

30-025-40105

SUR: M-6-25s-32e, 200/S & 1050/W
BHL: C-6-25s-32e, 4951/S & 1676/W
API # 30-025-40105

DEVON ENERGY

Wildcat (Lea County, NM)
Lea County, NM
Trionyx "6" Federal #3H
VH - Job #32K0611610

HOBBS OCD

NOV 22 2011

RECEIVED

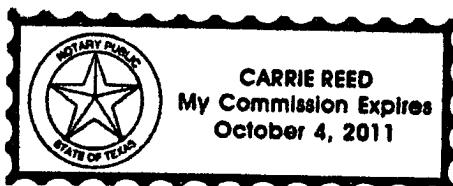
Survey: Actual

SDI Standard Survey Report

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

Michaela
Notarized this date 22nd of July, 2011.

Carrie Reed
Notary Signature
County of Midland
State of Texas



JAN 23 2012

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Trionyx "6" Federal #3H
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0611610	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0611610	Database:	EDM-Regulatory

Project	Wildcat (Lea 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	Lea County, NM		
Site Position:		Northing:	419,798 73 usft
From:	Lat/Long	Easting:	689,831 11 usft
Position Uncertainty:	0 0 usft	Slot Radius:	0"
		Latitude:	32° 9' 9 565 N
		Longitude:	103° 43' 11 824 W
		Grid Convergence:	0 33 °

Well	Trionyx "6" Federal #3H, Directional (Weatherford)		
Well Position	+N/-S	0 0 usft	Northing: 419,799 20 usft
	+E/-W	0 0 usft	Easting: 689,931 09 usft
Position Uncertainty	0 0 usft	Wellhead Elevation:	usft
		Latitude:	32° 9' 9 564 N
		Longitude:	103° 43' 10 661 W
		Ground Level:	0 0 usft

Wellbore	VH - Job #32K0611610				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/29/2011	7 65	60 09	48,579

Design	VH - Job #32K0611610			
Audit Notes:				
Version:	1 0	Phase:	ACTUAL	Tie On Depth: 0 0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0 0	0 0	0 0	7 48

Survey Program	Date	7/20/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100 0	711 0	Actual (VH - Job #32K0611610)	Keeper	Keeper Gyro

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
0 0	0 00	0 00	0 0	0 0	0 0	0 00	0 0	
100 0	1 20	211 21	100 0	-0 9	-0 5	211 21	1 0	
200 0	1 25	217 54	200 0	-2 7	-1 7	213 38	3 2	
300 0	0 86	210 19	300 0	-4 2	-2 8	213 80	5 0	
400 0	1 03	198 69	399 9	-5 7	-3 5	211 37	6 6	
500 0	1 41	210 28	499 9	-7 6	-4 4	209 93	8 8	
600 0	1 15	217 98	599 9	-9 4	-5 6	210 70	11 0	
700 0	0 95	202 30	699 9	-11 0	-6 5	210 73	12 8	
711 0	0 75	221 75	710 9	-11 1	-6 6	210 73	13 0	



Scientific Drilling
Directional Drilling Operations

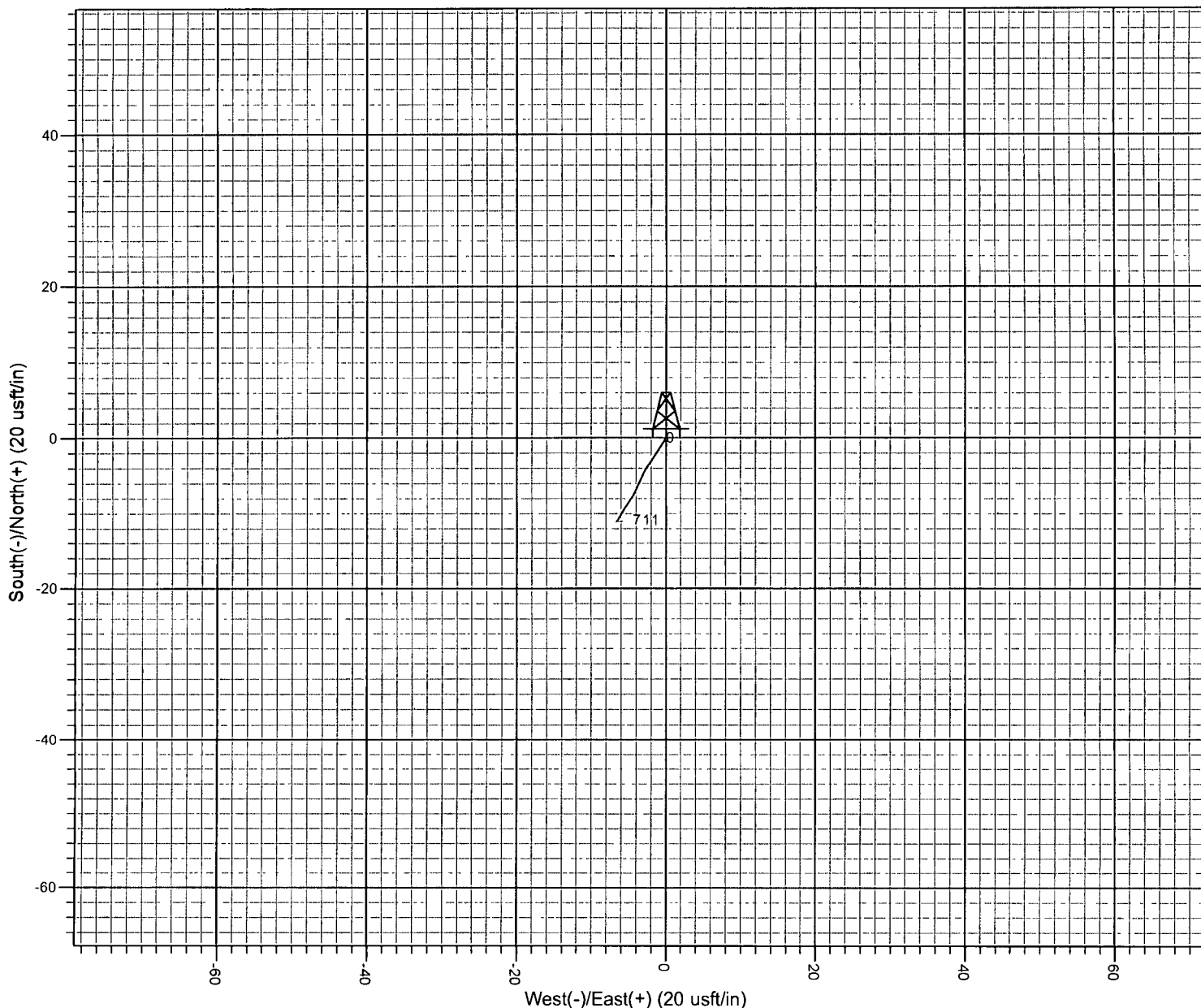
Project: Wildcat (Lea County, NM)
Lea County, NM
Well: Trionyx "6" Federal #3H
Wellbore: VH - Job #32K0611610
Design: VH - Job #32K0611610



Azimuths to Grid North
True North -0 33°
Magnetic North 7 32°
Magnetic Field
Strength: 48578 8snT
Dip Angle 60.09°
Date 6/29/2011
Model: IGRF2010

WELL DETAILS: Trionyx "6" Federal #3H
WELL @ 0.0usft (Original Well Elev)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0 0	419799 20	689931.09	32° 9' 9.564 N	103° 43' 10.661 W	



PROJECT DETAILS: Wildcat (Lea 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: Lea County, NM
Site Centre Latitude: 32° 9' 9.565 N
Longitude: 103° 43' 11.824 W
Positional Uncertainty: 0.0
Convergence: 0.33
Local North: Grid

30-025-40105

DEVON ENERGY

Wildcat (Lea County, NM)

Lea County, NM

Trionyx "6" Federal #3H

VH - Job #32K0811776

SUR: M-6-25s-32e, 200/S & 1050/W
BHL: C-6-25s-32e, 4951/S & 1676/W
API # 30-025-40105

Survey: Actual

SDI Standard Survey Report

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

Richard

Notarized this date 27th of September, 2011.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Trionyx "6" Federal #3H
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Project	Wildcat (Lea 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		

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Site Position:		Northing:	419,798 73 usft
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Position Uncertainty:	0 0 usft	Slot Radius:	0"
		Latitude:	32° 9' 9 565 N
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		Grid Convergence:	0 33 °

Well	Trionyx "6" Federal #3H, Directional (Weatherford)		
Well Position	+N/-S	0 0 usft	Northing: 419,799 20 usft
	+E/-W	0 0 usft	Easting: 689,931 09 usft
Position Uncertainty	0 0 usft	Wellhead Elevation:	usft
		Latitude:	32° 9' 9 564 N
		Longitude:	103° 43' 10 661 W
		Ground Level:	0 0 usft

Wellbore	VH - Job #32K0811776		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	8/16/2011	7 63
			Dip Angle (°)
			60 09
			Field Strength (nT)
			48,566

Design	VH - Job #32K0811776		
Audit Notes:			
Version:	1 0	Phase:	ACTUAL
		Tie On Depth:	711 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0 0	0 0	0 0
			Direction (°)
			8 10

Survey Program	Date	10/13/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100 0	711 0	Actual (VH - Job #32K0611610)	Keeper	Keeper Gyro
725 0	13,674 0	Actual (VH - Job #32K0811776)	Keeper	Keeper Gyro

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
711 0	0 75	221 75	710 9	-11 1	-6 6	210 73	13 0	
725 0	1 04	216 84	724 9	-11 3	-6 8	210 86	13 2	
750 0	1 08	213 85	749 9	-11 7	-7 0	211 02	13 6	
775 0	1 17	210 31	774 9	-12 1	-7 3	211 05	14 1	
800 0	1 14	211 63	799 9	-12 5	-7 5	211 05	14 6	
825 0	1 25	208 76	824 9	-13 0	-7 8	211 02	15 1	
850 0	1 12	213 59	849 8	-13 4	-8 1	211 02	15 7	
875 0	0 98	205 74	874 8	-13 8	-8 3	210 99	16 1	
900 0	0 92	179 03	899 8	-14 2	-8 4	210 55	16 5	
925 0	1 22	145 68	924 8	-14 6	-8 2	209 37	16 8	
950 0	1 34	135 18	949 8	-15 1	-7 9	207 62	17 0	

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Site:	Lea County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
975 0	1 46	134 36	974 8	-15 5	-7 4	205 67	17 2	
1,000 0	1 61	133 10	999 8	-16 0	-7 0	203 57	17 4	
1,025 0	1 67	128 98	1,024 8	-16 4	-6 4	201 35	17 6	
1,050 0	1 77	123 82	1,049 8	-16 9	-5 8	199 03	17 8	
1,075 0	1 79	118 51	1,074 8	-17 3	-5 2	196 62	18 0	
1,100 0	1 80	113 18	1,099 8	-17 6	-4 4	194 18	18 2	
1,125 0	1 91	102 60	1,124 8	-17 9	-3 7	191 65	18 2	
1,150 0	1 91	98 08	1,149 7	-18 0	-2 9	189 03	18 2	
1,175 0	2 00	92 90	1,174 7	-18 1	-2 0	186 35	18 2	
1,200 0	2 15	84 76	1,199 7	-18 1	-1 1	183 52	18 1	
1,225 0	2 25	80 91	1,224 7	-17 9	-0 2	180 51	17 9	
1,250 0	2 29	77 43	1,249 7	-17 8	0 8	177 38	17 8	
1,275 0	2 19	73 99	1,274 7	-17 5	1 8	174 26	17 6	
1,300 0	1 97	77 11	1,299 6	-17 3	2 6	171 33	17 5	
1,325 0	2 29	80 95	1,324 6	-17 1	3 5	168 28	17 5	
1,350 0	2 11	74 15	1,349 6	-16 9	4 5	165 14	17 5	
1,375 0	2 25	81 75	1,374 6	-16 7	5 4	162 05	17 6	
1,400 0	2 16	73 63	1,399 6	-16 5	6 4	158 96	17 7	
1,425 0	2 08	81 58	1,424 5	-16 3	7 3	156 03	17 8	
1,450 0	2 28	83 87	1,449 5	-16 2	8 2	153 15	18 1	
1,475 0	2 43	77 09	1,474 5	-16 0	9 2	150 11	18 5	
1,500 0	2 17	78 57	1,499 5	-15 8	10 2	147 20	18 8	
1,525 0	2 18	84 04	1,524 5	-15 7	11 1	144 62	19 2	
1,550 0	2 48	82 68	1,549 4	-15 5	12 1	142 03	19 7	
1,575 0	2 51	78 65	1,574 4	-15 4	13 2	139 33	20 3	
1,600 0	2 50	77 37	1,599 4	-15 1	14 3	136 69	20 8	
1,625 0	2 39	76 59	1,624 4	-14 9	15 3	134 22	21 4	
1,650 0	2 27	76 70	1,649 4	-14 7	16 3	131 97	21 9	
1,675 0	2 25	83 37	1,674 3	-14 5	17 3	130 01	22 5	
1,700 0	2 51	84 01	1,699 3	-14 4	18 3	128 16	23 3	
1,725 0	2 58	78 95	1,724 3	-14 2	19 4	126 23	24 1	
1,750 0	2 57	77 53	1,749 3	-14 0	20 5	124 31	24 8	
1,775 0	2 51	76 89	1,774 2	-13 7	21 6	122 49	25 6	
1,800 0	2 43	75 99	1,799 2	-13 5	22 6	120 80	26 3	
1,825 0	2 36	77 14	1,824 2	-13 2	23 6	119 26	27 1	
1,850 0	2 29	82 17	1,849 2	-13 1	24 6	117 93	27 9	
1,875 0	2 41	86 15	1,874 2	-13 0	25 7	116 80	28 7	
1,900 0	2 50	86 16	1,899 1	-12 9	26 7	115 75	29 7	
1,925 0	2 67	83 44	1,924 1	-12 8	27 9	114 66	30 6	
1,950 0	2 66	79 84	1,949 1	-12 6	29 0	113 51	31 6	
1,975 0	2 63	80 24	1,974 1	-12 4	30 1	112 40	32 6	
2,000 0	2 60	77 52	1,999 0	-12 2	31 3	111 32	33 6	
2,025 0	2 58	74 46	2,024 0	-11 9	32 4	110 24	34 5	
2,050 0	2 48	70 90	2,049 0	-11 6	33 4	109 15	35 4	

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Site:	Lea County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
2,075.0	2.37	71.64	2,074.0	-11.3	34.4	108.12	36.2
2,100.0	2.43	77.32	2,098.9	-11.0	35.4	107.22	37.1
2,125.0	2.73	74.54	2,123.9	-10.7	36.5	106.34	38.0
2,150.0	2.73	75.66	2,148.9	-10.4	37.7	105.44	39.1
2,175.0	2.72	76.22	2,173.9	-10.1	38.8	104.60	40.1
2,200.0	2.75	76.11	2,198.8	-9.8	40.0	103.81	41.2
2,225.0	2.55	73.89	2,223.8	-9.5	41.1	103.05	42.2
2,250.0	2.50	76.86	2,248.8	-9.2	42.1	102.37	43.2
2,275.0	2.29	80.82	2,273.7	-9.0	43.2	101.83	44.1
2,300.0	2.50	86.82	2,298.7	-8.9	44.2	101.42	45.1
2,325.0	2.66	84.69	2,323.7	-8.8	45.3	101.05	46.2
2,350.0	2.71	82.58	2,348.7	-8.7	46.5	100.62	47.3
2,375.0	2.67	80.27	2,373.6	-8.5	47.7	100.17	48.4
2,400.0	2.64	79.11	2,398.6	-8.3	48.8	99.70	49.5
2,425.0	2.53	79.58	2,423.6	-8.1	49.9	99.25	50.6
2,450.0	2.51	80.37	2,448.6	-7.9	51.0	98.85	51.6
2,475.0	2.48	82.23	2,473.5	-7.8	52.1	98.49	52.6
2,500.0	2.54	86.90	2,498.5	-7.7	53.2	98.21	53.7
2,525.0	2.92	87.02	2,523.5	-7.6	54.3	97.97	54.9
2,550.0	2.80	83.51	2,548.5	-7.5	55.6	97.69	56.1
2,575.0	2.71	85.19	2,573.4	-7.4	56.8	97.41	57.3
2,600.0	2.74	90.86	2,598.4	-7.3	58.0	97.22	58.4
2,625.0	3.06	87.74	2,623.4	-7.3	59.2	97.05	59.7
2,650.0	3.03	86.97	2,648.3	-7.3	60.6	96.84	61.0
2,675.0	3.00	87.41	2,673.3	-7.2	61.9	96.64	62.3
2,700.0	2.96	89.62	2,698.3	-7.2	63.2	96.47	63.6
2,725.0	2.79	93.61	2,723.2	-7.2	64.4	96.38	64.8
2,750.0	2.52	95.53	2,748.2	-7.3	65.6	96.35	66.0
2,775.0	2.31	97.32	2,773.2	-7.4	66.6	96.35	67.0
2,800.0	2.02	103.00	2,798.2	-7.6	67.6	96.40	68.0
2,825.0	1.67	103.14	2,823.2	-7.8	68.3	96.48	68.8
2,850.0	1.52	100.14	2,848.2	-7.9	69.0	96.53	69.5
2,875.0	1.42	98.14	2,873.1	-8.0	69.6	96.55	70.1
2,900.0	1.22	88.01	2,898.1	-8.0	70.2	96.53	70.7
2,925.0	1.26	70.09	2,923.1	-7.9	70.7	96.40	71.2
2,950.0	1.36	63.62	2,948.1	-7.7	71.3	96.17	71.7
2,975.0	1.63	55.66	2,973.1	-7.4	71.8	95.86	72.2
3,000.0	1.53	57.34	2,998.1	-7.0	72.4	95.52	72.7
3,025.0	1.97	56.13	3,023.1	-6.6	73.0	95.14	73.3
3,050.0	2.17	54.72	3,048.1	-6.1	73.8	94.70	74.0
3,075.0	2.56	54.47	3,073.1	-5.5	74.6	94.19	74.8
3,100.0	2.56	55.33	3,098.0	-4.8	75.5	93.65	75.7
3,125.0	2.69	57.52	3,123.0	-4.2	76.5	93.13	76.6
3,150.0	3.00	62.52	3,148.0	-3.6	77.6	92.64	77.7
3,175.0	3.21	60.69	3,172.9	-2.9	78.8	92.13	78.8

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Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
3,200.0	3 22	68 79	3,197 9	-2 3	80 0	91 67	80 1
3,225 0	3 28	74 88	3,222 9	-1 9	81 4	91 33	81 4
3,250 0	3 65	74 42	3,247 8	-1 5	82 8	91 03	82 8
3,275 0	3 54	74 35	3,272 8	-1 1	84 3	90 73	84 3
3,300 0	3 40	75 88	3,297 7	-0 7	85 8	90 45	85 8
3,325 0	3 26	80 56	3,322 7	-0 4	87 2	90 25	87 2
3,350 0	3 35	81 33	3,347 6	-0 2	88 6	90 10	88 6
3,375 0	3 23	86 06	3,372 6	0 0	90 1	90 00	90 1
3,400 0	3 05	90 36	3,397 6	0 0	91 4	89 97	91 4
3,425 0	2 88	90 94	3,422 5	0 0	92 7	89 98	92 7
3,450 0	2 78	95 51	3,447 5	0 0	94 0	90 02	94 0
3,475 0	3 14	93 38	3,472 5	-0 1	95 2	90 08	95 2
3,500 0	3 15	91 90	3,497 4	-0 2	96 6	90 12	96 6
3,525 0	3 16	92 48	3,522 4	-0 2	98 0	90 15	98 0
3,550 0	3 18	92 19	3,547 3	-0 3	99 4	90 18	99 4
3,575 0	3 16	91 51	3,572 3	-0 3	100 8	90 20	100 8
3,600 0	2 90	92 05	3,597 3	-0 4	102 1	90 22	102 1
3,625 0	2 97	96 20	3,622 2	-0 5	103 3	90 27	103 4
3,650 0	3 18	94 49	3,647 2	-0 6	104 7	90 33	104 7
3,675 0	3 24	94 62	3,672 2	-0 7	106 1	90 39	106 1
3,700 0	3 29	92 54	3,697 1	-0 8	107 5	90 43	107 5
3,725 0	3 27	92 72	3,722 1	-0 9	108 9	90 46	108 9
3,750 0	3 24	92 14	3,747 0	-0 9	110 3	90 48	110 4
3,775 0	3 29	92 07	3,772 0	-1 0	111 8	90 51	111 8
3,800 0	3 28	91 50	3,797 0	-1 0	113 2	90 52	113 2
3,825 0	3 10	92 04	3,821 9	-1 1	114 6	90 54	114 6
3,850 0	3 30	95 40	3,846 9	-1 2	116 0	90 58	116 0
3,875 0	3 09	95 13	3,871 8	-1 3	117 4	90 63	117 4
3,900 0	3 41	96 06	3,896 8	-1 4	118 8	90 69	118 8
3,925 0	3 15	94 12	3,921 8	-1 6	120 2	90 74	120 2
3,950 0	3 45	97 72	3,946 7	-1 7	121 6	90 81	121 7
3,975 0	3 18	98 72	3,971 7	-1 9	123 1	90 89	123 1
4,000 0	3 51	97 77	3,996 6	-2 1	124 5	90 98	124 5
4,025 0	3 38	102 88	4,021 6	-2 4	126 0	91 09	126 0
4,050 0	3 48	100 32	4,046 5	-2 7	127 5	91 21	127 5
4,075 0	3 65	104 63	4,071 5	-3 0	129 0	91 35	129 0
4,100 0	3 46	102 40	4,096 4	-3 4	130 5	91 49	130 5
4,125 0	3 80	107 44	4,121 4	-3 8	132 0	91 65	132 1
4,150 0	3 57	104 82	4,146 3	-4 2	133 5	91 82	133 6
4,175 0	3 82	107 97	4,171 3	-4 7	135 1	91 99	135 2
4,200 0	3 61	106 15	4,196 2	-5 2	136 6	92 17	136 7
4,225 0	3 81	109 05	4,221 2	-5 7	138 2	92 35	138 3
4,250 0	3 63	107 65	4,246 1	-6 2	139 7	92 53	139 9
4,275 0	3 54	107 67	4,271 1	-6 7	141 2	92 70	141 4

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Trionyx "6" Federal #3H
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
4,300.0	3.60	111.96	4,296.0	-7.2	142.7	92.88	142.9
4,325.0	3.76	109.89	4,321.0	-7.8	144.2	93.08	144.4
4,350.0	3.66	110.26	4,345.9	-8.3	145.7	93.27	145.9
4,375.0	3.59	109.69	4,370.9	-8.9	147.2	93.44	147.4
4,400.0	3.46	109.43	4,395.8	-9.4	148.6	93.61	148.9
4,425.0	3.15	108.33	4,420.8	-9.8	150.0	93.75	150.3
4,450.0	2.91	104.05	4,445.8	-10.2	151.3	93.86	151.6
4,475.0	2.83	96.00	4,470.7	-10.4	152.5	93.91	152.8
4,500.0	2.96	84.07	4,495.7	-10.4	153.7	93.88	154.1
4,525.0	3.06	79.39	4,520.7	-10.2	155.0	93.78	155.4
4,550.0	3.15	76.83	4,545.6	-10.0	156.4	93.64	156.7
4,575.0	3.27	74.70	4,570.6	-9.6	157.7	93.49	158.0
4,600.0	3.32	72.27	4,595.5	-9.2	159.1	93.31	159.4
4,625.0	3.25	73.07	4,620.5	-8.8	160.5	93.13	160.7
4,650.0	2.61	68.32	4,645.5	-8.4	161.7	92.96	161.9
4,675.0	2.18	65.37	4,670.5	-7.9	162.6	92.80	162.8
4,700.0	1.79	64.19	4,695.4	-7.6	163.4	92.66	163.6
4,725.0	1.44	59.35	4,720.4	-7.2	164.0	92.53	164.2
4,750.0	1.44	57.94	4,745.4	-6.9	164.6	92.41	164.7
4,775.0	1.40	60.71	4,770.4	-6.6	165.1	92.29	165.2
4,800.0	1.39	57.98	4,795.4	-6.3	165.6	92.18	165.8
4,825.0	1.29	50.38	4,820.4	-6.0	166.1	92.05	166.2
4,850.0	1.00	45.79	4,845.4	-5.6	166.5	91.93	166.6
4,875.0	0.91	65.39	4,870.4	-5.4	166.8	91.85	166.9
4,900.0	1.11	54.88	4,895.4	-5.2	167.2	91.77	167.3
4,925.0	1.08	44.15	4,920.4	-4.9	167.6	91.66	167.6
4,950.0	0.87	49.75	4,945.4	-4.6	167.9	91.56	167.9
4,975.0	0.83	65.76	4,970.4	-4.4	168.2	91.49	168.2
5,000.0	1.03	61.61	4,995.4	-4.2	168.5	91.42	168.6
5,025.0	1.13	54.29	5,020.4	-3.9	168.9	91.34	169.0
5,050.0	1.18	55.49	5,045.4	-3.6	169.3	91.23	169.4
5,075.0	1.08	41.66	5,070.4	-3.3	169.7	91.12	169.7
5,100.0	0.86	44.21	5,095.4	-3.0	170.0	91.02	170.0
5,125.0	1.06	60.85	5,120.3	-2.8	170.3	90.93	170.4
5,150.0	0.96	41.80	5,145.3	-2.5	170.7	90.84	170.7
5,175.0	0.93	55.91	5,170.3	-2.2	171.0	90.75	171.0
5,200.0	1.12	58.39	5,195.3	-2.0	171.4	90.66	171.4
5,225.0	1.17	45.83	5,220.3	-1.7	171.8	90.56	171.8
5,250.0	0.85	51.94	5,245.3	-1.4	172.1	90.46	172.1
5,275.0	1.21	50.11	5,270.3	-1.1	172.4	90.37	172.4
5,300.0	0.89	47.48	5,295.3	-0.8	172.8	90.27	172.8
5,325.0	1.07	59.47	5,320.3	-0.6	173.1	90.18	173.1
5,350.0	1.21	49.18	5,345.3	-0.3	173.5	90.09	173.5
5,375.0	1.17	43.08	5,370.3	0.1	173.9	89.97	173.9

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Trionyx "6" Federal #3H
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
5,400 0	0 88	47 07	5,395 3	0 4	174 2	89 86	174 2	
5,425 0	1 18	51 39	5,420 3	0 7	174 6	89 77	174 6	
5,450 0	0 95	43 53	5,445 3	1 0	174 9	89 67	174 9	
5,475 0	1 17	52 11	5,470 3	1 3	175 2	89 57	175 2	
5,500 0	1 01	38 18	5,495 3	1 7	175 6	89 46	175 6	
5,525 0	1 15	53 47	5,520 3	2 0	175 9	89 36	175 9	
5,550 0	1 08	36 49	5,545 3	2 3	176 3	89 25	176 3	
5,575 0	0 90	48 57	5,570 3	2 6	176 5	89 15	176 6	
5,600 0	0 99	55 41	5,595 3	2 9	176 9	89 07	176 9	
5,625 0	1 13	55 23	5,620 3	3 1	177 3	88 98	177 3	
5,650 0	1 31	46 40	5,645 3	3 5	177 7	88 88	177 7	
5,675 0	1 31	48 68	5,670 3	3 9	178 1	88 75	178 1	
5,700 0	1 22	36 96	5,695 2	4 3	178 5	88 63	178 5	
5,725 0	1 30	51 21	5,720 2	4 7	178 8	88 51	178 9	
5,750 0	1 46	43 47	5,745 2	5 1	179 3	88 38	179 3	
5,775 0	1 20	46 10	5,770 2	5 5	179 7	88 25	179 8	
5,800 0	1 56	45 35	5,795 2	5 9	180 1	88 12	180 2	
5,825 0	1 51	44 18	5,820 2	6 4	180 6	87 98	180 7	
5,850 0	1 75	41 74	5,845 2	6 9	181 1	87 82	181 2	
5,875 0	1 58	36 94	5,870 2	7 5	181 5	87 65	181 7	
5,900 0	1 42	47 14	5,895 2	7 9	182 0	87 50	182 1	
5,925 0	1 74	42 33	5,920 2	8 4	182 4	87 35	182 6	
5,950 0	1 43	39 49	5,945 2	9 0	182 9	87 20	183 1	
5,975 0	1 42	39 73	5,970 2	9 4	183 3	87 05	183 5	
6,000 0	1 75	48 33	5,995 1	9 9	183 8	86 91	184 1	
6,025 0	1 76	47 60	6,020 1	10 4	184 4	86 76	184 6	
6,050 0	1 74	36 81	6,045 1	11 0	184 9	86 59	185 2	
6,075 0	1 59	47 37	6,070 1	11 5	185 3	86 44	185 7	
6,100 0	1 65	40 33	6,095 1	12 1	185 8	86 29	186 2	
6,125 0	1 54	45 94	6,120 1	12 6	186 3	86 14	186 7	
6,150 0	1 62	38 39	6,145 1	13 1	186 8	86 00	187 2	
6,175 0	1 46	47 41	6,170 1	13 6	187 2	85 86	187 7	
6,200 0	1 30	75 45	6,195 1	13 9	187 7	85 78	188 2	
6,225 0	1 34	99 80	6,220 1	13 9	188 3	85 79	188 8	
6,250 0	1 44	88 37	6,245 1	13 8	188 9	85 81	189 4	
6,275 0	1 22	91 02	6,270 0	13 8	189 5	85 82	190 0	
6,300 0	1 43	105 68	6,295 0	13 7	190 0	85 86	190 5	
6,325 0	1 34	92 32	6,320 0	13 7	190 6	85 90	191 1	
6,350 0	1 51	100 81	6,345 0	13 6	191 3	85 94	191 7	
6,375 0	1 54	99 38	6,370 0	13 5	191 9	85 99	192 4	
6,400 0	1 43	95 74	6,395 0	13 4	192 5	86 03	193 0	
6,425 0	1 15	102 51	6,420 0	13 3	193 1	86 06	193 6	
6,450 0	1 44	109 07	6,445 0	13 1	193 6	86 12	194 1	
6,475 0	1 21	95 79	6,470 0	13 0	194 2	86 17	194 6	

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Trionyx "6" Federal #3H
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
6,500 0	1 52	104 00	6,495 0	12 9	194 8	86 21	195 2	
6,525 0	1 41	96 96	6,520 0	12 8	195 4	86 26	195 8	
6,550 0	1 43	104 60	6,545 0	12 7	196 0	86 30	196 4	
6,575 0	1 36	112 43	6,570 0	12 5	196 6	86 37	197 0	
6,600 0	1 28	112 70	6,595 0	12 3	197 1	86 44	197 5	
6,625 0	1 52	109 35	6,619 9	12 0	197 7	86 52	198 1	
6,650 0	1 38	111 72	6,644 9	11 8	198 3	86 59	198 6	
6,675 0	1 29	105 64	6,669 9	11 6	198 8	86 65	199 2	
6,700 0	1 49	103 91	6,694 9	11 5	199 4	86 71	199 8	
6,725 0	1 48	109 01	6,719 9	11 3	200 1	86 77	200 4	
6,750 0	1 28	114 95	6,744 9	11 1	200 6	86 84	200 9	
6,775 0	1 34	104 96	6,769 9	10 9	201 1	86 91	201 4	
6,800 0	1 48	105 28	6,794 9	10 7	201 7	86 96	202 0	
6,825 0	1 40	118 71	6,819 9	10 5	202 3	87 04	202 6	
6,850 0	1 28	121 43	6,844 9	10 2	202 8	87 12	203 1	
6,875 0	1 33	112 89	6,869 9	9 9	203 3	87 20	203 6	
6,900 0	1 50	121 48	6,894 9	9 6	203 9	87 29	204 1	
6,925 0	1 37	113 52	6,919 9	9 4	204 4	87 38	204 6	
6,950 0	1 07	124 71	6,944 8	9 1	204 9	87 46	205 1	
6,975 0	1 45	126 25	6,969 8	8 8	205 3	87 55	205 5	
7,000 0	1 21	116 30	6,994 8	8 5	205 8	87 64	206 0	
7,025 0	1 25	131 40	7,019 8	8 2	206 3	87 73	206 4	
7,050 0	1 45	125 27	7,044 8	7 8	206 7	87 83	206 9	
7,075 0	1 50	125 16	7,069 8	7 4	207 3	87 94	207 4	
7,100 0	1 54	122 62	7,094 8	7 1	207 8	88 05	207 9	
7,125 0	1 45	117 79	7,119 8	6 7	208 4	88 14	208 5	
7,150 0	1 26	113 03	7,144 8	6 5	208 9	88 22	209 0	
7,175 0	1 19	121 20	7,169 8	6 3	209 4	88 29	209 5	
7,200 0	1 43	126 89	7,194 8	5 9	209 9	88 38	209 9	
7,225 0	1 59	114 83	7,219 8	5 6	210 4	88 48	210 5	
7,250 0	1 74	105 40	7,244 8	5 4	211 1	88 55	211 2	
7,275 0	1 88	102 12	7,269 7	5 2	211 9	88 60	211 9	
7,300 0	1 89	102 43	7,294 7	5 0	212 7	88 66	212 7	
7,325 0	1 95	101 86	7,319 7	4 8	213 5	88 71	213 5	
7,350 0	2 01	99 57	7,344 7	4 7	214 3	88 76	214 4	
7,375 0	1 99	95 40	7,369 7	4 5	215 2	88 79	215 3	
7,400 0	1 95	93 98	7,394 7	4 5	216 1	88 82	216 1	
7,425 0	1 97	93 40	7,419 7	4 4	216 9	88 83	217 0	
7,450 0	1 88	94 03	7,444 6	4 4	217 8	88 85	217 8	
7,475 0	1 82	93 31	7,469 6	4 3	218 6	88 87	218 6	
7,500 0	1 73	95 94	7,494 6	4 2	219 3	88 89	219 4	
7,525 0	1 63	99 08	7,519 6	4 2	220 1	88 92	220 1	
7,550 0	1 84	106 43	7,544 6	4 0	220 8	88 97	220 8	
7,575 0	1 66	101 06	7,569 6	3 8	221 5	89 02	221 6	

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Trionyx "6" Federal #3H
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
7,600.0	1.95	103.35	7,594.6	3.6	222.3	89.06	222.3	
7,625.0	1.75	101.39	7,619.6	3.5	223.1	89.11	223.1	
7,650.0	1.51	112.72	7,644.6	3.3	223.8	89.17	223.8	
7,675.0	1.70	116.75	7,669.5	3.0	224.4	89.24	224.4	
7,700.0	1.84	106.06	7,694.5	2.7	225.1	89.32	225.1	
7,725.0	1.60	109.60	7,719.5	2.5	225.8	89.38	225.8	
7,750.0	1.83	116.78	7,744.5	2.2	226.5	89.45	226.5	
7,775.0	1.79	118.68	7,769.5	1.8	227.2	89.55	227.2	
7,800.0	1.63	111.60	7,794.5	1.5	227.9	89.63	227.9	
7,825.0	1.87	116.34	7,819.5	1.2	228.6	89.71	228.6	
7,850.0	1.49	120.07	7,844.5	0.8	229.2	89.80	229.2	
7,875.0	1.82	123.37	7,869.5	0.4	229.8	89.89	229.8	
7,900.0	1.74	121.78	7,894.4	0.0	230.5	90.00	230.5	
7,925.0	1.63	124.33	7,919.4	-0.4	231.1	90.10	231.1	
7,950.0	1.49	126.78	7,944.4	-0.8	231.7	90.19	231.7	
7,975.0	1.35	132.73	7,969.4	-1.2	232.1	90.29	232.2	
8,000.0	1.31	131.79	7,994.4	-1.6	232.6	90.39	232.6	
8,025.0	1.35	132.25	8,019.4	-2.0	233.0	90.48	233.0	
8,050.0	1.51	140.22	8,044.4	-2.4	233.4	90.59	233.4	
8,075.0	1.30	146.17	8,069.4	-2.9	233.8	90.71	233.8	
8,100.0	1.21	135.18	8,094.4	-3.3	234.1	90.81	234.2	
8,125.0	1.39	149.50	8,119.4	-3.8	234.5	90.92	234.5	
8,150.0	1.46	146.09	8,144.4	-4.3	234.8	91.05	234.9	
8,175.0	1.08	146.71	8,169.4	-4.8	235.1	91.16	235.2	
8,200.0	1.42	159.16	8,194.3	-5.2	235.4	91.27	235.4	
8,225.0	1.44	147.48	8,219.3	-5.8	235.6	91.41	235.7	
8,250.0	1.15	157.00	8,244.3	-6.3	235.9	91.53	236.0	
8,275.0	1.28	155.54	8,269.3	-6.8	236.1	91.64	236.2	
8,300.0	1.02	157.64	8,294.3	-7.2	236.3	91.75	236.4	
8,325.0	1.31	164.52	8,319.3	-7.7	236.5	91.87	236.6	
8,350.0	1.20	163.38	8,344.3	-8.2	236.6	91.99	236.8	
8,375.0	1.22	159.47	8,369.3	-8.7	236.8	92.11	237.0	
8,400.0	0.99	145.94	8,394.3	-9.2	237.0	92.22	237.2	
8,425.0	1.11	120.35	8,419.3	-9.5	237.4	92.28	237.5	
8,450.0	3.68	77.74	8,444.3	-9.4	238.3	92.26	238.5	
8,475.0	7.29	71.26	8,469.2	-8.7	240.6	92.08	240.8	
8,500.0	10.65	68.49	8,493.8	-7.4	244.3	91.73	244.4	
8,525.0	14.06	66.11	8,518.3	-5.3	249.2	91.22	249.3	
8,550.0	16.59	65.21	8,542.4	-2.6	255.2	90.58	255.2	
8,575.0	19.05	64.71	8,566.2	0.7	262.2	89.86	262.2	
8,600.0	21.03	65.18	8,589.7	4.3	269.9	89.09	270.0	
8,625.0	22.61	66.02	8,612.9	8.1	278.4	88.33	278.5	
8,650.0	23.86	66.66	8,635.8	12.1	287.4	87.59	287.7	
8,675.0	24.99	67.60	8,658.6	16.1	296.9	86.90	297.4	

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Trionyx "6" Federal #3H
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
8,700 0	26 49	69 18	8,681 1	20 1	307 0	86 26	307 7	
8,725 0	28 00	70 80	8,703 3	24 0	317 8	85 68	318 7	
8,750 0	29 29	72 36	8,725 3	27 8	329 2	85 18	330 3	
8,775 0	30 46	73 84	8,747 0	31 4	341 1	84 74	342 5	
8,800 0	31 84	75 25	8,768 4	34 8	353 5	84 37	355 3	
8,825 0	33 04	75 90	8,789 5	38 2	366 5	84 05	368 5	
8,850 0	34 00	75 18	8,810 3	41 6	379 9	83 75	382 2	
8,875 0	34 01	71 61	8,831 0	45 6	393 3	83 38	395 9	
8,900 0	33 31	65 31	8,851 8	50 7	406 2	82 88	409 3	
8,925 0	32 21	57 16	8,872 9	57 2	418 0	82 21	421 9	
8,950 0	31 86	49 75	8,894 1	65 1	428 6	81 37	433 6	
8,975 0	32 19	45 13	8,915 3	74 0	438 4	80 42	444 6	
9,000 0	32 97	43 96	8,936 3	83 6	447 8	79 42	455 6	
9,025 0	34 52	43 69	8,957 1	93 6	457 5	78 43	466 9	
9,050 0	36 41	43 18	8,977 5	104 2	467 4	77 44	478 9	
9,075 0	38 69	42 80	8,997 3	115 3	477 8	76 43	491 5	
9,100 0	41 15	42 35	9,016 5	127 1	488 7	75 42	504 9	
9,125 0	44 65	41 89	9,034 8	139 8	500 1	74 39	519 2	
9,150 0	47 48	40 89	9,052 1	153 3	512 0	73 33	534 4	
9,175 0	49 40	39 67	9,068 7	167 5	524 1	72 27	550 2	
9,200 0	50 16	38 02	9,084 9	182 4	536 0	71 21	566 2	
9,225 0	50 63	36 06	9,100 8	197 8	547 6	70 14	582 3	
9,250 0	51 53	35 00	9,116 5	213 6	558 9	69 09	598 4	
9,275 0	53 76	34 38	9,131 7	229 9	570 2	68 04	614 9	
9,300 0	56 73	33 78	9,145 9	247 0	581 8	67 00	632 0	
9,325 0	60 59	33 04	9,158 9	264 8	593 5	65 96	649 9	
9,350 0	64 17	32 31	9,170 5	283 4	605 5	64 92	668 5	
9,375 0	67 48	31 22	9,180 8	302 8	617 5	63 88	687 7	
9,400 0	71 06	29 93	9,189 6	322 9	629 4	62 84	707 4	
9,425 0	74 94	28 52	9,196 9	343 8	641 0	61 79	727 4	
9,450 0	78 41	26 69	9,202 7	365 4	652 3	60 75	747 6	
9,475 0	81 11	24 33	9,207 1	387 6	662 9	59 69	767 9	
9,500 0	83 23	20 88	9,210 5	410 4	672 4	58 60	787 8	
9,525 0	84 69	16 87	9,213 2	433 9	680 4	57 47	807 0	
9,550 0	85 79	12 69	9,215 2	458 0	686 8	56 30	825 5	
9,575 0	87 95	9 38	9,216 6	482 5	691 6	55 10	843 3	
9,600 0	90 30	5 85	9,217 0	507 3	694 9	53 87	860 3	
9,625 0	91 08	1 73	9,216 7	532 2	696 5	52 62	876 6	
9,650 0	91 26	358 17	9,216 2	557 2	696 5	51 34	892 0	
9,675 0	90 78	356 61	9,215 7	582 2	695 4	50 06	906 9	
9,700 0	90 48	356 38	9,215 4	607 1	693 8	48 81	922 0	
9,725 0	90 42	357 02	9,215 2	632 1	692 4	47 61	937 5	
9,750 0	89 80	357 67	9,215 2	657 1	691 2	46 45	953 7	
9,775 0	89 49	358 19	9,215 4	682 1	690 3	45 35	970 4	
9,800 0	88 44	358 41	9,215 8	707 0	689 6	44 28	987 6	

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Trionyx "6" Federal #3H
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
9,825 0	89 24	358 53	9,216 3	732 0	688 9	43 26	1,005 2
9,850 0	88 88	358 59	9,216 7	757 0	688 3	42 28	1,023 1
9,875 0	88 84	358 90	9,217 2	782 0	687 8	41 33	1,041 4
9,900 0	89 21	359 13	9,217 6	807 0	687 3	40 42	1,060 0
9,925 0	89 11	359 36	9,218 0	832 0	687 0	39 55	1,079 0
9,950 0	88 88	359 70	9,218 5	857 0	686 8	38 71	1,098 2
9,975 0	88 79	0 07	9,219 0	882 0	686 7	37 91	1,117 8
10,000 0	88 93	359 91	9,219 5	907 0	686 7	37 13	1,137 6
10,025 0	88 60	358 82	9,220 0	932 0	686 5	36 37	1,157 5
10,050 0	88 43	358 25	9,220 6	956 9	685 8	35 63	1,177 3
10,075 0	88 09	358 37	9,221 4	981 9	685 1	34 90	1,197 3
10,100 0	88 07	358 29	9,222 2	1,006 9	684 4	34 20	1,217 5
10,125 0	89 59	357 83	9,222 8	1,031 9	683 5	33 52	1,237 7
10,150 0	90 15	357 45	9,222 8	1,056 9	682 5	32 85	1,258 1
10,175 0	90 26	357 02	9,222 7	1,081 8	681 3	32 20	1,278 5
10,200 0	89 47	356 94	9,222 8	1,106 8	680 0	31 56	1,299 0
10,225 0	89 54	356 92	9,223 0	1,131 8	678 6	30 95	1,319 6
10,250 0	89 38	356 99	9,223 2	1,156 7	677 3	30 35	1,340 4
10,275 0	89 31	357 14	9,223 5	1,181 7	676 0	29 77	1,361 4
10,300 0	89 20	357 31	9,223 8	1,206 7	674 8	29 22	1,382 5
10,325 0	89 09	357 20	9,224 2	1,231 6	673 6	28 68	1,403 8
10,350 0	89 06	357 07	9,224 6	1,256 6	672 4	28 15	1,425 2
10,375 0	89 30	357 24	9,225 0	1,281 6	671 1	27 64	1,446 6
10,400 0	89 88	357 32	9,225 2	1,306 5	669 9	27 15	1,468 3
10,425 0	90 42	357 06	9,225 1	1,331 5	668 7	26 67	1,490 0
10,450 0	90 57	356 78	9,224 9	1,356 5	667 4	26 20	1,511 7
10,475 0	91 11	356 51	9,224 5	1,381 4	665 9	25 74	1,533 5
10,500 0	90 53	356 64	9,224 1	1,406 4	664 4	25 29	1,555 4
10,525 0	90 68	356 62	9,223 9	1,431 3	662 9	24 85	1,577 4
10,550 0	90 46	356 56	9,223 6	1,456 3	661 4	24 43	1,599 5
10,575 0	90 46	356 54	9,223 4	1,481 2	659 9	24 01	1,621 6
10,600 0	90 00	356 47	9,223 3	1,506 2	658 4	23 61	1,643 8
10,625 0	89 90	356 41	9,223 4	1,531 1	656 9	23 22	1,666 1
10,650 0	89 66	356 35	9,223 5	1,556 1	655 3	22 84	1,688 4
10,675 0	89 47	356 18	9,223 6	1,581 0	653 7	22 46	1,710 8
10,700 0	89 40	356 23	9,223 9	1,606 0	652 0	22 10	1,733 3
10,725 0	89 44	356 24	9,224 1	1,630 9	650 4	21 74	1,755 8
10,750 0	89 49	356 35	9,224 4	1,655 9	648 7	21 39	1,778 4
10,775 0	89 22	356 46	9,224 7	1,680 8	647 2	21 06	1,801 1
10,800 0	88 76	356 37	9,225 1	1,705 8	645 6	20 73	1,823 9
10,825 0	88 98	356 38	9,225 6	1,730 7	644 0	20 41	1,846 7
10,850 0	88 74	356 43	9,226 1	1,755 7	642 5	20 10	1,869 5
10,875 0	88 69	356 36	9,226 6	1,780 6	640 9	19 80	1,892 4
10,900 0	88 40	356 48	9,227 3	1,805 5	639 3	19 50	1,915 4

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Trionyx "6" Federal #3H
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
10,925 0	88 51	356 56	9,228 0	1,830 5	637 8	19 21	1,938 4
10,950 0	88 81	356 56	9,228 5	1,855 4	636 3	18 93	1,961 5
10,975 0	89 10	356 83	9,229 0	1,880 4	634 9	18 66	1,984 7
11,000 0	89 20	356 90	9,229 4	1,905 3	633 5	18 39	2,007 9
11,025 0	89 62	356 81	9,229 6	1,930 3	632 1	18 13	2,031 2
11,050 0	90 01	357 18	9,229 7	1,955 3	630 8	17 88	2,054 5
11,075 0	90 95	358 23	9,229 5	1,980 3	629 8	17 64	2,078 0
11,100 0	91 06	358 54	9,229 1	2,005 2	629 1	17 42	2,101 6
11,125 0	91 28	359 08	9,228 5	2,030 2	628 6	17 20	2,125 3
11,150 0	91 40	359 26	9,228 0	2,055 2	628 2	17 00	2,149 1
11,175 0	92 04	359 38	9,227 2	2,080 2	627 9	16 80	2,172 9
11,200 0	92 33	359 98	9,226 3	2,105 2	627 8	16 61	2,196 8
11,225 0	92 21	0 23	9,225 3	2,130 2	627 9	16 42	2,220 8
11,250 0	90 12	0 70	9,224 8	2,155 2	628 1	16 25	2,244 8
11,275 0	90 99	0 62	9,224 5	2,180 2	628 3	16 08	2,268 9
11,300 0	91 55	0 75	9,224 0	2,205 1	628 6	15 91	2,293 0
11,325 0	91 00	0 66	9,223 4	2,230 1	629 0	15 75	2,317 1
11,350 0	88 67	0 56	9,223 5	2,255 1	629 2	15 59	2,341 3
11,375 0	87 56	0 43	9,224 3	2,280 1	629 4	15 43	2,365 4
11,400 0	87 61	0 50	9,225 4	2,305 1	629 6	15 28	2,389 5
11,425 0	87 99	0 52	9,226 3	2,330 1	629 9	15 13	2,413 7
11,450 0	87 53	0 61	9,227 3	2,355 1	630 1	14 98	2,437 9
11,475 0	87 01	0 56	9,228 5	2,380 0	630 4	14 83	2,462 1
11,500 0	86 91	0 53	9,229 8	2,405 0	630 6	14 69	2,486 3
11,525 0	87 75	0 77	9,231 0	2,430 0	630 9	14 55	2,510 5
11,550 0	88 72	1 12	9,231 7	2,454 9	631 3	14 42	2,534 8
11,575 0	89 48	1 21	9,232 1	2,479 9	631 8	14 29	2,559 2
11,600 0	89 11	1 10	9,232 4	2,504 9	632 3	14 17	2,583 5
11,625 0	90 42	1 04	9,232 5	2,529 9	632 8	14 04	2,607 9
11,650 0	91 70	1 27	9,232 1	2,554 9	633 3	13 92	2,632 2
11,675 0	91 83	1 28	9,231 3	2,579 9	633 8	13 80	2,656 6
11,700 0	92 11	1 66	9,230 5	2,604 9	634 5	13 69	2,681 0
11,725 0	92 36	1 64	9,229 5	2,629 8	635 2	13 58	2,705 5
11,750 0	92 54	1 61	9,228 4	2,654 8	635 9	13 47	2,729 9
11,775 0	93 04	1 59	9,227 2	2,679 8	636 6	13 36	2,754 4
11,800 0	91 97	1 67	9,226 1	2,704 7	637 3	13 26	2,778 8
11,825 0	90 86	1 67	9,225 5	2,729 7	638 0	13 16	2,803 3
11,850 0	90 26	1 67	9,225 2	2,754 7	638 8	13 06	2,827 8
11,875 0	90 60	1 58	9,225 1	2,779 7	639 5	12 96	2,852 3
11,900 0	90 74	1 55	9,224 8	2,804 7	640 2	12 86	2,876 8
11,925 0	90 34	1 60	9,224 5	2,829 7	640 8	12 76	2,901 3
11,950 0	90 45	1 51	9,224 4	2,854 7	641 5	12 67	2,925 9
11,975 0	90 46	1 61	9,224 2	2,879 7	642 2	12 57	2,950 4
12,000 0	90 71	1 42	9,223 9	2,904 6	642 9	12 48	2,974 9

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Trionyx "6" Federal #3H
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
12,025 0	90 61	1 69	9,223 6	2,929 6	643 5	12 39	2,999 5	
12,050 0	90 31	1 65	9,223 4	2,954 6	644 3	12 30	3,024 1	
12,075 0	90 43	1 67	9,223 2	2,979 6	645 0	12 21	3,048 6	
12,100 0	89 75	1 57	9,223 2	3,004 6	645 7	12 13	3,073 2	
12,125 0	90 11	1 69	9,223 2	3,029 6	646 4	12 04	3,097 8	
12,150 0	89 80	1 98	9,223 3	3,054 6	647 2	11 96	3,122.4	
12,175 0	90 51	2 09	9,223 2	3,079 6	648 1	11 88	3,147 0	
12,200 0	90 03	2 26	9,223 1	3,104 5	649 0	11 81	3,171 7	
12,225 0	90 15	2 35	9,223 0	3,129 5	650 1	11 73	3,196 3	
12,250 0	90 39	2 13	9,222 9	3,154 5	651 0	11 66	3,221 0	
12,275 0	89 96	1 34	9,222 8	3,179 5	651 8	11 58	3,245 6	
12,300 0	89 25	0 35	9,223 0	3,204 5	652 2	11 50	3,270 2	
12,325 0	89 41	0 01	9,223 3	3,229 5	652 2	11 42	3,294 7	
12,350 0	89 49	0 22	9,223 5	3,254 5	652 3	11 33	3,319 2	
12,375 0	89 61	0 34	9,223 7	3,279 5	652 4	11 25	3,343 8	
12,400 0	89 29	0 37	9,224 0	3,304 5	652 6	11 17	3,368 3	
12,425 0	89 44	0 38	9,224 3	3,329 5	652 7	11 09	3,392 9	
12,450 0	89 77	0 48	9,224 4	3,354 5	652 9	11 01	3,417 4	
12,475 0	89 92	0 54	9,224 5	3,379 5	653 1	10 94	3,442 0	
12,500 0	90 08	0 59	9,224 5	3,404 5	653 4	10 86	3,466 6	
12,525 0	90 09	0 62	9,224 5	3,429 5	653 6	10 79	3,491 2	
12,550 0	89 28	0 32	9,224 6	3,454 5	653 9	10 72	3,515 8	
12,575 0	88 90	359 94	9,225 0	3,479 5	653 9	10 64	3,540 4	
12,600 0	89 14	359 91	9,225 4	3,504 5	653 9	10 57	3,564 9	
12,625 0	89 15	0 16	9,225 8	3,529 5	653.9	10 50	3,589 5	
12,650 0	89 10	0 12	9,226 2	3,554 5	654 0	10 42	3,614 1	
12,675 0	89 01	0 24	9,226 6	3,579 5	654 0	10 35	3,638 7	
12,700 0	89 43	0 36	9,226 9	3,604 5	654 2	10 29	3,663 3	
12,725 0	89 64	0 52	9,227 1	3,629 5	654 4	10 22	3,688 0	
12,750 0	89 89	0 47	9,227 2	3,654.5	654 6	10 15	3,712 6	
12,775 0	89 74	0 54	9,227 3	3,679 5	654 8	10 09	3,737 3	
12,800 0	89 24	0 63	9,227 5	3,704 5	655 0	10 03	3,761 9	
12,825 0	90 08	0 47	9,227 7	3,729 5	655 3	9 97	3,786 6	
12,850 0	90 34	0 34	9,227 6	3,754 4	655 5	9 90	3,811 2	
12,875 0	90 13	0 23	9,227 5	3,779 4	655 6	9 84	3,835 9	
12,900 0	89 92	0 12	9,227 5	3,804 4	655 7	9 78	3,860 5	
12,925 0	89 70	0 01	9,227 6	3,829 4	655 7	9 72	3,885 2	
12,950 0	89 82	359 95	9,227 7	3,854 4	655 7	9 65	3,909 8	
12,975 0	90 02	359 91	9,227 7	3,879 4	655 7	9 59	3,934 5	
13,000 0	90 23	359 86	9,227 7	3,904 4	655 6	9 53	3,959 1	
13,025 0	90 43	359 82	9,227 5	3,929 4	655 5	9 47	3,983 8	
13,050 0	90 53	359 88	9,227 3	3,954 4	655 5	9 41	4,008 4	
13,075 0	90 63	359 94	9,227 0	3,979 4	655 4	9 35	4,033 1	
13,100 0	90 72	0.00	9,226 7	4,004 4	655 4	9 30	4,057 7	

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Trionyx "6" Federal #3H
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Trionyx "6" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0811776	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811776	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
13,125.0	90.68	359.99	9,226.4	4,029.4	655.4	9.24	4,082.4
13,150.0	90.18	359.78	9,226.3	4,054.4	655.4	9.18	4,107.1
13,175.0	89.68	359.57	9,226.3	4,079.4	655.2	9.12	4,131.7
13,200.0	89.18	359.36	9,226.5	4,104.4	655.0	9.07	4,156.4
13,225.0	88.95	359.30	9,226.9	4,129.4	654.7	9.01	4,181.0
13,250.0	89.00	359.40	9,227.4	4,154.4	654.4	8.95	4,205.7
13,275.0	89.06	359.51	9,227.8	4,179.4	654.2	8.90	4,230.3
13,300.0	89.11	359.61	9,228.2	4,204.4	654.0	8.84	4,255.0
13,325.0	89.22	359.73	9,228.6	4,229.4	653.8	8.79	4,279.7
13,350.0	89.36	359.84	9,228.9	4,254.4	653.7	8.74	4,304.3
13,375.0	89.49	359.96	9,229.1	4,279.4	653.7	8.69	4,329.1
13,400.0	89.62	0.08	9,229.3	4,304.4	653.7	8.64	4,353.8
13,425.0	89.26	0.04	9,229.6	4,329.4	653.7	8.59	4,378.5
13,450.0	88.91	0.01	9,230.0	4,354.4	653.7	8.54	4,403.2
13,475.0	88.55	359.97	9,230.5	4,379.4	653.7	8.49	4,427.9
13,500.0	88.40	359.90	9,231.2	4,404.4	653.7	8.44	4,452.6
13,525.0	88.91	359.76	9,231.8	4,429.4	653.6	8.39	4,477.4
13,550.0	89.41	359.61	9,232.1	4,454.4	653.5	8.35	4,502.1
13,575.0	89.92	359.46	9,232.3	4,479.4	653.3	8.30	4,526.8
13,600.0	90.14	359.30	9,232.3	4,504.4	653.0	8.25	4,551.5
13,625.0	90.06	359.12	9,232.2	4,529.4	652.7	8.20	4,576.2
13,650.0	89.97	358.95	9,232.2	4,554.4	652.3	8.15	4,600.8
13,674.0	89.89	358.78	9,232.3	4,578.4	651.8	8.10	4,624.5



Scientific Drilling
Directional Drilling Operations

Project: Wildcat (Lea County, NM)
Lea County, NM
Well: Trionyx "6" Federal #3H
Wellbore: VH - Job #32K0811776
Design: VH - Job #32K0811776



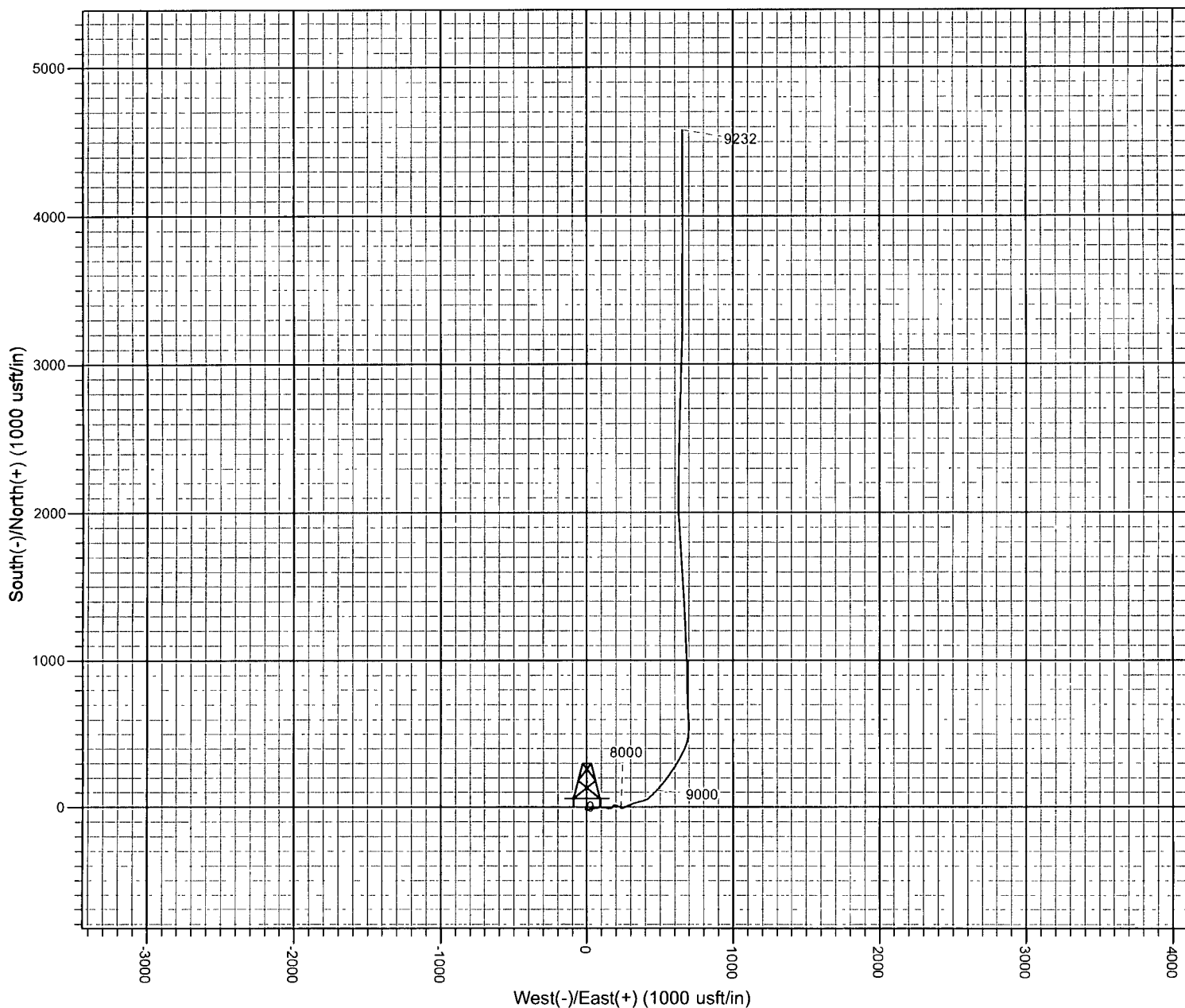
Azimuths to Grid North
True North -0 33°
Magnetic North 7 30°

Magnetic Field
Strength 48565 6snT
Dip Angle 60 09°
Date 8/16/2011
Model IGRF2010

WELL DETAILS. Trionyx "6" Federal #3H
WELL @ 0 0usft (Original Well Elev)

Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	419799.20	689931.09	32° 9' 9.564 N	103° 43' 10.661 W	



PROJECT DETAILS. Wildcat (Lea 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: Lea County, NM
Site Centre Latitude: 32° 9' 9.565 N
Longitude: 103° 43' 11.824 W
Positional Uncertainty: 0.0
Convergence: 0.33
Local North: Grid