ATS-11-228

OCD Artesia

Form 3160-3
(April 2004)

R-111-POTASH

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

NONOS

Split Estate

1a. Type of work: ☑ DRILL ☐ REENTER	5. Lease Serial No. BHL-0405444 SHL NMNM-0405444A; ~~0418220A~~
	6. If Indian, Allotee or Tribe Name
	7. If Unit or CA Agreement, Name and No.
1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone	8. Lease Name and Well No. Aldabra 26 Fed Com 8H (38559)
2. Name of Operator Devon Energy Production Company, LP (6137)	9. API Well No. 30-015-38624
3a. Address 20 North Broadway, Oklahoma City, Oklahoma City 73102-8260	3b. Phone No. (include area code) 405-228-8699
	10. Field and Pool, or Exploratory WILDCAT; Bone Spring (96403)
4. Location of Well (Report location clearly and in accordance with any State requirements.*) At surface 350 FSL & 445 FEL Unit P PP: 350 FSL & 445 FEL At proposed prod. zone 2600 FSL & 400 FEL Unit I Sec 23 T23S R31E NORTHODOX LOCATION	11. Sec., T. R. M. or Blk. and Survey or Area SEC 26 T23S R31E
14. Distance in miles and direction from nearest town or post office* Approximately 22 miles east of Loving, NM.	12. County or Parish Eddy County / 13. State NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any)	350'	16. No. of acres in lease 2560 Acres	17. Spacing Unit dedicated to this well 240 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	See Attached Map	19. Proposed Depth 16,334' MD 9025' TVD	20. BLM/BIA Bond No. on file CO-1104
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3470' GL		22. Approximate date work will start*	23. Estimated duration 45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Name (Printed Typed) Judy A. Barnett	Date 01/07/2011
Title Regulatory Specialist		
Approved by (Signature) /s/ Jesse J. Juen	Name (Printed/Typed) /s/ Jesse J. Juen	Date MAR 07 2011
Title FOR STATE DIRECTOR	Office NM STATE OFFICE	

Application approval 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.
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

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.

*(Instructions on page 2)

OCD CONDITION OF APPROVAL for Drilling:
Intent to drill ONLY --- CANNOT produce until the Non-Standard Location has been approved by OCD Santa Fe office.

CARLSBAD CONTROLLED WATER BASIN

RECEIVED
MAR 16 2011
NMOCD ARTESIA

KZ 03/31/11

SEE ATTACHED FOR CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

DRILLING PROGRAM

Devon Energy Production Company, LP

Aldabra 26 Fed Com 8H

Surface Location: 350' FSL & 445' FEL, Unit P, Sec 26 T23S R31E, Eddy, NM

Bottom Hole Location: 2600' FSL & 400' FEL, Unit I, Sec 23 T23S R31E, Eddy, NM

1. Geologic Name of Surface Formation

a. Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

a.	Quaternary	180'	Fresh Water
b.	Rustler Dol	790'	
c.	Salado Salt	1110'	
d.	Base of Salt	4199'	
e.	Lamar	4440'	Oil
f.	Bell Canyon	4480'	Oil
g.	Cherry Canyon	5364'	Oil
h.	Brushy Canyon	6567'	Oil
i.	Avalon/Top of Bone Spring FM	8243'	Oil/Gas
Total Depth		16,334'	

See COA

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13 3/8" casing at ~~850'~~ and circulating cement back to surface. Fresh water sands will be protected by setting 9 5/8" casing at 4425' and circulating cement to surface. The Bone Spring intervals will be isolated by setting 5 ½" casing to total depth and circulating cement to surface.

Casing Program: See COA

* See COA

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
17 1/2"	0-~~850~~'	13 3/8"	0'-~~850~~'	48#	ST&C	H-40
12 ¼"	~~850~~-4425'	9 5/8"	0'-4425'	40#	LT&C	J-55
8 ¾"	4425-7500'	5 ½"	0'-7500'	20#	LT&C	HCP-110
8 ¾"	7500-16,334'	5 ½"	7500-16,334'	17#	BT&C	HCP-110

Design Parameter Factors:

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13 3/8"	1.94	4.35	7.89
9 5/8" 40#	1.24	1.72	2.94
5 ½" 20# LTC	2.13	3.03	1.60
5 ½" 17# BTC	1.77	2.53	3.64

NOTE REGARDING COLLAPSE DESIGN FACTOR FOR INTERMEDIATE CASING: The maximum possible collapse load that the intermediate casing will experience will result from evacuated casing with the pore pressure exerting a collapse load at TD. The pore pressure is estimated to be 9.0 ppg for this calculation. This results in a collapse design factor of 1.24 for the 9-5/8" 40# J-55 LTC casing at a depth of 4,425 ft. While running the intermediate casing, the casing string will never be completely evacuated. There is no potential for the intermediate casing to be used as a production string.

*-See COA - Wait on Cement time

3. **Cement Program:** **(All cement volumes are based upon at least 25% excess)**

13 3/8" Surface

Lead: 500 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

See COA for DV-Tool & cement

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: 2,200 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 @ 6,000'.
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 @ 3,800'**~~
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

See COA

TOC for All Strings:

Surface:	0
Intermediate:	0
Production:	0

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

The above cement volumes could be revised pending the caliper measurement from the open hole logs. All casing is new and API approved.

Pressure Control Equipment:
The BOP system used to drill the intermediate hole will consist of a 13-5/8" 3M ~~Double~~ Triple 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" 3M ~~Double~~ Triple 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**.

See * COA

A flexible line with flanged ends may be used between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns.

replaced 2/9/11 mw

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.**

OK

Proposed Mud Circulation System

Depth	Mud Wt.	Visc	Fluid Loss	Type System
0' – 850'	8.4-9.0	30-34	NC	FW
850' – 4425'	9.8-10.0	28-32	NC	Brine
4425'–16,334'	8.6–9.0	28-32	NC	FW

See COA

The necessary mud products for weight addition and fluid loss control will be on location at all times.

4. **Auxiliary Well Control and Monitoring Equipment**:
   a. A Kelly cock will be in the drill string at all times.
   b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
   c. Hydrogen Sulfide detection equipment will be in operation after drilling out the 13 3/8" casing shoe until the 5 1/2" casing is cemented. Breathing equipment will be on location upon drilling the 13 3/8" shoe until total depth is reached.

5. **Logging, Coring, and Testing Program:**
   a. Drill stem tests will be based on geological sample shows.
   b. If a drill stem test is anticipated; a procedure, equipment to be used and safety measures will be provided via sundry notice to the BLM.
   c. The open hole electrical logging program will be:
      i. Total Depth to Intermediate Casing — Dual Laterolog-Micro Laterolog with SP and Gamma Ray. Compensated Neutron – Z Density log with Gamma Ray and Caliper.
      ii. Total Depth to Surface — Compensated Neutron with Gamma Ray
      iii. No coring program is planned
      iv. Additional testing will be initiated subsequent to setting the 5 ½" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows and drill stem tests.

See COA

6. **Potential Hazards:**
   a. No abnormal pressures or temperatures are expected. There is no known presence of H2S in this area. If H2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6 No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 4200 psi and Estimated BHT 140°. No H2S is anticipated to be encountered.

7. **Anticipated Starting Date and Duration of Operations:**
   a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 32 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production. Depending on rig availability, Devon may set the surface casing using an Ashton Oilfield Services rig. The rig plat is attached. This rig will be used only to set the surface casing and will leave the location once the surface casing has been run and cemented. Another rig will drill the remainder of the wellbore. The reasons for using the smaller rig to set surface are: rig availability and economics. The BLM will be contacted 24 hours prior to commencing drilling operations. The surface casing will be run and cemented back to surface as per the approved APD. The well will be secured with a cap welded onto the surface casing. Another rig will be on location to drill the remainder of the wellbore within 60 days after the Ashton rig has left the location.

See COA

b.

devon

Devon Energy, Inc.

Eddy County
Aldabra "26" Fed
#8H
OH

Plan: Plan #1

Pathfinder X & Y Planning Report

18 October, 2010

PATHFINDER®

A Schlumberger Company

devon

Project: Eddy County
Site: Aldabra "26" Fed
Well: #8H
Wellbore: OH
Plan: ***Plan #1 (#8H/OH)***

PROJECT DETAILS: Eddy County
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid

G T M

Azimuths to Grid North
True North: -0.32°
Magnetic North: 7.42°

Magnetic Field
Strength: 48724.2snT
Dip Angle: 60.24°
Date: 10/18/2010
Model: IGRF200510

PATHFINDER®
A Schlumberger Company

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	8505.00	0.00	0.00	8505.00	0.00	0.00	0.00	0.00	0.00	
3	9321.81	90.00	0.04	9025.00	520.00	0.36	11.02	0.04	520.00	
4	9322.10	90.00	0.05	9025.00	520.28	0.36	2.00	90.00	520.28	
5	16334.83	90.00	0.05	9025.00	7533.01	5.95	0.00	0.00	7533.01	PBHL(ALD26#8)

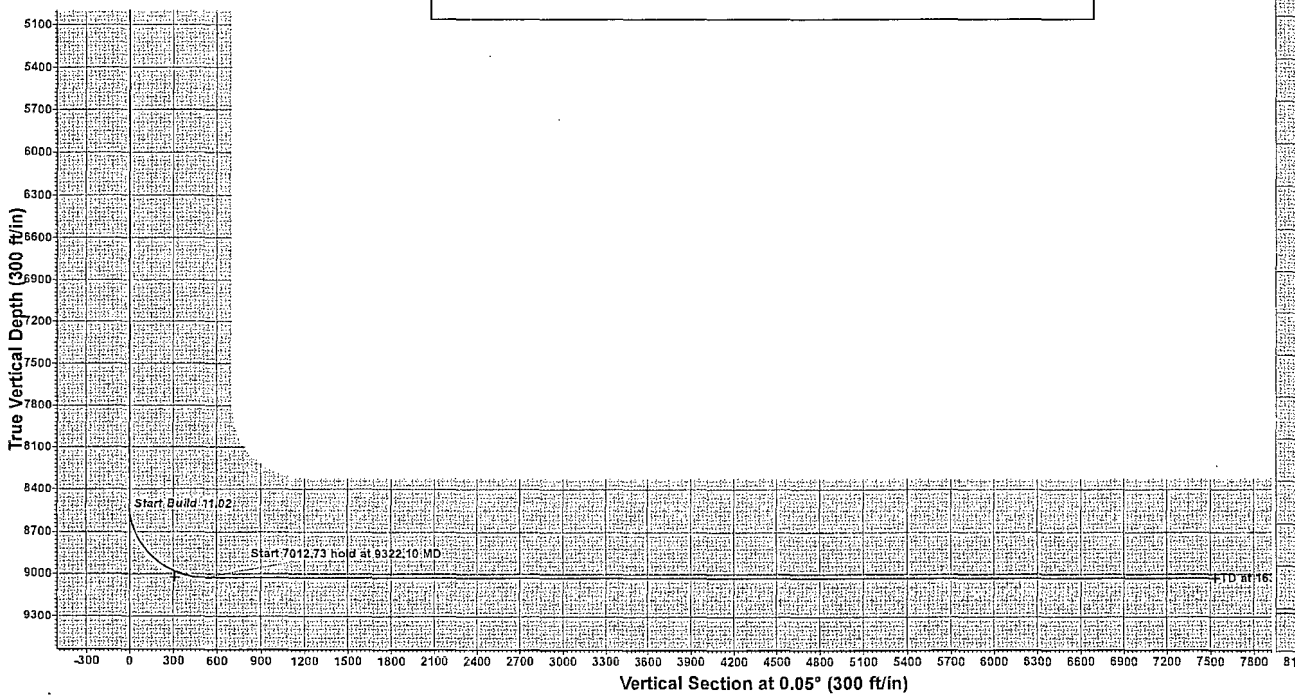
WELL DETAILS: #8H

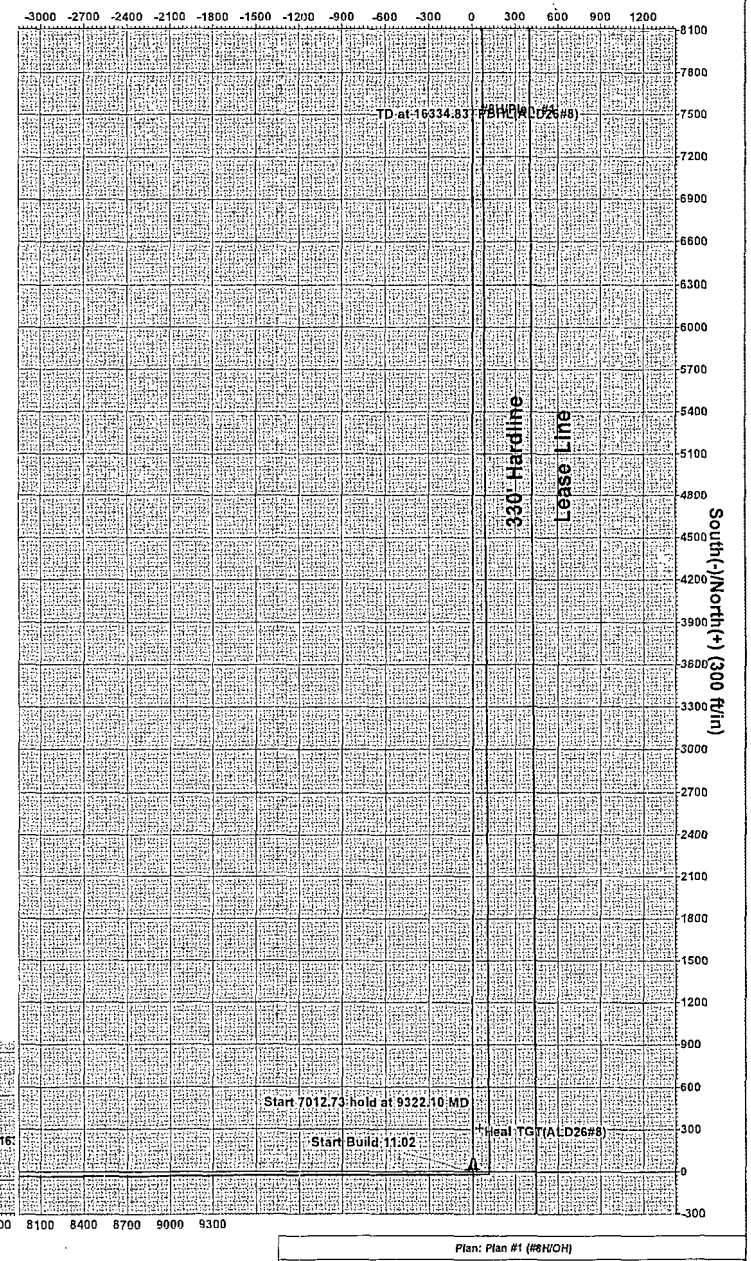
Ground Elevation:: 3470.60
RKB Elevation: WELL @ 3495.60ft (25' KB Correction)
Rig Name: 25' KB Correction

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	462150.340	724266.820	32° 16' 8.902 N	103° 44' 29.347 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Heal TGT(ALD26#8)	9025.00	310.02	43.53	462460.360	724310.350	Point
PBHL(ALD26#8)	9025.00	7533.01	5.95	469683.350	724272.770	Point





Plan: Plan #1 (#8H/OH)
Created By: Nate Bingham Date: 14:56, October 18 2010

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #8H
Project:	Eddy County	**TVD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Site:	Aldabra "26" Fed	**MD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Well:	#8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

Project Eddy County

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

Site Aldabra "26" Fed

Site Position:		**Northing:**	461,866.660 ft	**Latitude:**	32° 16' 6.330 N
From:	Map	**Easting:**	719,904.560 ft	**Longitude:**	103° 45' 20.171 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	"	**Grid Convergence:**	0.31 °

Well #8H

Well Position	**+N/-S**	0.00 ft	**Northing:**	462,150.340 ft	**Latitude:**	32° 16' 8.902 N
	+E/-W	0.00 ft	**Easting:**	724,266.820 ft	**Longitude:**	103° 44' 29.347 W
Position Uncertainty		2.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	3,470.60 ft

Wellbore OH

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	10/18/10	7.74	60.24	48,724

Design Plan #1

Audit Notes:

Version:	***Phase:***	PLAN	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.00	0.00	0.00	0.05

Survey Tool Program **Date** 10/18/10

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
0.00	16,334.83	Plan #1 (OH)	Pathfinder	Pathfinder MWD

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #8H
Project:	Eddy County	**TVD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Site:	Aldabra "26" Fed	**MD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Well:	#8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
0.00	0.00	0.00	0.00	-3,495.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
100.00	0.00	0.00	100.00	-3,395.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
200.00	0.00	0.00	200.00	-3,295.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
300.00	0.00	0.00	300.00	-3,195.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
400.00	0.00	0.00	400.00	-3,095.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
500.00	0.00	0.00	500.00	-2,995.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
600.00	0.00	0.00	600.00	-2,895.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
700.00	0.00	0.00	700.00	-2,795.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
800.00	0.00	0.00	800.00	-2,695.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
900.00	0.00	0.00	900.00	-2,595.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
1,000.00	0.00	0.00	1,000.00	-2,495.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
1,100.00	0.00	0.00	1,100.00	-2,395.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
1,200.00	0.00	0.00	1,200.00	-2,295.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
1,300.00	0.00	0.00	1,300.00	-2,195.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
1,400.00	0.00	0.00	1,400.00	-2,095.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
1,500.00	0.00	0.00	1,500.00	-1,995.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
1,600.00	0.00	0.00	1,600.00	-1,895.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
1,700.00	0.00	0.00	1,700.00	-1,795.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
1,800.00	0.00	0.00	1,800.00	-1,695.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
1,900.00	0.00	0.00	1,900.00	-1,595.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
2,000.00	0.00	0.00	2,000.00	-1,495.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
2,100.00	0.00	0.00	2,100.00	-1,395.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
2,200.00	0.00	0.00	2,200.00	-1,295.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
2,300.00	0.00	0.00	2,300.00	-1,195.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
2,400.00	0.00	0.00	2,400.00	-1,095.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
2,500.00	0.00	0.00	2,500.00	-995.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
2,600.00	0.00	0.00	2,600.00	-895.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #8H
Project:	Eddy County	**TVD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Site:	Aldabra "26" Fed	**MD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Well:	#8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
2,700.00	0.00	0.00	2,700.00	-795.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
2,800.00	0.00	0.00	2,800.00	-695.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
2,900.00	0.00	0.00	2,900.00	-595.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
3,000.00	0.00	0.00	3,000.00	-495.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
3,100.00	0.00	0.00	3,100.00	-395.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
3,200.00	0.00	0.00	3,200.00	-295.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
3,300.00	0.00	0.00	3,300.00	-195.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
3,400.00	0.00	0.00	3,400.00	-95.60	0.00	0.00	0.00	0.00	462,150.34	724,266.82
3,500.00	0.00	0.00	3,500.00	4.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
3,600.00	0.00	0.00	3,600.00	104.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
3,700.00	0.00	0.00	3,700.00	204.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
3,800.00	0.00	0.00	3,800.00	304.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
3,900.00	0.00	0.00	3,900.00	404.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
4,000.00	0.00	0.00	4,000.00	504.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
4,100.00	0.00	0.00	4,100.00	604.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
4,200.00	0.00	0.00	4,200.00	704.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
4,300.00	0.00	0.00	4,300.00	804.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
4,400.00	0.00	0.00	4,400.00	904.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
4,500.00	0.00	0.00	4,500.00	1,004.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
4,600.00	0.00	0.00	4,600.00	1,104.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
4,700.00	0.00	0.00	4,700.00	1,204.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
4,800.00	0.00	0.00	4,800.00	1,304.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
4,900.00	0.00	0.00	4,900.00	1,404.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
5,000.00	0.00	0.00	5,000.00	1,504.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
5,100.00	0.00	0.00	5,100.00	1,604.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
5,200.00	0.00	0.00	5,200.00	1,704.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
5,300.00	0.00	0.00	5,300.00	1,804.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #8H
Project:	Eddy County	**TVD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Site:	Aldabra "26" Fed	**MD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Well:	#8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
5,400.00	0.00	0.00	5,400.00	1,904.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
5,500.00	0.00	0.00	5,500.00	2,004.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
5,600.00	0.00	0.00	5,600.00	2,104.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
5,700.00	0.00	0.00	5,700.00	2,204.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
5,800.00	0.00	0.00	5,800.00	2,304.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
5,900.00	0.00	0.00	5,900.00	2,404.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
6,000.00	0.00	0.00	6,000.00	2,504.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
6,100.00	0.00	0.00	6,100.00	2,604.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
6,200.00	0.00	0.00	6,200.00	2,704.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
6,300.00	0.00	0.00	6,300.00	2,804.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
6,400.00	0.00	0.00	6,400.00	2,904.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
6,500.00	0.00	0.00	6,500.00	3,004.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
6,600.00	0.00	0.00	6,600.00	3,104.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
6,700.00	0.00	0.00	6,700.00	3,204.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
6,800.00	0.00	0.00	6,800.00	3,304.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
6,900.00	0.00	0.00	6,900.00	3,404.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
7,000.00	0.00	0.00	7,000.00	3,504.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
7,100.00	0.00	0.00	7,100.00	3,604.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
7,200.00	0.00	0.00	7,200.00	3,704.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
7,300.00	0.00	0.00	7,300.00	3,804.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
7,400.00	0.00	0.00	7,400.00	3,904.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
7,500.00	0.00	0.00	7,500.00	4,004.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
7,600.00	0.00	0.00	7,600.00	4,104.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
7,700.00	0.00	0.00	7,700.00	4,204.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
7,800.00	0.00	0.00	7,800.00	4,304.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
7,900.00	0.00	0.00	7,900.00	4,404.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
8,000.00	0.00	0.00	8,000.00	4,504.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #8H
Project:	Eddy County	**TVD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Site:	Aldabra "26" Fed	**MD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Well:	#8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
8,100.00	0.00	0.00	8,100.00	4,604.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
8,200.00	0.00	0.00	8,200.00	4,704.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
8,300.00	0.00	0.00	8,300.00	4,804.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
8,400.00	0.00	0.00	8,400.00	4,904.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
8,505.00	0.00	0.00	8,505.00	5,009.40	0.00	0.00	0.00	0.00	462,150.34	724,266.82
8,550.00	4.96	0.04	8,549.94	5,054.34	1.95	0.00	1.95	11.02	462,152.29	724,266.82
8,600.00	10.47	0.04	8,599.47	5,103.87	8.65	0.01	8.65	11.02	462,158.99	724,266.83
8,650.00	15.98	0.04	8,648.13	5,152.53	20.09	0.01	20.09	11.02	462,170.43	724,266.83
8,700.00	21.49	0.04	8,695.46	5,199.86	36.14	0.03	36.14	11.02	462,186.48	724,266.85
8,750.00	27.00	0.04	8,741.04	5,245.44	56.66	0.04	56.66	11.02	462,207.00	724,266.86
8,800.00	32.50	0.04	8,784.43	5,288.83	81.46	0.06	81.46	11.02	462,231.80	724,266.88
8,850.00	38.01	0.04	8,825.24	5,329.64	110.31	0.08	110.31	11.02	462,260.65	724,266.90
8,900.00	43.52	0.04	8,863.09	5,367.49	142.95	0.10	142.95	11.02	462,293.29	724,266.92
8,950.00	49.03	0.04	8,897.64	5,402.04	179.07	0.13	179.07	11.02	462,329.41	724,266.95
9,000.00	54.54	0.04	8,928.56	5,432.96	218.34	0.15	218.34	11.02	462,368.68	724,266.97
9,050.00	60.05	0.04	8,955.56	5,459.96	260.40	0.18	260.40	11.02	462,410.74	724,267.00
9,100.00	65.56	0.04	8,978.40	5,482.80	304.85	0.21	304.85	11.02	462,455.19	724,267.03
9,150.00	71.07	0.04	8,996.87	5,501.27	351.30	0.25	351.30	11.02	462,501.64	724,267.07
9,200.00	76.58	0.04	9,010.80	5,515.20	399.30	0.28	399.30	11.02	462,549.64	724,267.10
9,250.00	82.09	0.04	9,020.05	5,524.45	448.41	0.31	448.41	11.02	462,598.75	724,267.13
9,300.00	87.60	0.04	9,024.54	5,528.94	498.19	0.35	498.19	11.02	462,648.53	724,267.17
9,321.81	90.00	0.04	9,025.00	5,529.40	520.00	0.36	520.00	11.02	462,670.34	724,267.18
9,322.10	90.00	0.05	9,025.00	5,529.40	520.28	0.36	520.28	2.00	462,670.62	724,267.18
9,400.00	90.00	0.05	9,025.00	5,529.40	598.19	0.43	598.19	0.00	462,748.53	724,267.25
9,500.00	90.00	0.05	9,025.00	5,529.40	698.19	0.50	698.19	0.00	462,848.53	724,267.32
9,600.00	90.00	0.05	9,025.00	5,529.40	798.19	0.58	798.19	0.00	462,948.53	724,267.40
9,700.00	90.00	0.05	9,025.00	5,529.40	898.19	0.66	898.19	0.00	463,048.53	724,267.48

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #8H
Project:	Eddy County	**TVD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Site:	Aldabra "26" Fed	**MD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Well:	#8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
9,800.00	90.00	0.05	9,025.00	5,529.40	998.19	0.74	998.19	0.00	463,148.53	724,267.56
9,900.00	90.00	0.05	9,025.00	5,529.40	1,098.19	0.82	1,098.19	0.00	463,248.53	724,267.64
10,000.00	90.00	0.05	9,025.00	5,529.40	1,198.19	0.90	1,198.19	0.00	463,348.53	724,267.72
10,100.00	90.00	0.05	9,025.00	5,529.40	1,298.19	0.98	1,298.19	0.00	463,448.53	724,267.80
10,200.00	90.00	0.05	9,025.00	5,529.40	1,398.19	1.06	1,398.19	0.00	463,548.53	724,267.88
10,300.00	90.00	0.05	9,025.00	5,529.40	1,498.19	1.14	1,498.19	0.00	463,648.53	724,267.96
10,400.00	90.00	0.05	9,025.00	5,529.40	1,598.19	1.22	1,598.19	0.00	463,748.53	724,268.04
10,500.00	90.00	0.05	9,025.00	5,529.40	1,698.19	1.30	1,698.19	0.00	463,848.53	724,268.12
10,600.00	90.00	0.05	9,025.00	5,529.40	1,798.19	1.38	1,798.19	0.00	463,948.53	724,268.20
10,700.00	90.00	0.05	9,025.00	5,529.40	1,898.19	1.46	1,898.19	0.00	464,048.53	724,268.28
10,800.00	90.00	0.05	9,025.00	5,529.40	1,998.19	1.54	1,998.19	0.00	464,148.53	724,268.36
10,900.00	90.00	0.05	9,025.00	5,529.40	2,098.19	1.62	2,098.19	0.00	464,248.53	724,268.44
11,000.00	90.00	0.05	9,025.00	5,529.40	2,198.19	1.70	2,198.19	0.00	464,348.53	724,268.52
11,100.00	90.00	0.05	9,025.00	5,529.40	2,298.19	1.78	2,298.19	0.00	464,448.53	724,268.60
11,200.00	90.00	0.05	9,025.00	5,529.40	2,398.19	1.86	2,398.19	0.00	464,548.53	724,268.68
11,300.00	90.00	0.05	9,025.00	5,529.40	2,498.19	1.94	2,498.19	0.00	464,648.53	724,268.76
11,400.00	90.00	0.05	9,025.00	5,529.40	2,598.19	2.02	2,598.19	0.00	464,748.53	724,268.84
11,500.00	90.00	0.05	9,025.00	5,529.40	2,698.19	2.10	2,698.19	0.00	464,848.53	724,268.92
11,600.00	90.00	0.05	9,025.00	5,529.40	2,798.19	2.18	2,798.19	0.00	464,948.53	724,269.00
11,700.00	90.00	0.05	9,025.00	5,529.40	2,898.19	2.26	2,898.19	0.00	465,048.53	724,269.08
11,800.00	90.00	0.05	9,025.00	5,529.40	2,998.18	2.34	2,998.19	0.00	465,148.52	724,269.16
11,900.00	90.00	0.05	9,025.00	5,529.40	3,098.18	2.42	3,098.19	0.00	465,248.52	724,269.24
12,000.00	90.00	0.05	9,025.00	5,529.40	3,198.18	2.50	3,198.19	0.00	465,348.52	724,269.32
12,100.00	90.00	0.05	9,025.00	5,529.40	3,298.18	2.58	3,298.19	0.00	465,448.52	724,269.40
12,200.00	90.00	0.05	9,025.00	5,529.40	3,398.18	2.66	3,398.19	0.00	465,548.52	724,269.48
12,300.00	90.00	0.05	9,025.00	5,529.40	3,498.18	2.74	3,498.19	0.00	465,648.52	724,269.56
12,400.00	90.00	0.05	9,025.00	5,529.40	3,598.18	2.82	3,598.19	0.00	465,748.52	724,269.64

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #8H
Project:	Eddy County	**TVD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Site:	Aldabra "26" Fed	**MD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Well:	#8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
12,500.00	90.00	0.05	9,025.00	5,529.40	3,698.18	2.89	3,698.19	0.00	465,848.52	724,269.71
12,600.00	90.00	0.05	9,025.00	5,529.40	3,798.18	2.97	3,798.19	0.00	465,948.52	724,269.79
12,700.00	90.00	0.05	9,025.00	5,529.40	3,898.18	3.05	3,898.19	0.00	466,048.52	724,269.87
12,800.00	90.00	0.05	9,025.00	5,529.40	3,998.18	3.13	3,998.19	0.00	466,148.52	724,269.95
12,900.00	90.00	0.05	9,025.00	5,529.40	4,098.18	3.21	4,098.19	0.00	466,248.52	724,270.03
13,000.00	90.00	0.05	9,025.00	5,529.40	4,198.18	3.29	4,198.19	0.00	466,348.52	724,270.11
13,100.00	90.00	0.05	9,025.00	5,529.40	4,298.18	3.37	4,298.19	0.00	466,448.52	724,270.19
13,200.00	90.00	0.05	9,025.00	5,529.40	4,398.18	3.45	4,398.19	0.00	466,548.52	724,270.27
13,300.00	90.00	0.05	9,025.00	5,529.40	4,498.18	3.53	4,498.19	0.00	466,648.52	724,270.35
13,400.00	90.00	0.05	9,025.00	5,529.40	4,598.18	3.61	4,598.19	0.00	466,748.52	724,270.43
13,500.00	90.00	0.05	9,025.00	5,529.40	4,698.18	3.69	4,698.19	0.00	466,848.52	724,270.51
13,600.00	90.00	0.05	9,025.00	5,529.40	4,798.18	3.77	4,798.19	0.00	466,948.52	724,270.59
13,700.00	90.00	0.05	9,025.00	5,529.40	4,898.18	3.85	4,898.19	0.00	467,048.52	724,270.67
13,800.00	90.00	0.05	9,025.00	5,529.40	4,998.18	3.93	4,998.19	0.00	467,148.52	724,270.75
13,900.00	90.00	0.05	9,025.00	5,529.40	5,098.18	4.01	5,098.19	0.00	467,248.52	724,270.83
14,000.00	90.00	0.05	9,025.00	5,529.40	5,198.18	4.09	5,198.19	0.00	467,348.52	724,270.91
14,100.00	90.00	0.05	9,025.00	5,529.40	5,298.18	4.17	5,298.19	0.00	467,448.52	724,270.99
14,200.00	90.00	0.05	9,025.00	5,529.40	5,398.18	4.25	5,398.19	0.00	467,548.52	724,271.07
14,300.00	90.00	0.05	9,025.00	5,529.40	5,498.18	4.33	5,498.19	0.00	467,648.52	724,271.15
14,400.00	90.00	0.05	9,025.00	5,529.40	5,598.18	4.41	5,598.19	0.00	467,748.52	724,271.23
14,500.00	90.00	0.05	9,025.00	5,529.40	5,698.18	4.49	5,698.19	0.00	467,848.52	724,271.31
14,600.00	90.00	0.05	9,025.00	5,529.40	5,798.18	4.57	5,798.19	0.00	467,948.52	724,271.39
14,700.00	90.00	0.05	9,025.00	5,529.40	5,898.18	4.65	5,898.19	0.00	468,048.52	724,271.47
14,800.00	90.00	0.05	9,025.00	5,529.40	5,998.18	4.73	5,998.19	0.00	468,148.52	724,271.55
14,900.00	90.00	0.05	9,025.00	5,529.40	6,098.18	4.81	6,098.19	0.00	468,248.52	724,271.63
15,000.00	90.00	0.05	9,025.00	5,529.40	6,198.18	4.89	6,198.19	0.00	468,348.52	724,271.71
15,100.00	90.00	0.05	9,025.00	5,529.40	6,298.18	4.97	6,298.19	0.00	468,448.52	724,271.79

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #8H
Project:	Eddy County	**TVD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Site:	Aldabra "26" Fed	**MD Reference:**	WELL @ 3495.60ft (25' KB Correction)
Well:	#8H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
15,200.00	90.00	0.05	9,025.00	5,529.40	6,398.18	5.05	6,398.19	0.00	468,548.52	724,271.87
15,300.00	90.00	0.05	9,025.00	5,529.40	6,498.18	5.13	6,498.19	0.00	468,648.52	724,271.95
15,400.00	90.00	0.05	9,025.00	5,529.40	6,598.18	5.21	6,598.19	0.00	468,748.52	724,272.03
15,500.00	90.00	0.05	9,025.00	5,529.40	6,698.18	5.28	6,698.19	0.00	468,848.52	724,272.10
15,600.00	90.00	0.05	9,025.00	5,529.40	6,798.18	5.36	6,798.19	0.00	468,948.52	724,272.18
15,700.00	90.00	0.05	9,025.00	5,529.40	6,898.18	5.44	6,898.19	0.00	469,048.52	724,272.26
15,800.00	90.00	0.05	9,025.00	5,529.40	6,998.18	5.52	6,998.19	0.00	469,148.52	724,272.34
15,900.00	90.00	0.05	9,025.00	5,529.40	7,098.18	5.60	7,098.19	0.00	469,248.52	724,272.42
16,000.00	90.00	0.05	9,025.00	5,529.40	7,198.18	5.68	7,198.19	0.00	469,348.52	724,272.50
16,100.00	90.00	0.05	9,025.00	5,529.40	7,298.18	5.76	7,298.19	0.00	469,448.52	724,272.58
16,200.00	90.00	0.05	9,025.00	5,529.40	7,398.18	5.84	7,398.19	0.00	469,548.52	724,272.66
16,300.00	90.00	0.05	9,025.00	5,529.40	7,498.18	5.92	7,498.19	0.00	469,648.52	724,272.74
16,334.83	90.00	0.05	9,025.00	5,529.40	7,533.01	5.95	7,533.01	0.00	469,683.35	724,272.77

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL(ALD26#8) - plan hits target center - Point	0.00	0.00	9,025.00	7,533.01	5.95	469,683.350	724,272.770	32° 17' 23.444 N	103° 44' 28.793 W
Heal TGT(ALD26#8) - plan misses target center by 59.49ft at 9122.06ft MD (8987.10 TVD, 325.12 N, 0.23 E) - Point	0.00	0.00	9,025.00	310.02	43.53	462,460.360	724,310.350	32° 16' 11.967 N	103° 44' 28.820 W

Checked By: _____ Approved By: _____ Date: _____

NOTES REGARDING BLOWOUT PREVENTERS
Devon Energy Production Company, LP
Aldabra 26 Fed Com 8H
Surface Location: 350' FSL & 445' FEL, Unit P, Sec 26 T23S R31E, Eddy, NM
Bottom Hole Location: 2600' FSL & 400' FEL, Unit I, Sec 23 T23S R31E, Eddy, NM

1. Drilling nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOP bore.

2. Wear ring will be properly installed in head.

3. Blowout preventer and all associated fittings will be in operable condition to withstand a minimum 3000 psi working pressure.

4. All fittings will be flanged.

5. A full bore safety valve tested to a minimum 3000 psi WP with proper thread connections will be available on the rotary rig floor at all times.

6. All choke lines will be anchored to prevent movement.

7. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.

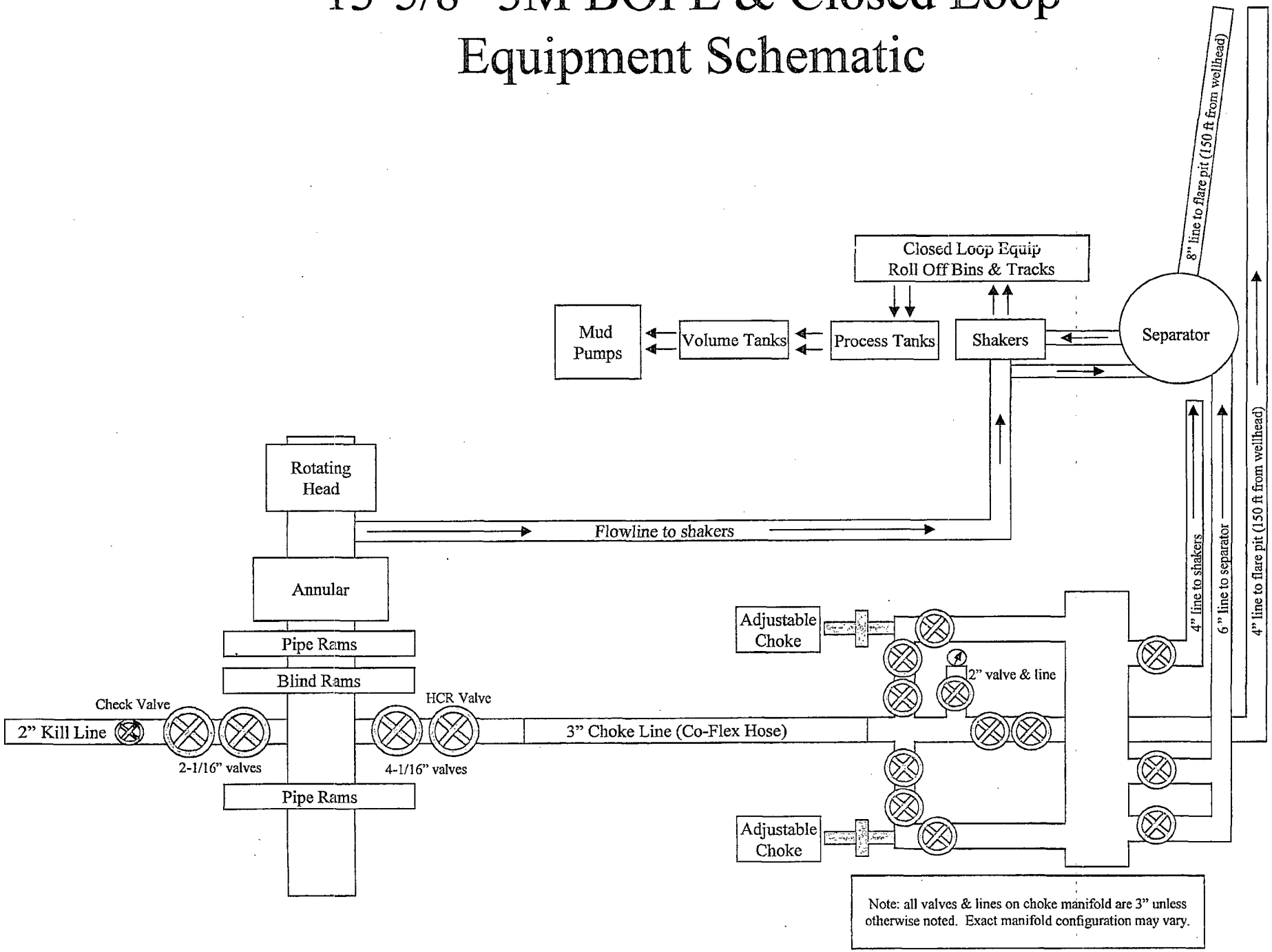
8. Will maintain a kelly cock attached to the kelly.

9. Hand wheels and wrenches will be properly installed and tested for safe operation.

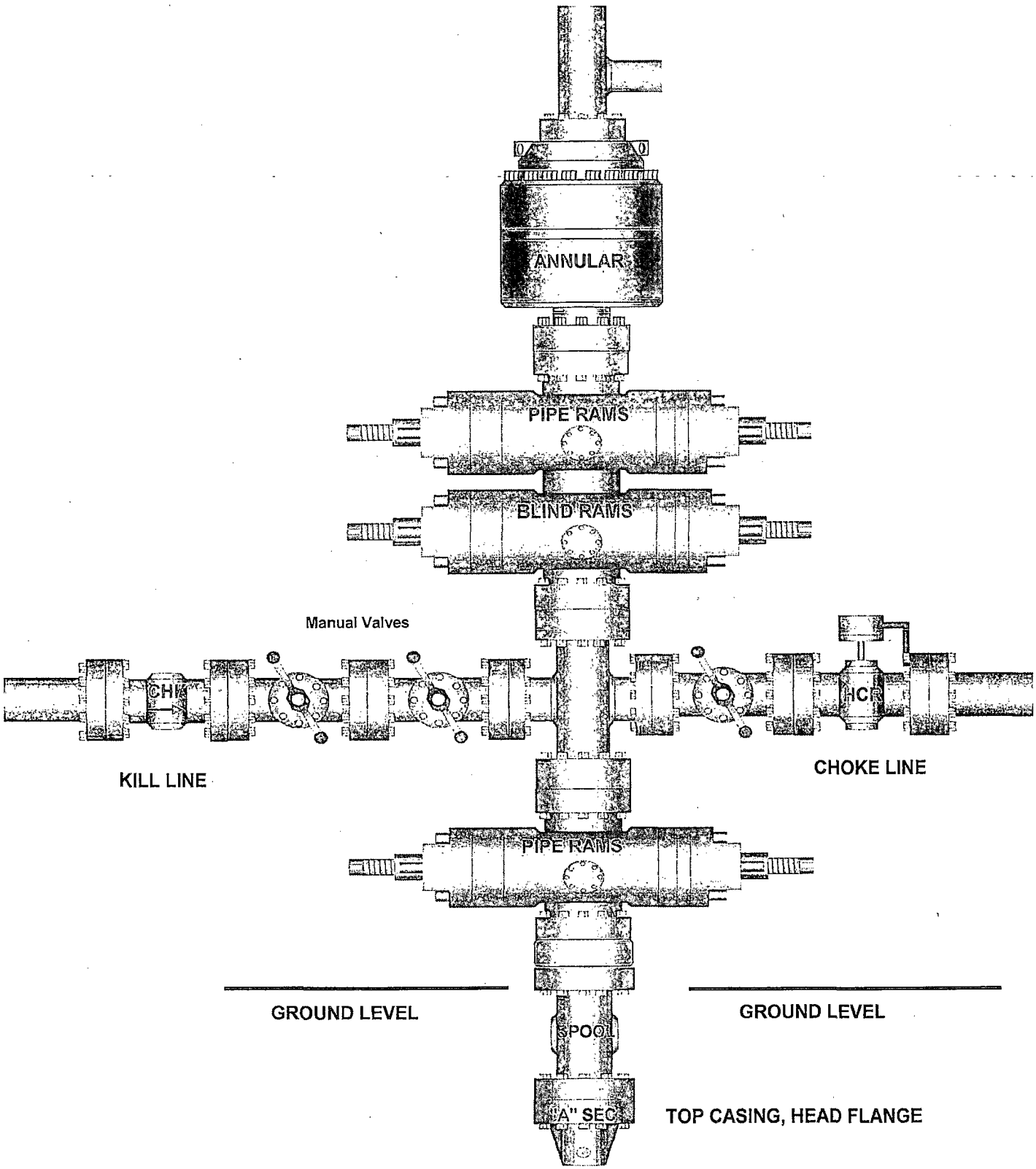
10. Hydraulic floor control for blowout preventer will be located as near in proximity to driller's controls as possible.

11. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.

13-5/8" 3M BOPE & Closed Loop Equipment Schematic



13-5/8" x 3,000 psi BOP Stack



L:\Western\Drilling\Wes Handley\Drawings\BOPS\BOPs.xls

Fluid Technology

ContiTech Beattie Corp.
Website: www.contitechbeattie.com

Monday, June 14, 2010

RE: Drilling & Production Hoses
Lifting & Safety Equipment

To Helmerich & Payne,

A Continental ContiTech hose assembly can perform as intended and suitable for the application regardless of whether the hose is secured or unsecured in its configuration. As a manufacturer of High Pressure Hose Assemblies for use in Drilling & Production, we do offer the corresponding lifting and safety equipment, this has the added benefit of easing the lifting and handling of each hose assembly whilst affording hose longevity by ensuring correct handling methods and procedures as well as securing the hose in the unlikely event of a failure; but in no way does the lifting and safety equipment affect the performance of the hoses providing the hoses have been handled and installed correctly. It is good practice to use lifting & safety equipment but not mandatory.

Should you have any questions or require any additional information/clarifications then please do not hesitate to contact us.

ContiTech Beattie is part of the Continental AG Corporation and can offer the full support resources associated with a global organization.

Best regards,

Robin Hodgson
Sales Manager
ContiTech Beattie Corp

ContiTech Beattie Corp,
11535 Brittmoore Park Drive,
Houston, TX 77041
Phone: +1 (832) 327-0141
Fax: +1 (832) 327-0148
www.contitechbeattie.com

Continental CONTITECH

Fluid Technology

Quality Document

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE

CERT. N°: 1713

PURCHASER:	ContiTech Beattie Co.	P.O. N°:	002808
CONTITECH ORDER N°:	426127	HOSE TYPE:	3" ID Choke and Kill Hose
HOSE SERIAL N°:	53622	NOMINAL / ACTUAL LENGTH:	10,67 m

W.P.	68,96	MPa	10000	psi	T.P. 103,4	MPa	15000	psi	Duration: 60	min.

Pressure test with water at ambient temperature

See attachment. (1 page)

↑ 10 mm = 10 Min.

→ 10 mm = 25 MPa

COUPLINGS Type	Serial N°	Quality	Heat N°
3" coupling with	5503 2029	AISI 4130	N1590P
4 1/16" Flange end		AISI 4130	27566

INFOCHIP INSTALLED

API Spec 16 C
Temperature rate:"B"

All metal parts are flawless

Hose conform to NACE MR 01-75

WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.

STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.

COUNTRY OF ORIGIN HUNGARY/EU

Date:	Inspector	Quality Control
25. August. 2008		ContiTech Rubber Industrial Kft. Quality Control Dept.

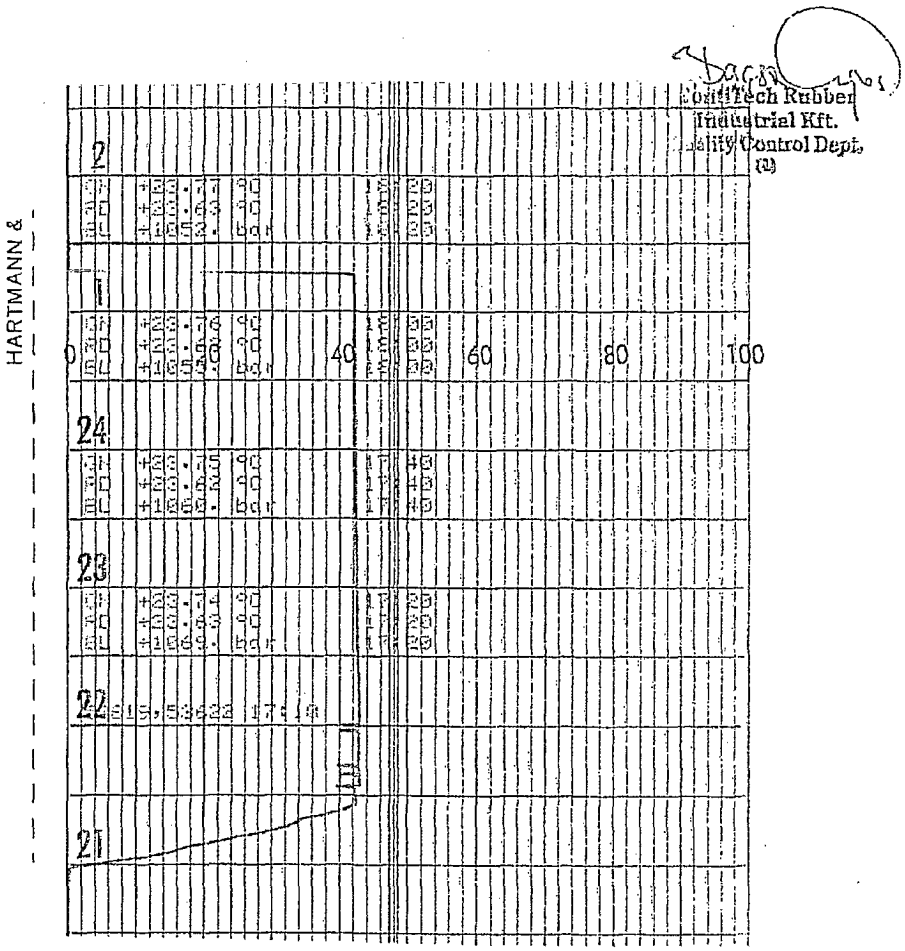
ContiTech Rubber Industrial Kft.
Budapesti út 10., Szeged H 6728
P.O.Box 152 Szeged H-6701
Hungary

Phone: +36 62 566 737
Fax: +36 62 566 738
e-mail: info@fluid.contitech.hu
Internet: www.contitech-rubber.hu

The Court of Csongrád County as Registry Court
Registry Court No: HU 06-09-002502
EU VAT No: HU11087209

Bank data
Commerzbank Zrt.
Szeged
14220108-25830003-00000000

ATTACHMENT OF QUALITY CONTROL INSPECTION AND TEST CERTIFICATE *No 1711,1713*



Cont-Tech Rubber
Industrial Kft.
Quality Control Dept.

DISTRICT I --- CHECKLIST FOR INTENTS TO DRILL

Operator DEVON ENERGY PROD CO LP OGRID # 6137
Well Name & # ALDABRA 26 FED # 7H Surface Type (F) (S) (P)
Location: UL P, Sect 26, Twnship 23 s, RNG 31 e, Sub-surface Type (F) (S) (P)
I – 23 – 23 – 31

A. Date C101 rec'd ____/____/____ C101 reviewed ____/____/____
B. 1. Check mark, Information is OK on Forms:
OGRID X, BONDING FED PROP CODE X, WELL # X, SIGNATURE ____
2. Inactive Well list as of : 3/30/14 # wells 1499, # Inactive wells 3
a. District Grant APD but see number of inactive wells:
No letter required X; Sent Letter to Operator ____, to Santa Fe ____
3. Additional Bonding as of: 3/30/14
a. District Denial because operator needs addition bonding:
No Letter required X; Sent Letter to Operator ____, To Santa Fe____
b. District Denial because of Inactive well list and Financial Assurance:
No Letter required X; Sent Letter to Operator ____, To Santa Fe ___

C. C102 YES X, ~~NO~~ ___, Signature X
1. Pool WILDCAT; BONE SPRING, Code 96403
a. Dedicated acreage 240, What Units 23: I/P; 26: A/H/P
b. SUR. Location Standard X; Non-Standard Location_____
c. Well shares acres: Yes X, No ___, # of wells ____ plus this well #____ #7H
2. 2nd. Operator in same acreage, Yes_____, No _____
Agreement Letter _____, Disagreement letter_____
3. Intent to Directional Drill Yes X, No ____
a. Dedicated acreage 240, What Units 23: I/P; 26: A/H/P
b. Bottomhole Location Standard _____, Non-Standard Bottomhole X
4. Downhole Commingle: Yes_____, No X
a. Pool #2_____,Code_____, Acres_____
Pool #3_____, Code _____, Acres _____
Pool #4_____, Code_____, Acres_____
5. POTASH Area Yes _____, No FED
D. Blowout Preventer Yes X, No _____,
E. H2S Yes X, No _____, Part of FED
F. C144 Pit Registration Yes _____, No X, need
G. Does APD require Santa Fe Approval:
1. Non-Standard Location: Yes X, No _____, NSL #_____
2. Non-Standard Proration: Yes_____, No X, NSP # _____
3. Simultaneous Dedication: Yes _____, No X, SD # _____
Number of wells _____ Plus #_____
4. Injection order Yes _____, No X; PMX #_____ or WFX #_____
5. SWD order Yes _____, NO X; SWD # _____
6. DHC from SF_____; DHC-HOB_____; Holding_____

7. OCD Approval Date 3/30/14 API #30-015-38624
8. Reviewers KB