

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0135
EXPIRES: March 31, 2007Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE

RECEIVED

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other

JUL 23 2010

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY, LP

NMOCD ARTESIA

3. Address and Telephone No.

20 N. Broadway, Oklahoma City, Ok 73102-8260 405-235-3611

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
340 FSL 340 FEL P 7 T19S R31E

5. Lease Serial No.

NMNM-54113

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Well Name and No.

Strawberry 7 Federal 4H

9. API Well No.

37258
30-015-36828

10. Field and Pool, or Exploratory

Hackberry; Bone Spring North

11. County or Parish State

Eddy NM

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

TYPE OF SUBMISSION

- ☒
- Notice of Intent
-
- ☐
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☐ Other |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal deepens directionally or recompletes horizontally, give subsurface location and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirement, including reclamation, have been completed, and the operator has

Devon Energy Production Company L. P. respectfully request to change the Casing Program of the original APD to read as follows:

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Csg Interval</u>	<u>Wt</u>	<u>Collar</u>	<u>Grade</u>
8 3/4"	0-13,090	5 1/2"	0-13,090	17#	BTC	P-110

Note: An 8 3/4" vertical pilot hole will be drilled to 9200' TVD/TMD. The PH will be plugged from 9200' to KOP @ 8252'.

Design Factors:

<u>Casing Size</u>	<u>Collapse Dsgn Factor</u>	<u>Burst Dsgn Factor</u>	<u>Tension Dsgn Factor</u>
5 1/2" 17# P-110 BTC	1.81	2.58	2.55

(See Attached sheet)

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

Signed: Judy A. Barnett Name: Judy A. Barnett Title: Regulatory Analyst Date: 6/16/2010

(This space for Federal or State Office use)

Approved by: [Signature] Title: [Signature]

Conditions of approval, if any:

JUL 12 2010 Date

/s/ Dustin Winkler

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0137
Expires March 31, 2007**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.5 Lease Serial No NMNM-54113
6 If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2 Name of Operator
Devon Energy Production Co., LP3a. Address
20 North Broadway
OKC, OK 731023b. Phone No (include area code)
(405)-552-78024 Location of Well (Footage, Sec, T., R., M., or Survey Description)
Sec 7-T19S-R31E
SL 340' FSL & 340' FEL

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

8 Well Name and No
Strawberry 7 Federal 4H

9 API Well No 30-015-37258

10 Field and Pool or Exploratory Area
Hackberry; Bone Springs, North11. Country or Parish, State
Eddy County, NM

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

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

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

Devon Energy Production Company, LP respectfully advises and provides a corrected C-102 for the revised BHL for the above location:

Revised BHL: Sec 7-T19S-R31E 540' FSL & 340' FWL

(see revised C-102)

See sundry previously submitted to the BLM hardcopy 06/17/2010 to Dustin Winkler and approved by the BLM. Directional sundry had been submitted but the C-102 was inadvertently left out.

14 I hereby certify that the foregoing is true and correct

Name (Printed/Typed)
Stephanie A. Ysasaga

Title Sr. Staff Engineering Technician

Signature

Date 06/23/2010

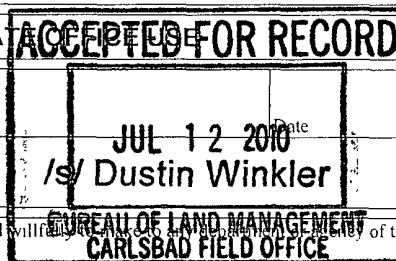
THIS SPACE FOR FEDERAL OR STATE OFFICIAL USE

Approved by

Title

Office

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



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 any statement of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1901 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-37258	Pool Code	Pool Name HACKBERRY; BONE SPRING, NORTH
Property Code	Property Name STRAWBERRY "7" FEDERAL	Well Number 4H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY LP	Elevation 3455'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	7	19 S	31 E		340	SOUTH	340	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	7	19 S	31 E		540	SOUTH	340	WEST	EDDY
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GRID N: 612135.214 GRID E: 669456.978 LATITUDE: 32°40'55.608" LONGITUDE: -103°55'00.805" GRID N: 612156.539 GRID E: 671823.399 LATITUDE: 32°40'55.716" LONGITUDE: -103°54'31.344" GRID N: 612177.591 GRID E: 674823.315 LATITUDE: 32°40'55.821" LONGITUDE: -103°54'00.454" GRID N: 608495.509 GRID E: 669493.133 LATITUDE: 32°40'29.436" LONGITUDE: -103°55'00.931" GRID N: 608538.094 GRID E: 674842.187 LATITUDE: 32°40'29.702" LONGITUDE: -103°54'00.380" PROPOSED BOTTOM HOLE LOCATION Lat - N32°40'08.73" Long - W103°54'56.97" SPC- N.: 607398.883 E.: 669811.612 (NAD-83) SURFACE LOCATION Lat - N32°40'06.93" Long - W103°54'04.28" SPC- N.: 607233.892 E.: 674319.009 (NAD-83) CALCULATED CORNER GRID N: 608658.239 GRID E: 669473.287 LATITUDE: 32°40'03.35" LONGITUDE: -103°55'00.85" GRID N: 608878.024 GRID E: 672020.210 LATITUDE: 32°40'03.466" LONGITUDE: -103°54'31.160" GRID N: 608898.542 GRID E: 674661.462 LATITUDE: 32°40'03.563" LONGITUDE: -103°54'00.280"	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>[Signature]</i> 05/28/2010 Signature Date STEPHANIE A. YSASAGA Printed Name SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. NOVEMBER 14 2008 Date Surveyed Signature of Surveyor Professional Surveyor W.O. [Signature] Certificate No. Gary L. Jones 7977 BASIN SURVEYS
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STRAWBERRY 7 FED COM 4H – DRILLING SUNDRY

API#30-015-37258

6/16/10

Page 2

Pressure Control Equipment:

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

The BOP system used to drill the production hole will consist of an **11" 5M Double Ram and Annular preventer** (see attached schematic). The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a **5M system** prior to drilling out the intermediate casing shoe.

Cementing Program

13-3/8" Surface

Lead: 290 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

5-1/2" Production

1st Stage

Lead: 935 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:** 2.0 cf/sk

Tail: 1,285 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 ~4,400 ft

2nd Stage

Lead: 195 sacks Class C Cement + 1% bwow Calcium Chloride + 0.125 lbs/sack Cello Flake + 157.8% Fresh Water, 11.4 ppg **Yield:** 2.89 cf/sk
TOC @ 2,650 ft (500 ft above 9-5/8" shoe)

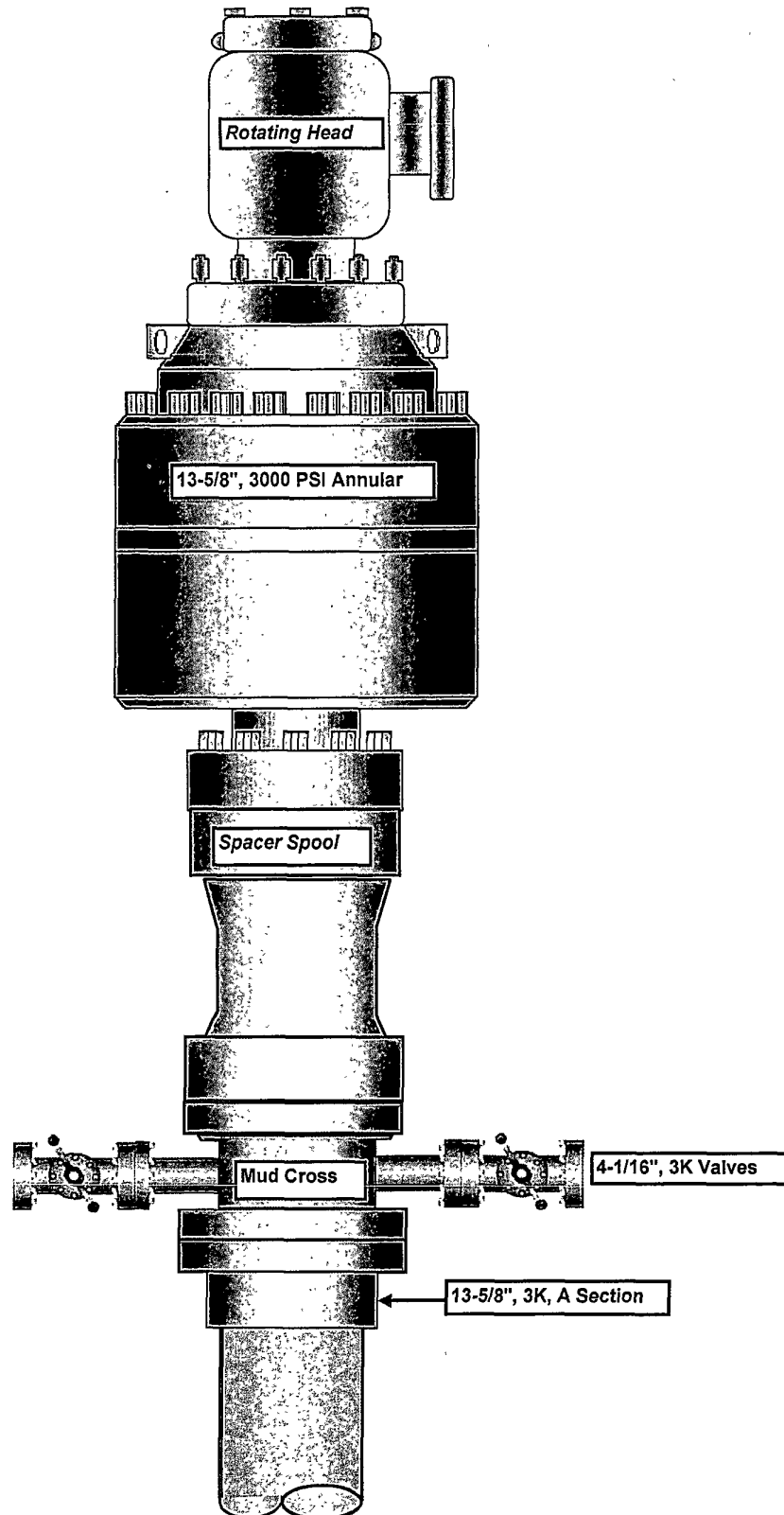
Tail: 150 sacks (60:40) Poz (Fly Ash):Class C Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 63.2% Fresh Water, 13.8 ppg **Yield:** 1.38 cf/sk

8-3/4" Pilot Hole Plug

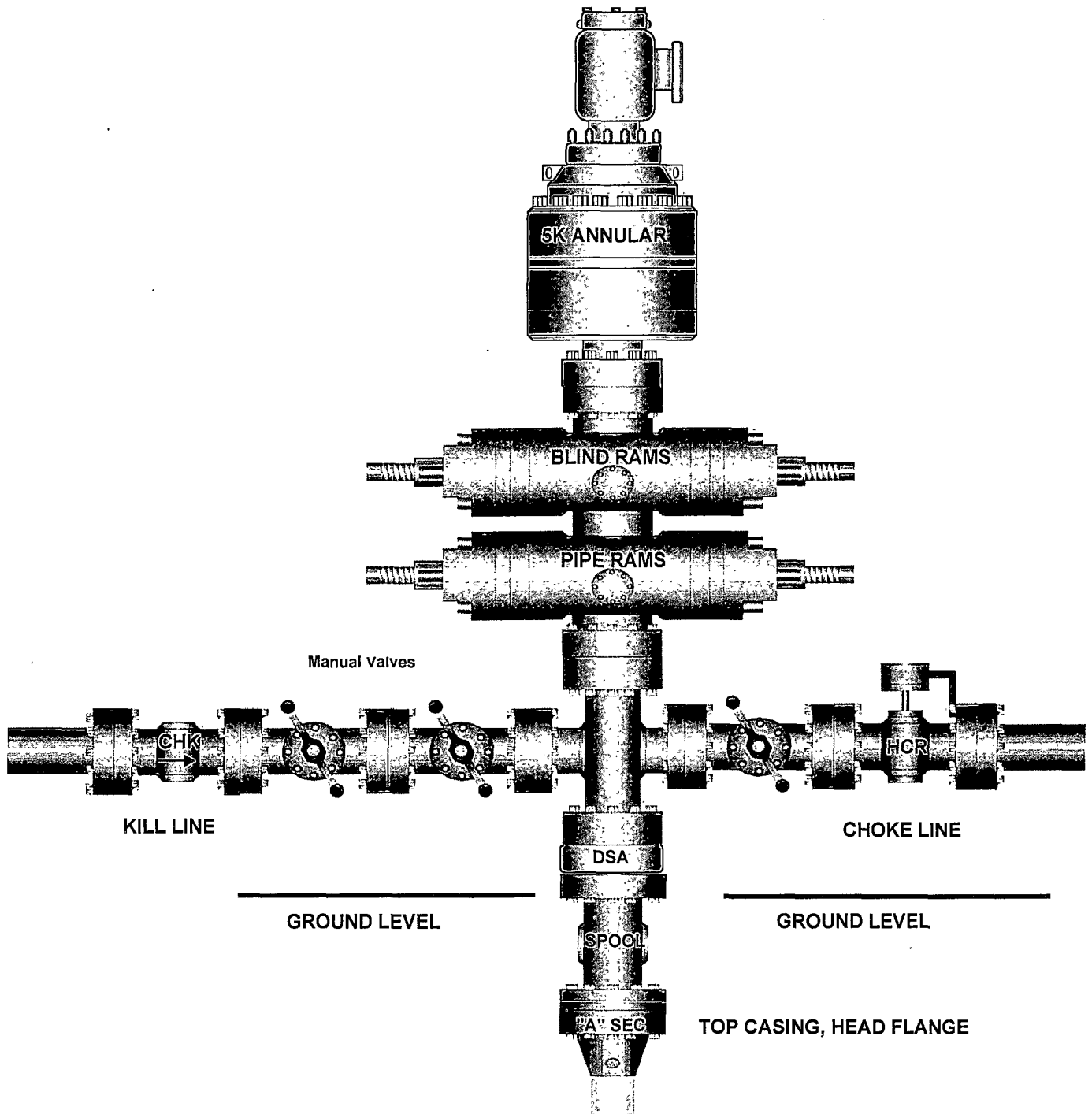
600 sacks Class H Cement, 18.0 ppg, 0.90 cf/sk
Bottom of Plug: 9,200 ft
Top of Plug: KOP (approx 8,250 ft)

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

13-5/8" 3K Annular



11" x 5,000 psi BOP Stack





Devon Energy, Inc.

Eddy County

Strawberry "7" Federal Com

#4H

OH

Plan: Plan #1

Pathfinder X & Y Planning Report

14 June, 2010



Pathfinder
Pathfinder X & Y Planning Report



Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County	TVD Reference:	WELL @ 3470.00ft (15' KB Correction)
Site:	Strawberry "7" Federal Com	MD Reference:	WELL @ 3470.00ft (15' KB Correction)
Well:	#4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

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

Site		Strawberry "7" Federal Com									
Site Position:		Northing:		607,233.892 ft		Latitude:		32° 40' 6.915 N			
From:		Map		Easting:		674,319.009 ft		Longitude:		103° 54' 4.250 W	
Position Uncertainty:		0.00 ft		Slot Radius:		"		Grid Convergence:		0.23 °	

Well	#4H					
Well Position	+N/-S	0.00 ft	Northing:	607,233.892 ft	Latitude:	32° 40' 6.915 N
	+E/-W	0.00 ft	Easting:	674,319.009 ft	Longitude:	103° 54' 4.250 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,455.00 ft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	06/30/2010	7.87	60.59	48,976

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	272.10

Survey Tool Program		Date	06/14/2010		
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
0.00	13,089.57	Plan #1 (OH)	Pathfinder	Pathfinder MWD	



Pathfinder
Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.
Project: Eddy County
Site: Strawberry "7" Federal Com
Well: #4H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #4H
TVD Reference: WELL @ 3470.00ft (15' KB Correction)
MD Reference: WELL @ 3470.00ft (15' 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)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
0.00	0.00	0.00	0.00	-3,470.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
100.00	0.00	0.00	100.00	-3,370.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
200.00	0.00	0.00	200.00	-3,270.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
300.00	0.00	0.00	300.00	-3,170.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
400.00	0.00	0.00	400.00	-3,070.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
500.00	0.00	0.00	500.00	-2,970.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
600.00	0.00	0.00	600.00	-2,870.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
700.00	0.00	0.00	700.00	-2,770.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
800.00	0.00	0.00	800.00	-2,670.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
900.00	0.00	0.00	900.00	-2,570.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
1,000.00	0.00	0.00	1,000.00	-2,470.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
1,100.00	0.00	0.00	1,100.00	-2,370.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
1,200.00	0.00	0.00	1,200.00	-2,270.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
1,300.00	0.00	0.00	1,300.00	-2,170.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
1,400.00	0.00	0.00	1,400.00	-2,070.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
1,500.00	0.00	0.00	1,500.00	-1,970.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
1,600.00	0.00	0.00	1,600.00	-1,870.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
1,700.00	0.00	0.00	1,700.00	-1,770.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
1,800.00	0.00	0.00	1,800.00	-1,670.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
1,900.00	0.00	0.00	1,900.00	-1,570.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
2,000.00	0.00	0.00	2,000.00	-1,470.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
2,100.00	0.00	0.00	2,100.00	-1,370.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
2,200.00	0.00	0.00	2,200.00	-1,270.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
2,300.00	0.00	0.00	2,300.00	-1,170.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
2,400.00	0.00	0.00	2,400.00	-1,070.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
2,500.00	0.00	0.00	2,500.00	-970.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
2,600.00	0.00	0.00	2,600.00	-870.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01



Pathfinder Pathfinder X & Y Planning Report



Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County	TVD Reference:	WELL @ 3470.00ft (15' KB Correction)
Site:	Strawberry "7" Federal Com	MD Reference:	WELL @ 3470.00ft (15' KB Correction)
Well:	#4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
2,700.00	0.00	0.00	2,700.00	-770.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
2,800.00	0.00	0.00	2,800.00	-670.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
2,900.00	0.00	0.00	2,900.00	-570.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
3,000.00	0.00	0.00	3,000.00	-470.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
3,100.00	0.00	0.00	3,100.00	-370.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
3,200.00	0.00	0.00	3,200.00	-270.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
3,300.00	0.00	0.00	3,300.00	-170.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
3,400.00	0.00	0.00	3,400.00	-70.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
3,500.00	0.00	0.00	3,500.00	30.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
3,600.00	0.00	0.00	3,600.00	130.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
3,700.00	0.00	0.00	3,700.00	230.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
3,800.00	0.00	0.00	3,800.00	330.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
3,900.00	0.00	0.00	3,900.00	430.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
4,000.00	0.00	0.00	4,000.00	530.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
4,100.00	0.00	0.00	4,100.00	630.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
4,200.00	0.00	0.00	4,200.00	730.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
4,300.00	0.00	0.00	4,300.00	830.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
4,400.00	0.00	0.00	4,400.00	930.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
4,500.00	0.00	0.00	4,500.00	1,030.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
4,600.00	0.00	0.00	4,600.00	1,130.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
4,700.00	0.00	0.00	4,700.00	1,230.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
4,800.00	0.00	0.00	4,800.00	1,330.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
4,900.00	0.00	0.00	4,900.00	1,430.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
5,000.00	0.00	0.00	5,000.00	1,530.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
5,100.00	0.00	0.00	5,100.00	1,630.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
5,200.00	0.00	0.00	5,200.00	1,730.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
5,300.00	0.00	0.00	5,300.00	1,830.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	



Pathfinder Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.
Project: Eddy County
Site: Strawberry "7" Federal Com
Well: #4H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #4H
TVD Reference: WELL @ 3470.00ft (15' KB Correction)
MD Reference: WELL @ 3470.00ft (15' 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)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
5,400.00	0.00	0.00	5,400.00	1,930.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
5,500.00	0.00	0.00	5,500.00	2,030.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
5,600.00	0.00	0.00	5,600.00	2,130.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
5,700.00	0.00	0.00	5,700.00	2,230.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
5,800.00	0.00	0.00	5,800.00	2,330.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
5,900.00	0.00	0.00	5,900.00	2,430.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
6,000.00	0.00	0.00	6,000.00	2,530.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
6,100.00	0.00	0.00	6,100.00	2,630.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
6,200.00	0.00	0.00	6,200.00	2,730.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
6,300.00	0.00	0.00	6,300.00	2,830.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
6,400.00	0.00	0.00	6,400.00	2,930.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
6,500.00	0.00	0.00	6,500.00	3,030.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
6,600.00	0.00	0.00	6,600.00	3,130.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
6,700.00	0.00	0.00	6,700.00	3,230.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
6,800.00	0.00	0.00	6,800.00	3,330.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
6,900.00	0.00	0.00	6,900.00	3,430.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
7,000.00	0.00	0.00	7,000.00	3,530.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
7,100.00	0.00	0.00	7,100.00	3,630.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
7,200.00	0.00	0.00	7,200.00	3,730.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
7,300.00	0.00	0.00	7,300.00	3,830.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
7,400.00	0.00	0.00	7,400.00	3,930.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
7,500.00	0.00	0.00	7,500.00	4,030.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
7,600.00	0.00	0.00	7,600.00	4,130.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
7,700.00	0.00	0.00	7,700.00	4,230.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
7,800.00	0.00	0.00	7,800.00	4,330.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
7,900.00	0.00	0.00	7,900.00	4,430.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	
8,000.00	0.00	0.00	8,000.00	4,530.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01	



Pathfinder
Pathfinder X & Y Planning Report



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Project: Eddy County
Site: Strawberry "7" Federal Com
Well: #4H
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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)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
8,100.00	0.00	0.00	8,100.00	4,630.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
8,200.00	0.00	0.00	8,200.00	4,730.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
8,252.00	0.00	0.00	8,252.00	4,782.00	0.00	0.00	0.00	0.00	607,233.89	674,319.01
KOP-8252.00°MD,0.00°INC,0.00°AZI,8252.00°TVD										
8,300.00	4.80	272.10	8,299.94	4,829.94	0.07	-2.01	2.01	10.00	607,233.97	674,317.00
8,350.00	9.80	272.10	8,349.52	4,879.52	0.31	-8.35	8.36	10.00	607,234.20	674,310.65
8,400.00	14.80	272.10	8,398.36	4,928.36	0.70	-18.99	19.01	10.00	607,234.59	674,300.01
8,450.00	19.80	272.10	8,446.08	4,976.08	1.24	-33.85	33.87	10.00	607,235.13	674,285.16
8,500.00	24.80	272.10	8,492.33	5,022.33	1.94	-52.80	52.83	10.00	607,235.83	674,266.21
8,550.00	29.80	272.10	8,536.75	5,066.75	2.78	-75.71	75.76	10.00	607,236.67	674,243.30
8,600.00	34.80	272.10	8,579.00	5,109.00	3.75	-102.40	102.46	10.00	607,237.65	674,216.61
8,650.00	39.80	272.10	8,618.76	5,148.76	4.86	-132.66	132.75	10.00	607,238.76	674,186.35
8,700.00	44.80	272.10	8,655.73	5,185.73	6.10	-166.28	166.39	10.00	607,239.99	674,152.73
8,750.00	49.80	272.10	8,689.63	5,219.63	7.44	-202.98	203.12	10.00	607,241.34	674,116.02
8,800.00	54.79	272.10	8,720.20	5,250.20	8.89	-242.50	242.67	10.00	607,242.78	674,076.50
8,850.00	59.79	272.10	8,747.21	5,277.21	10.43	-284.54	284.73	10.00	607,244.33	674,034.47
8,900.00	64.79	272.10	8,770.45	5,300.45	12.06	-328.76	328.98	10.00	607,245.95	673,990.25
8,950.00	69.79	272.10	8,789.74	5,319.74	13.74	-374.84	375.09	10.00	607,247.64	673,944.17
9,000.00	74.79	272.10	8,804.95	5,334.95	15.49	-422.42	422.71	10.00	607,249.38	673,896.59
9,050.00	79.79	272.10	8,815.94	5,345.94	17.28	-471.15	471.47	10.00	607,251.17	673,847.86
9,100.00	84.79	272.10	8,822.65	5,352.65	19.09	-520.65	521.00	10.00	607,252.98	673,798.36
9,150.00	89.79	272.10	8,825.01	5,355.01	20.92	-570.54	570.93	10.00	607,254.81	673,748.47
9,155.68	90.36	272.10	8,825.00	5,355.00	21.13	-576.22	576.61	10.00	607,255.02	673,742.78
EOC-9155.68°MD,90.36°INC,272.10°AZI,8825.00°TVD,10.00°DLS, 576.61°VS, 21.13°N, -576.22°E										
9,200.00	90.36	272.10	8,824.72	5,354.72	22.75	-620.51	620.93	0.00	607,256.65	673,698.50
9,300.00	90.36	272.10	8,824.09	5,354.09	26.42	-720.44	720.92	0.00	607,260.31	673,598.57
9,400.00	90.36	272.10	8,823.46	5,353.46	30.08	-820.37	820.92	0.00	607,263.97	673,498.64



Pathfinder
Pathfinder X & Y Planning Report



Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County	TVD Reference:	WELL @ 3470.00ft (15' KB Correction)
Site:	Strawberry "7" Federal Com	MD Reference:	WELL @ 3470.00ft (15' KB Correction)
Well:	#4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
9,500.00	90.36	272.10	8,822.84	5,352.84	33.75	-920.30	920.92	0.00	607,267.64	673,398.71	
9,600.00	90.36	272.10	8,822.21	5,352.21	37.41	-1,020.23	1,020.92	0.00	607,271.30	673,298.78	
9,700.00	90.36	272.10	8,821.58	5,351.58	41.07	-1,120.16	1,120.92	0.00	607,274.97	673,198.85	
9,800.00	90.36	272.10	8,820.95	5,350.95	44.74	-1,220.09	1,220.91	0.00	607,278.63	673,098.91	
9,900.00	90.36	272.10	8,820.32	5,350.32	48.40	-1,320.03	1,320.91	0.00	607,282.30	672,998.98	
10,000.00	90.36	272.10	8,819.70	5,349.70	52.07	-1,419.96	1,420.91	0.00	607,285.96	672,899.05	
10,100.00	90.36	272.10	8,819.07	5,349.07	55.73	-1,519.89	1,520.91	0.00	607,289.62	672,799.12	
10,200.00	90.36	272.10	8,818.44	5,348.44	59.40	-1,619.82	1,620.91	0.00	607,293.29	672,699.19	
10,300.00	90.36	272.10	8,817.81	5,347.81	63.06	-1,719.75	1,720.90	0.00	607,296.95	672,599.26	
10,400.00	90.36	272.10	8,817.18	5,347.18	66.72	-1,819.68	1,820.90	0.00	607,300.62	672,499.33	
10,500.00	90.36	272.10	8,816.55	5,346.55	70.39	-1,919.61	1,920.90	0.00	607,304.28	672,399.40	
10,600.00	90.36	272.10	8,815.93	5,345.93	74.05	-2,019.54	2,020.90	0.00	607,307.95	672,299.47	
10,700.00	90.36	272.10	8,815.30	5,345.30	77.72	-2,119.47	2,120.90	0.00	607,311.61	672,199.54	
10,800.00	90.36	272.10	8,814.67	5,344.67	81.38	-2,219.40	2,220.89	0.00	607,315.27	672,099.61	
10,900.00	90.36	272.10	8,814.04	5,344.04	85.05	-2,319.33	2,320.89	0.00	607,318.94	671,999.67	
11,000.00	90.36	272.10	8,813.41	5,343.41	88.71	-2,419.26	2,420.89	0.00	607,322.60	671,899.74	
11,100.00	90.36	272.10	8,812.78	5,342.78	92.37	-2,519.20	2,520.89	0.00	607,326.27	671,799.81	
11,200.00	90.36	272.10	8,812.16	5,342.16	96.04	-2,619.13	2,620.89	0.00	607,329.93	671,699.88	
11,300.00	90.36	272.10	8,811.53	5,341.53	99.70	-2,719.06	2,720.88	0.00	607,333.60	671,599.95	
11,400.00	90.36	272.10	8,810.90	5,340.90	103.37	-2,818.99	2,820.88	0.00	607,337.26	671,500.02	
11,500.00	90.36	272.10	8,810.27	5,340.27	107.03	-2,918.92	2,920.88	0.00	607,340.92	671,400.09	
11,600.00	90.36	272.10	8,809.64	5,339.64	110.70	-3,018.85	3,020.88	0.00	607,344.59	671,300.16	
11,700.00	90.36	272.10	8,809.01	5,339.01	114.36	-3,118.78	3,120.88	0.00	607,348.25	671,200.23	
11,800.00	90.36	272.10	8,808.39	5,338.39	118.02	-3,218.71	3,220.88	0.00	607,351.92	671,100.30	
11,900.00	90.36	272.10	8,807.76	5,337.76	121.69	-3,318.64	3,320.87	0.00	607,355.58	671,000.37	
12,000.00	90.36	272.10	8,807.13	5,337.13	125.35	-3,418.57	3,420.87	0.00	607,359.25	670,900.44	
12,100.00	90.36	272.10	8,806.50	5,336.50	129.02	-3,518.50	3,520.87	0.00	607,362.91	670,800.50	



Pathfinder Pathfinder X & Y Planning Report



Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County	TVD Reference:	WELL @ 3470.00ft (15' KB Correction)
Site:	Strawberry "7" Federal Com	MD Reference:	WELL @ 3470.00ft (15' KB Correction)
Well:	#4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
12,200.00	90.36	272.10	8,805.87	5,335.87	132.68	-3,618.44	3,620.87	0.00	607,366.57	670,700.57
12,300.00	90.36	272.10	8,805.24	5,335.24	136.35	-3,718.37	3,720.87	0.00	607,370.24	670,600.64
12,400.00	90.36	272.10	8,804.62	5,334.62	140.01	-3,818.30	3,820.86	0.00	607,373.90	670,500.71
12,500.00	90.36	272.10	8,803.99	5,333.99	143.67	-3,918.23	3,920.86	0.00	607,377.57	670,400.78
12,600.00	90.36	272.10	8,803.36	5,333.36	147.34	-4,018.16	4,020.86	0.00	607,381.23	670,300.85
12,700.00	90.36	272.10	8,802.73	5,332.73	151.00	-4,118.09	4,120.86	0.00	607,384.90	670,200.92
12,800.00	90.36	272.10	8,802.10	5,332.10	154.67	-4,218.02	4,220.86	0.00	607,388.56	670,100.99
12,900.00	90.36	272.10	8,801.47	5,331.47	158.33	-4,317.95	4,320.85	0.00	607,392.22	670,001.06
13,000.00	90.36	272.10	8,800.85	5,330.85	162.00	-4,417.88	4,420.85	0.00	607,395.89	669,901.13
13,089.57	90.36	272.10	8,800.28	5,330.28	165.28	-4,507.39	4,510.42	0.00	607,399.17	669,811.62
TD at 13089.57 - PBHL(S7FC#4)										

Targets										
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)			
- Shape										
PBHL(S7FC#4)	0.00	0.00	8,800.00	164.99	-4,507.40	607,398.883	669,811.612	32° 40' 8.726 N	103° 54' 56.973 W	
- plan hits target center										
- Point										

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
8,252.00	8,252.00	0.00	0.00	KOP-8252.00°MD,0.00°INC,0.00°AZI,8252.00°TVD	
9,155.68	8,825.00	21.13	-576.22	EOC-9155.68°MD,90.36°INC,272.10°AZI,8825.00°TVD,10.00°DLS, 576	
13,089.57	8,800.28	165.28	-4,507.39	TD at 13089.57	



Pathfinder
Pathfinder X & Y Planning Report



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Site: Strawberry "7" Federal Com
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Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #4H
TVD Reference: WELL @ 3470.00ft (15' KB Correction)
MD Reference: WELL @ 3470.00ft (15' KB Correction)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Checked By: _____ Approved By: _____ Date: _____

devon

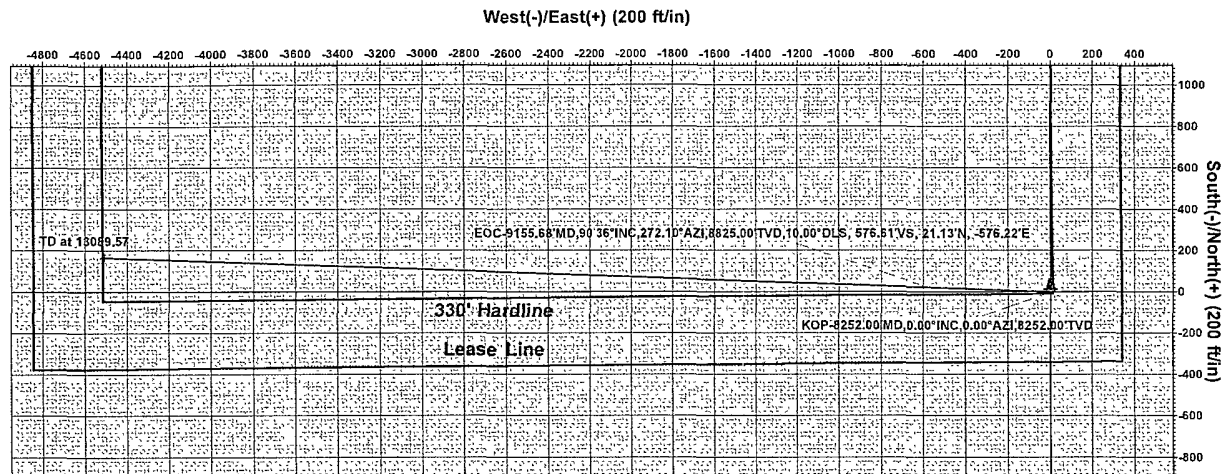
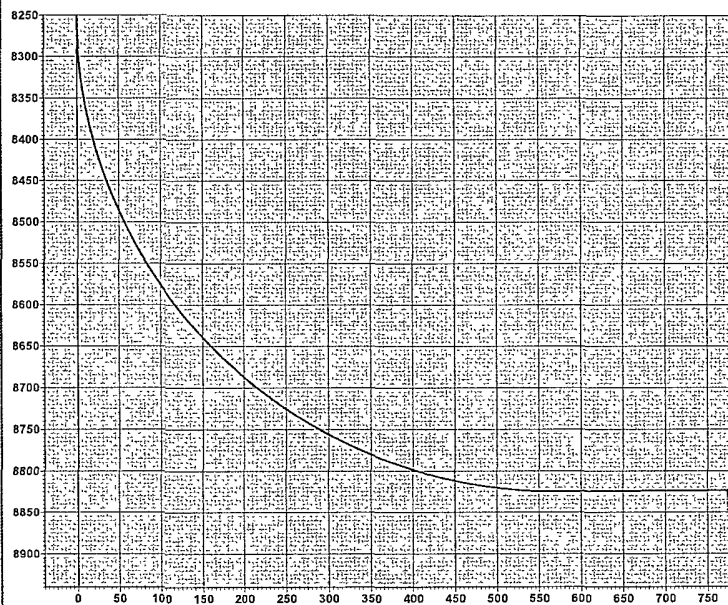
Project: Eddy County
Site: Strawberry "7" Federal Com
Well: #4H
Wellbore: OH
Plan: Plan #1 (#4H/OH)



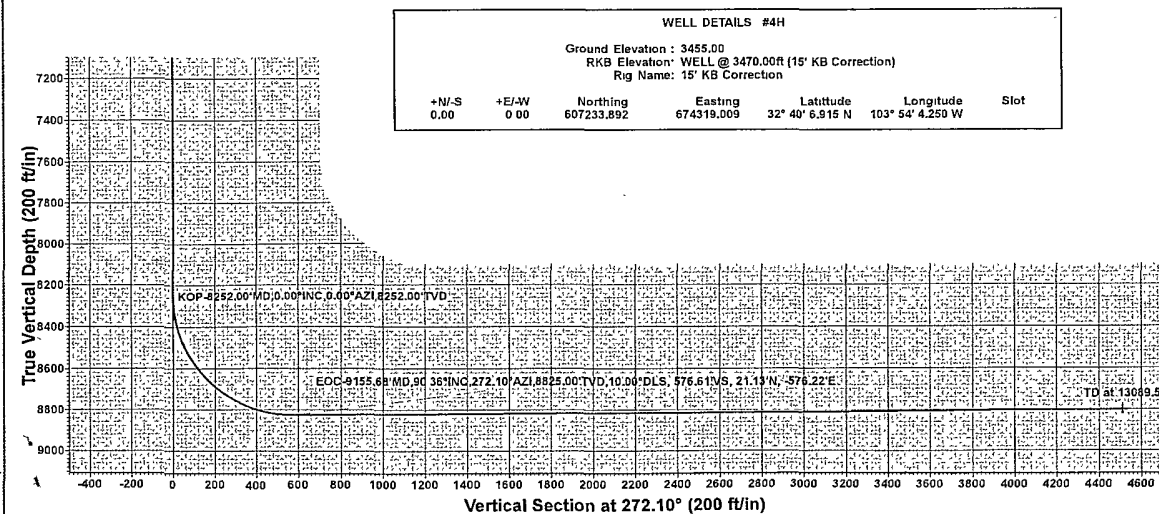
Azimuths to Grid North
True North: -0.23°
Magnetic North: 7.64°

Magnetic Field
Strength: 48976.1snT
Dip Angle: 60.58°
Date: 06/30/2010
Model: IGRF200510

PATHFINDER



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	8252.00	0.00	0.00	8252.00	0.00	0.00	0.00	0.00	0.00	
3	9155.68	90.36	272.10	8825.00	21.13	-576.22	10.00	272.10	576.61	
4	13089.57	90.36	272.10	8800.28	165.28	-4507.39	0.00	0.00	4510.42	PBHL(S7FC#4)



WELL DETAILS #4H					
Ground Elevation: 3455.00					
RKB Elevation: WELL @ 3470.00ft (15' KB Correction)					
Rig Name: 15' KB Correction					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	607233.892	674319.009	32° 40' 6.915 N	103° 54' 4.250 W

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				

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)					
Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL(S7FC#4)	8800.00	164.99	-4507.40	607398.883	669811.612

Plan Plan #1 (#4H/OH)	
Created By: Nate Bingham	Date: 9.26, June 14 2010
Checked: _____	Date: _____