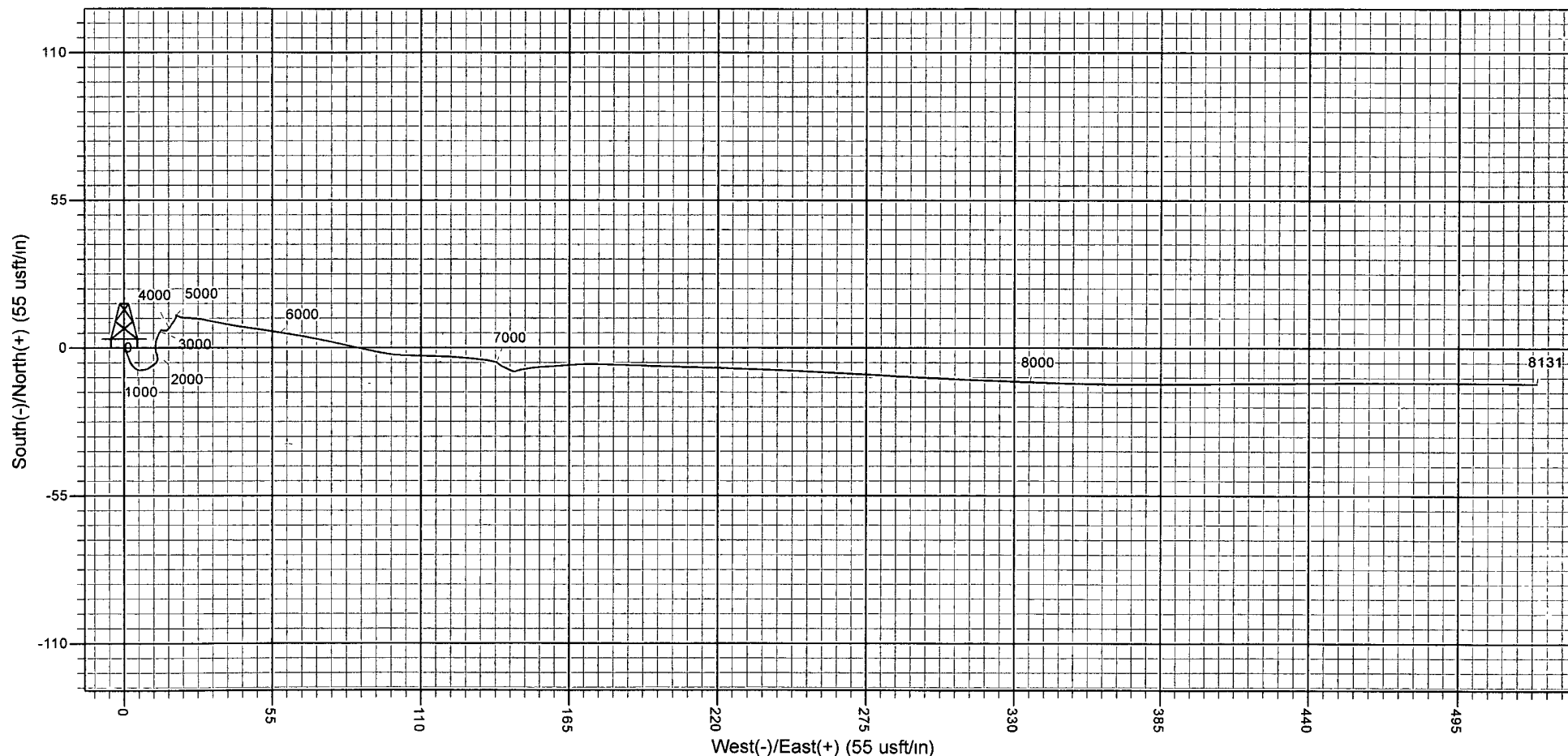
Magnetic Field
Strength 49421.9snT
Dip Angle 61 28°
Date 12/11/2010
Model BGGM2010

WELL DETAILS Loving "7" Fee #1H

WELL @ 0 0usft (Original Well Elev)

Ground Level 0 0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0 0	0 0	895355 27	595224 55	33° 27' 39 348 N	104° 1' 15 964 W	



PROJECT DETAILS Wildcat (Chaves County, NM)
Geodetic System US State Plane 1927 (Exact solution)
Datum NAD 1927 (NADCON CONUS)
Ellipsoid Clarke 1866
Zone New Mexico East 3001
System Datum Mean Sea Level

SITE DETAILS Chaves County, NM
Site Centre Latitude 33° 27' 39 348 N
Longitude 104° 1' 15 964 W
Positional Uncertainty 0 0
Convergence 0 17
Local North Grid