



An Operating Unit of Smith International, Inc.

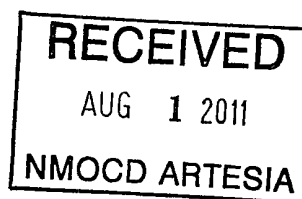
DIRECTIONAL SURVEY REPORT

30-015-38602

DEVON ENERGY

ALDABRA 25 FEDERAL #6H

EDDY COUNTY, NEW MEXICO



PREPARED BY: FRANCISCO SINISTERRA

Pathfinder Energy Services, Inc.
6213 W. Interstate 20 • Midland, TX • 79706
(432) 681-6000

Pathfinder

6213 W Interstate 20
Midland, Texas 79706
Tel 432 687 1647
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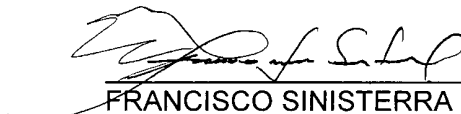
DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) SAM BIFFLE
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 04-11-11 TO 04-23-11
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

DEVON ENERGY
ALDABRA 25 FEDERAL #6H
EDDY COUNTY, NM
RIG: H&P 416

9. SURVEY CERTIFIED FROM: 8263 TO 13992 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE
DISPLACED AT 4785.52 FEET ON A BEARING OF 352.28 DEGREES FROM THE
CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 14052 FEET,
ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



FRANCISCO SINISTERRA
M/LWD SERVICE COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 04/11/2011
Date Completed: 04/23/2011

DEVON ENERGY CORPORATION
ALDABRA 25 FEDERAL #6H
EDDY COUNTY, NEW MEXICO
Rig:H&P 416
PathFinder Office Supervisor: FRANCISCO SINISTERRA
PathFinder Field Engineers:SAM BIFFLE
 ROLDAN DIAZ
 NICK POND

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.16.7.4185 N LON:103.43.34.9113 W
GRID Reference:NAD83 new mexico east Transverse Mercator
Ref GRID Coord: X: 728941.3500 Y: 462026.5800
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.36° EAST TO GRID
Vertical Section Plane: 352.50
Survey Vert. Reference: 25.00' Rotary Table To Ground
Altitude:3535.70' Ground To MSL

Measured Depth	14052.00	(feet)
Inclination	88.55	(deg)
Azimuth	356.64	(deg)
True Vertical Depth	9147.21	(feet)
Vertical Section	4785.49	(feet)
Survey X cord	728298.91	(feet)
Survey Y cord	466768.79	(feet)
Survey Lat	32.28177238 N	(deg)
Survey Lon	103.72835618 W	(deg)
Rectangular Corr. N/S	4742.21 N	(feet)
Rectangular Corr. E/W	642.44 W	(feet)
Closure Distance	4785.52	(feet)
Direction of Closure	352.28	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

DEVON ENERGY CORPORATION

ALDABRA 25 FEDERAL #6H

EDDY COUNTY, NEW MEXICO

Rig:H&P 416

PathFinder Office Supervisor: FRANCISCO SINISTERRA

PathFinder Field Engineers: SAM BIFFLE

RYAN MILLER

ROLDAN DIAZ

NICK POND

Survey Calculations by RX5 V6.03E using Minimum Curvature

Survey Horiz. Reference:WELLHEAD

Ref Coordinates: LAT:32.16.7.4185 N LON:103.43.34.9113 W

GRID Reference:NAD83 new mexico east Transverse Mercator

Ref GRID Coord: X: 728941.3500 Y: 462026.5800

North Aligned To:GRID NORTH

Total Magnetic Correction: 7.36° EAST TO GRID

Vertical Section Plane: 352.50

Survey Vert. Reference: 25.00' Rotary Table To Ground

Altitude:3535.70' Ground To MSL

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL		Closure		DLS
						Rectangular Offsets (ft)	(ft)	Dist (ft)	Dir (deg)	
THE FOLLOWING ARE SCIENTIFIC GYRO SURVEYS.										
0.00	0.00	0.00	-0.00	0.00	-0.03	0.03 S	0.03 E	0.04@	134.52	0.00
100.00	0.46	228.68	99.99	100.00	-0.25	0.29 S	0.27 W	0.40@	222.98	0.46
200.00	0.46	222.93	199.99	100.00	-0.73	0.85 S	0.85 W	1.20@	224.86	0.05
300.00	0.38	216.79	299.99	100.00	-1.23	1.41 S	1.32 W	1.93@	223.08	0.09
400.00	0.28	232.19	399.99	100.00	-1.59	1.83 S	1.71 W	2.50@	223.13	0.13
500.00	0.31	231.62	499.99	100.00	-1.85	2.14 S	2.12 W	3.01@	224.62	0.03
600.00	0.76	255.27	599.98	100.00	-2.07	2.48 S	2.97 W	3.87@	230.13	0.49
700.00	0.76	257.05	699.97	100.00	-2.22	2.80 S	4.26 W	5.10@	236.69	0.02
800.00	0.71	253.86	799.96	100.00	-2.37	3.12 S	5.50 W	6.32@	240.44	0.06
900.00	0.51	243.79	899.96	100.00	-2.61	3.49 S	6.49 W	7.37@	241.76	0.23
1000.00	0.59	237.85	999.95	100.00	-2.97	3.96 S	7.33 W	8.33@	241.63	0.10
1100.00	0.41	223.12	1099.95	100.00	-3.41	4.49 S	8.01 W	9.18@	240.71	0.22
1200.00	0.31	214.08	1199.95	100.00	-3.84	4.98 S	8.41 W	9.77@	239.36	0.12
1300.00	0.38	217.89	1299.95	100.00	-4.27	5.46 S	8.76 W	10.33@	238.05	0.07
1400.00	0.37	208.73	1399.94	100.00	-4.77	6.01 S	9.12 W	10.92@	236.62	0.06
1500.00	0.44	220.36	1499.94	100.00	-5.29	6.59 S	9.52 W	11.58@	235.34	0.11
1600.00	0.48	225.92	1599.94	100.00	-5.79	7.17 S	10.07 W	12.36@	234.56	0.06
1700.00	0.51	228.25	1699.93	100.00	-6.29	7.76 S	10.71 W	13.22@	234.08	0.04
1800.00	0.46	231.40	1799.93	100.00	-6.75	8.30 S	11.35 W	14.07@	233.81	0.06
1900.00	0.18	238.16	1899.93	100.00	-7.02	8.64 S	11.80 W	14.62@	233.80	0.28
2000.00	0.04	199.37	1999.93	100.00	-7.12	8.75 S	11.94 W	14.81@	233.77	0.15
2100.00	0.12	162.42	2099.93	100.00	-7.25	8.89 S	11.92 W	14.87@	233.31	0.09
2200.00	0.09	166.93	2199.93	100.00	-7.43	9.06 S	11.87 W	14.94@	232.65	0.03
2300.00	0.20	347.48	2299.93	100.00	-7.34	8.97 S	11.89 W	14.90@	232.99	0.29

PathFinder Energy Services, Inc.

Survey Report

DEVON ENERGY CORPORATION
ALDABRA 25 FEDERAL #6H
EDDY COUNTY, NEW MEXICO
RIG:H&P 416

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
2400.00	0.33	6.96	2399.93	100.00	-6.89	8.51 S	11.90 W	14.63@	234.42	0.16
2500.00	0.51	358.58	2499.92	100.00	-6.16	7.78 S	11.87 W	14.20@	236.76	0.19
2600.00	0.78	350.81	2599.92	100.00	-5.04	6.66 S	11.99 W	13.72@	240.94	0.28
2700.00	0.80	50.39	2699.91	100.00	-3.99	5.55 S	11.56 W	12.83@	244.37	0.79
2800.00	1.05	44.49	2799.90	100.00	-3.06	4.45 S	10.38 W	11.30@	246.81	0.27
2900.00	0.90	49.64	2899.88	100.00	-2.06	3.29 S	9.14 W	9.72@	250.23	0.17
3000.00	0.89	47.40	2999.87	100.00	-1.19	2.25 S	7.97 W	8.29@	254.23	0.04
3100.00	0.90	46.60	3099.86	100.00	-0.28	1.19 S	6.83 W	6.93@	260.15	0.02
3200.00	0.87	49.61	3199.85	100.00	0.59	0.16 S	5.68 W	5.69@	268.44	0.06
3300.00	0.52	65.51	3299.84	100.00	1.13	0.52 N	4.69 W	4.72@	276.38	0.40
3400.00	0.06	120.92	3399.84	100.00	1.23	0.69 N	4.23 W	4.29@	279.20	0.49
3500.00	0.15	135.00	3499.84	100.00	1.10	0.57 N	4.10 W	4.14@	277.87	0.09
3600.00	0.38	148.01	3599.84	100.00	0.69	0.19 N	3.83 W	3.83@	272.88	0.24
3700.00	0.55	148.85	3699.83	100.00	-0.05	0.50 S	3.40 W	3.44@	261.66	0.17
3800.00	1.60	118.68	3799.81	100.00	-1.31	1.58 S	1.93 W	2.50@	230.71	1.16
3900.00	2.54	125.19	3899.75	100.00	-3.64	3.53 S	1.10 E	3.70@	162.61	0.97
4000.00	2.67	127.80	3999.65	100.00	-6.80	6.23 S	4.76 E	7.84@	142.65	0.18
4100.00	3.73	132.20	4099.49	100.00	-10.94	9.84 S	9.01 E	13.34@	137.55	1.09
4200.00	4.47	137.53	4199.23	100.00	-16.61	14.90 S	14.05 E	20.48@	136.69	0.83
4300.00	4.48	135.89	4298.93	100.00	-22.94	20.58 S	19.40 E	28.28@	136.70	0.13
4400.00	3.60	132.92	4398.68	100.00	-28.49	25.52 S	24.41 E	35.32@	136.27	0.90
4500.00	2.90	132.08	4498.52	100.00	-32.84	29.36 S	28.59 E	40.98@	135.76	0.70
4600.00	2.41	132.07	4598.41	100.00	-36.36	32.46 S	32.03 E	45.60@	135.38	0.49
4700.00	2.20	133.17	4698.33	100.00	-39.45	35.18 S	34.99 E	49.62@	135.16	0.21
4800.00	1.96	131.53	4798.26	100.00	-42.23	37.63 S	37.67 E	53.25@	134.97	0.25
4900.00	1.88	131.38	4898.21	100.00	-44.75	39.85 S	40.18 E	56.59@	134.76	0.08
5000.00	1.57	128.57	4998.16	100.00	-46.97	41.79 S	42.48 E	59.59@	134.53	0.32
5100.00	1.58	129.72	5098.12	100.00	-48.97	43.52 S	44.61 E	62.33@	134.29	0.03
5200.00	1.53	130.85	5198.09	100.00	-50.98	45.28 S	46.68 E	65.03@	134.12	0.06
5300.00	1.39	129.75	5298.05	100.00	-52.87	46.93 S	48.63 E	67.58@	133.98	0.14

PathFinder Energy Services, Inc.

Survey Report

DEVON ENERGY CORPORATION
ALDABRA 25 FEDERAL #6H
EDDY COUNTY, NEW MEXICO
RIG:H&P 416

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
5400.00	1.30	134.31	5398.03	100.00	-54.65	48.49 S	50.37 E	69.92@	133.91	0.14
5500.00	1.21	133.98	5498.00	100.00	-56.37	50.02 S	51.94 E	72.11@	133.92	0.09
5600.00	1.09	135.66	5597.98	100.00	-57.96	51.43 S	53.37 E	74.12@	133.94	0.12
5700.00	0.96	133.27	5697.97	100.00	-59.37	52.69 S	54.64 E	75.91@	133.96	0.14
5800.00	0.93	132.80	5797.95	100.00	-60.64	53.81 S	55.85 E	77.55@	133.94	0.03
5900.00	0.90	132.73	5897.94	100.00	-61.87	54.90 S	57.02 E	79.15@	133.91	0.03
6000.00	0.82	123.16	5997.93	100.00	-62.94	55.82 S	58.20 E	80.64@	133.81	0.16
6100.00	0.91	123.46	6097.92	100.00	-63.93	56.65 S	59.46 E	82.12@	133.62	0.09
6200.00	0.60	163.13	6197.91	100.00	-64.96	57.59 S	60.27 E	83.36@	133.70	0.59
6300.00	0.81	200.33	6297.90	100.00	-66.11	58.75 S	60.18 E	84.10@	134.31	0.49
6400.00	0.82	190.64	6397.89	100.00	-67.41	60.12 S	59.80 E	84.80@	135.15	0.14
6500.00	0.98	197.51	6497.88	100.00	-68.87	61.64 S	59.41 E	85.61@	136.05	0.19
6600.00	0.85	203.05	6597.87	100.00	-70.28	63.14 S	58.86 E	86.32@	137.01	0.16
6700.00	1.00	197.99	6697.85	100.00	-71.71	64.65 S	58.30 E	87.06@	137.95	0.17
6800.00	0.88	210.14	6797.84	100.00	-73.10	66.14 S	57.65 E	87.74@	138.93	0.23
6900.00	0.88	202.17	6897.83	100.00	-74.38	67.52 S	56.97 E	88.34@	139.84	0.12
7000.00	1.27	210.26	6997.81	100.00	-75.92	69.19 S	56.12 E	89.09@	140.95	0.42
7100.00	1.51	210.20	7097.78	100.00	-77.84	71.28 S	54.90 E	89.97@	142.40	0.24
7200.00	2.81	207.99	7197.71	100.00	-80.88	74.59 S	53.09 E	91.55@	144.56	1.30
7300.00	1.81	208.87	7297.62	100.00	-84.14	78.13 S	51.18 E	93.40@	146.78	1.00
7400.00	1.60	206.99	7397.58	100.00	-86.57	80.76 S	49.78 E	94.87@	148.35	0.22
7500.00	1.62	199.44	7497.54	100.00	-88.98	83.34 S	48.68 E	96.51@	149.71	0.21
7600.00	1.58	191.24	7597.50	100.00	-91.54	86.02 S	47.94 E	98.48@	150.87	0.23
7700.00	1.31	187.17	7697.47	100.00	-93.95	88.51 S	47.53 E	100.46@	151.77	0.29
7800.00	1.49	179.75	7797.44	100.00	-96.35	90.94 S	47.39 E	102.55@	152.48	0.25
7900.00	1.34	177.10	7897.41	100.00	-98.81	93.41 S	47.45 E	104.77@	153.07	0.16
8000.00	1.01	164.11	7997.39	100.00	-100.84	95.43 S	47.75 E	106.71@	153.41	0.42
8100.00	1.30	174.88	8097.37	100.00	-102.85	97.40 S	48.10 E	108.63@	153.72	0.36
8200.00	1.55	179.66	8197.34	100.00	-105.32	99.89 S	48.21 E	110.91@	154.24	0.28
** TIED INTO SCIENTIFIC GYRO @8263'MD.										
8263.00	1.15	190.15	8260.32	63.00	-106.77	101.36 S	48.10 E	112.19@	154.61	0.74

PathFinder Energy Services, Inc.

Survey Report

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ALDABRA 25 FEDERAL #6H
EDDY COUNTY, NEW MEXICO
RIG:H&P 416

Page 04/07

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL		Closure		DLS
						Rectangular Offsets (ft)	(ft)	Dist (ft)	Dir (deg)	
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
8328.00	3.61	261.10	8325.27	65.00	-107.44	102.32 S	45.96 E	112.17@	155.81	5.25
8360.00	7.83	266.04	8357.10	32.00	-107.33	102.63 S	42.79 E	111.19@	157.37	13.27
8391.00	12.13	269.51	8387.63	31.00	-106.80	102.80 S	37.43 E	109.40@	160.00	14.00
8423.00	14.86	270.31	8418.74	32.00	-105.84	102.81 S	29.96 E	107.08@	163.75	8.55
8455.00	16.44	270.99	8449.55	32.00	-104.61	102.71 S	21.33 E	104.90@	168.27	4.97
8486.00	17.76	271.41	8479.18	31.00	-103.23	102.51 S	12.21 E	103.24@	173.21	4.28
8518.00	19.70	272.61	8509.48	32.00	-101.53	102.15 S	1.95 E	102.17@	178.91	6.18
8549.00	21.54	272.88	8538.50	31.00	-99.58	101.62 S	8.96 W	102.02@	185.04	5.94
8581.00	23.39	271.70	8568.07	32.00	-97.51	101.14 S	21.17 W	103.33@	191.82	5.95
8612.00	25.06	269.37	8596.34	31.00	-95.74	101.03 S	33.89 W	106.56@	198.54	6.21
8644.00	27.26	268.26	8625.06	32.00	-94.20	101.33 S	48.00 W	112.12@	205.35	7.04
8676.00	29.11	268.67	8653.26	32.00	-92.62	101.73 S	63.10 W	119.71@	211.81	5.81
8707.00	31.74	269.15	8679.99	31.00	-90.87	102.03 S	78.80 W	128.91@	217.68	8.52
8739.00	33.68	270.07	8706.92	32.00	-88.72	102.14 S	96.09 W	140.23@	223.25	6.26
8770.00	35.35	271.40	8732.46	31.00	-86.20	101.91 S	113.65 W	152.65@	228.12	5.91
8801.00	36.84	272.59	8757.51	31.00	-83.19	101.27 S	131.90 W	166.29@	232.48	5.31
8832.00	38.16	275.60	8782.10	31.00	-79.39	99.92 S	150.72 W	180.83@	236.46	7.28
8864.00	39.66	278.53	8807.00	32.00	-74.33	97.44 S	170.66 W	196.52@	240.28	7.42
8896.00	41.86	281.43	8831.24	32.00	-68.04	93.81 S	191.23 W	213.00@	243.87	9.07
8927.00	44.58	283.55	8853.83	31.00	-60.78	89.21 S	211.95 W	229.95@	247.17	9.95
8959.00	48.10	284.11	8875.92	32.00	-52.36	83.67 S	234.42 W	248.91@	250.36	11.07
8990.00	52.14	285.41	8895.80	31.00	-43.34	77.60 S	257.42 W	268.86@	253.22	13.42
9022.00	54.69	287.17	8914.87	32.00	-32.97	70.39 S	282.08 W	290.73@	255.99	9.11
9053.00	56.63	288.34	8932.35	31.00	-22.05	62.58 S	306.45 W	312.78@	258.46	6.99
9085.00	57.51	291.10	8949.75	32.00	-9.76	53.52 S	331.73 W	336.02@	260.84	7.74
9116.00	58.92	293.50	8966.08	31.00	3.34	43.52 S	356.10 W	358.75@	263.03	8.00
9148.00	60.50	295.61	8982.22	32.00	18.00	32.03 S	381.23 W	382.58@	265.20	7.54
9179.00	63.05	298.78	8996.89	31.00	33.55	19.54 S	405.52 W	405.99@	267.24	12.20
9211.00	64.54	302.15	9011.02	32.00	51.22	4.99 S	430.26 W	430.28@	269.34	10.53

PathFinder Energy Services, Inc.

Survey Report

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RIG:H&P 416

Page 05/07

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
9242.00	65.69	305.99	9024.07	31.00	69.88	10.77 N	453.54 W	453.67@	271.36	11.83
9274.00	66.13	310.64	9037.14	32.00	90.82	28.87 N	476.45 W	477.33@	273.47	13.34
9305.00	66.83	314.65	9049.51	31.00	112.63	48.13 N	497.35 W	499.68@	275.53	12.07
9337.00	67.36	318.40	9061.97	32.00	136.48	69.51 N	517.63 W	522.27@	277.65	10.92
9368.00	69.82	321.93	9073.29	31.00	160.87	91.68 N	536.11 W	543.89@	279.70	13.24
9400.00	71.58	325.20	9083.87	32.00	187.29	115.97 N	554.03 W	566.04@	281.82	11.10
9431.00	74.22	328.15	9092.98	31.00	213.96	140.73 N	570.30 W	587.41@	283.86	12.46
9463.00	76.06	331.93	9101.19	32.00	242.54	167.52 N	585.74 W	609.23@	285.96	12.78
9495.00	77.38	335.94	9108.54	32.00	272.06	195.49 N	599.42 W	630.49@	288.06	12.87
9526.00	78.70	339.70	9114.97	31.00	301.39	223.57 N	610.87 W	650.49@	290.10	12.61
9558.00	80.64	343.62	9120.71	32.00	332.30	253.44 N	620.77 W	670.51@	292.21	13.49
9589.00	82.92	346.92	9125.14	31.00	362.73	283.11 N	628.56 W	689.38@	294.25	12.85
9621.00	84.68	350.76	9128.60	32.00	394.47	314.31 N	634.72 W	708.28@	296.34	13.14
9658.00	86.09	355.45	9131.58	37.00	431.34	350.92 N	639.14 W	729.14@	298.77	13.20
9684.00	86.88	358.04	9133.17	26.00	457.22	376.82 N	640.62 W	743.23@	300.46	10.40
9715.00	86.70	0.99	9134.91	31.00	487.93	407.77 N	640.88 W	759.61@	302.47	9.52
9746.00	86.79	1.88	9136.67	31.00	518.52	438.71 N	640.16 W	776.06@	304.42	2.24
9781.00	87.49	2.09	9138.42	35.00	553.00	473.65 N	639.01 W	795.41@	306.55	2.32
9812.00	88.99	2.97	9139.37	31.00	583.51	504.60 N	637.64 W	813.15@	308.36	5.61
9907.00	89.16	2.97	9140.90	95.00	676.92	599.46 N	632.72 W	871.60@	313.45	0.18
10001.00	89.34	3.14	9142.13	94.00	769.32	693.32 N	627.71 W	935.26@	317.84	0.26
10096.00	91.10	2.79	9141.77	95.00	862.74	788.19 N	622.79 W	1004.55@	321.69	1.89
10191.00	91.36	2.26	9139.73	95.00	956.27	883.08 N	618.61 W	1078.19@	324.99	0.62
10285.00	91.01	2.70	9137.78	94.00	1048.82	976.97 N	614.54 W	1154.18@	327.83	0.60
10380.00	90.84	2.88	9136.25	95.00	1142.28	1071.84 N	609.92 W	1233.23@	330.36	0.26
10474.00	88.55	1.74	9136.75	94.00	1234.90	1165.76 N	606.13 W	1313.92@	332.53	2.72
10569.00	89.78	2.00	9138.14	95.00	1328.62	1260.69 N	603.03 W	1397.50@	334.44	1.32
10664.00	90.22	2.44	9138.14	95.00	1422.26	1355.62 N	599.35 W	1482.21@	336.15	0.65
10758.00	89.52	2.12	9138.35	94.00	1514.89	1449.55 N	595.61 W	1567.14@	337.66	0.82
10853.00	89.25	1.73	9139.37	95.00	1608.60	1544.49 N	592.42 W	1654.21@	339.01	0.50

PathFinder Energy Services, Inc.

Survey Report

DEVON ENERGY CORPORATION
ALDABRA 25 FEDERAL #6H
EDDY COUNTY, NEW MEXICO
RIG:H&P 416

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
10947.00	88.90	1.43	9140.89	94.00	1701.41	1638.44 N	589.83 W	1741.37@	340.20	0.49
11042.00	89.16	1.27	9142.49	95.00	1795.27	1733.40 N	587.59 W	1830.28@	341.27	0.32
11137.00	89.25	0.48	9143.81	95.00	1889.24	1828.38 N	586.14 W	1920.03@	342.23	0.84
11231.00	89.08	0.39	9145.18	94.00	1982.33	1922.37 N	585.43 W	2009.53@	343.06	0.20
11326.00	90.84	359.25	9145.25	95.00	2076.55	2017.36 N	585.73 W	2100.67@	343.81	2.21
11420.00	91.28	359.57	9143.51	94.00	2169.85	2111.34 N	586.69 W	2191.34@	344.47	0.58
11515.00	91.01	358.79	9141.61	95.00	2264.19	2206.31 N	588.05 W	2283.33@	345.08	0.87
11609.00	91.89	359.10	9139.23	94.00	2357.56	2300.26 N	589.78 W	2374.67@	345.62	0.99
11704.00	89.08	358.58	9138.43	95.00	2451.97	2395.23 N	591.71 W	2467.23@	346.12	3.01
11798.00	89.34	358.63	9139.72	94.00	2545.43	2489.19 N	593.99 W	2559.08@	346.58	0.28
11893.00	90.66	358.74	9139.72	95.00	2639.87	2584.16 N	596.17 W	2652.04@	347.01	1.39
11988.00	90.57	358.83	9138.71	95.00	2734.30	2679.14 N	598.19 W	2745.11@	347.41	0.13
12082.00	90.84	358.80	9137.55	94.00	2827.72	2773.11 N	600.13 W	2837.31@	347.79	0.29
12177.00	90.84	358.91	9136.16	95.00	2922.13	2868.08 N	602.03 W	2930.59@	348.15	0.12
12271.00	91.89	0.15	9133.92	94.00	3015.39	2962.05 N	602.80 W	3022.76@	348.50	1.73
12366.00	90.13	359.71	9132.24	95.00	3109.57	3057.03 N	602.92 W	3115.92@	348.84	1.91
12460.00	90.22	359.80	9131.96	94.00	3202.82	3151.03 N	603.32 W	3208.27@	349.16	0.14
12555.00	89.78	359.54	9131.96	95.00	3297.08	3246.03 N	603.87 W	3301.72@	349.46	0.54
12649.00	89.69	359.63	9132.39	94.00	3390.36	3340.02 N	604.55 W	3394.29@	349.74	0.14
12744.00	89.52	359.63	9133.04	95.00	3484.62	3435.02 N	605.16 W	3487.92@	350.01	0.18
12839.00	89.60	359.71	9133.77	95.00	3578.88	3530.01 N	605.71 W	3581.60@	350.26	0.12
12934.00	89.25	359.45	9134.73	95.00	3673.15	3625.01 N	606.40 W	3675.38@	350.50	0.46
13028.00	89.60	359.19	9135.67	94.00	3766.48	3719.00 N	607.52 W	3768.29@	350.72	0.46
13123.00	89.69	359.01	9136.26	95.00	3860.84	3813.98 N	609.01 W	3862.30@	350.93	0.21
13218.00	89.52	359.01	9136.92	95.00	3955.23	3908.97 N	610.65 W	3956.38@	351.12	0.18
13312.00	89.25	358.66	9137.92	94.00	4048.65	4002.94 N	612.56 W	4049.54@	351.30	0.47
13407.00	90.13	358.57	9138.44	95.00	4143.11	4097.91 N	614.86 W	4143.78@	351.47	0.93
13502.00	89.87	358.22	9138.44	95.00	4237.60	4192.87 N	617.52 W	4238.10@	351.62	0.46
13596.00	89.08	357.96	9139.30	94.00	4331.15	4286.81 N	620.65 W	4331.51@	351.76	0.89
13691.00	89.69	357.69	9140.32	95.00	4425.74	4381.74 N	624.26 W	4425.99@	351.89	0.70

PathFinder Energy Services, Inc.

Survey Report

DEVON ENERGY CORPORATION
ALDABRA 25 FEDERAL #6H
EDDY COUNTY, NEW MEXICO
RIG:H&P 416

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS
						(ft)	(ft)	(ft)	(deg)	(dg/100ft)
13785.00	88.99	357.43	9141.40	94.00	4519.36	4475.65 N	628.26 W	4519.53@	352.01	0.79
13880.00	88.90	357.08	9143.15	95.00	4614.02	4570.52 N	632.81 W	4614.12@	352.12	0.38
13975.00	88.55	356.73	9145.26	95.00	4708.72	4665.36 N	637.94 W	4708.78@	352.21	0.52
13992.00	88.55	356.64	9145.69	17.00	4725.67	4682.33 N	638.92 W	4725.72@	352.23	0.53
STRAIGHT-LINE PROJECTION TO BIT 14052' MD.										
14052.00	88.55	356.64	9147.21	60.00	4785.49	4742.21 N	642.44 W	4785.52@	352.28	0.00

** The survey data at tie-in point was furnished by a recognized survey company and entered as submitted. Survey stations above the tie-in point represent recalculated data by PathFinder Energy Services, Inc. and may reflect minor changes due to rounding differences between survey programs. Only survey stations taken by qualified PathFinder personnel are subject to certification.



A Schlumberger Company

TIE-IN SURVEY INFORMATION SHEET

CLIENT INFORMATION

CLIENT:	DEVON ENERGY		
LEASE / WELL No.:	ALDABRA 25 FEDERAL	#6H	
WELL LOCATION:	EDDY COUNTY		
COUNTY / STATE / COUNTRY:	EDDY	NEW MEXICO	USA
RIG:	H&P 416		
API WELL No:	30-015-3623		
JOB No:	700002165 WT-WT		
P.O. / AFE No.			
DIRECTIONAL COMPANY:	PES		

WELL SITE INFORMATION

TOTAL MAGNETIC CORRECTION (TMC):					
On Wall Plat:	7.35	LWD Calculated:	7.357	Agreed Upon:	7.36
X = 728941 350000		Feet	Y = 462026.580000		Feet
SITE LATITUDE:	32.268727 N	SITE LONGITUDE:	103.726364 W		
GRID SYSTEM:	TRUE ☐	UTM ☐	LAMBERT ☒	ZONE:	NEW MEXICO EAST
PROPOSED DRIFT DIRECTION:	352.5				
KELLY BUSHING ELEVATION:	25'				
ALTITUDE:	3535.7	Feet	WATER DEPTH:	Feet	

TIE-IN SURVEY

MEASURED DEPTH:	8263		
DRIFT ANGLE:	1.15		
DRIFT DIRECTION:	190.15		
TRUE VERTICAL DEPTH:	8260.32		
VERTICAL SECTION:	-106.77		
RECTANGULAR COORDINATE (N / S) :	-101.36		
RECTANGULAR COORDINATE (E / W) :	48.1		
CLOSURE DISTANCE / DIRECTION:	112.2	154.62	
SURVEY CALCULATION METHOD:	AA ☐	MC ☒	RC ☐ BT ☐
SOURCE OF TIE-IN DATA (COMPANY):	SCIENTIFIC DRILLING		
COPY OF TIE-IN SURVEY REPORT	☒ YES ☐ NO		

WELL PLAN

KICKOFF DEPTH:	8300	TOTAL DEPTH:	13885 33
KICKOFF ANGLE:	1.15	MAX ANGLE:	90

PES Engineers: SAM BIFFLE
ROLDAN DIAZ

**Signature of both field engineers required if applicable

Directional Driller: Manuel Cervantes

DATE: 4-Apr-2011



A Schlumberger Company

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

DEVON ENERGY
ALDABRA 25 FEDERAL #6H
EDDY COUNTY, NEW MEXICO
Rig: HP 416

Fri Apr 08 15:27:25 2011

Coordinates

Latitude: 32.268727 N (32 deg. 16 min. 7.4185 sec.)
Longitude: 103.726364 W (-103 deg. 43 min. 34.9113 sec.)
Elevation: 3560.70 feet.
Calculation Date: Apr/08/2011

Magnetic Calculations

Model: IGRF2010
Dip Angle: 60.2065 degrees
Total Magnetic Field: 0.48644 gauss
Magnetic Declination: 7.682838 degrees
Horizontal Intensity: 0.241699 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 7.682838 Degr

Transverse Mercator Grid Calculations NAD83

Grid System: Transverse Mercator: new mexico east
Ellipsoid: GRS80
X: 728941.3500 feet
Y: 462026.5800 feet
True to Grid: (convergence) -0.324064 degrees
Magnetic to Grid: 7.358774 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 7.358774 Degr.

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

Field copy

Mon Apr 11 10:20:53 2011

Coordinates

Latitude: 32.268727 N (32 deg. 16 min. 7.4185 sec.)
Longitude: 103.726364 W (-103 deg. 43 min. 34.9113 sec.)
Elevation: 3535.70 feet.
Calculation Date: Apr/11/2011

Magnetic Calculations

Model: IGRF2010
Dip Angle: 60.2063 degrees
Total Magnetic Field: 0.48643 gauss
Magnetic Declination: 7.681847 degrees
Horizontal Intensity: 0.241698 gauss

To Convert a Magnetic Dir. to a TRUE North Dir. Add 7.681847 Degr.

Transverse Mercator Grid Calculations NAD83

Grid System: Transverse Mercator: new mexico east
Ellipsoid: GRS80
X: 728941.3500 feet
Y: 462026.5800 feet
True to Grid: (convergence) -0.324064 degrees
Magnetic to Grid: 7.357783 degrees

To Convert a Magnetic Dir. to a GRID dir. Add 7.357783 Degr.