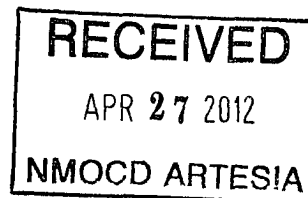


30-015-38533



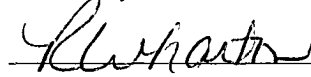
DEVON ENERGY

Paduca South
Eddy County, NM
Cotton Draw Unit #135H
VH - Job #32K0811747

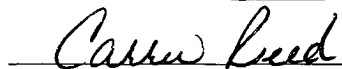
Survey: Actual

SDI Standard Survey Report

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



Notarized this date 27th of September, 2011.



Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Cotton Draw Unit #135H
Project:	Paduca South	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Cotton Draw Unit #135H	North Reference:	Grid
Wellbore:	VH - Job #32K0811747	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811747	Database:	EDM-Regulatory

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

Site	Eddy County, NM		
Site Position:		Northing:	419,864 24 usft
From:	Lat/Long	Easting:	717,841 09 usft
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 9' 10 800 N
		Longitude:	103° 45' 46 800 W
		Grid Convergence:	0 30 °

Well	Cotton Draw Unit #135H, Directional (Weatherford)		
Well Position	+N/-S	0 0 usft	Northing: 419,795 42 usft
	+E/-W	0 0 usft	Easting: 721,224 33 usft
Position Uncertainty	0 0 usft	Wellhead Elevation:	usft
		Latitude:	32° 9' 9 940 N
		Longitude:	103° 45' 7 450 W
		Ground Level:	0 0 usft

Wellbore	VH - Job #32K0811747				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/7/2011	7 65	60 09	48,564

Design	VH - Job #32K0811747			
Audit Notes:				
Version:	1 0	Phase:	ACTUAL	Tie On Depth: 0 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0 0	0 0	0 0	355 33

Survey Program	Date	10/13/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100 0	7,050 0	Actual (VH - Job #32K0811747)	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	0 39	165 23	100 0	-0 3	0 1	165 23	0 3	
200 0	0 68	165 48	200 0	-1 2	0 3	165 35	1 3	
300 0	0 82	154 73	300 0	-2 5	0 8	162 44	2 6	
400 0	1 28	152 60	400 0	-4 1	1 6	158 70	4 4	
500 0	1 87	140 75	499 9	-6 3	3 1	153 66	7 1	
600 0	2 69	138 70	599 9	-9 4	5 7	148 59	11 0	
700 0	2 90	140 50	699 7	-13 1	8 9	145 84	15 8	
800 0	2 97	140 85	799 6	-17 1	12 1	144 58	20 9	
900 0	2 65	135 44	899 5	-20 7	15 4	143 39	25 8	
1,000 0	2 50	128 21	999 4	-23 7	18 7	141 70	30 2	
1,100 0	2 38	123 40	1,099 3	-26 2	22 2	139 76	34 3	

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SDI Standard Survey Report



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Project:	Paduca South	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Cotton Draw Unit #135H	North Reference:	Grid
Wellbore:	VH - Job #32K0811747	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811747	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	2 39	120 35	1,199 2	-28 4	25 7	137 85	38 3
1,300 0	2 44	114 87	1,299 1	-30 3	29 4	135 87	42 3
1,400 0	2 50	110 80	1,399 0	-32 0	33 4	133 78	46 3
1,500 0	2 60	110 37	1,498 9	-33 6	37 6	131 79	50 4
1,600 0	2 51	105 98	1,598 8	-35 0	41 8	129 92	54 5
1,700 0	2 67	100 67	1,698 7	-36 0	46 2	127 93	58 6
1,800 0	2 62	96 89	1,798 6	-36 7	50 7	125 88	62 6
1,900 0	2 69	97 75	1,898 5	-37 3	55 3	123 98	66 7
2,000 0	2 53	96 45	1,998 4	-37 9	59 9	122 31	70 8
2,100 0	2 46	95 13	2,098 3	-38 3	64 2	120 82	74 7
2,200 0	2 40	94 31	2,198 2	-38 6	68 4	119 46	78 6
2,300 0	2 41	95 44	2,298 1	-39 0	72 6	118 25	82 4
2,400 0	2 52	93 98	2,398 0	-39 4	76 9	117 11	86 4
2,500 0	2 42	97 75	2,497 9	-39 8	81 2	116 12	90 4
2,600 0	2 34	100 86	2,597 9	-40 5	85 3	115 39	94 4
2,700 0	2 04	106 67	2,697 8	-41 4	89 0	114 93	98 1
2,800 0	1 73	106 84	2,797 7	-42 3	92 1	114 67	101 4
2,900 0	1 60	117 02	2,897 7	-43 4	94 8	114 59	104 3
3,000 0	1 46	120 27	2,997 7	-44 7	97 2	114 68	106 9
3,100 0	1 35	113 96	3,097 6	-45 8	99 3	114 74	109 4
3,200 0	1 84	89 83	3,197 6	-46 3	102 0	114 39	112 0
3,300 0	2 15	85 01	3,297 5	-46 1	105 5	113 60	115 1
3,400 0	1 39	72 15	3,397 5	-45 5	108 5	112 77	117 7
3,500 0	0 83	60 53	3,497 5	-44 8	110 3	112 11	119 1
3,600 0	0 82	64 77	3,597 4	-44 2	111 6	111 59	120 0
3,700 0	1 56	97 67	3,697 4	-44 0	113 6	111 19	121 8
3,800 0	1 63	99 38	3,797 4	-44 4	116 3	110 91	124 5
3,900 0	1 94	115 29	3,897 3	-45 4	119 3	110 84	127 6
4,000 0	2 68	133 60	3,997 3	-47 7	122 5	111 29	131 5
4,100 0	2 95	141 13	4,097 1	-51 4	125 8	112 21	135 9
4,200 0	2 31	150 93	4,197 0	-55 1	128 4	113 24	139 7
4,300 0	1 92	164 05	4,297 0	-58 5	129 8	114 25	142 4
4,400 0	1 83	164 66	4,396 9	-61 6	130 7	115 25	144 5
4,500 0	1 68	163 55	4,496 9	-64 6	131 5	116 15	146 5
4,600 0	1 62	157 50	4,596 8	-67 3	132 5	116 93	148 6
4,700 0	1 69	153 67	4,696 8	-69 9	133 7	117 61	150 9
4,800 0	1 75	153 65	4,796 7	-72 6	135 0	118 27	153 3
4,900 0	1 66	151 69	4,896 7	-75 3	136 4	118 89	155 8
5,000 0	1 59	146 93	4,996 7	-77 7	137 8	119 41	158 2
5,100 0	1 57	145 65	5,096 6	-80 0	139 4	119 85	160 7
5,200 0	1 40	146 79	5,196 6	-82 1	140 8	120 26	163 0
5,300 0	1 25	146 42	5,296 6	-84 1	142 1	120 61	165 1
5,400 0	1 16	146 57	5,396 5	-85 8	143 2	120 93	167 0
5,500 0	1 20	143 68	5,496 5	-87 5	144 4	121 22	168 9

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Cotton Draw Unit #135H
Project:	Paduca South	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Cotton Draw Unit #135H	North Reference:	Grid
Wellbore:	VH - Job #32K0811747	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0811747	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	1 27	147 75	5,596 5	-89 3	145 6	121 52	170 8
5,700 0	1 26	144 59	5,696 5	-91 1	146 9	121 82	172 8
5,800 0	1 37	143 21	5,796 4	-93 0	148 2	122 10	175 0
5,900 0	1 13	143 06	5,896 4	-94 7	149 5	122 36	177 0
6,000 0	0 86	163 45	5,996 4	-96 2	150 3	122 63	178 5
6,100 0	0 81	157 98	6,096 4	-97 6	150 8	122 91	179 6
6,200 0	0 84	160 58	6,196 4	-99 0	151 3	123 18	180 8
6,300 0	0 93	164 67	6,296 4	-100 4	151 8	123 49	182 0
6,400 0	1 06	172 49	6,396 4	-102 1	152 1	123 88	183 2
6,500 0	1 26	178 33	6,496 3	-104 1	152 3	124 37	184 5
6,600 0	1 18	175 05	6,596 3	-106 3	152 4	124 89	185 8
6,700 0	1 27	178 33	6,696 3	-108 4	152 5	125 41	187 1
6,800 0	1 22	173 33	6,796 3	-110 6	152 7	125 92	188 5
6,900 0	1 20	174 97	6,896 2	-112 7	152 9	126 39	189 9
7,000 0	0 98	189 86	6,996 2	-114 6	152 8	126 86	191 0
7,050 0	1 24	182 75	7,046 2	-115 5	152 7	127 10	191 5



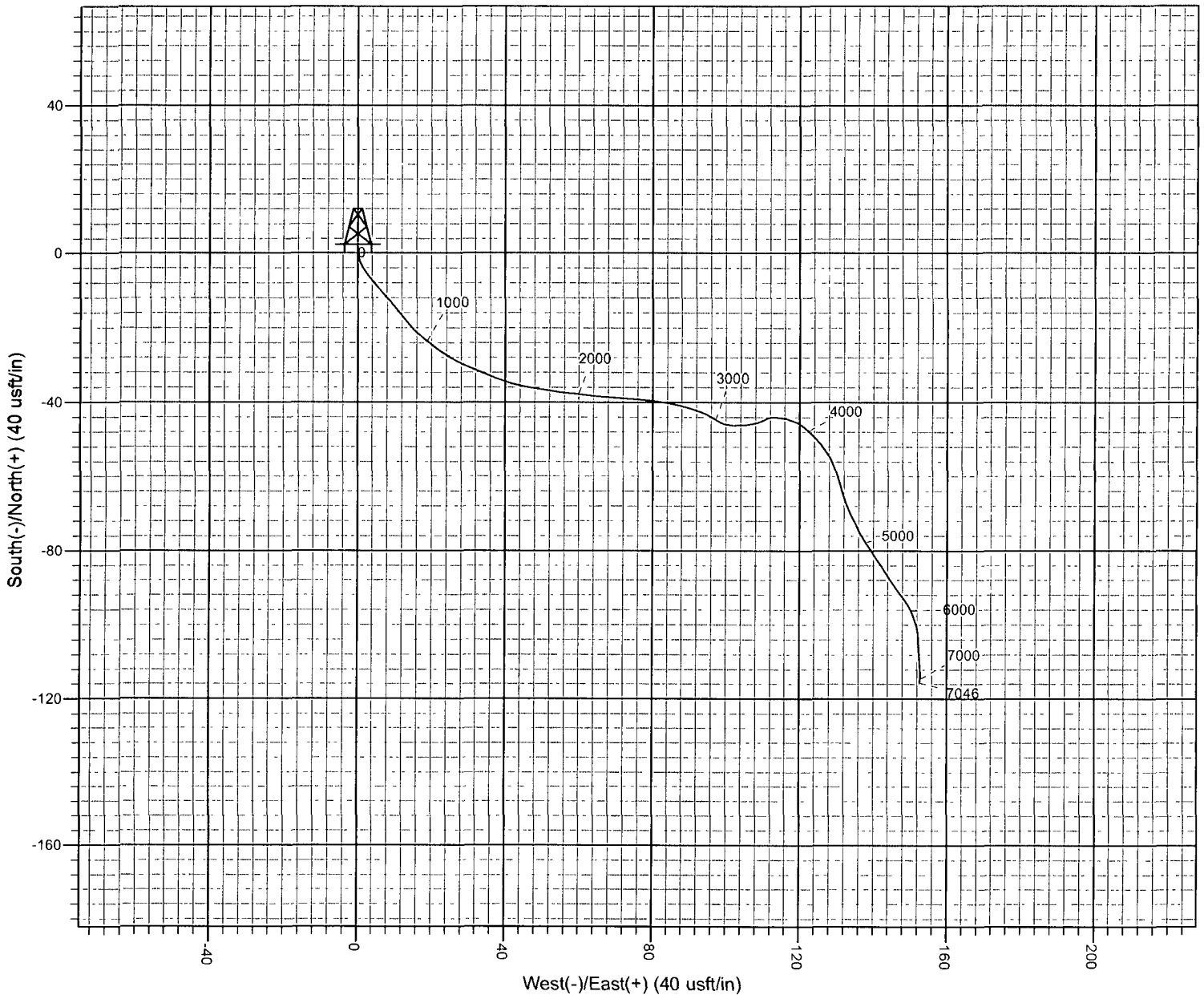
Project: Paduca South
 Eddy County, NM
 Well: Cotton Draw Unit #135H
 Wellbore: VH - Job #32K0811747
 Design: VH - Job #32K0811747



Azimuths to Grid North
 True North: -0 31°
 Magnetic North: 7 34°
 Magnetic Field
 Strength: 48564 5snT
 Dip Angle: 60 09°
 Date: 8/7/2011
 Model: IGRF2010

WELL DETAILS: Cotton Draw Unit #135H
 WELL @ 0.0usft (Original Well Elev)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0 0	419795.42	721224.33	32° 9' 9 940 N	103° 45' 7.450 W	



PROJECT DETAILS: Paduca South
 Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

SITE DETAILS: Eddy County, NM
 Site Centre Latitude: 32° 9' 10 800 N
 Longitude: 103° 45' 46.800 W
 Positional Uncertainty: 0.0
 Convergence: 0.30
 Local North: Grid