

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM0544986

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
ALDABRA 25 FEDERAL 3H9. API Well No.
30-015-3861410. Field and Pool, or Exploratory
WILDCAT-BONE SPRING
SAND Dunes; B.S.11. County or Parish, and State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DEVON ENERGY PRODUCTION CO. LP

Contact: ERIN WORKMAN

E-Mail: ERIN.WORKMAN@DVN.COM

3a. Address

333 W. SHERIDAN AVENUE
OKC, OK 73102

3b. Phone No. (include area code)

Ph: 405-552-7970

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 25 T23S R31E 200FSL 2260FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A PD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon Energy Production Company, LP respectfully requests to change the existing approved APD formation according to the attached Drilling Plan and Directional Survey.

Attached is the Directional Survey and Drilling Plan

Thank you!

Accepted for record

NMOC
TOS
2/20/2013

RECEIVED

FEB 20 2013

NMOC D ARTESIA

Original COA still stands.

may need additional cement 3rd stage DV tool - Excess 24%
will need additional cement 1st stage DV tool - Excess 9%

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #166659 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION CO., LP, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 12/21/2012 ()

Name (Printed/Typed) ERIN WORKMAN

Title REGULATORY COMPLIANCE ASSOC.

Signature (Electronic Submission)

Date 12/18/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

ALDABRA 25 FED 3H – APD DRILLING PLAN
MHC 10.14.10

Casing Program

See COA

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
17-1/2"	0 – 900 ^{925'}	13-3/8"	0 – 900	48#	STC	H-40
12-1/4"	925' – 4,475	9-5/8"	0 – 4,475	40#	LTC	J-55
8-3/4"	4,475 – 10,700	5-1/2"	0 – 10,700	17#	LTC	HCP-110
8-3/4"	10,700 – 16,529	5-1/2"	7,500 – 16,529	17#	BTC	HCP-110

Design Factors

<u>Casing Size</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
13-3/8"	1.88	4.22	7.67
9-5/8" 40# J-55 LTC	1.23	1.71	2.92
5-1/2" 17# HCP-110 LTC	2.13	3.03	1.92
5-1/2" 17# HCP-110 BTC	1.77	2.53	5.25

Mud Program

See COA
925'

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>Fluid Loss</u>	<u>Type System</u>
0 – 900 ^{925'}	8.4 – 9.0	30 – 34	N/C	FW
900 – 4,475	9.8 – 10.0	28 – 32	N/C	Brine
4,475 – 16,529	8.6 – 9.0	28 – 32	N/C	FW

Pressure Control Equipment:

The BOP system used to drill the intermediate hole will consist of a 13-5/8" 5M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a **3M system** prior to drilling out the surface casing shoe.

The BOP system used to drill the production hole will consist of a 13-5/8" 5M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a **3M system** prior to drilling out the intermediate casing shoe.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at **3,000 psi WP**.

Cementing Program

13-3/8" Surface

Lead: 595 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 4% bwoc Bentonite + 81.4% Fresh Water, 13.5 ppg

Yield: 1.75 cf/sk

TOC @ surface

Tail: 250 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56.3% Fresh Water, 14.8 ppg

Yield: 1.35 cf/sk

9-5/8" Intermediate

Lead: 1,200 sacks (35:65) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 107.8% Fresh Water, 12.5 ppg

Yield: 2.04 cf/sk

TOC @ surface

Tail: 300 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 64.7% Water, 13.8 ppg

Yield: 1.37 cf/sk

5-1/2" Production

1st Stage

Lead: 560 sacks (35:65) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 2% bwoc Bentonite + 0.6% bwoc Sodium Metasilicate + 0.5% bwoc FL-52A + 102.5% Fresh Water, 12.5 ppg

Yield: 2.01 cf/sk

Tail: 1,400 sacks (50:50) Poz (Fly Ash):Class H Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 58.3% Fresh Water, 14.2 ppg

Yield: 1.28 cf/sk

DV TOOL at 6,000 ft

2nd Stage

Lead: 325 sacks Class C Cement + 1% bwow Calcium Chloride + 0.125 lbs/sack Cello Flake + 157.8% Fresh Water, 11.4 ppg

Yield: 2.88 cf/sk

Tail: 100 sacks (60:40) Poz (Fly Ash):Class C Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 63.2% Fresh Water, 13.8 ppg

Yield: 1.37cf/sk

DV TOOL at 3,800 ft

3rd Stage

Lead: 375 sacks Class C Cement + 1% bwow Calcium Chloride + 0.125 lbs/sack Cello Flake + 157.8% Fresh Water, 11.4 ppg

Yield: 2.91 cf/sk

TOC @ surface

Tail: 100 sacks (60:40) Poz (Fly Ash):Class C Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 63.2% Fresh Water, 13.8 ppg

Yield: 1.37cf/sk

TOC for All Strings:

Surface:	0
Intermediate:	0
Production:	0

ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA.



Weatherford®

Drilling Services

Proposal



devon

ALDABRA 25 FED 3H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

NOVEMBER 14, 2012

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com



Aldabra 25 Fed 3H
Eddy Co, NM

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	10706.58	0.00	0.00	10706.58	0.00	0.00	0.00	0.00	0.00	
3	11133.58	42.70	238.91	11095.14	-78.42	-130.07	10.00	238.91	-60.51	
4	12236.70	90.00	359.70	11700.00	456.40	-612.34	10.00	113.65	533.47	Tgt
5	16528.59	90.00	359.70	11700.00	4748.23	-634.67	0.00	0.00	4790.46	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Aldabra 25 Fed 3H	0.00	0.00	462015.03	726972.73	32°16'07.405N	103°43'57.857W	N/A

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	
Tgt	11700.00	456.40	-612.34	462471.43	726360.39	Point	
PBHL	11700.00	4748.23	-634.67	466763.26	726338.06	Rectangle (4192x50)	

FIELD DETAILS

Eddy Co., NM (NAD 83)

Geodetic System: US State Plane Coordinate System 1983

Ellipsoid: GRS 1980

Zone: New Mexico, Eastern Zone

Magnetic Model: IGRF2010

System Datum: Mean Sea Level

Local North: Grid North

SITE DETAILS

Aldabra 25 Fed 3H

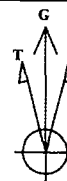
Site Centre Northing: 462015.03

Easting: 726972.73

Ground Level: 3504.00

Positional Uncertainty: 0.00

Convergence: 0.32



Azimuths to Grid North

True North: -0.32°

Magnetic North: 7.07°

Magnetic Field

Strength: 48426nT

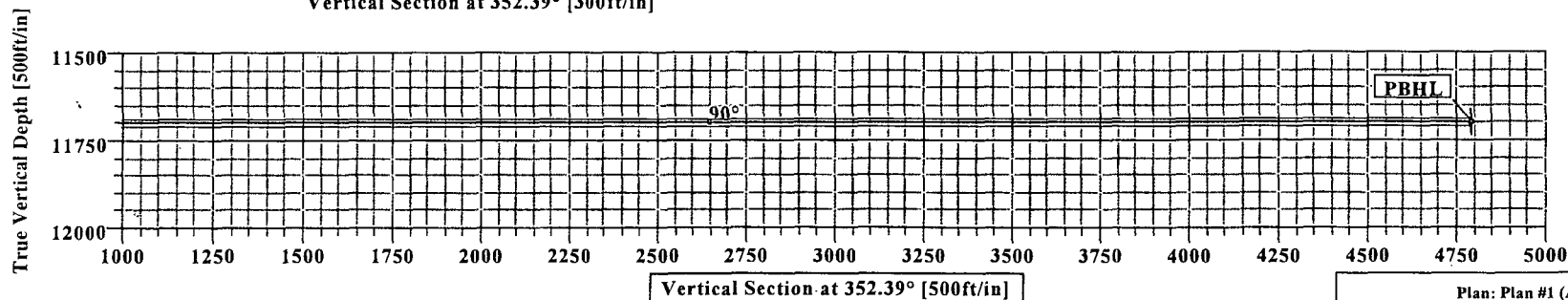
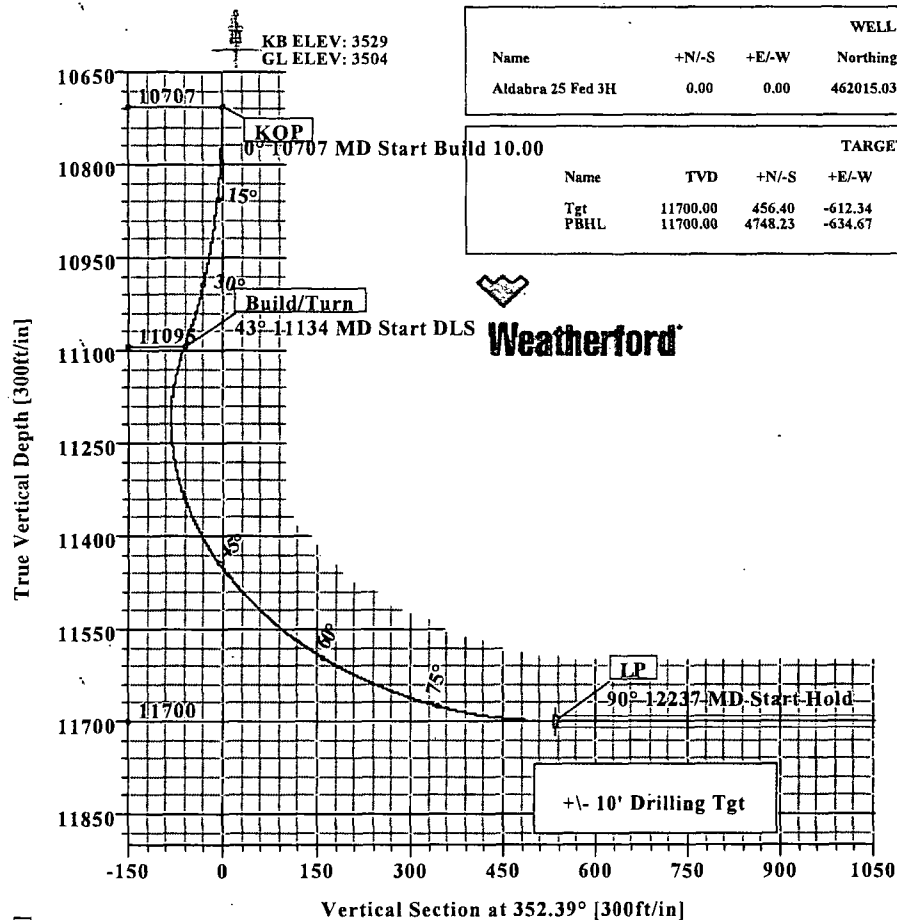
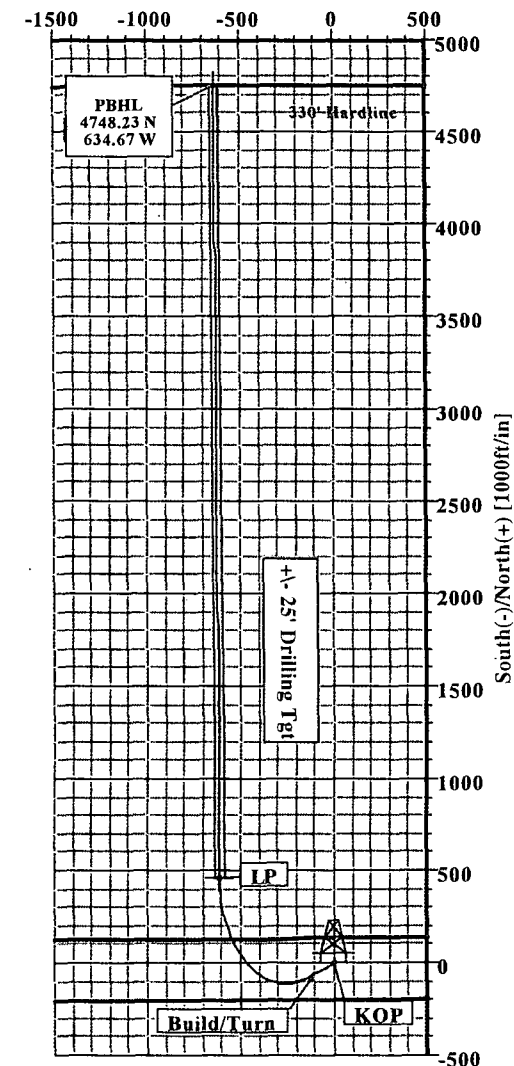
Dip Angle: 60.14°

Date: 9/15/2013

Model: IGRF2010

Total Correction to Grid North: 7.07°

West(-)/East(+) [1000ft/in]



Plan: Plan #1 (Aldabra 25 Fed 3H/1)

Created By: Russell W. Joyner

Date: 11/14/2012



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WFT Plan Report - X & Y's



Weatherford

Company: Devon Energy Date: 11/14/2012 Time: 11:46:08 Page: 1
Field: Eddy Co. NM (NAD 83) Co-ordinate(NE) Reference: Well Aldabra 25 Fed 3H Grid North
Site: Aldabra 25 Fed 3H Vertical (TVD) Reference: SITE 3529.0
Well: Aldabra 25 Fed 3H Section (VS) Reference: Well (0.00N;0.00E;352.39Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #1 Date Composed: 11/14/2012
Principal: Yes Version: 1
Tied-to: From Surface

Field: Eddy Co., NM (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: IGRF2010

Site: Aldabra 25 Fed 3H

Site Position: Northing: 462015.03 ft Latitude: 32 16 7.405 N
From: Map Easting: 726972.73 ft Longitude: 103 43 57.857 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3504.00 ft Grid Convergence: 0.32 deg

Well: Aldabra 25 Fed 3H

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 462015.03 ft Latitude: 32 16 7.405 N
+E/-W 0.00 ft Easting: 726972.73 ft Longitude: 103 43 57.857 W
Position Uncertainty: 0.00 ft

Wellpath: 1

Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 7.39 deg
Mag Dip Angle: 60.14 deg
+E/-W Direction
ft deg

Current Datum: SITE Height 3529.00 ft
Magnetic Data: 9/15/2013
Field Strength: 48426 nT
Vertical Section: Depth From (TVD) +N/-S
ft ft
0.00 0.00 0.00 352.39

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10706.58	0.00	0.00	10706.58	0.00	0.00	0.00	0.00	0.00	0.00	
11133.58	42.70	238.91	11095.14	-78.42	-130.07	10.00	10.00	0.00	238.91	
12236.70	90.00	359.70	11700.00	456.40	-612.34	10.00	4.29	10.95	113.65	Tgt
16528.59	90.00	359.70	11700.00	4748.23	-634.67	0.00	0.00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azimi deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comments
10706.58	0.00	0.00	10706.58	0.00	0.00	0.00	0.00	462015.03	726972.73	KOP
10750.00	4.34	238.91	10749.96	-0.85	-1.41	-0.66	10.00	462014.18	726971.32	
10800.00	9.34	238.91	10799.59	-3.92	-6.51	-3.03	10.00	462011.11	726966.22	
10850.00	14.34	238.91	10848.51	-9.22	-15.29	-7.11	10.00	462005.81	726957.44	
10900.00	19.34	238.91	10896.35	-16.70	-27.69	-12.88	10.00	461998.33	726945.04	
10950.00	24.34	238.91	10942.74	-26.30	-43.62	-20.29	10.00	461988.73	726929.11	
11000.00	29.34	238.91	10987.34	-37.95	-62.95	-29.28	10.00	461977.08	726909.78	
11050.00	34.34	238.91	11029.80	-51.57	-85.53	-39.79	10.00	461963.46	726887.20	
11100.00	39.34	238.91	11069.81	-67.05	-111.20	-51.73	10.00	461947.98	726861.53	
11133.58	42.70	238.91	11095.14	-78.42	-130.07	-60.51	10.00	461936.61	726842.66	Build/Turn
11150.00	42.06	241.16	11107.27	-83.95	-139.66	-64.72	10.00	461931.08	726833.07	
11200.00	40.41	248.32	11144.89	-98.03	-169.41	-74.73	10.00	461917.00	726803.32	
11250.00	39.22	255.91	11183.31	-107.87	-199.82	-80.46	10.00	461907.16	726772.91	
11300.00	38.55	263.81	11222.26	-113.40	-230.66	-81.86	10.00	461901.63	726742.07	
11350.00	38.42	271.84	11261.42	-114.59	-261.70	-78.92	10.00	461900.44	726711.03	
11400.00	38.84	279.83	11300.50	-111.41	-292.70	-71.67	10.00	461903.62	726680.03	



Weatherford

WFT Plan Report - X & Y's



Weatherford

Company: Devon Energy Date: 11/14/2012 Time: 11:46:08 Page: 2
Field: Eddy Co. NM (NAD 83) Co-ordinate (NE) Reference: Well: Aldabra 25 Fed 3H Grd North
Site: Aldabra 25 Fed 3H Vertical (TVD) Reference: SITE 3529.0
Well: Aldabra 25 Fed 3H Section (VS) Reference: Well (0.00N 0.00E 352.39Azi)
Wellpath: Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
11450.00	39.79	287.58	11339.21	-103.90	-323.42	-60.15	10.00	461911.13	726649.31	
11500.00	41.23	294.95	11377.24	-92.11	-353.63	-44.46	10.00	461922.92	726619.10	
11550.00	43.12	301.85	11414.32	-76.13	-383.10	-24.72	10.00	461938.90	726589.63	
11600.00	45.38	308.24	11450.15	-56.08	-411.61	-1.08	10.00	461958.95	726561.12	
11650.00	47.98	314.12	11484.46	-32.12	-438.94	26.29	10.00	461982.91	726533.79	
11700.00	50.85	319.51	11517.00	-4.43	-464.87	57.18	10.00	462010.60	726507.86	
11750.00	53.95	324.47	11547.51	26.79	-489.23	91.34	10.00	462041.82	726483.50	
11800.00	57.24	329.03	11575.77	61.29	-511.81	128.52	10.00	462076.32	726460.92	
11850.00	60.68	333.27	11601.56	98.80	-532.44	168.45	10.00	462113.83	726440.29	
11900.00	64.25	337.22	11624.67	139.06	-550.98	210.80	10.00	462154.09	726421.75	
11950.00	67.92	340.94	11644.95	181.74	-567.27	255.27	10.00	462196.77	726405.46	
12000.00	71.66	344.47	11662.22	226.53	-581.20	301.50	10.00	462241.56	726391.53	
12050.00	75.47	347.85	11676.37	273.08	-592.66	349.16	10.00	462288.11	726380.07	
12100.00	79.33	351.11	11687.28	321.04	-601.55	397.88	10.00	462336.07	726371.18	
12150.00	83.22	354.29	11694.87	370.05	-607.82	447.28	10.00	462385.08	726364.91	
12200.00	87.12	357.42	11699.08	419.72	-611.42	497.00	10.00	462434.75	726361.31	
12236.70	90.00	359.70	11700.00	456.40	-612.34	533.47	10.00	462471.43	726360.39	Tgt
12300.00	90.00	359.70	11700.00	519.69	-612.67	596.25	0.00	462534.72	726360.06	
12400.00	90.00	359.70	11700.00	619.69	-613.19	695.44	0.00	462634.72	726359.54	
12500.00	90.00	359.70	11700.00	719.69	-613.71	794.63	0.00	462734.72	726359.02	
12600.00	90.00	359.70	11700.00	819.69	-614.23	893.81	0.00	462834.72	726358.50	
12700.00	90.00	359.70	11700.00	919.69	-614.75	993.00	0.00	462934.72	726357.98	
12800.00	90.00	359.70	11700.00	1019.69	-615.27	1092.19	0.00	463034.72	726357.46	
12900.00	90.00	359.70	11700.00	1119.69	-615.79	1191.37	0.00	463134.72	726356.94	
13000.00	90.00	359.70	11700.00	1219.69	-616.31	1290.56	0.00	463234.72	726356.42	
13100.00	90.00	359.70	11700.00	1319.68	-616.83	1389.75	0.00	463334.71	726355.90	
13200.00	90.00	359.70	11700.00	1419.68	-617.35	1488.93	0.00	463434.71	726355.38	
13300.00	90.00	359.70	11700.01	1519.68	-617.88	1588.12	0.00	463534.71	726354.85	
13400.00	90.00	359.70	11700.01	1619.68	-618.40	1687.31	0.00	463634.71	726354.33	
13500.00	90.00	359.70	11700.01	1719.68	-618.92	1786.49	0.00	463734.71	726353.81	
13600.00	90.00	359.70	11700.01	1819.68	-619.44	1885.68	0.00	463834.71	726353.29	
13700.00	90.00	359.70	11700.01	1919.68	-619.96	1984.87	0.00	463934.71	726352.77	
13800.00	90.00	359.70	11700.01	2019.67	-620.48	2084.06	0.00	464034.70	726352.25	
13900.00	90.00	359.70	11700.01	2119.67	-621.00	2183.24	0.00	464134.70	726351.73	
14000.00	90.00	359.70	11700.01	2219.67	-621.52	2282.43	0.00	464234.70	726351.21	
14100.00	90.00	359.70	11700.01	2319.67	-622.04	2381.62	0.00	464334.70	726350.69	
14200.00	90.00	359.70	11700.01	2419.67	-622.56	2480.80	0.00	464434.70	726350.17	
14300.00	90.00	359.70	11700.01	2519.67	-623.08	2579.99	0.00	464534.70	726349.65	
14400.00	90.00	359.70	11700.01	2619.67	-623.60	2679.18	0.00	464634.70	726349.13	
14500.00	90.00	359.70	11700.01	2719.66	-624.12	2778.36	0.00	464734.69	726348.61	
14600.00	90.00	359.70	11700.01	2819.66	-624.64	2877.55	0.00	464834.69	726348.09	
14700.00	90.00	359.70	11700.01	2919.66	-625.16	2976.74	0.00	464934.69	726347.57	
14800.00	90.00	359.70	11700.01	3019.66	-625.68	3075.92	0.00	465034.69	726347.05	
14900.00	90.00	359.70	11700.01	3119.66	-626.20	3175.11	0.00	465134.69	726346.53	
15000.00	90.00	359.70	11700.01	3219.66	-626.72	3274.30	0.00	465234.69	726346.01	
15100.00	90.00	359.70	11700.01	3319.66	-627.25	3373.48	0.00	465334.69	726345.48	
15200.00	90.00	359.70	11700.01	3419.66	-627.77	3472.67	0.00	465434.69	726344.96	
15300.00	90.00	359.70	11700.02	3519.65	-628.29	3571.86	0.00	465534.68	726344.44	
15400.00	90.00	359.70	11700.02	3619.65	-628.81	3671.04	0.00	465634.68	726343.92	
15500.00	90.00	359.70	11700.02	3719.65	-629.33	3770.23	0.00	465734.68	726343.40	
15600.00	90.00	359.70	11700.02	3819.65	-629.85	3869.42	0.00	465834.68	726342.88	
15700.00	90.00	359.70	11700.02	3919.65	-630.37	3968.61	0.00	465934.68	726342.36	
15800.00	90.00	359.70	11700.02	4019.65	-630.89	4067.79	0.00	466034.68	726341.84	



Weatherford

WFT Plan Report - X & Y's



Weatherford

Company: Devon Energy
Field: Eddy Co. NM (NAD 83)
Site: Aldabra 25 Fed 3H
Well: Aldabra 25 Fed 3H
Wellpath: 1

Date: 11/14/2012
Co-ordinate(NE) Reference: Well: Aldabra 25 Fed 3H, Grid North
Vertical (TVD) Reference: SITE 3529.0
Section (VS) Reference: Well (0.00N 0.00E 352.39Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Time: 11:46:08
Page: 3

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
15900.00	90.00	359.70	11700.02	4119.65	-631.41	4166.98	0.00	466134.68	726341.32	
16000.00	90.00	359.70	11700.02	4219.64	-631.93	4266.17	0.00	466234.67	726340.80	
16100.00	90.00	359.70	11700.02	4319.64	-632.45	4365.35	0.00	466334.67	726340.28	
16200.00	90.00	359.70	11700.02	4419.64	-632.97	4464.54	0.00	466434.67	726339.76	
16300.00	90.00	359.70	11700.02	4519.64	-633.49	4563.73	0.00	466534.67	726339.24	
16400.00	90.00	359.70	11700.02	4619.64	-634.01	4662.91	0.00	466634.67	726338.72	
16500.00	90.00	359.70	11700.02	4719.64	-634.53	4762.10	0.00	466734.67	726338.20	
16528.59	90.00	359.70	11700.00	4748.23	-634.67	4790.46	0.00	466763.26	726338.06	PBHL

Targets

Name	Description Dip Dir	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
Tgt		11700.00	456.40	-612.34	462471.43	726360.39	32 16 11.955 N	103 44 4.959 W
PBHL		11700.00	4748.23	-634.67	466763.26	726338.06	32 16 54.426 N	103 44 4.941 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
10706.58	10706.58	KOP
11133.58	11095.14	Build/Turn
12236.70	11700.00	LP
16528.59	11700.02	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

**Weatherford****Weatherford Drilling Services**

GeoDec v5.03

Report Date: November 14, 2012

Job Number: _____

Customer: Devon Energy

Well Name: Aldabra 25 Fed 3H

API Number: _____

Rig Name: _____

Location: Eddy Co., NM (NAD 83)

Block: _____

Engineer: RWJ

US State Plane 1983

Geodetic Latitude / Longitude

System: New Mexico Eastern Zone

System: Latitude / Longitude

Projection: Transverse Mercator/Gauss Kruger

Projection: Geodetic Latitude and Longitude

Datum: North American Datum 1983

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Ellipsoid: GRS 1980

North/South 462015.030 USFT

Latitude 32.2687261 DEG

East/West 726972.730 USFT

Longitude -103.7327334 DEG

Grid Convergence: .32°

Total Correction: +7.07°

Geodetic Location WGS84

Elevation = 0.0 Meters

Latitude = 32.26873° N 32° 16 min 7.414 sec

Longitude = 103.73273° W 103° 43 min 57.840 sec

Magnetic Declination = 7.39° [True North Offset]

Local Gravity = .9988 g CheckSum = 6548

Local Field Strength = 48422 nT Magnetic Vector X = 23905 nT

Magnetic Dip = 60.15° Magnetic Vector Y = 3100 nT

Magnetic Model = IGRF-2010g11 Magnetic Vector Z = 41996 nT

Spud Date = Sep 15, 2013 Magnetic Vector H = 24105 nT

Signed: _____

Date: _____

Weatherford
WFT Plan Report - X & Y's

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Aldabra 25 Fed 3H
Well: Aldabra 25 Fed 3H
Wellpath: 1

Date: 11/14/2012
Co-ordinate(NE) Refer
Vertical (TVD) Refer
Section (VS) Referenc
Survey Calculation Me

Plan: Plan #1

Date Composed:

Principal: Yes

Version:

Tied-to:

Field: Eddy Co., NM (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone:
Coordinate System:
Geomagnetic Model:

Site: Aldabra 25 Fed 3H

Site Position:	Northing:	462015.03 ft	Latitude:
From: Map	Easting:	726972.73 ft	Longitude: 1
Position Uncertainty: 0.00 ft			North Reference:
Ground Level: 3504.00 ft			Grid Convergence:

Well: Aldabra 25 Fed 3H

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 462015.03 ft	Latitude:
+E/-W 0.00 ft	Easting: 726972.73 ft	Longitude: 1
Position Uncertainty: 0.00 ft		

Wellpath: 1

Current Datum: SITE	Height 3529.00 ft	Drilled From:
Magnetic Data: 9/15/2013		Tie-on Depth:
Field Strength: 48426 nT		Above System Datum
Vertical Section: Depth From (TVD)		Declination:
	+N/-S	Mag Dip Angle:
ft	ft	+E/-W
0.00	0.00	0.00

Plan Section Information

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10706.58	0.00	0.00	10706.58	0.00	0.00	0.00	0.00
11133.58	42.70	238.91	11095.14	-78.42	-130.07	10.00	10.00
12236.70	90.00	359.70	11700.00	456.40	-612.34	10.00	4.29
16528.59	90.00	359.70	11700.00	4748.23	-634.67	0.00	0.00

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS
ft	deg	deg	ft	ft	ft	ft	deg/100ft

10706.58	0.00	0.00	10706.58	0.00	0.00	0.00	0.00
10750.00	4.34	238.91	10749.96	-0.85	-1.41	-0.66	10.00
10800.00	9.34	238.91	10799.59	-3.92	-6.51	-3.03	10.00
10850.00	14.34	238.91	10848.51	-9.22	-15.29	-7.11	10.00
10900.00	19.34	238.91	10896.35	-16.70	-27.69	-12.88	10.00
10950.00	24.34	238.91	10942.74	-26.30	-43.62	-20.29	10.00
11000.00	29.34	238.91	10987.34	-37.95	-62.95	-29.28	10.00
11050.00	34.34	238.91	11029.80	-51.57	-85.53	-39.79	10.00
11100.00	39.34	238.91	11069.81	-67.05	-111.20	-51.73	10.00
11133.58	42.70	238.91	11095.14	-78.42	-130.07	-60.51	10.00
11150.00	42.06	241.16	11107.27	-83.95	-139.66	-64.72	10.00
11200.00	40.41	248.32	11144.89	-98.03	-169.41	-74.73	10.00
11250.00	39.22	255.91	11183.31	-107.87	-199.82	-80.46	10.00
11300.00	38.55	263.81	11222.26	-113.40	-230.66	-81.86	10.00
11350.00	38.42	271.84	11261.42	-114.59	-261.70	-78.92	10.00
11400.00	38.84	279.83	11300.50	-111.41	-292.70	-71.67	10.00
11450.00	39.79	287.58	11339.21	-103.90	-323.42	-60.15	10.00
11500.00	41.23	294.95	11377.24	-92.11	-353.63	-44.46	10.00
11550.00	43.12	301.85	11414.32	-76.13	-383.10	-24.72	10.00
11600.00	45.38	308.24	11450.15	-56.08	-411.61	-1.08	10.00
11650.00	47.98	314.12	11484.46	-32.12	-438.94	26.29	10.00
11700.00	50.85	319.51	11517.00	-4.43	-464.87	57.18	10.00
11750.00	53.95	324.47	11547.51	26.79	-489.23	91.34	10.00
11800.00	57.24	329.03	11575.77	61.29	-511.81	128.52	10.00
11850.00	60.68	333.27	11601.56	98.80	-532.44	168.45	10.00
11900.00	64.25	337.22	11624.67	139.06	-550.98	210.80	10.00
11950.00	67.92	340.94	11644.95	181.74	-567.27	255.27	10.00
12000.00	71.66	344.47	11662.22	226.53	-581.20	301.50	10.00
12050.00	75.47	347.85	11676.37	273.08	-592.66	349.16	10.00
12100.00	79.33	351.11	11687.28	321.04	-601.55	397.88	10.00
12150.00	83.22	354.29	11694.87	370.05	-607.82	447.28	10.00
12200.00	87.12	357.42	11699.08	419.72	-611.42	497.00	10.00
12236.70	90.00	359.70	11700.00	456.40	-612.34	533.47	10.00
12300.00	90.00	359.70	11700.00	519.69	-612.67	596.25	0.00
12400.00	90.00	359.70	11700.00	619.69	-613.19	695.44	0.00
12500.00	90.00	359.70	11700.00	719.69	-613.71	794.63	0.00
12600.00	90.00	359.70	11700.00	819.69	-614.23	893.81	0.00
12700.00	90.00	359.70	11700.00	919.69	-614.75	993.00	0.00
12800.00	90.00	359.70	11700.00	1019.69	-615.27	1092.19	0.00
12900.00	90.00	359.70	11700.00	1119.69	-615.79	1191.37	0.00
13000.00	90.00	359.70	11700.00	1219.69	-616.31	1290.56	0.00
13100.00	90.00	359.70	11700.00	1319.68	-616.83	1389.75	0.00
13200.00	90.00	359.70	11700.00	1419.68	-617.35	1488.93	0.00
13300.00	90.00	359.70	11700.01	1519.68	-617.88	1588.12	0.00
13400.00	90.00	359.70	11700.01	1619.68	-618.40	1687.31	0.00
13500.00	90.00	359.70	11700.01	1719.68	-618.92	1786.49	0.00
13600.00	90.00	359.70	11700.01	1819.68	-619.44	1885.68	0.00
13700.00	90.00	359.70	11700.01	1919.68	-619.96	1984.87	0.00
13800.00	90.00	359.70	11700.01	2019.67	-620.48	2084.06	0.00
13900.00	90.00	359.70	11700.01	2119.67	-621.00	2183.24	0.00

14000.00	90.00	359.70	11700.01	2219.67	-621.52	2282.43	0.00
14100.00	90.00	359.70	11700.01	2319.67	-622.04	2381.62	0.00
14200.00	90.00	359.70	11700.01	2419.67	-622.56	2480.80	0.00
14300.00	90.00	359.70	11700.01	2519.67	-623.08	2579.99	0.00
14400.00	90.00	359.70	11700.01	2619.67	-623.60	2679.18	0.00
14500.00	90.00	359.70	11700.01	2719.66	-624.12	2778.36	0.00
14600.00	90.00	359.70	11700.01	2819.66	-624.64	2877.55	0.00
14700.00	90.00	359.70	11700.01	2919.66	-625.16	2976.74	0.00
14800.00	90.00	359.70	11700.01	3019.66	-625.68	3075.92	0.00
14900.00	90.00	359.70	11700.01	3119.66	-626.20	3175.11	0.00
15000.00	90.00	359.70	11700.01	3219.66	-626.72	3274.30	0.00
15100.00	90.00	359.70	11700.01	3319.66	-627.25	3373.48	0.00
15200.00	90.00	359.70	11700.01	3419.66	-627.77	3472.67	0.00
15300.00	90.00	359.70	11700.02	3519.65	-628.29	3571.86	0.00
15400.00	90.00	359.70	11700.02	3619.65	-628.81	3671.04	0.00
15500.00	90.00	359.70	11700.02	3719.65	-629.33	3770.23	0.00
15600.00	90.00	359.70	11700.02	3819.65	-629.85	3869.42	0.00
15700.00	90.00	359.70	11700.02	3919.65	-630.37	3968.61	0.00
15800.00	90.00	359.70	11700.02	4019.65	-630.89	4067.79	0.00
15900.00	90.00	359.70	11700.02	4119.65	-631.41	4166.98	0.00
16000.00	90.00	359.70	11700.02	4219.64	-631.93	4266.17	0.00
16100.00	90.00	359.70	11700.02	4319.64	-632.45	4365.35	0.00
16200.00	90.00	359.70	11700.02	4419.64	-632.97	4464.54	0.00
16300.00	90.00	359.70	11700.02	4519.64	-633.49	4563.73	0.00
16400.00	90.00	359.70	11700.02	4619.64	-634.01	4662.91	0.00
16500.00	90.00	359.70	11700.02	4719.64	-634.53	4762.10	0.00
16528.59	90.00	359.70	11700.00	4748.23	-634.67	4790.46	0.00

Targets

Name	Description	TVD	+N/-S	+E/-W	Map Northing	M Ea
	Dip. Dir.	ft	ft	ft	ft	
Tgt		11700.00	456.40	-612.34	462471.43	726
PBHL		11700.00	4748.23	-634.67	466763.26	726

Casing Points

MD	TVD	Diameter	Hole Size	Name
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Annotation

MD	TVD	
ft	ft	
10706.58	10706.58	KOP
11133.58	11095.14	Build/Turn
12236.70	11700.00	LP
16528.59	11700.02	PBHL

Formations

MD

TVD

Formations

Lithology