

OCD-ARTESIA

ATS-11-148

Form 3160-3  
(February 2005)

R-111-POTASH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

EA 230

5. Lease Serial No. **USA NMNM 0405444A, 0418220A** -SHL

6. If Indian, Allottee or Tribe Name

## APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☒ DRILL ☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone2. Name of Operator  
**Devon Energy Production Co., LP** (6137)3a. Address **20 North Broadway  
OKC, OK 73102**3b. Phone No. (include area code)  
**(405)-228-8973**

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

8. Lease Name and Well No.  
**Aldabra 27 Federal Com** (38460)9. API Well No.  
**SH 30-015-38629**

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface **SWSE 65' FSL & 1430' FEL (Unit O) Sec 27**At proposed prod. zone **NWSE 2600' FSL & 2310' FEL Unit J Sec 22 T23S R31E**10. Field and Pool, or Exploratory **WILDCAT, BONIE SPRING**  
**Ingle Wells, Avalon Shale** (26803)

11. Sec., T. R. M. or Blk. and Survey or Area

Sec 27 T23S R31E

14. Distance in miles and direction from nearest town or post office\*  
**Approximately 18 miles east of Loving, NM.**

12. County or Parish

**Eddy**

13. State

**NM**15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any)  
**65'**16. No. of acres in lease  
**1,240 ac & 720 ac**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  
**TVD 8900' MD 17,085'**20. BLM/BIA Bond No. on file  
**CO-1104**21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**3432' GL**22. Approximate date work will start\*  
**05/10/2011**23. Estimated duration  
**45 days**24. Attachments Well pad also contains: **Aldabra 27 Fed Com 6H + 7H**

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must 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 must 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  
BLM.

25. Signature

Name (Printed/Typed)  
**Spence Laird**

Date

**11/29/2010**

Title

**Regulatory Analyst**

Approved by (Signature)

**/s/ Jesse J. Juen**

Name (Printed/Typed)

**/s/ Jesse J. Juen**

Date

**MAR 11 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)

**RECEIVED****MAR 22 2011****NMOCD ARTESIA****KZ 03/31/11****CARLSBAD CONTROLLED WATER BASIN  
SEE ATTACHED FOR  
CONDITIONS OF APPROVAL****APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS  
AND SPECIAL STIPULATIONS  
ATTACHED**

OCD CONDITION OF APPROVAL of Drilling:

Intent to drill ONLY --- CANNOT produce until the Non-Standard  
Location has been approved by OCD Santa Fe office.

## DRILLING PROGRAM

Devon Energy Production Company, LP

### **Aldabra 27 Federal Com 5H**

Surface Location: 65' FSL & 1430' FEL, Unit O, Sec 27 T23S R31E, Eddy, NM

Bottom hole Location: 2600' FSL & 2310' FEL, Unit J, Sec 22 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                     | 578'  | Barren  |
| b. Salado Salt                 | 899'  | Barren  |
| c. Base of Salt                | 4082' | Barren  |
| d. Lamar                       | 4344' | Barren  |
| e. Bell Canyon                 | 4362' | Oil/Gas |
| f. Cherry Canyon               | 5246' | Oil/Gas |
| g. Brushy Canyon               | 6501' | Oil/Gas |
| h. Avalon/Top of Bone Spring   | 8175' | Oil/Gas |
| i. Primary Target Landing Zone | 8900' | Oil/Gas |

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 675' and circulating cement back to surface. The fresh water sands will be protected by setting 9 5/8" casing at 4325' and circulating cement to surface. The pay intervals will be isolated by setting 5 1/2" casing to total depth and circulating cement above the base of the 9 5/8" casing. All casing is new and API approved.

*See COA*

*See COA*

#### **3. 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 - 675              | 13-3/8"       | 0 - 675                | 48#           | STC           | H-40         |
| 12-1/4"          | 675 - 4,325          | 9-5/8"        | 0 - 4,325              | 40#           | LTC           | J-55         |
| 8-3/4"           | 4,325 - 7,500        | 5-1/2"        | 0 - 7,500              | 20#           | LTC           | HCP-110      |
| 8-3/4"           | 7,500 - 17,085       | 5-1/2"        | 7,500 - 17,085         | 17#           | BTC           | HCP-110      |

#### **Design Parameter Factors:**

| <u>Casing Size</u>    | <u>Collapse Design Factor</u> | <u>Burst Design Factor</u> | <u>Tension Design Factor</u> |
|-----------------------|-------------------------------|----------------------------|------------------------------|
| 13 3/8"               | 2.63                          | 5.91                       | 10.73                        |
| 9 5/8" 40# J-55 LTC   | 1.16                          | 1.79                       | 3.06                         |
| 5 1/2" 20# HCP110 LTC | 2.13                          | 3.03                       | 1.60                         |
| 5 1/2" 17# HCP110 LTC | 1.77                          | 2.53                       | 3.63                         |

4. Cement Program:

*\* see COA- WATON Cement*

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

**1<sup>st</sup> 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 at 6,000 ft**

**2<sup>nd</sup> 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**~~

**3<sup>rd</sup> Stage**

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

*See COA  
for DV-Tool  
& Cement*

*See  
COA*

8. **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.

9. **Potential Hazards:**

- a. No abnormal pressures or temperatures are expected. There is no known presence of H<sub>2</sub>S in this area; therefore, no H<sub>2</sub>S is anticipated to be encountered. If H<sub>2</sub>S 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°.

10. **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.

*See COA*

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.

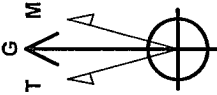
*See COA*

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.



Project: Eddy County  
Site: Aldabra "27" Fed  
Well: #5H  
Wellbore: OH  
Plan: Plan #1 (#5H/OH)

PROJECT DETAILS: Eddy County  
Geologic 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



Azimuths to Grid North  
True North: -0.30°  
Magnetic North: 7.43°  
Magnetic Field  
Strength: 48715.5snT  
Dip Angle: 60.23°  
Date: 11/11/2010  
Model: IGRF-200510

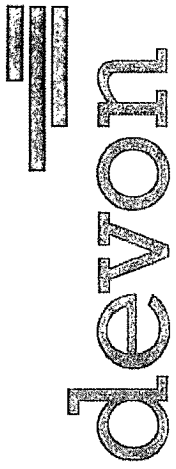


A Schlumberger Company

West(-)/East(+) (200 ft/in)

| SECTION DETAILS |          |       |        |         |         |         |       |        |         |
|-----------------|----------|-------|--------|---------|---------|---------|-------|--------|---------|
| Sec             | MD       | Inc   | Asi    | TVD     | +N/S    | +E/W    | Dip   | TFace  | Target  |
| 1               | 0.00     | 0.00  | 0.00   | 0.00    | 0.00    | 0.00    | 0.00  | 0.00   | 0.00    |
| 2               | 8401.74  | 0.00  | 0.00   | 8401.74 | 0.00    | 0.00    | 0.00  | 0.00   | 0.00    |
| 3               | 9184.68  | 90.01 | 281.92 | 8900.10 | 102.99  | -487.72 | 11.50 | 281.92 | 159.43  |
| 4               | 8861.11  | 90.00 | 359.69 | 8900.00 | 587.93  | -883.10 | 11.50 | 90.00  | 687.36  |
| 5               | 17085.25 | 90.00 | 359.69 | 8900.00 | 7811.97 | -921.74 | 0.00  | 0.00   | 7866.16 |

| WELL DETAILS: #5H                                   |  |  |  |  |
|-----------------------------------------------------|--|--|--|--|
| Ground Elevation: 3432.80                           |  |  |  |  |
| RKB Elevation: WELL @ 3457.60ft (25' KB Correction) |  |  |  |  |
| Rig Name: 25' KB Correction                         |  |  |  |  |
| Well Name: 25' KB Correction                        |  |  |  |  |
| Well ID: 25' KB Correction                          |  |  |  |  |
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| Well Production: 25' KB Correction                  |  |  |  |  |
| Well Injection: 25' KB Correction                   |  |  |  |  |
| Well Measurement: 25' KB Correction                 |  |  |  |  |
| Well Orientation: 25' KB Correction                 |  |  |  |  |
| Well Location: 25' KB Correction                    |  |  |  |  |
| Well Depth: 25' KB Correction                       |  |  |  |  |
| Well Type: 25' KB Correction                        |  |  |  |  |
| Well Status: 25' KB Correction                      |  |  |  |  |
| Well Completion: 25' KB Correction                  |  |  |  |  |
| Well Production: 25' KB Correction                  |  |  |  |  |
| Well Injection: 25' KB Correction                   |  |  |  |  |
| Well Measurement: 25' KB Correction                 |  |  |  |  |



**Devon Energy, Inc.**

Eddy County

Aldabra "27" Fed

#5H

OH

Plan: Plan #1

## Pathfinder X & Y Planning Report

11 November, 2010

**PATHFINDER<sup>®</sup>**

A Schlumberger Company



## Pathfinder

### Pathfinder X & Y Planning Report



A Schlumberger Company

Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "27" Fed  
Well: #5H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well #5H  
TVD Reference: WELL @ 3457.60ft (25' KB Correction)  
MD Reference: WELL @ 3457.60ft (25' KB Correction)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Midland Database

|             |                           |  |               |                |
|-------------|---------------------------|--|---------------|----------------|
| Project     | Eddy County               |  | System Datum: | Mean Sea Level |
| Map System: | US State Plane 1983       |  |               |                |
| Geo Datum:  | North American Datum 1983 |  |               |                |
| Map Zone:   | New Mexico Eastern Zone   |  |               |                |

|                       |                  |  |                   |                   |
|-----------------------|------------------|--|-------------------|-------------------|
| Site                  | Aldabra "27" Fed |  |                   |                   |
| Site Position:        |                  |  |                   |                   |
| From:                 | Map              |  | Northings:        | 461,950.580 ft    |
| Position Uncertainty: | 2.00 ft          |  | Easting:          | 714,427.100 ft    |
|                       |                  |  | Slot Radius:      | 6-1/8 "           |
|                       |                  |  | Latitude:         | 32° 16' 7.447 N   |
|                       |                  |  | Longitude:        | 103° 46' 23.961 W |
|                       |                  |  | Grid Convergence: | 0.30 °            |

|                      |       |         |                     |                   |
|----------------------|-------|---------|---------------------|-------------------|
| Well                 | #5H   |         |                     |                   |
| Well Position        | +N/-S | 0.00 ft | Northings:          | 461,838.170 ft    |
|                      | +E/-W | 0.00 ft | Easting:            | 718,004.610 ft    |
| Position Uncertainty |       | 0.00 ft | Wellhead Elevation: | ft                |
|                      |       |         | Latitude:           | 32° 16' 6.148 N   |
|                      |       |         | Longitude:          | 103° 45' 42.302 W |
|                      |       |         | Ground Level:       | 3,432.60 ft       |

|           |            |             |               |                     |
|-----------|------------|-------------|---------------|---------------------|
| Wellbore  | OH         |             |               |                     |
| Magnetics | Model Name | Sample Date | Dip Angle (°) | Field Strength (nT) |
|           | IGRF200510 | 11/11/10    | 7.74          | 60.23               |
|           |            |             |               | 48,716              |

|                   |                  |               |           |  |
|-------------------|------------------|---------------|-----------|--|
| Design            | Plan #1          |               |           |  |
| Audit Notes:      |                  |               |           |  |
| Version:          |                  |               |           |  |
| Vertical Section: | Phase:           | Tie On Depth: |           |  |
|                   | PLAN             |               |           |  |
|                   | Depth From (TVD) | +E/-W         | Direction |  |
|                   | (ft)             | (ft)          | (°)       |  |
|                   | 0.00             | 0.00          | 353.27    |  |

|                     |           |                   |            |                |
|---------------------|-----------|-------------------|------------|----------------|
| Survey Tool Program | Date      | 11/11/10          |            |                |
| From (ft)           | To (ft)   | Survey (Wellbore) | Tool Name  | Description    |
| 0.00                | 17,085.25 | Plan #1 (OH)      | Pathfinder | Pathfinder MWD |



Pathfinder  
Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.  
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Site: Aldabra "27" Fed  
Well: #5H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well #5H  
WELL @ 3457.60ft (25' KB Correction)  
WELL @ 3457.60ft (25' KB Correction)  
Grid  
Minimum Curvature  
Midland Database

Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | D Leg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|---------------|-------------|-------------|----------------|--------------------|------------------|-----------------|
| 0.00       | 0.00       | 0.00       | 0.00        | -3,457.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 100.00     | 0.00       | 0.00       | 100.00      | -3,357.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 200.00     | 0.00       | 0.00       | 200.00      | -3,257.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 300.00     | 0.00       | 0.00       | 300.00      | -3,157.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 400.00     | 0.00       | 0.00       | 400.00      | -3,057.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 500.00     | 0.00       | 0.00       | 500.00      | -2,957.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 600.00     | 0.00       | 0.00       | 600.00      | -2,857.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 700.00     | 0.00       | 0.00       | 700.00      | -2,757.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 800.00     | 0.00       | 0.00       | 800.00      | -2,657.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 900.00     | 0.00       | 0.00       | 900.00      | -2,557.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 1,000.00   | 0.00       | 0.00       | 1,000.00    | -2,457.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 1,100.00   | 0.00       | 0.00       | 1,100.00    | -2,357.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 1,200.00   | 0.00       | 0.00       | 1,200.00    | -2,257.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 1,300.00   | 0.00       | 0.00       | 1,300.00    | -2,157.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 1,400.00   | 0.00       | 0.00       | 1,400.00    | -2,057.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 1,500.00   | 0.00       | 0.00       | 1,500.00    | -1,957.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 1,600.00   | 0.00       | 0.00       | 1,600.00    | -1,857.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 1,700.00   | 0.00       | 0.00       | 1,700.00    | -1,757.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 1,800.00   | 0.00       | 0.00       | 1,800.00    | -1,657.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 1,900.00   | 0.00       | 0.00       | 1,900.00    | -1,557.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 2,000.00   | 0.00       | 0.00       | 2,000.00    | -1,457.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 2,100.00   | 0.00       | 0.00       | 2,100.00    | -1,357.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 2,200.00   | 0.00       | 0.00       | 2,200.00    | -1,257.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 2,300.00   | 0.00       | 0.00       | 2,300.00    | -1,157.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 2,400.00   | 0.00       | 0.00       | 2,400.00    | -1,057.60     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 2,500.00   | 0.00       | 0.00       | 2,500.00    | -957.60       | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 2,600.00   | 0.00       | 0.00       | 2,600.00    | -857.60       | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |





# Pathfinder

## Pathfinder X & Y Planning Report



A Schlumberger Company

Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "27" Fed  
Well: #5H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well #5H  
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MD Reference: WELL @ 3457.60ft (25' KB Correction)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Midland Database

### Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | D Leg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|--------------|-------------|-------------|----------------|--------------------|------------------|-----------------|
| 2,700.00   | 0.00       | 0.00       | 2,700.00    | -757.60      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 2,800.00   | 0.00       | 0.00       | 2,800.00    | -657.60      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 2,900.00   | 0.00       | 0.00       | 2,900.00    | -557.60      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 3,000.00   | 0.00       | 0.00       | 3,000.00    | -457.60      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 3,100.00   | 0.00       | 0.00       | 3,100.00    | -357.60      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 3,200.00   | 0.00       | 0.00       | 3,200.00    | -257.60      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 3,300.00   | 0.00       | 0.00       | 3,300.00    | -157.60      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 3,400.00   | 0.00       | 0.00       | 3,400.00    | -57.60       | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 3,500.00   | 0.00       | 0.00       | 3,500.00    | 42.40        | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 3,600.00   | 0.00       | 0.00       | 3,600.00    | 142.40       | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 3,700.00   | 0.00       | 0.00       | 3,700.00    | 242.40       | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 3,800.00   | 0.00       | 0.00       | 3,800.00    | 342.40       | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 3,900.00   | 0.00       | 0.00       | 3,900.00    | 442.40       | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 4,000.00   | 0.00       | 0.00       | 4,000.00    | 542.40       | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 4,100.00   | 0.00       | 0.00       | 4,100.00    | 642.40       | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 4,200.00   | 0.00       | 0.00       | 4,200.00    | 742.40       | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 4,300.00   | 0.00       | 0.00       | 4,300.00    | 842.40       | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 4,400.00   | 0.00       | 0.00       | 4,400.00    | 942.40       | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 4,500.00   | 0.00       | 0.00       | 4,500.00    | 1,042.40     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 4,600.00   | 0.00       | 0.00       | 4,600.00    | 1,142.40     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 4,700.00   | 0.00       | 0.00       | 4,700.00    | 1,242.40     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 4,800.00   | 0.00       | 0.00       | 4,800.00    | 1,342.40     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 4,900.00   | 0.00       | 0.00       | 4,900.00    | 1,442.40     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 5,000.00   | 0.00       | 0.00       | 5,000.00    | 1,542.40     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 5,100.00   | 0.00       | 0.00       | 5,100.00    | 1,642.40     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 5,200.00   | 0.00       | 0.00       | 5,200.00    | 1,742.40     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 5,300.00   | 0.00       | 0.00       | 5,300.00    | 1,842.40     | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |



# Pathfinder

## Pathfinder X & Y Planning Report



A Schlumberger Company

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Site: Aldabra "27" Fed  
Well: #5H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well #5H  
TVD Reference: WELL @ 3457.60ft (25' KB Correction)  
MD Reference: WELL @ 3457.60ft (25' KB Correction)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Midland Database

### Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | D Leg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|---------------|-------------|-------------|----------------|--------------------|------------------|-----------------|
| 5,400.00   | 0.00       | 0.00       | 5,400.00    | 1,942.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 5,500.00   | 0.00       | 0.00       | 5,500.00    | 2,042.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 5,600.00   | 0.00       | 0.00       | 5,600.00    | 2,142.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 5,700.00   | 0.00       | 0.00       | 5,700.00    | 2,242.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 5,800.00   | 0.00       | 0.00       | 5,800.00    | 2,342.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 5,900.00   | 0.00       | 0.00       | 5,900.00    | 2,442.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 6,000.00   | 0.00       | 0.00       | 6,000.00    | 2,542.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 6,100.00   | 0.00       | 0.00       | 6,100.00    | 2,642.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 6,200.00   | 0.00       | 0.00       | 6,200.00    | 2,742.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 6,300.00   | 0.00       | 0.00       | 6,300.00    | 2,842.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 6,400.00   | 0.00       | 0.00       | 6,400.00    | 2,942.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 6,500.00   | 0.00       | 0.00       | 6,500.00    | 3,042.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 6,600.00   | 0.00       | 0.00       | 6,600.00    | 3,142.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 6,700.00   | 0.00       | 0.00       | 6,700.00    | 3,242.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 6,800.00   | 0.00       | 0.00       | 6,800.00    | 3,342.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 6,900.00   | 0.00       | 0.00       | 6,900.00    | 3,442.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 7,000.00   | 0.00       | 0.00       | 7,000.00    | 3,542.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 7,100.00   | 0.00       | 0.00       | 7,100.00    | 3,642.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 7,200.00   | 0.00       | 0.00       | 7,200.00    | 3,742.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 7,300.00   | 0.00       | 0.00       | 7,300.00    | 3,842.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 7,400.00   | 0.00       | 0.00       | 7,400.00    | 3,942.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 7,500.00   | 0.00       | 0.00       | 7,500.00    | 4,042.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 7,600.00   | 0.00       | 0.00       | 7,600.00    | 4,142.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 7,700.00   | 0.00       | 0.00       | 7,700.00    | 4,242.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 7,800.00   | 0.00       | 0.00       | 7,800.00    | 4,342.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 7,900.00   | 0.00       | 0.00       | 7,900.00    | 4,442.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |
| 8,000.00   | 0.00       | 0.00       | 8,000.00    | 4,542.40      | 0.00        | 0.00        | 0.00           | 0.00               | 461,838.17       | 718,004.61      |



# Pathfinder

## Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "27" Fed  
Well: #5H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
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Well #5H  
WELL @ 3457.60ft (25' KB Correction)  
WELL @ 3457.60ft (25' KB Correction)  
Grid  
Minimum Curvature  
Midland Database

### Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|
| 8,100.00   | 0.00       | 0.00       | 8,100.00    | 4,642.40      | 0.00        | 0.00        | 0.00           | 0.00              | 461,838.17       | 718,004.61      |
| 8,200.00   | 0.00       | 0.00       | 8,200.00    | 4,742.40      | 0.00        | 0.00        | 0.00           | 0.00              | 461,838.17       | 718,004.61      |
| 8,300.00   | 0.00       | 0.00       | 8,300.00    | 4,842.40      | 0.00        | 0.00        | 0.00           | 0.00              | 461,838.17       | 718,004.61      |
| 8,401.74   | 0.00       | 0.00       | 8,401.74    | 4,944.14      | 0.00        | 0.00        | 0.00           | 0.00              | 461,838.17       | 718,004.61      |
| 8,425.00   | 2.67       | 281.92     | 8,424.99    | 4,967.39      | 0.11        | -0.53       | 0.17           | 11.50             | 461,838.28       | 718,004.08      |
| 8,450.00   | 5.55       | 281.92     | 8,449.92    | 4,992.32      | 0.48        | -2.28       | 0.75           | 11.50             | 461,838.65       | 718,002.33      |
| 8,475.00   | 8.42       | 281.92     | 8,474.74    | 5,017.14      | 1.11        | -5.26       | 1.72           | 11.50             | 461,839.28       | 717,999.35      |
| 8,500.00   | 11.30      | 281.92     | 8,499.36    | 5,041.76      | 1.99        | -9.45       | 3.09           | 11.50             | 461,840.16       | 717,995.16      |
| 8,525.00   | 14.17      | 281.92     | 8,523.75    | 5,066.15      | 3.13        | -14.84      | 4.85           | 11.50             | 461,841.30       | 717,989.77      |
| 8,550.00   | 17.05      | 281.92     | 8,547.82    | 5,090.22      | 4.52        | -21.42      | 7.00           | 11.50             | 461,842.69       | 717,983.19      |
| 8,575.00   | 19.92      | 281.92     | 8,571.53    | 5,113.93      | 6.16        | -29.17      | 9.54           | 11.50             | 461,844.33       | 717,975.44      |
| 8,600.00   | 22.79      | 281.92     | 8,594.81    | 5,137.21      | 8.04        | -38.08      | 12.45          | 11.50             | 461,846.21       | 717,966.53      |
| 8,625.00   | 25.67      | 281.92     | 8,617.61    | 5,160.01      | 10.16       | -48.12      | 15.73          | 11.50             | 461,848.33       | 717,956.49      |
| 8,650.00   | 28.54      | 281.92     | 8,639.86    | 5,182.26      | 12.51       | -59.26      | 19.37          | 11.50             | 461,850.68       | 717,945.35      |
| 8,675.00   | 31.42      | 281.92     | 8,661.51    | 5,203.91      | 15.10       | -71.48      | 23.37          | 11.50             | 461,853.27       | 717,933.13      |
| 8,700.00   | 34.29      | 281.92     | 8,682.51    | 5,224.91      | 17.90       | -84.75      | 27.70          | 11.50             | 461,856.07       | 717,919.86      |
| 8,725.00   | 37.17      | 281.92     | 8,702.80    | 5,245.20      | 20.91       | -99.03      | 32.37          | 11.50             | 461,859.08       | 717,905.58      |
| 8,750.00   | 40.04      | 281.92     | 8,722.34    | 5,264.74      | 24.14       | -114.29     | 37.36          | 11.50             | 461,862.31       | 717,890.32      |
| 8,775.00   | 42.91      | 281.92     | 8,741.07    | 5,283.47      | 27.56       | -130.49     | 42.66          | 11.50             | 461,865.73       | 717,874.12      |
| 8,800.00   | 45.79      | 281.92     | 8,758.94    | 5,301.34      | 31.17       | -147.59     | 48.25          | 11.50             | 461,869.34       | 717,857.02      |
| 8,825.00   | 48.66      | 281.92     | 8,775.92    | 5,318.32      | 34.96       | -165.54     | 54.11          | 11.50             | 461,873.13       | 717,839.07      |
| 8,850.00   | 51.54      | 281.92     | 8,791.95    | 5,334.35      | 38.92       | -184.30     | 60.25          | 11.50             | 461,877.09       | 717,820.31      |
| 8,875.00   | 54.41      | 281.92     | 8,807.01    | 5,349.41      | 43.04       | -203.83     | 66.63          | 11.50             | 461,881.21       | 717,800.78      |
| 8,900.00   | 57.28      | 281.92     | 8,821.04    | 5,363.44      | 47.32       | -224.07     | 73.25          | 11.50             | 461,885.49       | 717,780.54      |
| 8,925.00   | 60.16      | 281.92     | 8,834.02    | 5,376.42      | 51.73       | -244.97     | 80.08          | 11.50             | 461,889.90       | 717,759.64      |
| 8,950.00   | 63.03      | 281.92     | 8,845.91    | 5,388.31      | 56.27       | -266.49     | 87.11          | 11.50             | 461,894.44       | 717,738.12      |
| 8,975.00   | 65.91      | 281.92     | 8,856.68    | 5,399.08      | 60.94       | -288.56     | 94.33          | 11.50             | 461,899.11       | 717,716.05      |



# Pathfinder

## Pathfinder X & Y Planning Report



A Schlumberger Company

Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "27" Fed  
Well: #5H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well #5H  
WELL @ 3457.60ft (25' KB Correction)  
WELL @ 3457.60ft (25' KB Correction)  
Grid  
Minimum Curvature  
Midland Database

### Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | D Leg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|--------------|-------------|-------------|----------------|--------------------|------------------|-----------------|
| 9,000.00   | 68.78      | 281.92     | 8,866.31    | 5,408.71     | 65.70       | -311.13     | 101.71         | 11.50              | 461,903.87       | 717,693.48      |
| 9,025.00   | 71.56      | 281.92     | 8,874.77    | 5,417.17     | 70.56       | -334.14     | 109.23         | 11.50              | 461,908.73       | 717,670.47      |
| 9,050.00   | 74.53      | 281.92     | 8,882.04    | 5,424.44     | 75.50       | -357.54     | 116.88         | 11.50              | 461,913.67       | 717,647.07      |
| 9,075.00   | 77.40      | 281.92     | 8,888.10    | 5,430.50     | 80.51       | -381.27     | 124.64         | 11.50              | 461,918.68       | 717,623.34      |
| 9,100.00   | 80.28      | 281.92     | 8,892.94    | 5,435.34     | 85.58       | -405.27     | 132.48         | 11.50              | 461,923.75       | 717,599.34      |
| 9,125.00   | 83.15      | 281.92     | 8,896.54    | 5,438.94     | 90.69       | -429.47     | 140.39         | 11.50              | 461,928.86       | 717,575.14      |
| 9,150.00   | 86.03      | 281.92     | 8,898.90    | 5,441.30     | 95.83       | -453.82     | 148.35         | 11.50              | 461,934.00       | 717,550.79      |
| 9,175.00   | 88.90      | 281.92     | 8,900.00    | 5,442.40     | 100.99      | -478.25     | 156.34         | 11.50              | 461,939.16       | 717,526.36      |
| 9,184.68   | 90.01      | 281.92     | 8,900.10    | 5,442.50     | 102.99      | -487.72     | 159.43         | 11.50              | 461,941.16       | 717,516.89      |
| 9,200.00   | 90.01      | 283.69     | 8,900.09    | 5,442.49     | 106.39      | -502.66     | 164.56         | 11.50              | 461,944.56       | 717,501.95      |
| 9,225.00   | 90.01      | 286.56     | 8,900.09    | 5,442.49     | 112.91      | -526.79     | 173.86         | 11.50              | 461,951.08       | 717,477.82      |
| 9,250.00   | 90.01      | 289.43     | 8,900.08    | 5,442.48     | 120.63      | -550.57     | 184.32         | 11.50              | 461,958.80       | 717,454.04      |
| 9,275.00   | 90.01      | 292.31     | 8,900.08    | 5,442.48     | 129.54      | -573.93     | 195.90         | 11.50              | 461,967.71       | 717,430.68      |
| 9,300.00   | 90.01      | 295.18     | 8,900.07    | 5,442.47     | 139.61      | -596.81     | 208.58         | 11.50              | 461,977.78       | 717,407.80      |
| 9,325.00   | 90.01      | 298.06     | 8,900.06    | 5,442.46     | 150.81      | -619.15     | 222.32         | 11.50              | 461,988.98       | 717,385.46      |
| 9,350.00   | 90.01      | 300.93     | 8,900.06    | 5,442.46     | 163.11      | -640.91     | 237.09         | 11.50              | 462,001.28       | 717,363.70      |
| 9,375.00   | 90.01      | 303.81     | 8,900.05    | 5,442.45     | 176.50      | -662.03     | 252.86         | 11.50              | 462,014.67       | 717,342.58      |
| 9,400.00   | 90.01      | 306.68     | 8,900.05    | 5,442.45     | 190.92      | -682.44     | 269.57         | 11.50              | 462,029.09       | 717,322.17      |
| 9,425.00   | 90.01      | 309.55     | 8,900.04    | 5,442.44     | 206.35      | -702.11     | 287.20         | 11.50              | 462,044.52       | 717,302.50      |
| 9,450.00   | 90.01      | 312.43     | 8,900.04    | 5,442.44     | 222.75      | -720.98     | 305.70         | 11.50              | 462,060.92       | 717,283.63      |
| 9,475.00   | 90.01      | 315.30     | 8,900.03    | 5,442.43     | 240.07      | -739.00     | 325.01         | 11.50              | 462,078.24       | 717,265.61      |
| 9,500.00   | 90.01      | 318.18     | 8,900.03    | 5,442.43     | 258.28      | -756.13     | 345.10         | 11.50              | 462,096.45       | 717,248.48      |
| 9,525.00   | 90.01      | 321.05     | 8,900.03    | 5,442.43     | 277.32      | -772.33     | 365.90         | 11.50              | 462,115.49       | 717,232.28      |
| 9,550.00   | 90.01      | 323.93     | 8,900.02    | 5,442.42     | 297.14      | -787.55     | 387.38         | 11.50              | 462,135.31       | 717,217.06      |
| 9,575.00   | 90.01      | 326.80     | 8,900.02    | 5,442.42     | 317.71      | -801.76     | 409.47         | 11.50              | 462,155.88       | 717,202.85      |
| 9,600.00   | 90.01      | 329.67     | 8,900.02    | 5,442.42     | 338.96      | -814.91     | 432.12         | 11.50              | 462,177.13       | 717,189.70      |
| 9,625.00   | 90.01      | 332.55     | 8,900.01    | 5,442.41     | 360.85      | -826.99     | 455.27         | 11.50              | 462,199.02       | 717,177.62      |



# Pathfinder

## Pathfinder X & Y Planning Report



A Schlumberger Company

Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "27" Fed  
Well: #5H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well #5H  
WELL @ 3457.60ft (25' KB Correction)  
WELL @ 3457.60ft (25' KB Correction)  
Grid  
Minimum Curvature  
Midland Database

### Planned Survey

| MD<br>(ft)      | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDS<br>(ft) | N/S<br>(ft) | EW<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|-----------------|------------|------------|-------------|--------------|-------------|------------|----------------|-------------------|------------------|-----------------|
| 9,650.00        | 90.01      | 335.42     | 8,900.01    | 5,442.41     | 383.32      | -837.96    | 478.86         | 11.50             | 462,221.49       | 717,166.65      |
| 9,675.00        | 90.01      | 338.30     | 8,900.01    | 5,442.41     | 406.30      | -847.78    | 502.84         | 11.50             | 462,244.47       | 717,166.83      |
| 9,700.00        | 90.00      | 341.17     | 8,900.01    | 5,442.41     | 429.75      | -856.44    | 527.15         | 11.50             | 462,267.92       | 717,148.17      |
| 9,725.00        | 90.00      | 344.05     | 8,900.00    | 5,442.40     | 453.61      | -863.91    | 551.71         | 11.50             | 462,291.78       | 717,140.70      |
| 9,750.00        | 90.00      | 346.92     | 8,900.00    | 5,442.40     | 477.81      | -870.18    | 576.48         | 11.50             | 462,315.98       | 717,134.43      |
| 9,775.00        | 90.00      | 349.79     | 8,900.00    | 5,442.40     | 502.29      | -875.22    | 601.38         | 11.50             | 462,340.46       | 717,129.39      |
| 9,800.00        | 90.00      | 352.67     | 8,900.00    | 5,442.40     | 526.99      | -879.03    | 626.37         | 11.50             | 462,365.16       | 717,125.58      |
| 9,825.00        | 90.00      | 355.54     | 8,900.00    | 5,442.40     | 551.86      | -881.60    | 651.36         | 11.50             | 462,390.03       | 717,123.01      |
| 9,850.00        | 90.00      | 358.42     | 8,900.00    | 5,442.40     | 576.82      | -882.92    | 676.31         | 11.50             | 462,414.99       | 717,121.69      |
| 9,861.11        | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 587.93      | -883.10    | 687.36         | 11.50             | 462,426.10       | 717,121.51      |
| Heal TGT(ALB#5) |            |            |             |              |             |            |                |                   |                  |                 |
| 9,900.00        | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 626.82      | -883.31    | 726.01         | 0.00              | 462,464.99       | 717,121.30      |
| 10,000.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 726.82      | -883.84    | 825.38         | 0.00              | 462,564.99       | 717,120.77      |
| 10,100.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 826.82      | -884.38    | 924.75         | 0.00              | 462,664.99       | 717,120.23      |
| 10,200.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 926.81      | -884.91    | 1,024.12       | 0.00              | 462,764.98       | 717,119.70      |
| 10,300.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 1,026.81    | -885.45    | 1,123.49       | 0.00              | 462,864.98       | 717,119.16      |
| 10,400.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 1,126.81    | -885.98    | 1,222.87       | 0.00              | 462,964.98       | 717,118.63      |
| 10,500.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 1,226.81    | -886.52    | 1,322.24       | 0.00              | 463,064.98       | 717,118.09      |
| 10,600.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 1,326.81    | -887.05    | 1,421.61       | 0.00              | 463,164.98       | 717,117.56      |
| 10,700.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 1,426.81    | -887.59    | 1,520.98       | 0.00              | 463,264.98       | 717,117.02      |
| 10,800.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 1,526.81    | -888.12    | 1,620.36       | 0.00              | 463,364.98       | 717,116.49      |
| 10,900.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 1,626.80    | -888.66    | 1,719.73       | 0.00              | 463,464.97       | 717,115.95      |
| 11,000.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 1,726.80    | -889.19    | 1,819.10       | 0.00              | 463,564.97       | 717,115.42      |
| 11,100.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 1,826.80    | -889.73    | 1,918.47       | 0.00              | 463,664.97       | 717,114.88      |
| 11,200.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 1,926.80    | -890.26    | 2,017.85       | 0.00              | 463,764.97       | 717,114.35      |
| 11,300.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 2,026.80    | -890.80    | 2,117.22       | 0.00              | 463,864.97       | 717,113.81      |
| 11,400.00       | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 2,126.80    | -891.33    | 2,216.59       | 0.00              | 463,964.97       | 717,113.28      |



## Pathfinder

### Pathfinder X & Y Planning Report



A Schlumberger Company

Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "27" Fed  
Well: #5H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well #5H  
WELL @ 3457.60ft (25' KB Correction)  
WELL @ 3457.60ft (25' KB Correction)  
Grid  
Minimum Curvature  
Midland Database

#### Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|
| 11,500.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 2,226.80    | -891.87     | 2,315.96       | 0.00              | 464,084.97       | 717,112.74      |
| 11,600.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 2,326.79    | -892.40     | 2,415.34       | 0.00              | 464,184.96       | 717,112.21      |
| 11,700.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 2,426.79    | -892.94     | 2,514.71       | 0.00              | 464,284.96       | 717,111.67      |
| 11,800.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 2,526.79    | -893.47     | 2,614.08       | 0.00              | 464,384.96       | 717,111.14      |
| 11,900.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 2,626.79    | -894.01     | 2,713.45       | 0.00              | 464,484.96       | 717,110.60      |
| 12,000.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 2,726.79    | -894.54     | 2,812.82       | 0.00              | 464,584.96       | 717,110.07      |
| 12,100.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 2,826.79    | -895.08     | 2,912.20       | 0.00              | 464,684.96       | 717,109.53      |
| 12,200.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 2,926.79    | -895.61     | 3,011.57       | 0.00              | 464,784.96       | 717,109.00      |
| 12,300.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 3,026.78    | -896.14     | 3,110.94       | 0.00              | 464,884.95       | 717,108.47      |
| 12,400.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 3,126.78    | -896.68     | 3,210.31       | 0.00              | 464,984.95       | 717,107.93      |
| 12,500.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 3,226.78    | -897.21     | 3,309.69       | 0.00              | 465,084.95       | 717,107.40      |
| 12,600.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 3,326.78    | -897.75     | 3,409.06       | 0.00              | 465,184.95       | 717,106.86      |
| 12,700.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 3,426.78    | -898.28     | 3,508.43       | 0.00              | 465,284.95       | 717,106.33      |
| 12,800.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 3,526.78    | -898.82     | 3,607.80       | 0.00              | 465,384.95       | 717,105.79      |
| 12,900.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 3,626.78    | -899.35     | 3,707.18       | 0.00              | 465,484.95       | 717,105.26      |
| 13,000.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 3,726.77    | -899.89     | 3,806.55       | 0.00              | 465,584.94       | 717,104.72      |
| 13,100.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 3,826.77    | -900.42     | 3,905.92       | 0.00              | 465,684.94       | 717,104.19      |
| 13,200.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 3,926.77    | -900.96     | 4,005.29       | 0.00              | 465,784.94       | 717,103.65      |
| 13,300.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 4,026.77    | -901.49     | 4,104.67       | 0.00              | 465,884.94       | 717,103.12      |
| 13,400.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 4,126.77    | -902.03     | 4,204.04       | 0.00              | 465,984.94       | 717,102.58      |
| 13,500.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 4,226.77    | -902.56     | 4,303.41       | 0.00              | 466,084.94       | 717,102.05      |
| 13,600.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 4,326.77    | -903.10     | 4,402.78       | 0.00              | 466,184.94       | 717,101.51      |
| 13,700.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 4,426.76    | -903.63     | 4,502.15       | 0.00              | 466,284.93       | 717,100.98      |
| 13,800.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 4,526.76    | -904.17     | 4,601.53       | 0.00              | 466,384.93       | 717,100.44      |
| 13,900.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 4,626.76    | -904.70     | 4,700.90       | 0.00              | 466,484.93       | 717,099.91      |
| 14,000.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 4,726.76    | -905.24     | 4,800.27       | 0.00              | 466,584.93       | 717,099.37      |
| 14,100.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 4,826.76    | -905.77     | 4,899.64       | 0.00              | 466,684.93       | 717,098.84      |



# Pathfinder

## Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "27" Fed  
Well: #5H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well #5H  
WELL @ 3457.60ft (25' KB Correction)  
WELL @ 3457.60ft (25' KB Correction)  
Grid  
Minimum Curvature  
Midland Database

### Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | EW<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|---------------|-------------|------------|----------------|-------------------|------------------|-----------------|
| 14,200.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 4,926.76    | -906.31    | 4,999.02       | 0.00              | 466,764.93       | 717,098.30      |
| 14,300.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 5,026.76    | -906.84    | 5,098.39       | 0.00              | 466,864.93       | 717,097.77      |
| 14,400.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 5,126.75    | -907.38    | 5,197.76       | 0.00              | 466,964.92       | 717,097.23      |
| 14,500.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 5,226.75    | -907.91    | 5,297.13       | 0.00              | 467,064.92       | 717,096.70      |
| 14,600.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 5,326.75    | -908.45    | 5,396.51       | 0.00              | 467,164.92       | 717,096.16      |
| 14,700.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 5,426.75    | -908.98    | 5,495.88       | 0.00              | 467,264.92       | 717,095.63      |
| 14,800.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 5,526.75    | -909.52    | 5,595.25       | 0.00              | 467,364.92       | 717,095.09      |
| 14,900.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 5,626.75    | -910.05    | 5,694.62       | 0.00              | 467,464.92       | 717,094.56      |
| 15,000.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 5,726.75    | -910.59    | 5,793.99       | 0.00              | 467,564.92       | 717,094.02      |
| 15,100.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 5,826.74    | -911.12    | 5,893.37       | 0.00              | 467,664.91       | 717,093.49      |
| 15,200.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 5,926.74    | -911.66    | 5,992.74       | 0.00              | 467,764.91       | 717,092.95      |
| 15,300.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 6,026.74    | -912.19    | 6,092.11       | 0.00              | 467,864.91       | 717,092.42      |
| 15,400.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 6,126.74    | -912.73    | 6,191.48       | 0.00              | 467,964.91       | 717,091.88      |
| 15,500.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 6,226.74    | -913.26    | 6,290.86       | 0.00              | 468,064.91       | 717,091.35      |
| 15,600.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 6,326.74    | -913.80    | 6,390.23       | 0.00              | 468,164.91       | 717,090.81      |
| 15,700.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 6,426.74    | -914.33    | 6,489.60       | 0.00              | 468,264.91       | 717,090.28      |
| 15,800.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 6,526.73    | -914.87    | 6,588.97       | 0.00              | 468,364.90       | 717,089.74      |
| 15,900.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 6,626.73    | -915.40    | 6,688.35       | 0.00              | 468,464.90       | 717,089.21      |
| 16,000.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 6,726.73    | -915.94    | 6,787.72       | 0.00              | 468,564.90       | 717,088.67      |
| 16,100.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 6,826.73    | -916.47    | 6,887.09       | 0.00              | 468,664.90       | 717,088.14      |
| 16,200.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 6,926.73    | -917.01    | 6,986.46       | 0.00              | 468,764.90       | 717,087.60      |
| 16,300.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 7,026.73    | -917.54    | 7,085.84       | 0.00              | 468,864.90       | 717,087.07      |
| 16,400.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 7,126.73    | -918.07    | 7,185.21       | 0.00              | 468,964.90       | 717,086.54      |
| 16,500.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 7,226.72    | -918.61    | 7,284.58       | 0.00              | 469,064.89       | 717,086.00      |
| 16,600.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 7,326.72    | -919.14    | 7,383.95       | 0.00              | 469,164.89       | 717,085.47      |
| 16,700.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 7,426.72    | -919.68    | 7,483.32       | 0.00              | 469,264.89       | 717,084.93      |
| 16,800.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40      | 7,526.72    | -920.21    | 7,582.70       | 0.00              | 469,364.89       | 717,084.40      |



## Pathfinder

### Pathfinder X & Y Planning Report



A Schlumberger Company

Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "27" Fed  
Well: #5H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well #5H  
WELL @ 3457.60ft (25' KB Correction)  
WELL @ 3457.60ft (25' KB Correction)  
Grid  
Minimum Curvature  
Midland Database

#### Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | D Leg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|--------------|-------------|-------------|----------------|--------------------|------------------|-----------------|
| 16,900.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 7,626.72    | -920.75     | 7,682.07       | 0.00               | 469,464.89       | 717,083.86      |
| 17,000.00  | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 7,726.72    | -921.28     | 7,781.44       | 0.00               | 469,564.89       | 717,083.33      |
| 17,085.25  | 90.00      | 359.69     | 8,900.00    | 5,442.40     | 7,811.97    | -921.74     | 7,866.16       | 0.00               | 469,650.14       | 717,082.87      |

PBHLTGT(ALB#5)

#### Targets

| Target Name               | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(ft) | +N/S<br>(ft) | +E/W<br>(ft) | Northing<br>(ft) | Easting<br>(ft) | Latitude         | Longitude         |
|---------------------------|------------------|-----------------|-------------|--------------|--------------|------------------|-----------------|------------------|-------------------|
| - hit/miss target         |                  |                 |             |              |              |                  |                 |                  |                   |
| - Shape                   |                  |                 |             |              |              |                  |                 |                  |                   |
| PBHLTGT(ALB#5)            | 0.00             | 0.00            | 8,900.00    | 7,811.97     | -921.74      | 469,650.140      | 717,082.870     | 32° 17' 23.500 N | 103° 45' 52.555 W |
| - plan hits target center |                  |                 |             |              |              |                  |                 |                  |                   |
| - Point                   |                  |                 |             |              |              |                  |                 |                  |                   |
| Heal TGT(ALB#5)           | 0.00             | 0.00            | 8,900.00    | 587.93       | -883.10      | 462,426.100      | 717,121.510     | 32° 16' 12.013 N | 103° 45' 52.551 W |
| - plan hits target center |                  |                 |             |              |              |                  |                 |                  |                   |
| - Point                   |                  |                 |             |              |              |                  |                 |                  |                   |

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



Attachment to Exhibit #1  
NOTES REGARDING BLOWOUT PREVENTERS

Devon Energy Production Company, LP

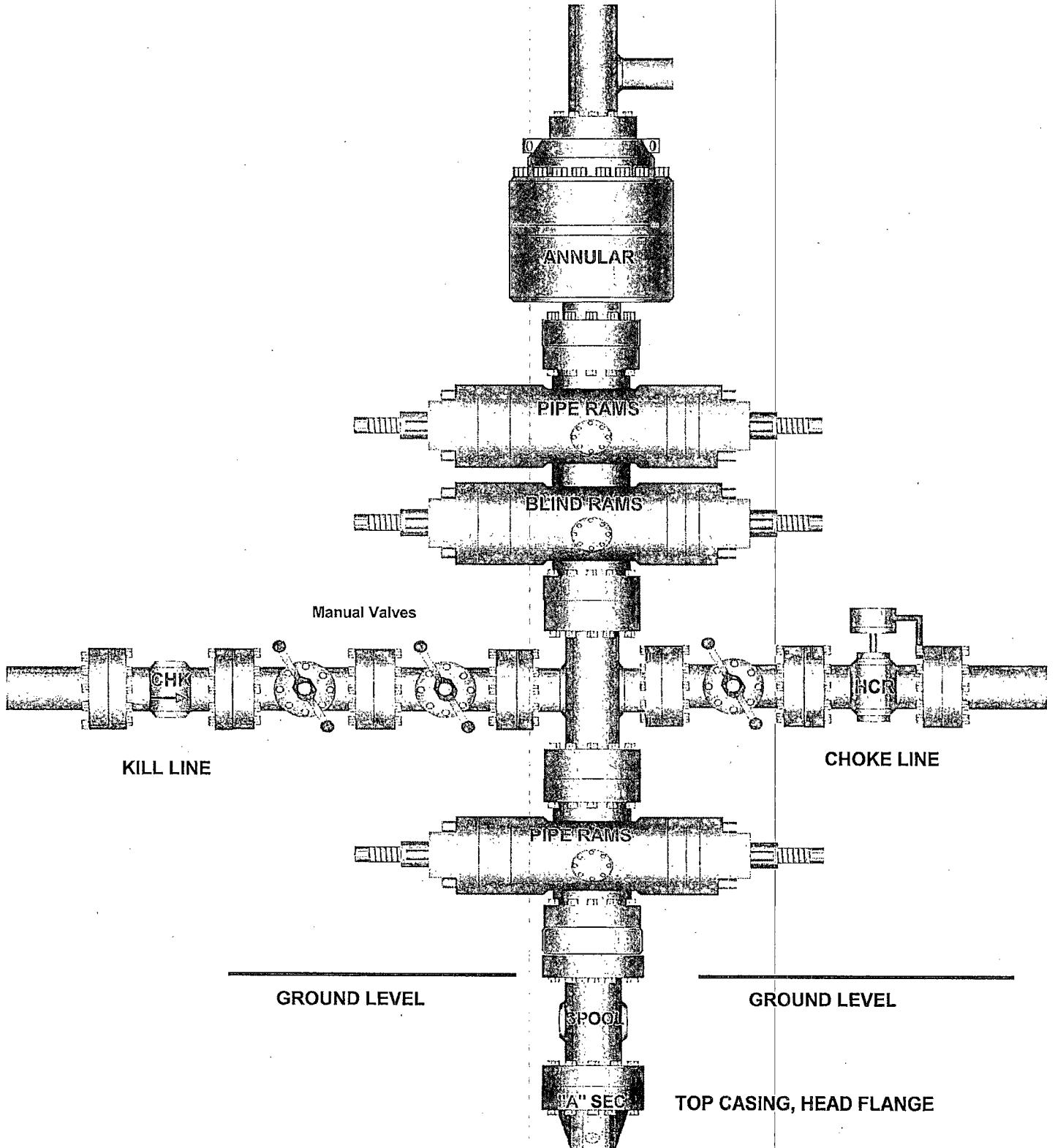
**Aldabra 27 Federal Com 5H**

Surface Location: 65' FSL & 1430' FEL, Unit O, Sec 27 T23S R31E, Eddy, NM

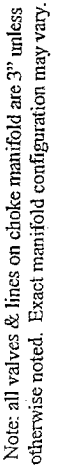
Bottom hole Location: 2600' FSL & 2310' FEL, Unit J, Sec 22 T23S R31E, Eddy, NM

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.

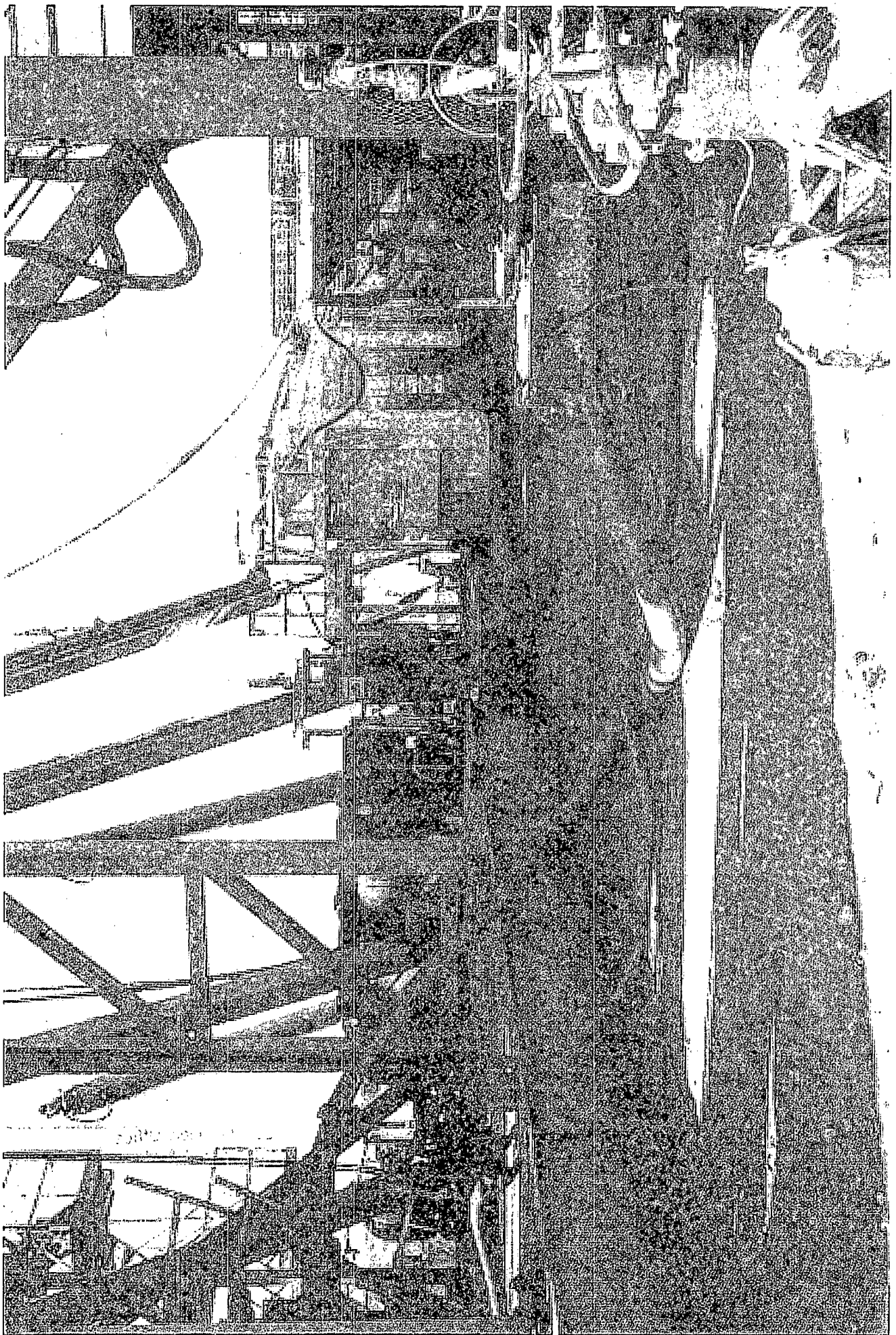
# 13-5/8" x 3,000 psi BOP Stack



# Equipment Schematic



New





**Fluid Technology**

ContiTech Beattie Corp.  
Website: [www.contitechbeattie.com](http://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.

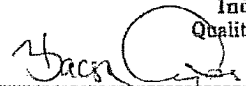
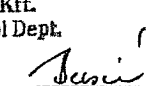
ContiTech Beattie is part of the Continental AG Corporation and can offer the full support resources associated with a global organization.

Best regards,

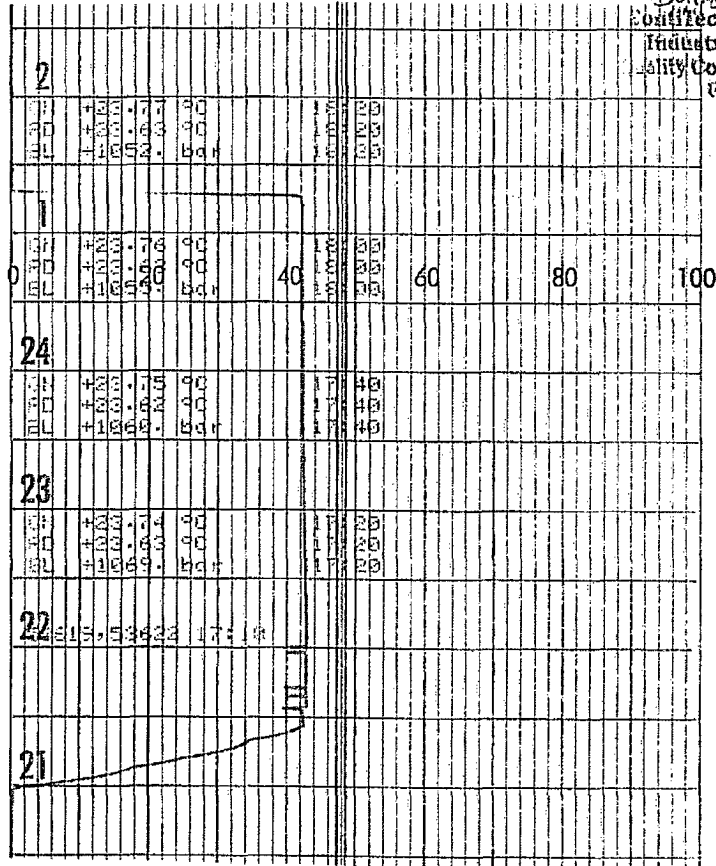
Robin Hodgson  
Sales Manager  
ContiTech Beattie Corp

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



|                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                      |  |                                                                                                                                                                                                                                                               |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>QUALITY CONTROL<br/>INSPECTION AND TEST CERTIFICATE</b>                                                                                                                                                                                                                                                                                                                                         |  |                                      |  | 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.                                                                                                                                                                                                                                             |  |
| <p>Pressure test with water at ambient temperature</p> <p style="text-align: center;">See attachment. (1 page)</p> <p>↑ 10 mm = 10 Min.<br/>→ 10 mm = 25 MPa</p>                                                                                                                                                                                                                                   |  |                                      |  |                                                                                                                                                                                                                                                               |  |
| COUPLINGS Type                                                                                                                                                                                                                                                                                                                                                                                     |  | Serial N°                            |  | Quality                                                                                                                                                                                                                                                       |  |
| 3" coupling with<br>4 1/16" Flange end                                                                                                                                                                                                                                                                                                                                                             |  | 5503 2029                            |  | AISI 4130<br>AISI 4130                                                                                                                                                                                                                                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                      |  | Heat N°<br>N1590P<br>27566                                                                                                                                                                                                                                    |  |
| <b>INFOCHIP INSTALLED</b>                                                                                                                                                                                                                                                                                                                                                                          |  |                                      |  | <b>API Spec 16 C<br/>Temperature rate:"B"</b>                                                                                                                                                                                                                 |  |
| All metal parts are flawless                                                                                                                                                                                                                                                                                                                                                                       |  |                                      |  | <b>Hose conform to NACE MR 01-75</b>                                                                                                                                                                                                                          |  |
| WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER<br>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:<br><br>25. August. 2008                                                                                                                                                                                                                                                                                                                                                                      |  | Inspector                            |  | Quality Control<br>ContiTech Rubber<br>Industrial Kft.<br>Quality Control Dept.<br>  |  |

HARTMANN &



*Signature*  
 Conditex Rubber  
 Industrial Kft.  
 Quality Control Dept.  
 (2)

DISTRICT I --- CHECKLIST FOR INTENTS TO DRILL

Operator DEVON ENERGY PROD CO LP OGRID # 6137  
 38560 Well Name & # ALDABRAA 27 FED COM # 5H Surface Type (F) (S) (P)  
 Location: UL 23, Sect 27, Township 23 s, RNG 31 e, Sub-surface Type (F) (S) (P)

A. Date C101 rec'd 23 / 31 / 23 C101 reviewed 23 / 31 / 23

B. 1. Check mark, Information is OK on Forms:

OGRID X, BONDING FED, PROP CODE X, WELL # 4, SIGNATURE 3

2. Inactive Well list as of: 2/3/11 # wells 1492, # 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: 3/30/11

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 SHINE, Code 96403

a. Dedicated acreage 240, What Units 225 JD 275 BG JD

b. SUR. Location Standard       : Non-Standard Location X

c. Well shares acres: Yes X, No       , # of wells        plus this well # 616

2. 2<sup>nd</sup>. Operator in same acreage, Yes       , No X

Agreement Letter       , Disagreement letter       

3. Intent to Directional Drill Yes X, No       

a. Dedicated acreage 240, What Units 225 JD 275 BG JD

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        /        /       

API #30-0 15-38629

8. Reviewers