OCD-ARTESIA

ATS-11-84
Secretary's Potash

Form 3160-3
(April 2004)

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

5. Lease Serial No. **NMNM 0544986**

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

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 25 Federal 5H** (38553)

2. Name of Operator **Devon Energy Production Company, LP** (6137)

9. API Well No. 30-015-38616

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 ~~Upper Bone Spring~~ 96403

4. Location of Well *(Report location clearly and in accordance with any State requirements.)*
At surface **200 FSL & 2360 FWL Unit N**
At proposed prod. zone **330 FNL & 2310 FEL Unit B**
NORTHODOX LOCATION
PP: 199 FSL & 2363 FWL

11. Sec., T. R. M. or Blk. and Survey or Area **SEC 25 T23S R31E**

14. Distance in miles and direction from nearest town or post office*
Approximately 20 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 drig. unit line, if any) **200'**

16. No. of acres in lease **600 Acres**

17. Spacing Unit dedicated to this well **W/2 E/2 160 Acres**

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. **See Attached Map**

19. Proposed Depth **13,934' MD 9110' TVD**

20. BLM/BIA Bond No. on file **CO-1104**

21. Elevations (Show whether DF, KDB, RT, GL, etc.) **3505' GL**

22. Approximate date work will start*

23. Estimated duration **45 days**

RECEIVED
MAR 16 2011
NMOCD ARTESIA

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 Judy A. Barnett — Name *(Printed Typed)* **Judy A. Barnett** — Date **10/27/2010**

Title **Regulatory Analyst**

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)

KZ 03/31/11

CARLSBAD CONTROLLED WATER BASIN

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

SEE ATTACHED FOR CONDITIONS OF APPROVAL

DRILLING PROGRAM

Devon Energy Production Company, LP

Aldabra 25 Federal 5H

Surface Location: 200' FSL & 2360' FWL, Unit N, Sec 25 T23S R31E, Eddy, NM

Bottom Hole Location: 330' FNL & 2310' FEL, Unit B Sec 25 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.	Rustler Dol	863'	
b.	Salado Salt	1192'	
c.	Base of Salt	4290'	
d.	Lamar	4520'	
e.	Bell Canyon	4561'	
f.	Cherry Canyon	5439'	
g.	Brushy Canyon	6698'	
h.	Avalon/Top of Bone Spring FM	8337'	Oil
Total Depth		13,934'	

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 900' and circulating cement back to surface. Fresh water sands will be protected by setting 9 5/8" casing at 4475' and circulating cement to surface. The Upper Bone Spring intervals will be isolated by setting 5 ½" casing to total depth and circulating cement above the base of the 9 5/8" casing. See COA

Casing Program: See COA

See COA

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
17 1/2"	0–900'	13 3/8"	0'-900'	48#	ST&C	H-40
12 ¼"	900–4475'	9 5/8"	0'-4475'	40#	LT&C	J-55
8 ¾"	4475-7500'	5 ½"	0'-7500'	17#	LT&C	HCP-110
8 ¾"	7500-13,934'	5 ½"	7500-13,934'	17#	BT&C	HCP-110

Design Parameter Factors:

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13 3/8"	1.88	4.22	7.67
9 5/8" 40#	1.23	1.71	2.92
5 ½" 17# LTC	2.13	3.03	1.92
5 ½" 17# BTC	1.77	2.53	5.25

See COA

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 1.23 for the 9-5/8" 40# J-55 LTC casing at a depth of 4,475 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.

3. **Cement Program:** * See COA - WAIT on Cement time

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

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**: 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

4590'

DV TOOL at 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 at 3,800'~~

See COA

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

The ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA.
The top of cement is designed to reach ~~approximately 500' above the 9-5/8" casing shoe~~. 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" 5M ~~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" 5M ~~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.

See COA

Proposed Mud Circulation System

Depth	Mud Wt.	Visc	Fluid Loss	Type System
0' – 900'	8.4-9.0	30-34	NC	FW
900'– 4475'	9.8-10.0	28-32	NC	Brine
4475'–13,934'	8.6–9.0	28-32	NC	FW

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:**

See COA

   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.

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 3350 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.

devon

Devon Energy, Inc.

Eddy County
Aldabra "25" Fed
#5H
OH

Plan: Plan #1

Pathfinder X & Y Planning Report

14 October, 2010

PATHFINDER®
A Schlumberger Company

devon

Project: Eddy County
Site: Aldabra "25" Fed
Well: #5H
Wellbore: OH
Plan: Plan #1 (#5H/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: 7.41°

Magnetic Field
Strength: 48725.8snT
Dip Angle: 60.24°
Date: 10/14/2010
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	8287.00	0.00	0.00	8287.00	0.00	0.00	0.00	0.00	0.00	
3	8712.69	46.83	106.80	8666.86	-47.55	157.46	11.00	106.80	-28.01	
4	9643.47	90.00	359.70	9110.00	463.56	606.23	11.00	-101.89	533.98	Heal TGT(ALD25#5)
5	13934.45	90.00	359.70	9110.00	4754.48	583.79	0.00	0.00	4790.19	PBHL(ALD25#5)

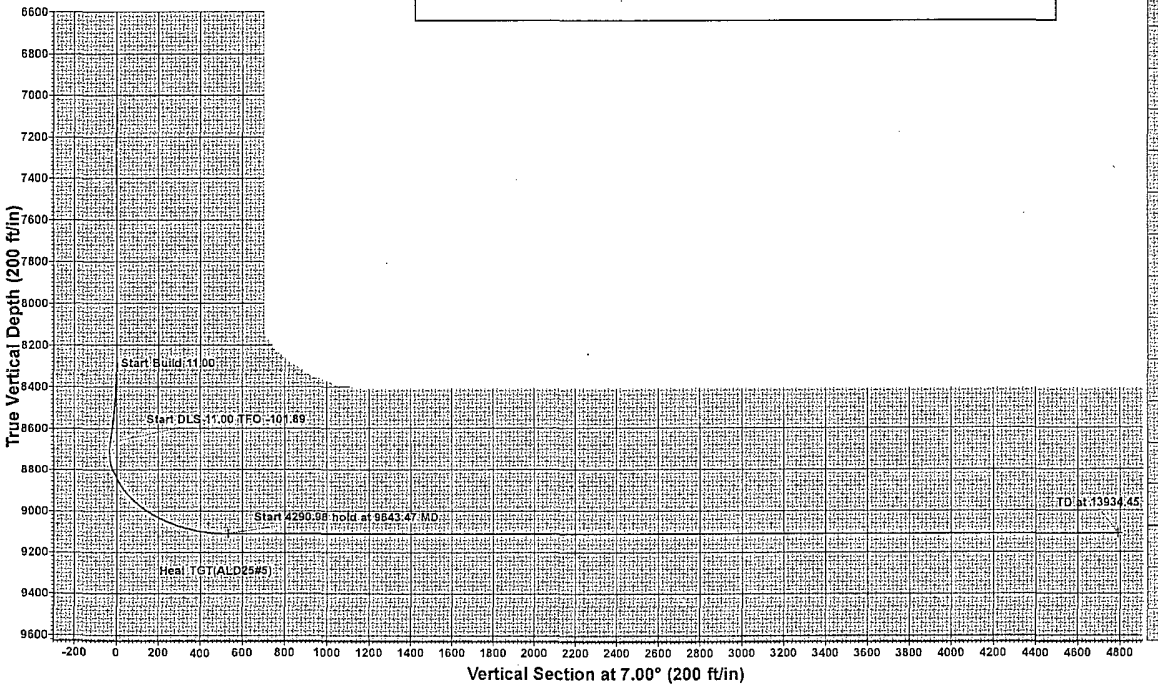
WELL DETAILS: #5H

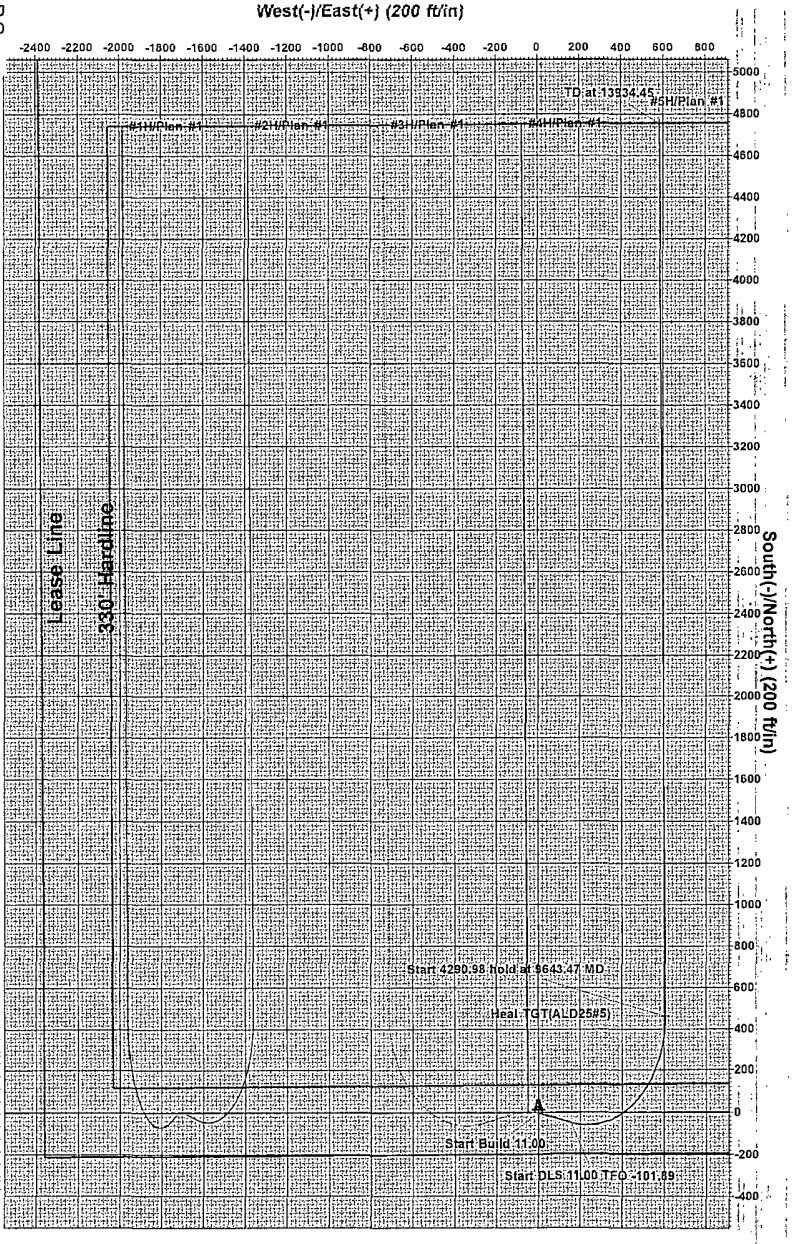
Ground Elevation:: 3505.30
RKB Elevation: WELL @ 3530.30ft (25' KB Correction)
Rig Name: 25' KB Correction

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	462015.520	727072.760	32° 16' 7.413 N	103° 43' 56.675 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Heal TGT(ALD25#5)	9110.00	463.56	606.23	462479.080	727678.990	Point
PBHL(ALD25#5)	9110.00	4754.48	583.79	466770.000	727656.550	Point





Plan: Plan #1 (#5H/OH)
Created By: Nate Bingham Date: 13:59, October 14 2010

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #5H
Project:	Eddy County	**TVD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Site:	Aldabra "25" Fed	**MD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Well:	#5H	**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 "25" Fed

Site Position:		**Northing:**	462,005.540 ft	**Latitude:**	32° 16' 7.410 N
From:	Map	**Easting:**	725,347.710 ft	**Longitude:**	103° 44' 16.767 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	"	**Grid Convergence:**	0.32 °

Well #5H

Well Position	**+N/-S**	0.00 ft	**Northing:**	462,015.520 ft	**Latitude:**	32° 16' 7.413 N
	+E/-W	0.00 ft	**Easting:**	727,072.760 ft	**Longitude:**	103° 43' 56.675 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	3,505.30 ft

Wellbore OH

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	10/14/10	7.73	60.24	48,726

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	7.00

Survey Tool Program Date 10/14/10

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
0.00	13,934.37	Plan #1 (OH)	Pathfinder	Pathfinder MWD

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #5H
Project:	Eddy County	**TVD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Site:	Aldabra "25" Fed	**MD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Well:	#5H	**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	-3,530.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
100.00	0.00	0.00	100.00	-3,430.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
200.00	0.00	0.00	200.00	-3,330.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
300.00	0.00	0.00	300.00	-3,230.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
400.00	0.00	0.00	400.00	-3,130.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
500.00	0.00	0.00	500.00	-3,030.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
600.00	0.00	0.00	600.00	-2,930.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
700.00	0.00	0.00	700.00	-2,830.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
800.00	0.00	0.00	800.00	-2,730.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
900.00	0.00	0.00	900.00	-2,630.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
1,000.00	0.00	0.00	1,000.00	-2,530.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
1,100.00	0.00	0.00	1,100.00	-2,430.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
1,200.00	0.00	0.00	1,200.00	-2,330.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
1,300.00	0.00	0.00	1,300.00	-2,230.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
1,400.00	0.00	0.00	1,400.00	-2,130.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
1,500.00	0.00	0.00	1,500.00	-2,030.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
1,600.00	0.00	0.00	1,600.00	-1,930.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
1,700.00	0.00	0.00	1,700.00	-1,830.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
1,800.00	0.00	0.00	1,800.00	-1,730.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
1,900.00	0.00	0.00	1,900.00	-1,630.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
2,000.00	0.00	0.00	2,000.00	-1,530.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
2,100.00	0.00	0.00	2,100.00	-1,430.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
2,200.00	0.00	0.00	2,200.00	-1,330.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
2,300.00	0.00	0.00	2,300.00	-1,230.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
2,400.00	0.00	0.00	2,400.00	-1,130.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
2,500.00	0.00	0.00	2,500.00	-1,030.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
2,600.00	0.00	0.00	2,600.00	-930.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #5H
Project:	Eddy County	**TVD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Site:	Aldabra "25" Fed	**MD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Well:	#5H	**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	-830.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
2,800.00	0.00	0.00	2,800.00	-730.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
2,900.00	0.00	0.00	2,900.00	-630.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
3,000.00	0.00	0.00	3,000.00	-530.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
3,100.00	0.00	0.00	3,100.00	-430.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
3,200.00	0.00	0.00	3,200.00	-330.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
3,300.00	0.00	0.00	3,300.00	-230.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
3,400.00	0.00	0.00	3,400.00	-130.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
3,500.00	0.00	0.00	3,500.00	-30.30	0.00	0.00	0.00	0.00	462,015.52	727,072.76
3,600.00	0.00	0.00	3,600.00	69.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
3,700.00	0.00	0.00	3,700.00	169.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
3,800.00	0.00	0.00	3,800.00	269.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
3,900.00	0.00	0.00	3,900.00	369.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
4,000.00	0.00	0.00	4,000.00	469.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
4,100.00	0.00	0.00	4,100.00	569.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
4,200.00	0.00	0.00	4,200.00	669.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
4,300.00	0.00	0.00	4,300.00	769.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
4,400.00	0.00	0.00	4,400.00	869.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
4,500.00	0.00	0.00	4,500.00	969.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
4,600.00	0.00	0.00	4,600.00	1,069.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
4,700.00	0.00	0.00	4,700.00	1,169.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
4,800.00	0.00	0.00	4,800.00	1,269.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
4,900.00	0.00	0.00	4,900.00	1,369.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
5,000.00	0.00	0.00	5,000.00	1,469.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
5,100.00	0.00	0.00	5,100.00	1,569.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
5,200.00	0.00	0.00	5,200.00	1,669.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
5,300.00	0.00	0.00	5,300.00	1,769.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #5H
Project:	Eddy County	**TVD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Site:	Aldabra "25" Fed	**MD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Well:	#5H	**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	1,869.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
5,500.00	0.00	0.00	5,500.00	1,969.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
5,600.00	0.00	0.00	5,600.00	2,069.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
5,700.00	0.00	0.00	5,700.00	2,169.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
5,800.00	0.00	0.00	5,800.00	2,269.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
5,900.00	0.00	0.00	5,900.00	2,369.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
6,000.00	0.00	0.00	6,000.00	2,469.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
6,100.00	0.00	0.00	6,100.00	2,569.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
6,200.00	0.00	0.00	6,200.00	2,669.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
6,300.00	0.00	0.00	6,300.00	2,769.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
6,400.00	0.00	0.00	6,400.00	2,869.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
6,500.00	0.00	0.00	6,500.00	2,969.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
6,600.00	0.00	0.00	6,600.00	3,069.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
6,700.00	0.00	0.00	6,700.00	3,169.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
6,800.00	0.00	0.00	6,800.00	3,269.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
6,900.00	0.00	0.00	6,900.00	3,369.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
7,000.00	0.00	0.00	7,000.00	3,469.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
7,100.00	0.00	0.00	7,100.00	3,569.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
7,200.00	0.00	0.00	7,200.00	3,669.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
7,300.00	0.00	0.00	7,300.00	3,769.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
7,400.00	0.00	0.00	7,400.00	3,869.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
7,500.00	0.00	0.00	7,500.00	3,969.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
7,600.00	0.00	0.00	7,600.00	4,069.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
7,700.00	0.00	0.00	7,700.00	4,169.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
7,800.00	0.00	0.00	7,800.00	4,269.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
7,900.00	0.00	0.00	7,900.00	4,369.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
8,000.00	0.00	0.00	8,000.00	4,469.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #5H
Project:	Eddy County	***TVD Reference:***	*WELL @ 3530.30ft (25' KB Correction)*
Site:	Aldabra "25" Fed	**MD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Well:	#5H	**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	4,569.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
8,200.00	0.00	0.00	8,200.00	4,669.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
8,287.00	0.00	0.00	8,287.00	4,756.70	0.00	0.00	0.00	0.00	462,015.52	727,072.76
8,300.00	1.43	106.80	8,300.00	4,769.70	-0.05	0.16	-0.03	11.00	462,015.47	727,072.92
8,350.00	6.93	106.80	8,349.85	4,819.55	-1.10	3.64	-0.65	11.00	462,014.42	727,076.40
8,400.00	12.43	106.80	8,399.12	4,868.82	-3.53	11.69	-2.08	11.00	462,011.99	727,084.45
8,450.00	17.93	106.80	8,447.35	4,917.05	-7.31	24.22	-4.31	11.00	462,008.21	727,096.98
8,500.00	23.43	106.80	8,494.11	4,963.81	-12.42	41.11	-7.31	11.00	462,003.10	727,113.87
8,550.00	28.93	106.80	8,538.97	5,008.67	-18.79	62.22	-11.07	11.00	461,996.73	727,134.98
8,600.00	34.43	106.80	8,581.50	5,051.20	-26.38	87.35	-15.54	11.00	461,989.14	727,160.11
8,650.00	39.93	106.80	8,621.32	5,091.02	-35.11	116.27	-20.68	11.00	461,980.41	727,189.03
8,700.00	45.43	106.80	8,658.07	5,127.77	-44.90	148.70	-26.45	11.00	461,970.62	727,221.46
8,712.69	46.83	106.80	8,666.86	5,136.56	-47.55	157.46	-28.01	11.00	461,967.97	727,230.22
8,750.00	46.11	101.23	8,692.57	5,162.27	-54.10	183.68	-31.32	11.00	461,961.42	727,256.44
8,800.00	45.60	93.59	8,727.42	5,197.12	-58.73	219.21	-31.58	11.00	461,956.79	727,291.97
8,850.00	45.59	85.89	8,762.43	5,232.13	-58.57	254.88	-27.08	11.00	461,956.95	727,327.64
8,900.00	46.11	78.26	8,797.28	5,266.98	-53.62	290.36	-17.84	11.00	461,961.90	727,363.12
8,950.00	47.11	70.82	8,831.65	5,301.35	-43.93	325.32	-3.96	11.00	461,971.59	727,398.08
9,000.00	48.59	63.66	8,865.23	5,334.93	-29.58	359.45	14.44	11.00	461,985.94	727,432.21
9,050.00	50.48	56.88	8,897.70	5,367.40	-10.71	392.43	37.19	11.00	462,004.81	727,465.19
9,100.00	52.75	50.48	8,928.77	5,398.47	12.51	423.96	64.08	11.00	462,028.03	727,496.72
9,150.00	55.34	44.48	8,958.14	5,427.84	39.86	453.74	94.86	11.00	462,055.38	727,526.50
9,200.00	58.20	38.87	8,985.55	5,455.25	71.10	481.50	129.25	11.00	462,086.62	727,554.26
9,250.00	61.30	33.60	9,010.75	5,480.45	105.94	506.99	166.93	11.00	462,121.46	727,579.75
9,300.00	64.59	28.65	9,033.50	5,503.20	144.04	529.97	207.55	11.00	462,159.56	727,602.73
9,350.00	68.03	23.97	9,053.60	5,523.30	185.08	550.23	250.75	11.00	462,200.60	727,622.99
9,400.00	71.60	19.51	9,070.86	5,540.56	228.66	567.59	296.12	11.00	462,244.18	727,640.35

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #5H
Project:	Eddy County	**TVD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Site:	Aldabra "25" Fed	**MD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Well:	#5H	**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)
9,450.00	75.27	15.23	9,085.12	5,554.82	274.38	581.87	343.24	11.00	462,289.90	727,654.63
9,500.00	79.02	11.10	9,096.25	5,565.95	321.83	592.96	391.69	11.00	462,337.35	727,665.72
9,550.00	82.82	7.08	9,104.14	5,573.84	370.56	600.75	441.01	11.00	462,386.08	727,673.51
9,600.00	86.65	3.12	9,108.73	5,578.43	420.14	605.16	490.75	11.00	462,435.66	727,677.92
9,643.47	90.00	359.70	9,110.00	5,579.70	463.56	606.23	533.98	11.00	462,479.08	727,678.99
Heal TGT(ALD25#5)										
9,700.00	90.00	359.70	9,110.00	5,579.70	520.09	605.93	590.05	0.00	462,535.61	727,678.69
9,800.00	90.00	359.70	9,110.00	5,579.70	620.09	605.41	689.24	0.00	462,635.61	727,678.17
9,900.00	90.00	359.70	9,110.00	5,579.70	720.09	604.89	788.43	0.00	462,735.61	727,677.65
10,000.00	90.00	359.70	9,110.00	5,579.70	820.09	604.37	887.62	0.00	462,835.61	727,677.13
10,100.00	90.00	359.70	9,110.00	5,579.70	920.09	603.84	986.81	0.00	462,935.61	727,676.60
10,200.00	90.00	359.70	9,110.00	5,579.70	1,020.08	603.32	1,086.00	0.00	463,035.60	727,676.08
10,300.00	90.00	359.70	9,110.00	5,579.70	1,120.08	602.80	1,185.19	0.00	463,135.60	727,675.56
10,400.00	90.00	359.70	9,110.00	5,579.70	1,220.08	602.27	1,284.38	0.00	463,235.60	727,675.03
10,500.00	90.00	359.70	9,110.00	5,579.70	1,320.08	601.75	1,383.57	0.00	463,335.60	727,674.51
10,600.00	90.00	359.70	9,110.00	5,579.70	1,420.08	601.23	1,482.76	0.00	463,435.60	727,673.99
10,700.00	90.00	359.70	9,110.00	5,579.70	1,520.08	600.70	1,581.95	0.00	463,535.60	727,673.46
10,800.00	90.00	359.70	9,110.00	5,579.70	1,620.08	600.18	1,681.14	0.00	463,635.60	727,672.94
10,900.00	90.00	359.70	9,110.00	5,579.70	1,720.08	599.66	1,780.33	0.00	463,735.60	727,672.42
11,000.00	90.00	359.70	9,110.00	5,579.70	1,820.07	599.14	1,879.52	0.00	463,835.59	727,671.90
11,100.00	90.00	359.70	9,110.00	5,579.70	1,920.07	598.61	1,978.71	0.00	463,935.59	727,671.37
11,200.00	90.00	359.70	9,110.00	5,579.70	2,020.07	598.09	2,077.90	0.00	464,035.59	727,670.85
11,300.00	90.00	359.70	9,110.00	5,579.70	2,120.07	597.57	2,177.09	0.00	464,135.59	727,670.33
11,400.00	90.00	359.70	9,110.00	5,579.70	2,220.07	597.04	2,276.28	0.00	464,235.59	727,669.80
11,500.00	90.00	359.70	9,110.00	5,579.70	2,320.07	596.52	2,375.47	0.00	464,335.59	727,669.28
11,600.00	90.00	359.70	9,110.00	5,579.70	2,420.07	596.00	2,474.66	0.00	464,435.59	727,668.76
11,700.00	90.00	359.70	9,110.00	5,579.70	2,520.06	595.48	2,573.85	0.00	464,535.58	727,668.24

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #5H
Project:	Eddy County	**TVD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Site:	Aldabra "25" Fed	**MD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Well:	#5H	**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)
11,800.00	90.00	359.70	9,110.00	5,579.70	2,620.06	594.95	2,673.04	0.00	464,635.58	727,667.71
11,900.00	90.00	359.70	9,110.00	5,579.70	2,720.06	594.43	2,772.23	0.00	464,735.58	727,667.19
12,000.00	90.00	359.70	9,110.00	5,579.70	2,820.06	593.91	2,871.42	0.00	464,835.58	727,666.67
12,100.00	90.00	359.70	9,110.00	5,579.70	2,920.06	593.38	2,970.61	0.00	464,935.58	727,666.14
12,200.00	90.00	359.70	9,110.00	5,579.70	3,020.06	592.86	3,069.80	0.00	465,035.58	727,665.62
12,300.00	90.00	359.70	9,110.00	5,579.70	3,120.06	592.34	3,168.98	0.00	465,135.58	727,665.10
12,400.00	90.00	359.70	9,110.00	5,579.70	3,220.05	591.81	3,268.17	0.00	465,235.57	727,664.57
12,500.00	90.00	359.70	9,110.00	5,579.70	3,320.05	591.29	3,367.36	0.00	465,335.57	727,664.05
12,600.00	90.00	359.70	9,110.00	5,579.70	3,420.05	590.77	3,466.55	0.00	465,435.57	727,663.53
12,700.00	90.00	359.70	9,110.00	5,579.70	3,520.05	590.25	3,565.74	0.00	465,535.57	727,663.01
12,800.00	90.00	359.70	9,110.00	5,579.70	3,620.05	589.72	3,664.93	0.00	465,635.57	727,662.48
12,900.00	90.00	359.70	9,110.00	5,579.70	3,720.05	589.20	3,764.12	0.00	465,735.57	727,661.96
13,000.00	90.00	359.70	9,110.00	5,579.70	3,820.05	588.68	3,863.31	0.00	465,835.57	727,661.44
13,100.00	90.00	359.70	9,110.00	5,579.70	3,920.04	588.15	3,962.50	0.00	465,935.56	727,660.91
13,200.00	90.00	359.70	9,110.00	5,579.70	4,020.04	587.63	4,061.69	0.00	466,035.56	727,660.39
13,300.00	90.00	359.70	9,110.00	5,579.70	4,120.04	587.11	4,160.88	0.00	466,135.56	727,659.87
13,400.00	90.00	359.70	9,110.00	5,579.70	4,220.04	586.58	4,260.07	0.00	466,235.56	727,659.34
13,500.00	90.00	359.70	9,110.00	5,579.70	4,320.04	586.06	4,359.26	0.00	466,335.56	727,658.82
13,600.00	90.00	359.70	9,110.00	5,579.70	4,420.04	585.54	4,458.45	0.00	466,435.56	727,658.30
13,700.00	90.00	359.70	9,110.00	5,579.70	4,520.04	585.02	4,557.64	0.00	466,535.56	727,657.78
13,800.00	90.00	359.70	9,110.00	5,579.70	4,620.04	584.49	4,656.83	0.00	466,635.56	727,657.25
13,900.00	90.00	359.70	9,110.00	5,579.70	4,720.03	583.97	4,756.02	0.00	466,735.55	727,656.73
13,934.45	90.00	359.70	9,110.00	5,579.70	4,754.48	583.79	4,790.19	0.00	466,770.00	727,656.55
PBHL(ALD25#5)										

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #5H
Project:	Eddy County	**TVD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Site:	Aldabra "25" Fed	**MD Reference:**	WELL @ 3530.30ft (25' KB Correction)
Well:	#5H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

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
Heal TGT(ALD25#5) - plan hits target center - Point	0.00	0.00	9,110.00	463.56	606.23	462,479.080	727,678.990	32° 16' 11.967 N	103° 43' 49.584 W
PBHL(ALD25#5) - plan hits target center - Point	0.00	0.00	9,110.00	4,754.48	583.79	466,770.000	727,656.550	32° 16' 54.428 N	103° 43' 49.565 W

Checked By: _____ Approved By: _____ Date: _____

NOTES REGARDING BLOWOUT PREVENTERS
Devon Energy Production Company, LP
Aldabra 25 Federal 5H
Surface Location: 200' FSL & 2360' FWL, Unit N, Sec 25 T23S R31E, Eddy, NM
Bottom Hole Location: 330' FNL & 2310' FEL, Unit B Sec 25 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.

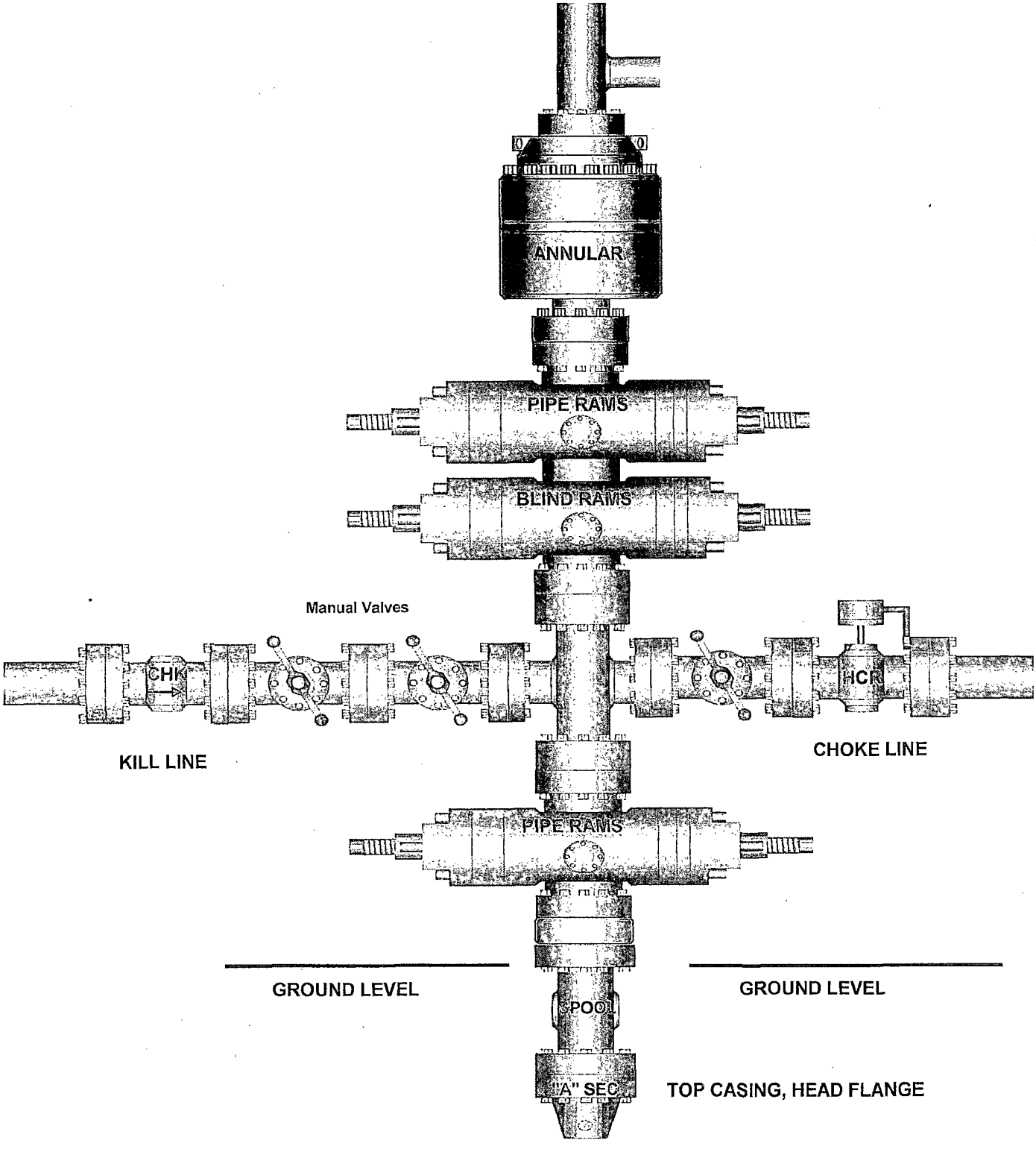
8. Will maintain a kelly cock attached to the kelly.

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.

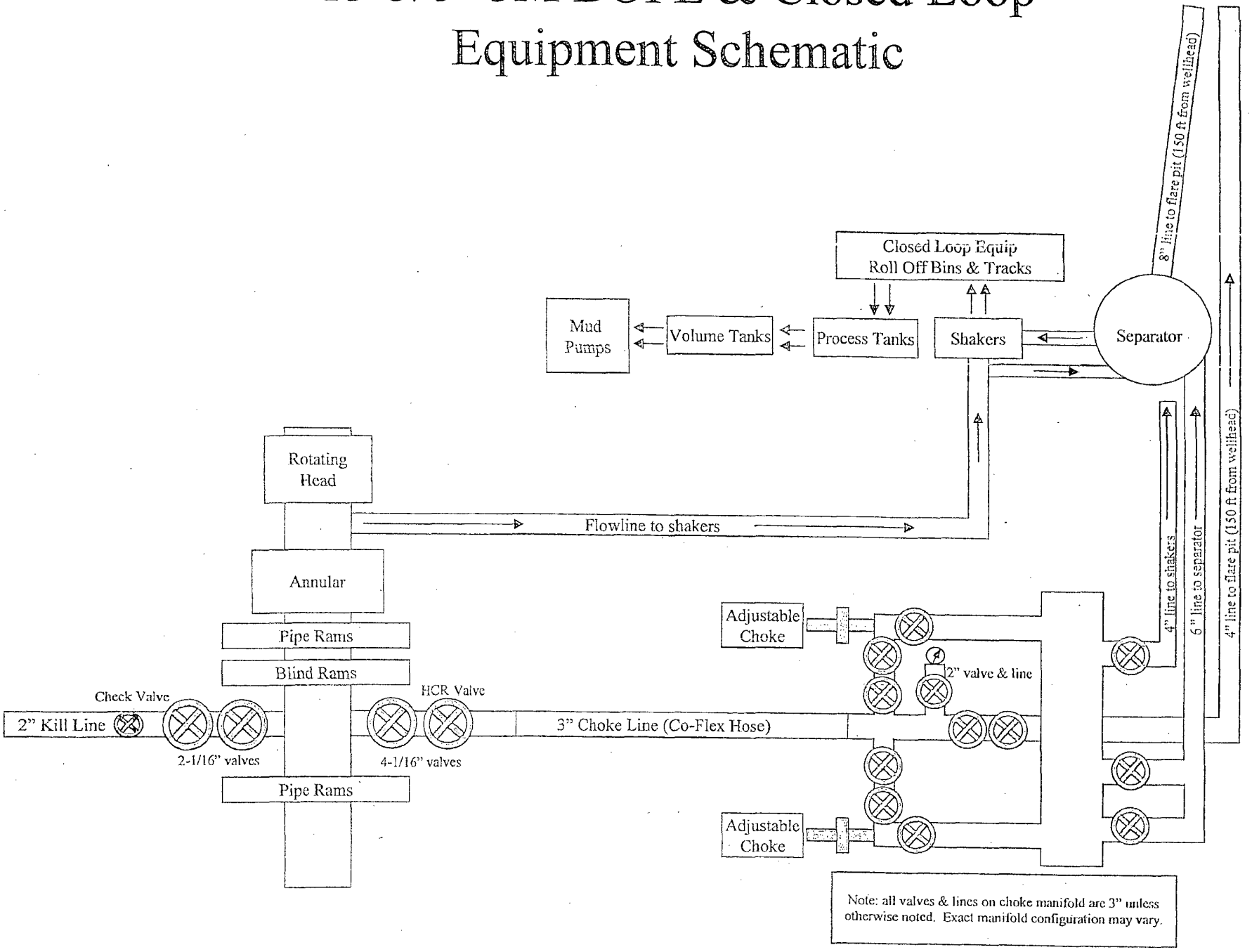
11. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.

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



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

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



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

PHOENIX

QUALITY DOCUMENT

PHOENIX RUBBER INDUSTRIAL LTD.

H-6728 Szeged, Budapesti út 10. Hungary • H-6701 Szeged, P. O. Box 152
Phone: (3662) 566-737 • Fax: (3662) 566-738

SALES & MARKETING: H-1092 Budapest, Ráday u. 42-44. Hungary • H-1440 Budapest, P. O. Box 26
Phone: (361) 456-4200 • Fax: (361) 217-2972, 456-4273 • www.taurusemerge.hu

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°:	555
PURCHASER:	Phoenix Beattie Co.			P.O. N°:	1519FA-871
PHOENIX RUBBER order N°:	170466	HOSE TYPE:	3" ID	Choke and Kill Hose	
HOSE SERIAL N°:	34137	NOMINAL / ACTUAL LENGTH:		11,43 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 = 16 MPa

COUPLINGS

Type	Serial N°	Quality	Heat N°
3" coupling with	714 715	AISI 4130	C7626
4 1/16" Flange end		AISI 4130	47357

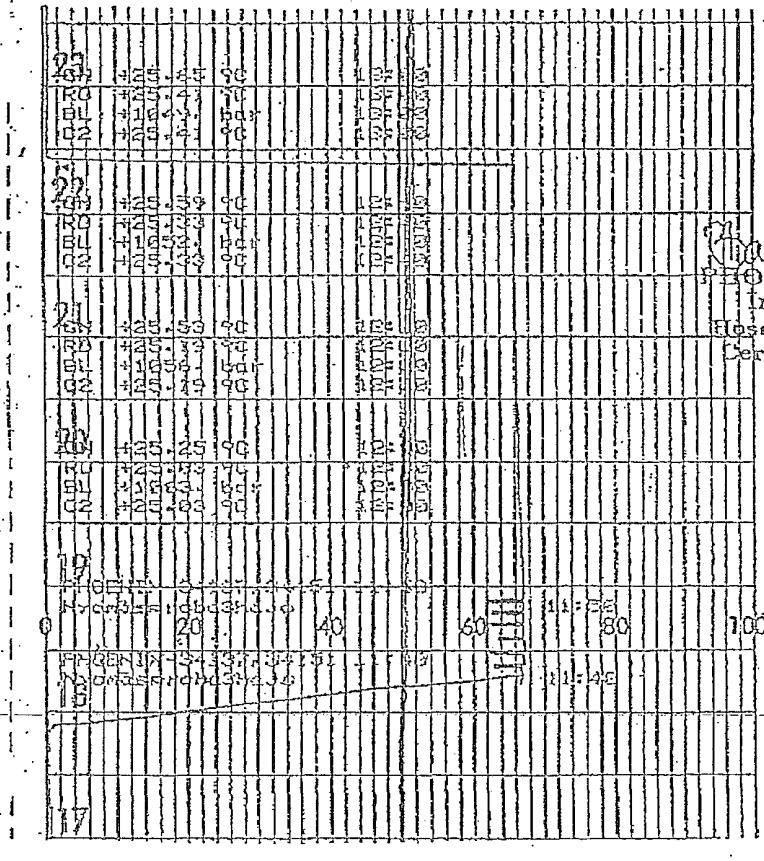
API Spec 16 C
Temperature rate:"B"

All metal parts are flawless

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

Date:	Inspector	Quality Control
30. April. 2002.		PHOENIX RUBBER Industrial Ltd. Hose Inspection and

Page: 1/1



PHOENIX RUBBER
Industrial Ltd.
Hose Inspection and
Certification Dept.

VERIFIED TRUE COPY
PHOENIX RUBBER C.S.

DISTRICT I --- CHECKLIST FOR INTENTS TO DRILL

Operator DEVON ENERGY PROD CO LP OGRID # 6137

38553 Well Name & # ALDABRA 25 FED #5H Surface Type (F) (S) (P)

Location: UL N, Sect 25, Twnship 23 s, RNG 31 e, Sub-surface Type (F) (S) (P)

B – 25 – 23 – 31

A. Date C101 rec'd ____/____/____ C101 reviewed ____/____/____

B. 1. Check mark, Information is OK on Forms:
OGRID X, BONDING ~~X~~ 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___, NO ___, Signature ____
1. Pool WILDCAT; BONE SPRING Code 96403
a. Dedicated acreage 160, What Units BGSO
b. SUR. Location Standard _____: Non-Standard Location X NP Standard L
c. Well shares acres: Yes X, No ___, # of wells ____ plus this well # ___ #6H
2. 2nd. Operator in same acreage, Yes____, No _____
Agreement Letter _____, Disagreement letter_____
3. Intent to Directional Drill Yes X, No ___
a. Dedicated acreage 160, What Units BGSO
b. Bottomhole Location Standard X, Non-Standard Bottomhole _____
4. Downhole Commingle: Yes_____, No X
a. Pool #2_____,Code_____, Acres_____
Pool #3_____, Code _____, Acres _____
Pool #4_____, Code_____, Acres_____
5. POTASH Area Yes _____, No _____,

D. Blowout Preventer Yes X, No _____,

E. H2S Yes X No _____, Plan Fed

F. C144 Pit Registration Yes _____, No X, need

G. Does APD require Santa Fe Approval:
1. Non-Standard Location: Yes _____, No X, 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 #30-015-38616
8. Reviewers KB