

R-111-POTASH

Form 3160-3
(April 2004)FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

EA 11-88

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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 27 Fed Com 1H 38560	
2. Name of Operator Devon Energy Production Company, LP 6137		9. API Well No. 30-015-38625	
3a. Address 20 North Broadway Oklahoma City, Oklahoma City 73102-8260		10. Field and Pool, or Exploratory WILDCAT Engle Wells, Upper Bone Spring (96403)	
3b. Phone No. (include area code) 405-228-8699		11. Sec., T. R. M. or Blk. and Survey or Area SEC 27 T23S R31E	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 200 FSL & 275 FWL (Unit M) At proposed prod. zone 2600 FSL & 400 FWL Unit L Sec 22		12. County or Parish Eddy County	
14. Distance in miles and direction from nearest town or post office* Approximately 18 miles east of Loving, NM.		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 1960 Acres	17. Spacing Unit dedicated to this well 240 Acres	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. See Attached Map	19. Proposed Depth 16,355' MD 8850' TVD PH 9700'	20. BLM/BIA Bond No. on file CO-1104	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3404' GL	22. Approximate date work will start*	23. Estimated duration 45 days	
24. Attachments			

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

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

25. Signature <i>Judy A. Barnett</i>	Name (Printed/Typed) Judy A. Barnett	Date 10/21/2010
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

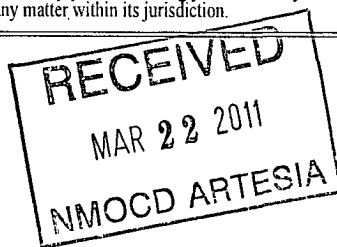
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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)

CARLSBAD CONTROLLED WATER BASIN

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

KZ 03/31/11

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

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

DRILLING PROGRAM

Devon Energy Production Company, LP

Aldabra 27 Fed Com 1H

Surface Location: 200' FSL & 275' FWL, Unit M, Sec 27 T23S R31E, Eddy, NM

Bottom Hole Location: 2600' FSL & 400' FWL, Unit L, 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 Dol	473'	
b. Salado Salt	836'	
c. Base of Salt	4016'	
d. Lamar	4266'	
e. Bell Canyon	4284'	
f. Cherry Canyon	5178'	
g. Brushy Canyon	6446'	
h. Avalon/Top of Bone Spring FM	8094'	Oil
Total Depth	16,355'	

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 575' and circulating cement back to surface. Fresh water sands will be protected by setting 9 5/8" casing at 4225' and circulating cement to surface. The Upper Bone Spring 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.

* **Casing Program:**

<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"	0-575'	13 3/8"	0'-575'	48#	ST&C	H-40
12 1/4"	575-4225'	9 5/8"	0'-4225'	40#	LT&C	J-55
8 3/4"	4225-7500'	5 1/2"	0'-7500'	17#	LT&C	HCP-110
8 3/4"	7500-16,355'	5 1/2"	7500-16,355'	17#	BT&C	HCP-110

An 8-3/4" pilot hole will be drilled to 9,700' and plugged back to KOP. The cement plug details and geometry are included below in the Cementing Program.

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"	1.88	4.22	7.67
9 5/8" 40#	1.18	1.81	3.10
5 1/2" 17# LTC	2.13	3.03	1.60
5 1/2" 17# BTC	1.77	2.53	3.63

3.

Cement Program:

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 **Yld:** 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 **Yld:** 1.35 cf/sk

9 5/8" Intermediate

Lead: 1200 sx 35:65 Poz (Fly Ash):Cl C + 5% bwow Sodium Chloride + 0.125#/sx CF + 6% bwoc Bentonite + 107.8% FW, 12.5 ppg. **Yld:** 2.04 cf/sx.

TOC @ surface. Tail: 300 sx 60:40 Poz (Fly Ash):Cl C + 5% bwow Sodium Chloride + 0.125#/sx CF + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 64.7% Wtr, 13.8 ppg **Yld:** 1.37 cf/sx.

5 1/2" Production

1st Stage

Lead: 450 sx 35:65 Poz (Fly Ash):Cl H + 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% FW, 12.5 ppg. **Yld:** 2.01 cf/sx. **Tail:** 1500 sx 50:50 Poz (Fly Ash):Cl H + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125#/sx CF + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 58.3% FW, 14.2 ppg. **Yld:** 1.28 cf/sx.

DV TOOL @ 6,000'.**2nd Stage**

Lead: 250 sx Cl C + 1% bwow Calcium Chloride + 0.125#/sx CF + 157.8% FW, 11.4 ppg. **Yld:** 2.89 cf/sx. **TOC @ 3,875'.** **Tail:** 200 sx 60:40 Poz (Fly Ash):Cl C + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125#/sx CF + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 63.2% FW, 13.8 ppg. **Yld:** 1.37cf/sx.

TOC = Surface

8-3/4" Pilot Hole Plugs

Plug 1: 120 Sx Class H 15.6 ppg, 1.18 cf/sx
Bottom of Plug 9,700'

Top of Plug 9,400' 300' ✓

Plug 2: 280 sx Class H 18.0 ppg, 0.89 cf/sx
Bottom of Plug 8,800'

Top of Plug 8,300' 500' ✓

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.

See COA**Pressure Control Equipment:**

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

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

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

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.

Proposed Mud Circulation System

Depth	Mud Wt.	Visc	Fluid Loss	Type System
0' - 575'	8.4-9.0	30-34	NC	FW
575' - 4225'	9.8-10.0	28-32	NC	Brine
4225' - 16,355'	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.

*** See COA - Wait on Cement time***** See COA****See COA****Triple****Triple****See COA****See COA**

4. **Auxiliary Well Control and Monitoring Equipment:**

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

5. **Logging, Coring, and Testing Program:**

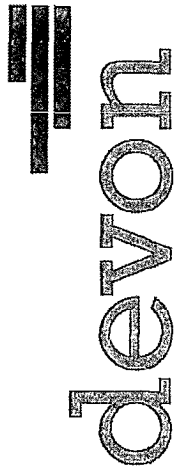
- a. Drill stem tests will be based on geological sample shows.
- b. If a drill stem test is anticipated; a procedure, equipment to be used and safety measures will be provided via sundry notice to the BLM.
- c. The open hole electrical logging program will be:
 - i. Total Depth to Intermediate Casing Dual Laterolog-Micro Laterolog with SP and Gamma Ray. Compensated Neutron - Z Density log with Gamma Ray and Caliper.
 - ii. Total Depth to Surface Compensated Neutron with Gamma Ray
 - iii. No coring program is planned
 - iv. Additional testing will be initiated subsequent to setting the 5 1/2" 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 4200 psi and Estimated BHT 140°. No H2S is anticipated to be encountered.

7. **Anticipated Starting Date and Duration of Operations:**

- a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 32 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.



Devon Energy, Inc.

Eddy County

Alabra "27" Fed

#1H

OH

Plan: Plan #1

Pathfinder X & Y Planning Report

05 October, 2010

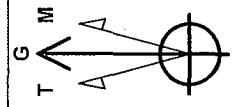
PATHFINDER®

A Schlumberger Company

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

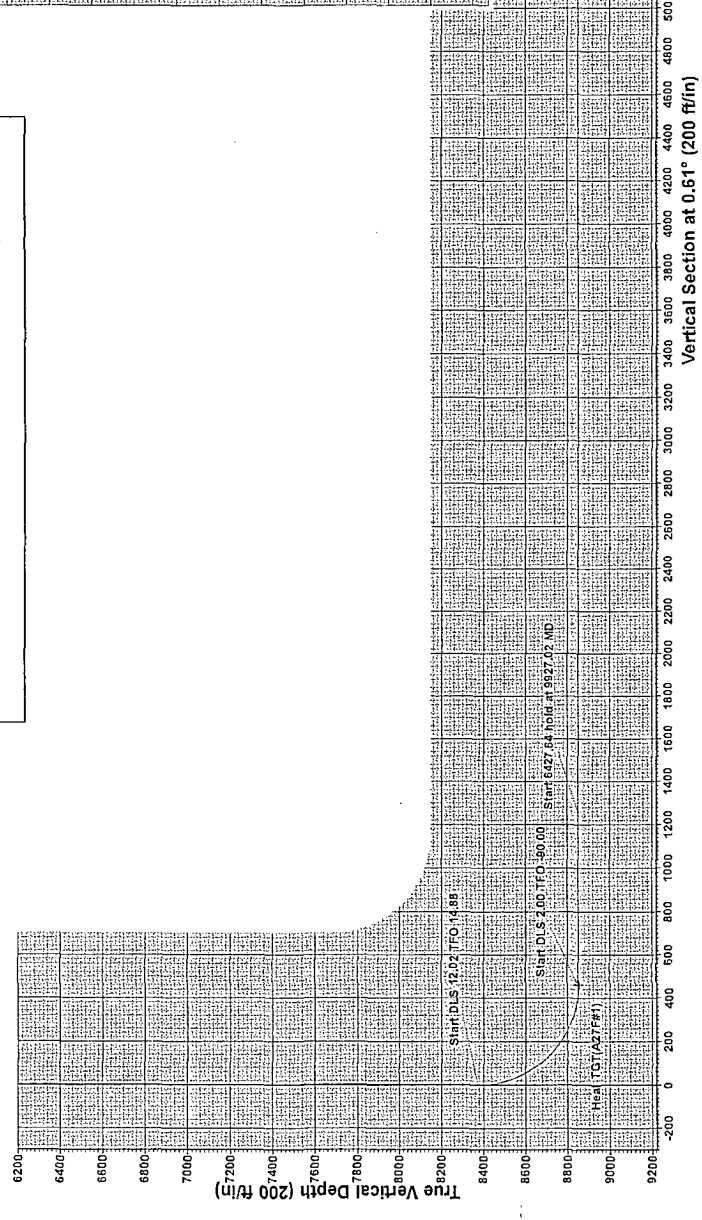
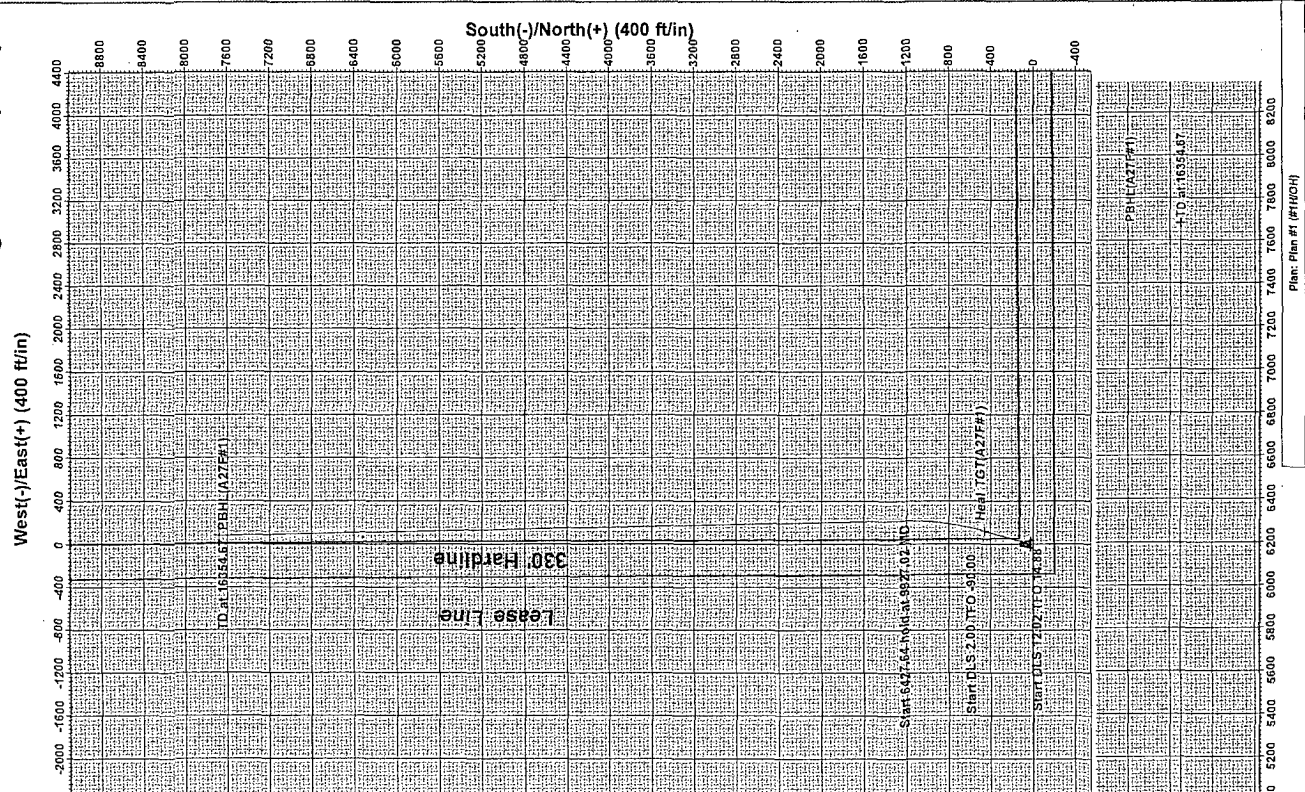
Azimuths to Grid North
 True North: -0.30°
 Magnetic North: 7.44°
 Magnetic Field
 Strength: 48716.25nT
 Dip Angle: 60.23°
 Date: 11/05/2010
 Model: IGRF200510

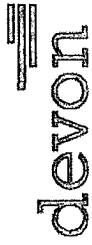


SECTION DETAILS									
Sec	MD	Inc	Azi	+E/W	TVD	+N/S	DLeg	Tface	VSec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	8373.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	8927.07	80.00	487.25	0.00	121.43	0.00	487.25	487.25	487.25
4	8927.07	80.00	358.78	0.00	8849.99	0.00	211.43	211.43	211.43
5	48354.67	80.00	358.78	0.00	8850.00	0.00	7683.92	7683.92	7683.92

Ground Elevation: 3404.10
 RKB Elevation: H&P #416 @ 3423.10R (25' KB Correction)
 Rig Name: 25' KB Correction
 +N/S: 0.00
 +E/W: 0.00
 Northing: 461950.836
 Easting: 714421.106
 Latitude: 32° 15' 7.447" N
 Longitude: 103° 45' 23.861" W
 Slot

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)					
Name	TVD	+E/W	+N/S	Easting	Northing
Heal TGT(A27F#1)	8850.00	122.43	462411.306	714548.530	Point
PBHL(A27F#1)	8850.00	7683.49	61.39	468634.070	Point





Pathfinder

Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	H&P #416 @ 3429.10ft (25' KB Correction)
Site:	Aldabra "27" Fed	MD Reference:	H&P #416 @ 3429.10ft (25' KB Correction)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	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	Northing:	461,950.580 ft	Latitude:	32° 16' 7.447 N
Site Position:		Easting:	714,427.100 ft	Longitude:	103° 46' 23.961 W
From:	Map	Slot Radius:	6-1/8 "	Grid Convergence:	0.30 °
Position Uncertainty:	2.00 ft				

Well	#1H	Wellhead Elevation:	ft	Ground Level:	3,404.10 ft
Well Position	+N/-S	0.00 ft			
	+E/-W	0.00 ft			
Position Uncertainty	0.00 ft				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Dip Angle (°)	Field Strength (nT)	
	IGRF200510	11/05/10	7.74	60.23	48,716

Design:	Plan #1				
Audit Notes:					
Version:					
Vertical Section:	Depth From (TVD) (ft)	Phase:	PLAN	Tie On Depth:	0.00
	0.00			+E/-W (ft)	0.00
				+N/-S (ft)	0.00
				Direction (°)	0.61

Survey Tool Program	Date	10/05/10			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	16,354.67	Plan #1 (OH)	Pathfinder	Pathfinder MWD	

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

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

Well #1H
H&P #416 @ 3429.10ft (25' KB Correction)
H&P #416 @ 3429.10ft (25' KB Correction)
Grid
Minimum Curvature
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	-3,429.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
100.00	0.00	0.00	100.00	-3,329.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
200.00	0.00	0.00	200.00	-3,229.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
300.00	0.00	0.00	300.00	-3,129.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
400.00	0.00	0.00	400.00	-3,029.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
500.00	0.00	0.00	500.00	-2,929.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
600.00	0.00	0.00	600.00	-2,829.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
700.00	0.00	0.00	700.00	-2,729.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
800.00	0.00	0.00	800.00	-2,629.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
900.00	0.00	0.00	900.00	-2,529.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
1,000.00	0.00	0.00	1,000.00	-2,429.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
1,100.00	0.00	0.00	1,100.00	-2,329.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
1,200.00	0.00	0.00	1,200.00	-2,229.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
1,300.00	0.00	0.00	1,300.00	-2,129.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
1,400.00	0.00	0.00	1,400.00	-2,029.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
1,500.00	0.00	0.00	1,500.00	-1,929.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
1,600.00	0.00	0.00	1,600.00	-1,829.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
1,700.00	0.00	0.00	1,700.00	-1,729.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
1,800.00	0.00	0.00	1,800.00	-1,629.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
1,900.00	0.00	0.00	1,900.00	-1,529.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
2,000.00	0.00	0.00	2,000.00	-1,429.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
2,100.00	0.00	0.00	2,100.00	-1,329.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
2,200.00	0.00	0.00	2,200.00	-1,229.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
2,300.00	0.00	0.00	2,300.00	-1,129.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
2,400.00	0.00	0.00	2,400.00	-1,029.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
2,500.00	0.00	0.00	2,500.00	-929.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
2,600.00	0.00	0.00	2,600.00	-829.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10



Pathfinder
Pathfinder X & Y Planning Report



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

Local Co-ordinate Reference: Well #1H
TVD Reference: H&P #416 @ 3429.10ft (25' KB Correction)
MD Reference: H&P #416 @ 3429.10ft (25' KB Correction)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	D Leg (°/100ft)	Northing (ft)	Easting (ft)
2,700.00	0.00	0.00	2,700.00	-729.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
2,800.00	0.00	0.00	2,800.00	-629.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
2,900.00	0.00	0.00	2,900.00	-529.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
3,000.00	0.00	0.00	3,000.00	-429.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
3,100.00	0.00	0.00	3,100.00	-329.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
3,200.00	0.00	0.00	3,200.00	-229.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
3,300.00	0.00	0.00	3,300.00	-129.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
3,400.00	0.00	0.00	3,400.00	-29.10	0.00	0.00	0.00	0.00	461,950.58	714,427.10
3,500.00	0.00	0.00	3,500.00	70.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
3,600.00	0.00	0.00	3,600.00	170.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
3,700.00	0.00	0.00	3,700.00	270.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
3,800.00	0.00	0.00	3,800.00	370.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
3,900.00	0.00	0.00	3,900.00	470.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
4,000.00	0.00	0.00	4,000.00	570.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
4,100.00	0.00	0.00	4,100.00	670.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
4,200.00	0.00	0.00	4,200.00	770.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
4,300.00	0.00	0.00	4,300.00	870.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
4,400.00	0.00	0.00	4,400.00	970.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
4,500.00	0.00	0.00	4,500.00	1,070.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
4,600.00	0.00	0.00	4,600.00	1,170.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
4,700.00	0.00	0.00	4,700.00	1,270.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
4,800.00	0.00	0.00	4,800.00	1,370.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
4,900.00	0.00	0.00	4,900.00	1,470.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
5,000.00	0.00	0.00	5,000.00	1,570.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
5,100.00	0.00	0.00	5,100.00	1,670.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
5,200.00	0.00	0.00	5,200.00	1,770.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
5,300.00	0.00	0.00	5,300.00	1,870.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10



Pathfinder
Pathfinder X & Y Planning Report



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Project: Eddy County
Site: Aldabra "27" Fed
Well: #1H
Wellbore: OH
Design: Plan #1

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

Well #1H
H&P #416 @ 3429.10ft (25' KB Correction)
H&P #416 @ 3429.10ft (25' KB Correction)
Grid
Minimum Curvature
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Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	D Leg (°/100ft)	Northing (ft)	Easting (ft)
5,400.00	0.00	0.00	5,400.00	1,970.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
5,500.00	0.00	0.00	5,500.00	2,070.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
5,600.00	0.00	0.00	5,600.00	2,170.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
5,700.00	0.00	0.00	5,700.00	2,270.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
5,800.00	0.00	0.00	5,800.00	2,370.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
5,900.00	0.00	0.00	5,900.00	2,470.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
6,000.00	0.00	0.00	6,000.00	2,570.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
6,100.00	0.00	0.00	6,100.00	2,670.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
6,200.00	0.00	0.00	6,200.00	2,770.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
6,300.00	0.00	0.00	6,300.00	2,870.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
6,400.00	0.00	0.00	6,400.00	2,970.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
6,500.00	0.00	0.00	6,500.00	3,070.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
6,600.00	0.00	0.00	6,600.00	3,170.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
6,700.00	0.00	0.00	6,700.00	3,270.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
6,800.00	0.00	0.00	6,800.00	3,370.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
6,900.00	0.00	0.00	6,900.00	3,470.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
7,000.00	0.00	0.00	7,000.00	3,570.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
7,100.00	0.00	0.00	7,100.00	3,670.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
7,200.00	0.00	0.00	7,200.00	3,770.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
7,300.00	0.00	0.00	7,300.00	3,870.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
7,400.00	0.00	0.00	7,400.00	3,970.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
7,500.00	0.00	0.00	7,500.00	4,070.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
7,600.00	0.00	0.00	7,600.00	4,170.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
7,700.00	0.00	0.00	7,700.00	4,270.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
7,800.00	0.00	0.00	7,800.00	4,370.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
7,900.00	0.00	0.00	7,900.00	4,470.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
8,000.00	0.00	0.00	8,000.00	4,570.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10



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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	D Leg (°/100ft)	Northing (ft)	Easting (ft)
8,100.00	0.00	0.00	8,100.00	4,670.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
8,200.00	0.00	0.00	8,200.00	4,770.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
8,300.00	0.00	0.00	8,300.00	4,870.90	0.00	0.00	0.00	0.00	461,950.58	714,427.10
8,373.30	0.00	0.00	8,373.30	4,944.20	0.00	0.00	0.00	0.00	461,950.58	714,427.10
8,375.00	0.20	14.88	8,375.00	4,945.90	0.00	0.00	0.00	12.02	461,950.58	714,427.10
8,400.00	3.21	14.88	8,399.99	4,970.89	0.72	0.19	0.72	12.02	461,951.30	714,427.29
8,425.00	6.21	14.88	8,424.90	4,995.80	2.71	0.72	2.71	12.02	461,953.29	714,427.82
8,450.00	9.22	14.88	8,449.67	5,020.57	5.95	1.58	5.97	12.02	461,956.53	714,428.68
8,475.00	12.22	14.88	8,474.23	5,045.13	10.44	2.78	10.47	12.02	461,961.02	714,429.88
8,500.00	15.23	14.88	8,498.51	5,069.41	16.18	4.30	16.22	12.02	461,966.76	714,431.40
8,525.00	18.23	14.88	8,522.45	5,093.35	23.13	6.15	23.20	12.02	461,973.71	714,433.25
8,550.00	21.24	14.88	8,545.98	5,116.88	31.29	8.31	31.38	12.02	461,981.87	714,435.41
8,575.00	24.24	14.88	8,569.04	5,139.94	40.63	10.80	40.74	12.02	461,991.21	714,437.90
8,600.00	27.25	14.88	8,591.55	5,162.45	51.12	13.59	51.26	12.02	462,001.70	714,440.69
8,625.00	30.25	14.88	8,613.47	5,184.37	62.74	16.67	62.92	12.02	462,013.32	714,443.77
8,650.00	33.26	14.88	8,634.72	5,205.62	75.46	20.05	75.66	12.02	462,026.04	714,447.15
8,675.00	36.26	14.88	8,655.26	5,226.16	89.23	23.71	89.48	12.02	462,039.81	714,450.81
8,700.00	39.27	14.88	8,675.02	5,245.92	104.03	27.64	104.31	12.02	462,054.61	714,454.74
8,725.00	42.27	14.88	8,693.95	5,264.85	119.80	31.84	120.13	12.02	462,070.38	714,458.94
8,750.00	45.28	14.88	8,712.00	5,282.90	136.52	36.28	136.89	12.02	462,087.10	714,463.38
8,775.00	48.28	14.88	8,729.12	5,300.02	154.12	40.96	154.55	12.02	462,104.70	714,468.06
8,800.00	51.29	14.88	8,745.26	5,316.16	172.57	45.86	173.04	12.02	462,123.15	714,472.96
8,825.00	54.29	14.88	8,760.38	5,331.28	191.81	50.97	192.34	12.02	462,142.39	714,478.07
8,850.00	57.30	14.88	8,774.43	5,345.33	211.79	56.28	212.37	12.02	462,162.37	714,483.38
8,875.00	60.30	14.88	8,787.38	5,358.28	232.45	61.77	233.09	12.02	462,183.03	714,488.87
8,900.00	63.31	14.88	8,799.19	5,370.09	253.74	67.43	254.44	12.02	462,204.32	714,494.53
8,925.00	66.31	14.88	8,809.83	5,380.73	275.60	73.24	276.36	12.02	462,226.18	714,500.34



Pathfinder

Pathfinder X & Y Planning Report



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Well #1H
H&P #416 @ 3429.10ft (25' KB Correction)
H&P #416 @ 3429.10ft (25' KB Correction)
Grid
Minimum Curvature
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Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	D Leg (°/100ft)	Northing (ft)	Easting (ft)
8,950.00	69.32	14.88	8,819.27	5,390.17	297.97	79.18	298.80	12.02	462,248.55	714,506.28
8,975.00	72.32	14.88	8,827.48	5,398.38	320.79	85.25	321.68	12.02	462,271.37	714,512.35
9,000.00	75.32	14.88	8,834.45	5,405.35	343.99	91.41	344.94	12.02	462,294.57	714,518.51
9,025.00	78.33	14.88	8,840.15	5,411.05	367.52	97.66	368.53	12.02	462,318.10	714,524.76
9,050.00	81.33	14.88	8,844.56	5,415.46	391.30	103.98	392.38	12.02	462,341.88	714,531.08
9,075.00	84.34	14.88	8,847.68	5,418.58	415.27	110.35	416.41	12.02	462,365.85	714,537.45
9,100.00	87.34	14.88	8,849.49	5,420.39	439.36	116.75	440.57	12.02	462,389.94	714,543.85
9,122.11	90.00	14.88	8,850.00	5,420.90	460.72	122.43	461.99	12.02	462,411.30	714,549.53
Heal TGT(A27F#1)										
9,200.00	90.00	13.32	8,850.00	5,420.90	536.26	141.41	537.73	2.00	462,486.84	714,568.51
9,300.00	90.00	11.32	8,850.00	5,420.90	633.95	162.75	635.64	2.00	462,584.53	714,589.85
9,400.00	90.00	9.32	8,850.00	5,420.90	732.33	180.67	734.20	2.00	462,682.91	714,607.77
9,500.00	90.00	7.32	8,849.99	5,420.89	831.27	195.15	833.29	2.00	462,781.85	714,622.25
9,600.00	90.00	5.32	8,849.99	5,420.89	930.66	206.16	932.79	2.00	462,881.24	714,633.26
9,700.00	90.00	3.32	8,849.99	5,420.89	1,030.37	213.70	1,032.57	2.00	462,980.95	714,640.80
9,800.00	90.00	1.32	8,849.99	5,420.89	1,130.28	217.75	1,132.52	2.00	463,080.86	714,644.85
9,900.00	90.00	359.32	8,849.99	5,420.89	1,230.27	218.32	1,232.52	2.00	463,180.85	714,645.42
9,927.02	90.00	358.78	8,849.99	5,420.89	1,257.29	217.87	1,259.53	2.00	463,207.87	714,644.97
10,000.00	90.00	358.78	8,849.99	5,420.89	1,330.25	216.32	1,332.47	0.00	463,280.83	714,643.42
10,100.00	90.00	358.78	8,849.99	5,420.89	1,430.23	214.20	1,432.42	0.00	463,380.81	714,641.30
10,200.00	90.00	358.78	8,849.99	5,420.89	1,530.21	212.08	1,532.37	0.00	463,480.79	714,639.18
10,300.00	90.00	358.78	8,849.99	5,420.89	1,630.19	209.95	1,632.32	0.00	463,580.77	714,637.05
10,400.00	90.00	358.78	8,849.99	5,420.89	1,730.16	207.83	1,732.27	0.00	463,680.74	714,634.93
10,500.00	90.00	358.78	8,849.99	5,420.89	1,830.14	205.71	1,832.22	0.00	463,780.72	714,632.81
10,600.00	90.00	358.78	8,849.99	5,420.89	1,930.12	203.58	1,932.17	0.00	463,880.70	714,630.68
10,700.00	90.00	358.78	8,849.99	5,420.89	2,030.09	201.46	2,032.12	0.00	463,980.67	714,628.56
10,800.00	90.00	358.78	8,849.99	5,420.89	2,130.07	199.34	2,132.06	0.00	464,080.65	714,626.44



Pathfinder

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H&P #416 @ 3429.10ft (25' KB Correction)
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MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	D Leg (°/100ft)	Northing (ft)	Easting (ft)
10,900.00	90.00	358.78	8,849.99	5,420.89	2,230.05	197.21	2,232.01	0.00	464,180.63	714,624.31
11,000.00	90.00	358.78	8,849.99	5,420.89	2,330.03	195.09	2,331.96	0.00	464,280.61	714,622.19
11,100.00	90.00	358.78	8,849.99	5,420.89	2,430.00	192.97	2,431.91	0.00	464,380.58	714,620.07
11,200.00	90.00	358.78	8,849.99	5,420.89	2,529.98	190.84	2,531.86	0.00	464,480.56	714,617.94
11,300.00	90.00	358.78	8,849.99	5,420.89	2,629.96	188.72	2,631.81	0.00	464,580.54	714,615.82
11,400.00	90.00	358.78	8,849.99	5,420.89	2,729.94	186.60	2,731.76	0.00	464,680.52	714,613.70
11,500.00	90.00	358.78	8,849.99	5,420.89	2,829.91	184.47	2,831.71	0.00	464,780.49	714,611.57
11,600.00	90.00	358.78	8,849.99	5,420.89	2,929.89	182.35	2,931.66	0.00	464,880.47	714,609.45
11,700.00	90.00	358.78	8,849.99	5,420.89	3,029.87	180.23	3,031.61	0.00	464,980.45	714,607.33
11,800.00	90.00	358.78	8,849.99	5,420.89	3,129.85	178.10	3,131.56	0.00	465,080.43	714,605.20
11,900.00	90.00	358.78	8,849.99	5,420.89	3,229.82	175.98	3,231.51	0.00	465,180.40	714,603.08
12,000.00	90.00	358.78	8,849.99	5,420.89	3,329.80	173.86	3,331.46	0.00	465,280.38	714,600.96
12,100.00	90.00	358.78	8,849.99	5,420.89	3,429.78	171.73	3,431.41	0.00	465,380.36	714,598.83
12,200.00	90.00	358.78	8,850.00	5,420.90	3,529.76	169.61	3,531.36	0.00	465,480.34	714,596.71
12,300.00	90.00	358.78	8,850.00	5,420.90	3,629.73	167.49	3,631.30	0.00	465,580.31	714,594.59
12,400.00	90.00	358.78	8,850.00	5,420.90	3,729.71	165.36	3,731.25	0.00	465,680.29	714,592.46
12,500.00	90.00	358.78	8,850.00	5,420.90	3,829.69	163.24	3,831.20	0.00	465,780.27	714,590.34
12,600.00	90.00	358.78	8,850.00	5,420.90	3,929.67	161.12	3,931.15	0.00	465,880.25	714,588.22
12,700.00	90.00	358.78	8,850.00	5,420.90	4,029.64	158.99	4,031.10	0.00	465,980.22	714,586.09
12,800.00	90.00	358.78	8,850.00	5,420.90	4,129.62	156.87	4,131.05	0.00	466,080.20	714,583.97
12,900.00	90.00	358.78	8,850.00	5,420.90	4,229.60	154.75	4,231.00	0.00	466,180.18	714,581.85
13,000.00	90.00	358.78	8,850.00	5,420.90	4,329.58	152.62	4,330.95	0.00	466,280.16	714,579.72
13,100.00	90.00	358.78	8,850.00	5,420.90	4,429.55	150.50	4,430.90	0.00	466,380.13	714,577.60
13,200.00	90.00	358.78	8,850.00	5,420.90	4,529.53	148.38	4,530.85	0.00	466,480.11	714,575.48
13,300.00	90.00	358.78	8,850.00	5,420.90	4,629.51	146.25	4,630.80	0.00	466,580.09	714,573.35
13,400.00	90.00	358.78	8,850.00	5,420.90	4,729.49	144.13	4,730.75	0.00	466,680.07	714,571.23
13,500.00	90.00	358.78	8,850.00	5,420.90	4,829.46	142.01	4,830.70	0.00	466,780.04	714,569.11



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MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
13,600.00	90.00	358.78	8,850.00	5,420.90	4,929.44	139.88	4,930.65	0.00	466,880.02	714,566.98
13,700.00	90.00	358.78	8,850.00	5,420.90	5,029.42	137.76	5,030.60	0.00	466,980.00	714,564.86
13,800.00	90.00	358.78	8,850.00	5,420.90	5,129.40	135.64	5,130.54	0.00	467,079.98	714,562.74
13,900.00	90.00	358.78	8,850.00	5,420.90	5,229.37	133.51	5,230.49	0.00	467,179.95	714,560.61
14,000.00	90.00	358.78	8,850.00	5,420.90	5,329.35	131.39	5,330.44	0.00	467,279.93	714,558.49
14,100.00	90.00	358.78	8,850.00	5,420.90	5,429.33	129.27	5,430.39	0.00	467,379.91	714,556.37
14,200.00	90.00	358.78	8,850.00	5,420.90	5,529.31	127.14	5,530.34	0.00	467,479.89	714,554.24
14,300.00	90.00	358.78	8,850.00	5,420.90	5,629.28	125.02	5,630.29	0.00	467,579.86	714,552.12
14,400.00	90.00	358.78	8,850.00	5,420.90	5,729.26	122.90	5,730.24	0.00	467,679.84	714,550.00
14,500.00	90.00	358.78	8,850.00	5,420.90	5,829.24	120.77	5,830.19	0.00	467,779.82	714,547.87
14,600.00	90.00	358.78	8,850.00	5,420.90	5,929.22	118.65	5,930.14	0.00	467,879.80	714,545.75
14,700.00	90.00	358.78	8,850.00	5,420.90	6,029.19	116.52	6,030.09	0.00	467,979.77	714,543.62
14,800.00	90.00	358.78	8,850.00	5,420.90	6,129.17	114.40	6,130.04	0.00	468,079.75	714,541.50
14,900.00	90.00	358.78	8,850.00	5,420.90	6,229.15	112.28	6,229.99	0.00	468,179.73	714,539.38
15,000.00	90.00	358.78	8,850.00	5,420.90	6,329.13	110.15	6,329.94	0.00	468,279.71	714,537.25
15,100.00	90.00	358.78	8,850.00	5,420.90	6,429.10	108.03	6,429.89	0.00	468,379.68	714,535.13
15,200.00	90.00	358.78	8,850.00	5,420.90	6,529.08	105.91	6,529.84	0.00	468,479.66	714,533.01
15,300.00	90.00	358.78	8,850.00	5,420.90	6,629.06	103.78	6,629.79	0.00	468,579.64	714,530.88
15,400.00	90.00	358.78	8,850.00	5,420.90	6,729.04	101.66	6,729.73	0.00	468,679.62	714,528.76
15,500.00	90.00	358.78	8,850.00	5,420.90	6,829.01	99.54	6,829.68	0.00	468,779.59	714,526.64
15,600.00	90.00	358.78	8,850.00	5,420.90	6,928.99	97.41	6,929.63	0.00	468,879.57	714,524.51
15,700.00	90.00	358.78	8,850.00	5,420.90	7,028.97	95.29	7,029.58	0.00	468,979.55	714,522.39
15,800.00	90.00	358.78	8,850.00	5,420.90	7,128.95	93.17	7,129.53	0.00	469,079.53	714,520.27
15,900.00	90.00	358.78	8,850.00	5,420.90	7,228.92	91.04	7,229.48	0.00	469,179.50	714,518.14
16,000.00	90.00	358.78	8,850.00	5,420.90	7,328.90	88.92	7,329.43	0.00	469,279.48	714,516.02
16,100.00	90.00	358.78	8,850.00	5,420.90	7,428.88	86.80	7,429.38	0.00	469,379.46	714,513.90
16,200.00	90.00	358.78	8,850.00	5,420.90	7,528.85	84.67	7,529.33	0.00	469,479.43	714,511.77



Pathfinder
Pathfinder X & Y Planning Report



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

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

Well #1H
H&P #416 @ 3429.10ft (25' KB Correction)
H&P #416 @ 3429.10ft (25' KB Correction)
Grid
Minimum Curvature
Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	D Leg (°/100ft)	Northing (ft)	Easting (ft)
16,300.00	90.00	358.78	8,850.00	5,420.90	7,628.83	82.55	7,629.28	0.00	469,579.41	714,509.65
16,354.67	90.00	358.78	8,850.00	5,420.90	7,683.49	81.39	7,683.92	0.00	469,634.07	714,508.49

PBHL(A27F#1)

Targets

Target Name	Dip Angle (°)	Dip Dir: (°)	TVD (ft)	+N/S (ft)	+E/W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL(A27F#1)	0.00	0.00	8,850.00	7,683.49	81.39	469,634.070	714,508.490	32° 17' 23.475 N	103° 46' 22.546 W
- plan hits target center									
- Point									
Heal TGT(A27F#1)	0.00	0.00	8,850.00	460.72	122.43	462,411.300	714,549.530	32° 16' 12.000 N	103° 46' 22.507 W
- plan hits target center									
- Point									

Checked By: _____

Approved By: _____

Date: _____

NOTES REGARDING BLOWOUT PREVENTERS

Devon Energy Production Company, LP

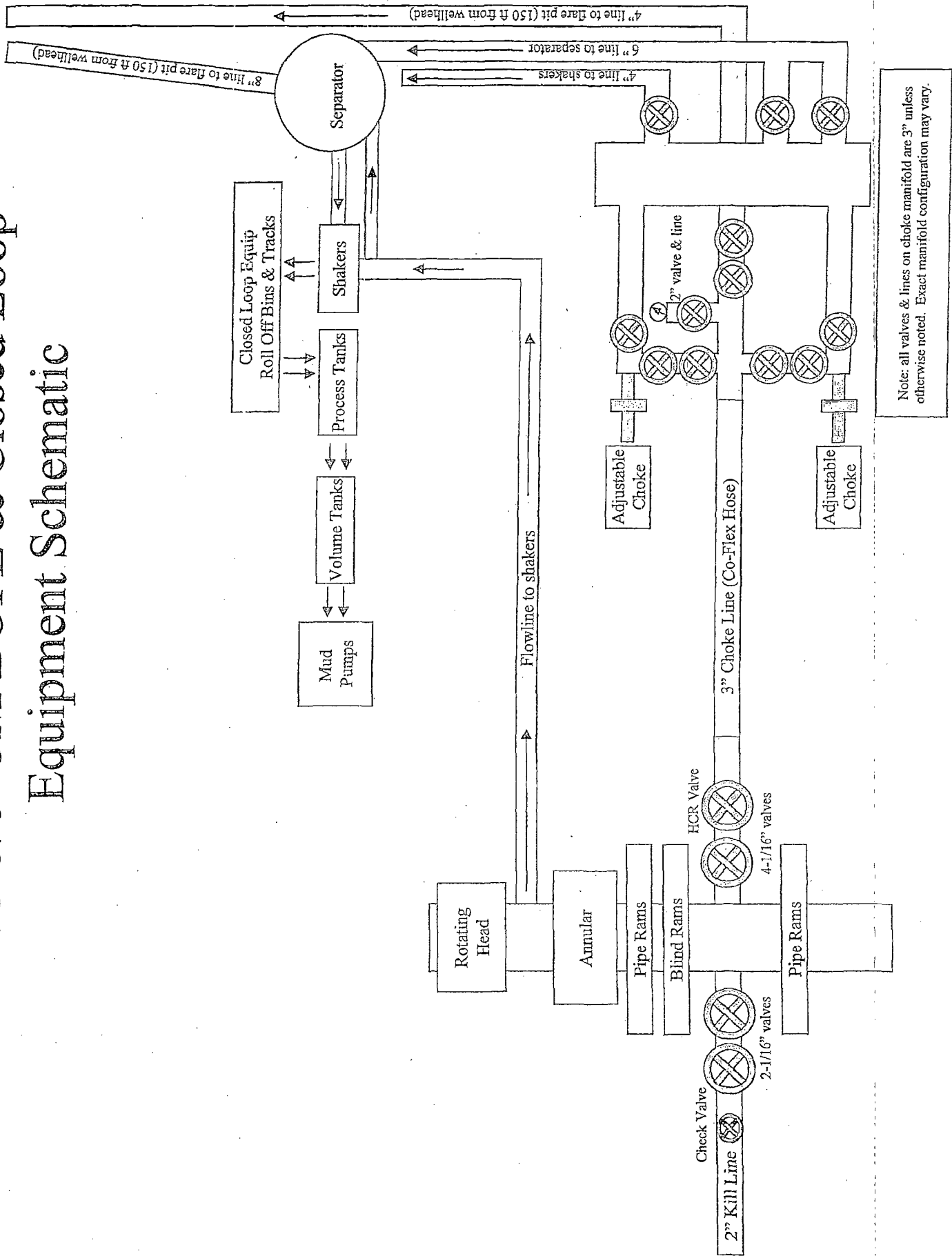
Aldabra 27 Fed Com 1H

Surface Location: 200' FSL & 275' FWL, Unit M, Sec 27 T23S R31E, Eddy, NM

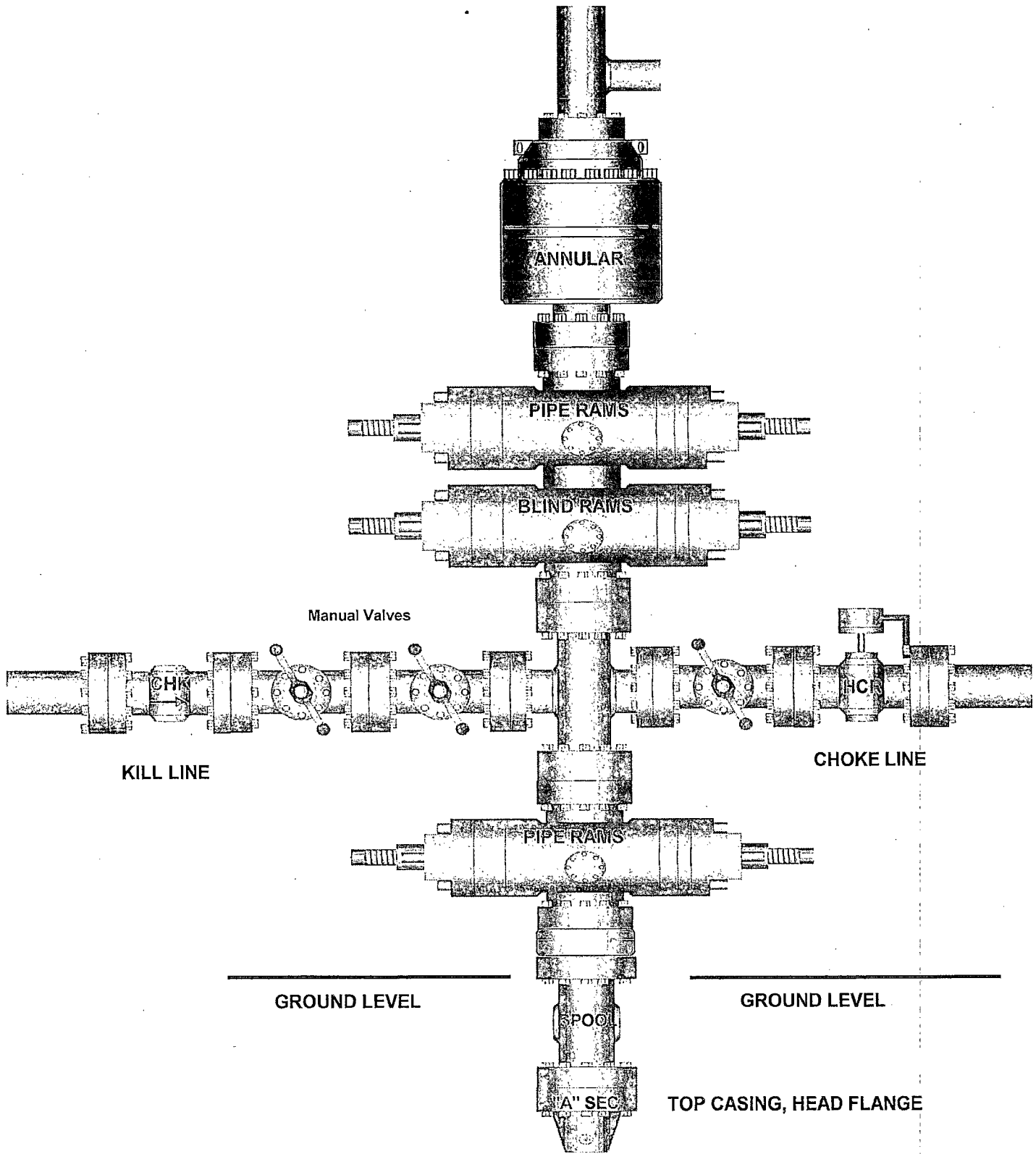
Bottom Hole Location: 2600' FSL & 400' FWL, Unit L, Sec 22 T23S R31E, Eddy, NM

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" 3M BOPE & Closed Loop Equipment Schematic



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





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.

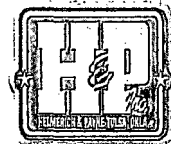
Should you have any questions or require any additional information/clarifications then please do not hesitate to contact us.

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,
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Fax: +1 (832) 327-0148
www.contitechbeattie.com



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

DISTRICT I --- CHECKLIST FOR INTENTS TO DRILL

Operator DEVON ENERGY PROD CO LP OGRID # 6137
 38560 Well Name & # ALDABRAA 27 FED COM A 1 H 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 3/30/11 C101 reviewed 3/31

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

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

2. Inactive Well list as of: 3/30/11 # wells 1499 # Inactive wells 3

a. District Grant APD but see number of inactive wells:

No letter required X Sent Letter to Operator 3, to Santa Fe 3

3. Additional Bonding as of: 3/30/11

a. District Denial because operator needs addition bonding:

No Letter required X Sent Letter to Operator 3, To Santa Fe 3

b. District Denial because of Inactive well list and Financial Assurance:

No Letter required X Sent Letter to Operator 3, To Santa Fe 3

C. C102 YES X, NO 3, Signature 3

1. Pool WILDCAT; BONE SHINE Code 96403

a. Dedicated acreage 240, What Units 22: LM; 27: DECM

b. SUR. Location Standard 3: Non-Standard Location X PP Standard X

c. Well shares acres: Yes X, No 3, # of wells 3 plus this well # #217

2. 2nd. Operator in same acreage, Yes 3, No 3

Agreement Letter 3, Disagreement letter 3

3. Intent to Directional Drill Yes X, No 3

a. Dedicated acreage 240, What Units 22: LM; 27: DECM

b. Bottomhole Location Standard 3, Non-Standard Bottomhole X

4. Downhole Commingle: Yes 3, No X

a. Pool #2 3, Code 3, Acres 3

Pool #3 3, Code 3, Acres 3

Pool #4 3, Code 3, Acres 3

5. POTASH Area Yes 3, No FED

D. Blowout Preventer Yes X, No 3

E. H2S Yes X, No Part of FED

F. C144 Pit Registration Yes 3, No X need

G. Does APD require Santa Fe Approval:

1. Non-Standard Location: Yes X, No 3, NSL # 3

2. Non-Standard Proration: Yes 3, No X, NSP # 3

3. Simultaneous Dedication: Yes 3, No X, SD # 3

Number of wells 3 Plus # 3

4. Injection order Yes 3, No X; PMX # 3 or WFX # 3

5. SWD order Yes 3, NO X; SWD # 3

6. DHC from SF 3; DHC-HOB 3; Holding 3

7. OCD Approval Date 3/30/11

API #30-014--38625

8. Reviewers 3