

30-015-38403

DEVON ENERGY

Wildcat (Eddy County, NM)

Eddy County, NM

Aldabra "25" Federal #7H

VH - Job #32K0511416

RECEIVED

AUG 4 2011

NMOCD ARTESIA

Survey: Actual

SDI Standard Survey Report

12 May, 2011

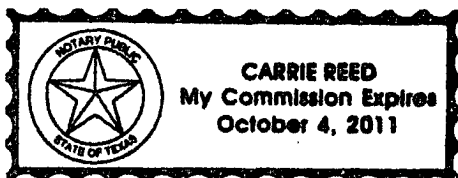
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notarized this date 13th of June, 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 Aldabra "25" Federal #7H
Project:	Wildcat (Eddy County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Aldabra "25" Federal #7H	North Reference:	Grid
Wellbore:	VH - Job #32K0511409	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0511409	Database:	EDM-Regulatory

Project	Wildcat (Eddy 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	Eddy County, NM		
Site Position:		Northing:	387,473 08 usft
From:	Lat/Long	Easting:	676,368 88 usft
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 3' 50 400 N
		Longitude:	103° 45' 50 400 W
		Grid Convergence:	0.30 °

Well	Aldabra "25" Federal #7H, Directional (Unknown)		
Well Position	+N/-S	0 0 usft	Northing: 462,062 38 usft
	+E/-W	0 0 usft	Easting: 687,647 20 usft
Position Uncertainty	0 0 usft	Wellhead Elevation:	usft
		Latitude:	32° 16' 7 922 N
		Longitude:	103° 43' 34 450 W
		Ground Level:	0 0 usft

Wellbore	VH - Job #32K0511409				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/5/2011	7 68	60 20	48,663

Design	VH - Job #32K0511409			
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	239 84

Survey Program	Date	5/12/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100 0	4,460 0	Actual (VH - Job #32K0511409)	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 20	216 29	100 0	-0 1	-0 1	216 29	0 2	
200 0	0 46	273 91	200 0	-0 3	-0 6	247 30	0 7	
300 0	0 47	292 58	300 0	-0 1	-1 4	267 15	1 4	
400 0	0 38	271 31	400 0	0 1	-2 1	272 62	2 1	
500 0	0 49	256 43	500 0	0 0	-2 8	270 06	2 8	
600 0	0 88	255 48	600 0	-0 3	-4 0	265 86	4 0	
700 0	0 95	257 66	700 0	-0 7	-5 6	263 23	5 6	
800 0	1 06	267 30	800 0	-0 9	-7 3	263 12	7 3	
900 0	1 01	251 23	899 9	-1 2	-9 0	262 40	9 1	
1,000 0	1 08	260 99	999 9	-1 6	-10 8	261 38	10 9	
1,100.0	1 17	265 51	1,099 9	-1 9	-12 8	261 68	12 9	

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SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Aldabra "25" Federal #7H
Project:	Wildcat (Eddy County, NM)	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Aldabra "25" Federal #7H	North Reference:	Grid
Wellbore:	VH - Job #32K0511409	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0511409	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	1 30	269 26	1,199 9	-2 0	-14 9	262 51	15 0	
1,300 0	1 25	256 09	1,299 9	-2 2	-17 1	262 55	17 3	
1,400 0	0 94	255 09	1,399 8	-2 7	-19 0	261 86	19 2	
1,500 0	1 06	255 88	1,499 8	-3 1	-20 6	261 33	20 9	
1,600 0	0 68	258 29	1,599 8	-3 5	-22 1	261 03	22 4	
1,700 0	0 56	267 91	1,699 8	-3 6	-23 2	261 10	23 5	
1,800 0	0 53	273 61	1,799 8	-3 6	-24 1	261 47	24 4	
1,900 0	0 74	254 29	1,899 8	-3 8	-25 2	261 51	25 5	
2,000 0	0 69	277 31	1,999 8	-3 9	-26 4	261 69	26 7	
2,100 0	0 43	300 99	2,099 8	-3 6	-27 4	262 52	27 6	
2,200 0	0 61	280 79	2,199 8	-3 3	-28 2	263 32	28 4	
2,300 0	0 50	323 60	2,299 8	-2 9	-29 0	264 38	29 1	
2,400 0	0 59	315 45	2,399 8	-2 1	-29 6	265 88	29 7	
2,500 0	0 54	305 25	2,499 8	-1 5	-30 4	267 18	30 4	
2,600 0	0 43	324 65	2,599 8	-0 9	-31 0	268 31	31 0	
2,700 0	0 73	332 95	2,699 8	0 0	-31 5	269 92	31 5	
2,800 0	0 83	353 42	2,799 7	1 2	-31 8	272 24	31 9	
2,900 0	1 16	319 32	2,899 7	2 7	-32 6	274 79	32 7	
3,000 0	1 22	321 86	2,999 7	4 3	-33 9	277 29	34 2	
3,100 0	1 30	323 41	3,099 7	6 1	-35 2	279 80	35 8	
3,200 0	0 83	311 37	3,199 7	7 5	-36 5	281 59	37 2	
3,300 0	0 68	301 96	3,299 7	8 3	-37 5	282 43	38 4	
3,400 0	0 62	265 08	3,399 7	8 5	-38 5	282 49	39 5	
3,500 0	0 63	240 17	3,499 6	8 2	-39 6	281 73	40 4	
3,600 0	0 72	237 97	3,599 6	7 6	-40 6	280 62	41 3	
3,700 0	0 94	226 22	3,699 6	6 7	-41 7	279 14	42 2	
3,800 0	0 96	152 37	3,799 6	5 4	-41 9	277 34	42 2	
3,900 0	2 16	139 94	3,899 6	3 2	-40 3	274 56	40 4	
4,000 0	2 20	139 21	3,999 5	0 3	-37 8	270 48	37 8	
4,100 0	2 57	136 48	4,099 4	-2 8	-35 0	265 49	35 1	
4,200 0	3 10	138 11	4,199 3	-6 4	-31 7	258 58	32 3	
4,300 0	2 59	133 69	4,299 2	-10 0	-28 2	250 55	30 0	
4,400 0	1 82	140 38	4,399 1	-12 8	-25 6	243 51	28 6	
4,460 0	1 71	143 95	4,459 1	-14 2	-24 5	239 84	28 3	

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Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Aldabra "25" Federal #7H	North Reference:	Grid
Wellbore:	VH - Job #32K0511416	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0511416	Database:	EDM-Regulatory

Project		Wildcat (Eddy 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		Eddy County, NM			
Site Position:		Northing:	387,473 08 usft	Latitude:	32° 3' 50 400 N
From:	Lat/Long	Easting:	676,368 88 usft	Longitude:	103° 45' 50 400 W
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0 30 °

Well	Aldabra "25" Federal #7H, Directional (Unknown)					
Well Position	+N/-S	0 0 usft	Northing:	462,062 38 usft	Latitude:	32° 16' 7 922 N
	+E/-W	0 0 usft	Easting:	687,647 20 usft	Longitude:	103° 43' 34 450 W
Position Uncertainty		0 0 usft	Wellhead Elevation:	usft	Ground Level:	0 0 usft

Wellbore		VH - Job #32K0511416			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/8/2011	7 68	60 20	48,663

Design:	VH - Job #32K0511416				
Audit Notes:					
Version:	1 0	Phase:	ACTUAL	Tie On Depth:	4,460 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0 0	0 0	0 0	173 33	

Survey Program		Date: 5/12/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100 0	4,460 0	Actual (VH - Job #32K0511409)	Keeper	Keeper Gyro
4,500 0	5,805 0	Actual (VH - Job #32K0511416)	Keeper	Keeper Gyro

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
4,460 0	1 71	143 95	4,459 1	-14 2	-24 5	239 84	28 3
4,500 0	1 27	125 65	4,499 1	-15 0	-23 8	237 80	28 1
4,600 0	1 26	134 27	4,599 0	-16 4	-22 1	233 43	27 5
4,700 0	1 33	139 83	4,699.0	-18 0	-20 5	228 72	27 3
4,800 0	1 51	135 14	4,799.0	-19 8	-18 8	223 53	27 4
4,900 0	1 66	136 70	4,898 9	-21 8	-16 9	217 79	27 6
5,000 0	1 72	139 18	4,998 9	-24.0	-15 0	211 90	28 3
5,100 0	1 65	132 43	5,098 9	-26 1	-12 9	206 29	29 1
5,200 0	1 88	133 88	5,198 8	-28 2	-10 7	200 69	30.2
5,300 0	1 77	131 73	5,298 8	-30 4	-8 3	195 32	31 5
5,400 0	1 97	132 56	5,398 7	-32 6	-5 9	190 28	33 1



Scientific Drilling
Directional Drilling Operations

Project: Wildcat (Eddy County, NM)
Eddy County, NM
Well: Aldabra "25" Federal #7H
Wellbore: VH - Job #32K0511416
Design: VH - Job #32K0511416



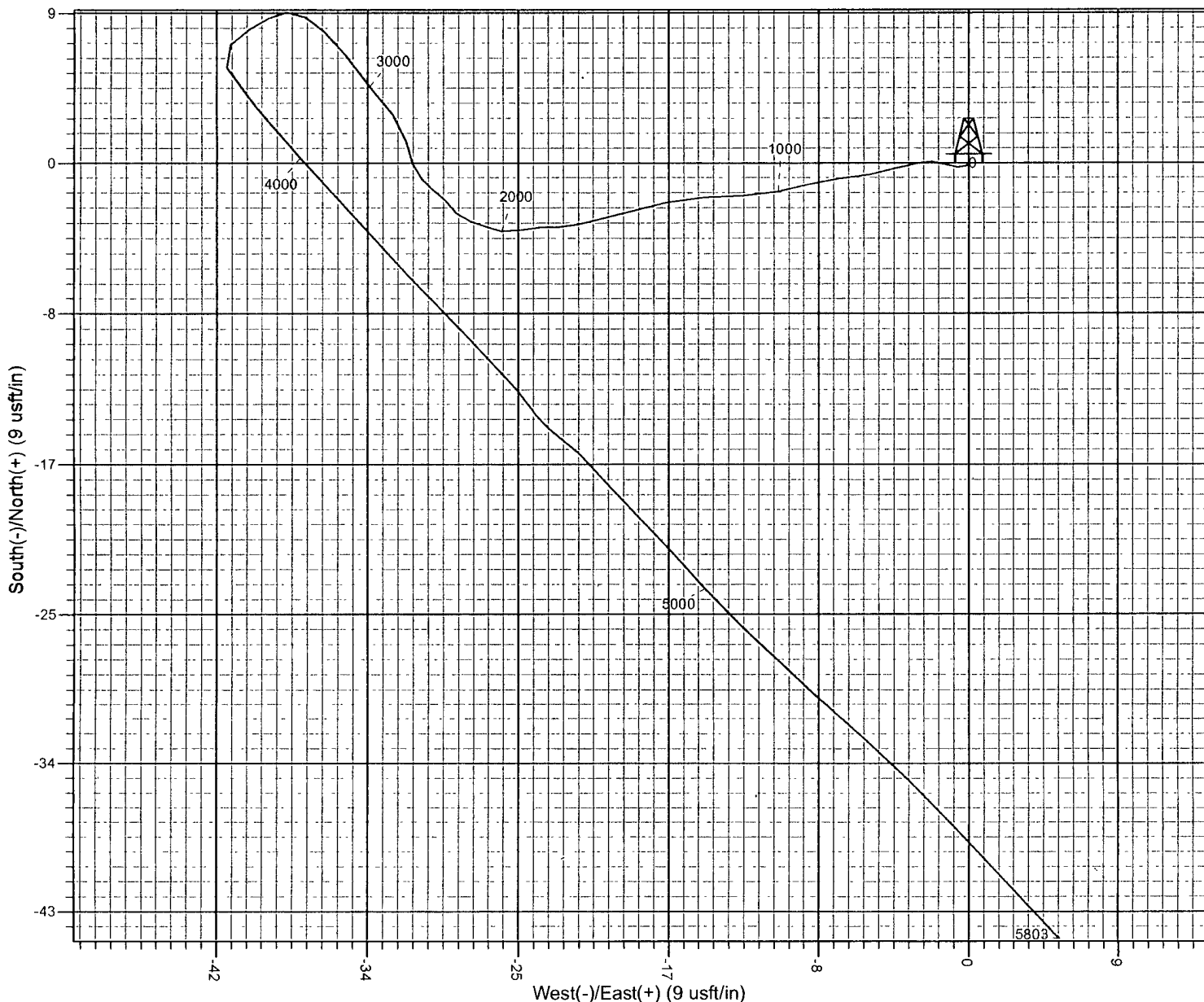
Azimuths to Grid North
True North: -0 32°
Magnetic North: 7 35°

Magnetic Field
Strength: 48662 7nT
Dip Angle: 60 20°
Date: 5/8/2011
Model: IGRF2010

WELL DETAILS: Aldabra "25" Federal #7H
WELL @ 0.0usft (Original Well Elev)

Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	462062.38	687647.20	32° 16' 7.922 N	103° 43' 34.450 W	



PROJECT DETAILS: Wildcat (Eddy 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: Eddy County, NM
Site Centre Latitude: 32° 3' 50.400 N
Longitude: 103° 45' 50.400 W
Positional Uncertainty: 0 0
Convergence: 0 30
Local North: Grid