

DATE IN <u>10.21.10</u>	SUSPENSE	ENGINEER <u>DKB</u>	LOGGED IN <u>10.21.10</u>	TYPE <u>NSL</u>	APP NO. <u>1029457431</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505

Devon
6137

N. Puregold 8 Fed #14H

ADMINISTRATIVE APPLICATION CHECKLIST

30-015-37966

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

☒ [NSL-Non-Standard Location] ☐ [NSP-Non-Standard Proration Unit] ☐ [SD-Simultaneous Dedication]
☐ [DHC-Downhole Commingling] ☐ [CTB-Lease Commingling] ☐ [PLC-Pool/Lease Commingling]
☐ [PC-Pool Commingling] ☐ [OLS - Off-Lease Storage] ☐ [OLM-Off-Lease Measurement]
☐ [WFX-Waterflood Expansion] ☐ [PMX-Pressure Maintenance Expansion]
☐ [SWD-Salt Water Disposal] ☐ [IPI-Injection Pressure Increase]
☐ [EOR-Qualified Enhanced Oil Recovery Certification] ☐ [PPR-Positive Production Response]

6287

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

- [A] ☒ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☒ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Katie A. McDonnell
Print or Type Name

Katie A. McDonnell
Signature

Landman
Title

10-21-2010
Date

Katie.mcdonnell@dva.com
e-mail Address



Devon Energy Corporation
20 North Broadway
Oklahoma City, OK 73102-8260

405 235 3611 Phone
www.devonenergy.com

October 21, 2010

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Attn: David Brooks

RE: North Pure Gold 8 Federal #14H
Section 8-T23S-R31E
Eddy County, New Mexico

— 30-015-37966

Gentlemen:

Devon Energy Production Company, L.P. ("Devon"), as Operator, intends to drill the referenced horizontal Bone Spring (Avalon Shale) well to a total vertical depth of 8,550' with a total measured depth of 13,140'. As reflected on the attached C-102, the well has been permitted at a surface location of 150' FSL and 1,700' FEL with a permitted bottom hole location of 330' FNL and 1,650' FEL of Section 8. We will penetrate to top of the Bone Spring formation at an unorthodox location of 150' FSL and 1,700' FEL (surface hole location), although the highest perforation in the well will not be closer than 330' to the outer boundary of the project area.

Inasmuch as the referenced well will penetrate the top of the Bone Spring formation at an unorthodox location from that permitted by the Statewide Pool Rules, Devon respectfully requests that the Commission administratively approve this application for an unorthodox location in accordance with Division Rule 104(F)(3). This unorthodox location affects the leasehold owners in Unit letters A and B of section 17. Devon is the operator of wells in Units A and B on Federal Lease NMNM 45235. In accordance with Division Rule 104(f), the working interest owners have been given notice of this application. Additionally, Devon requests Commission approval to designate a 160 acre project area consisting of four standard oil spacing units comprised of the W/2 E/2 (Unit letters B, G, J, & O) of said Section 8.

Attached for your review you will find a land plat, copies of letters of notification to the affected parties, a structure map covering the Top Bone Spring formation, a State of New Mexico form C-102, and a Well Profile Planning Report prepared by Pathfinder Energy Services.

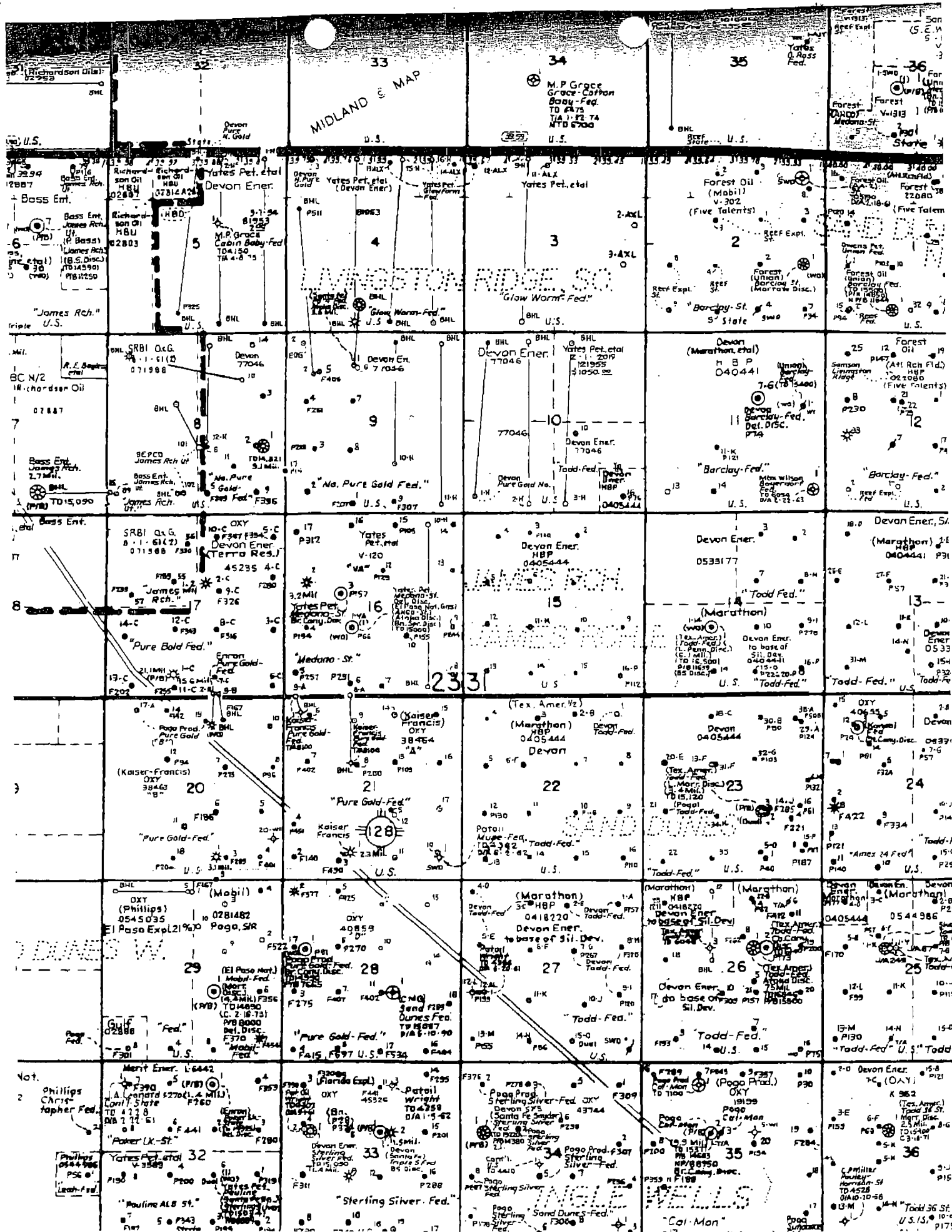
Feel free to contact the undersigned at (405) 552-8040 if there are any concerns or questions regarding this application.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.

Katie A. McDonnell

Katie A. McDonnell
Landman



The logo for Devon Energy, featuring the word "devon" in a lowercase, sans-serif font.

Devon Energy Corporation
20 North Broadway
Oklahoma City, OK 73102-8260

405 235 3611 Phone
www.devonenergy.com

September 9, 2010

Bass Enterprises Production Co.
201 Main Street
Fort Worth, Texas 76102-3131

Re: North Pure Gold 8 Federal #14H
Section 8-T23S-R31E
Eddy County, NM

Gentlemen:

Attached you will find Devon Energy Production Company, L.P.'s administrative application for approval of an unorthodox well location covering the referenced well. Our records indicate that Bass Enterprises Production Co. as a working interest owner in Section 17-T23S-R31E is an affected owner of an offset spacing unit and is entitled to notice of this application in accordance with Division Rule 104(f). Objections to this application should be submitted to the New Mexico Oil Conservation Division. If you have no objection to this application, please so indicate by signing and returning one copy of this letter to the undersigned.

If there are any questions or if additional information is required, feel free to call me at (405) 552-8040.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.

Katie A. McDonnell

Katie A. McDonnell
Landman

Bass Enterprises Production Co. has no objection to this administrative application for unorthodox location.

By: *George A. H. H.*

Title: *Exploration & Exploitation Mgr*

Date: *10/21/10*

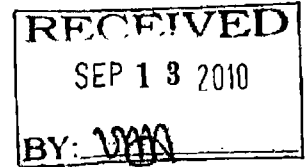


Devon Energy Corporation
20 North Broadway
Oklahoma City, OK 73102-8260

405 235 3611 Phone
www.devonenergy.com

September 9, 2010

Camterra Resources Partners, Ltd.
2615 East End Blvd. South
Marshall, Texas 75672



Re: North Pure Gold 8 Federal #14H
Section 8-T23S-R31E
Eddy County, NM

405 552-8113

Gentlemen:

Attached you will find Devon Energy Production Company, L.P.'s administrative application for approval of an unorthodox well location covering the referenced well. Our records indicate that Camterra Resources Partners, Ltd. as a working interest owner in Section 17-T23S-R31E is an affected owner of an offset spacing unit and is entitled to notice of this application in accordance with Division Rule 104(f). Objections to this application should be submitted to the New Mexico Oil Conservation Division. If you have no objection to this application, please so indicate by signing and returning one copy of this letter to the undersigned.

If there are any questions or if additional information is required, feel free to call me at (405) 552-8040.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.

Katie A. McDonnell

Katie A. McDonnell
Landman

Camterra Resources Partners, Ltd. has no objection to this administrative application for unorthodox location.

By: *[Signature]*

Title: CEO

Date: 9/13/10



Devon Energy Corporation
20 North Broadway
Oklahoma City, OK 73102-8260

405 235 3611 Phone
www.devonenergy.com

September 9, 2010

OXY Permian Ltd.
5 Greenway Plaza Ste 110
Houston TX 77046

Re: North Pure Gold 8 Federal #14H
Section 8-T23S-R31E
Eddy County, NM

Gentlemen:

Attached you will find Devon Energy Production Company, L.P.'s administrative application for approval of an unorthodox well location covering the referenced well. Our records indicate that OXY Permian Ltd. as a working interest owner in Section 17-T23S-R31E is an affected owner of an offset spacing unit and is entitled to notice of this application in accordance with Division Rule 104(f). Objections to this application should be submitted to the New Mexico Oil Conservation Division. If you have no objection to this application, please so indicate by signing and returning one copy of this letter to the undersigned.

If there are any questions or if additional information is required, feel free to call me at (405) 552-8040.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.

Katie A. McDonnell

Katie A. McDonnell
Landman

OXY Permian Ltd. has no objection to this administrative application for unorthodox location.

By: *Steve Pym*

Title: *Manager - Land*

Date: *10-6-10*

Form C-102

Revised October 15, 2009

DISTRICT I

1625 W. French Dr., Hobbs, NM 88240

DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505Submit one copy to appropriate
District Office☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-014-7766	Pool Code 40295	Pool Name under LOS MEDANOS; BONE SPRINGS
Property Code 30673	Property Name NORTH PURE GOLD "8" FEDERAL	Well Number 14H
OGRIID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3325'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	8	23 S	31 E		150	SOUTH	1700	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
B	8	23 S	31 E		330	NORTH	1650	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

PROPOSED BOTTOM HOLE LOCATION Lat - N 32°19'31.39" Long - W 103°47'48.09" NMSPCE- N 482522.983 E 707100.970 (NAD-83)	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 or has a right to drill this well at this 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. Signature: <u>Judy A. Barnett</u> Date: <u>4/14/10</u> Printed Name: <u>Judy A. Barnett</u> Regulatory Analyst
SURFACE LOCATION Lat - N 32°18'43.76" Long - W 103°47'48.60" NMSPCE- N 477709.426 E 707081.454 (NAD-83)	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. Date Surveyed: <u>March 15, 2010</u> Signature & Seal of Professional Surveyor: <u>Gary L. Jones</u> Certificate No. Gary L. Jones 7977 BASIN SURVEYS



Devon Energy, Inc.

Eddy County

North Pure Gold "8" Federal

#14H

OH

Plan: Plan #1

Pathfinder X & Y Planning Report

30 August, 2010

PATHFINDER®
A Schlumberger Company



Pathfinder

Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #14H
Project:	Eddy County	TVD Reference:	WELL @ 3350.00R (H&P #416 KB 25')
Site:	North Pure Gold "8" Federal	MD Reference:	WELL @ 3350.00R (H&P #416 KB 25')
Well:	#14H	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: North Pure Gold "8" Federal

Site Position:		Latitude:	32° 18' 43.761 N
From:		Longitude:	103° 47' 48.597 W
Position Uncertainty:	Map 0.00 ft	Grid Convergence:	0.29 °

Well:	#14H	North:	477,709.426 ft	Latitude:	32° 18' 43.761 N
Well Position	+N/S 0.00 ft	East:	707,081.451 ft	Longitude:	103° 47' 48.597 W
Position Uncertainty	+E/W 0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,325.00 ft

Wellbore: OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	08/30/2010	7.78	60.27	48,758

Design: Plan #1

Audit Notes:

Version:

Vertical Section:	Depth From (TVD) (m)	Phase:	PLAN	Tie On Depth:	0.00
	0.00				

Survey Foot Program	Date	08/30/2010
From (ft)	To (ft)	Survey (Wellbore)
0.00	13,140.62	Plan #1 (OH)

Tool Name: Pathfinder

Description: Pathfinder MWD



Pathfinder

Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #14H
Project:	Eddy County	TVD Reference:	WELL @ 3350.00ft (H&P #416 KB 25')
Site:	North Pure Gold "8" Federal	MB Reference:	WELL @ 3350.00ft (H&P #416 KB 25')
Well:	#14H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey	MD (ft)	Inc (°)	AZ (°)	TVD (ft)	TVDSS (ft)	NIS (ft)	EW (ft)	V. Sec (ft)	Drag (ft/lb)	Normaling (ft)	Easting (ft)
	0.00				-3,350.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	100.00			100.00	-3,250.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	200.00			200.00	-3,150.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	300.00			300.00	-3,050.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	400.00			400.00	-2,950.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	500.00			500.00	-2,850.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	600.00			600.00	-2,750.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	700.00			700.00	-2,650.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	800.00			800.00	-2,550.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	900.00			900.00	-2,450.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	1,000.00			1,000.00	-2,350.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	1,100.00			1,100.00	-2,250.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	1,200.00			1,200.00	-2,150.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	1,300.00			1,300.00	-2,050.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	1,400.00			1,400.00	-1,950.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	1,500.00			1,500.00	-1,850.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	1,600.00			1,600.00	-1,750.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	1,700.00			1,700.00	-1,650.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	1,800.00			1,800.00	-1,550.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	1,900.00			1,900.00	-1,450.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	2,000.00			2,000.00	-1,350.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	2,100.00			2,100.00	-1,250.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	2,200.00			2,200.00	-1,150.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	2,300.00			2,300.00	-1,050.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	2,400.00			2,400.00	-950.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	2,500.00			2,500.00	-850.00	0.00	0.00	0.00	0.00	0.00	707,081.45
	2,600.00			2,600.00	-750.00	0.00	0.00	0.00	0.00	0.00	707,081.45



Pathfinder

Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company				Devon Energy, Inc.				Well #14H			
Project				Eddy County				WELL @ 3350.00ft (H&P #416 KB 25)			
Site				North Pure Gold "8" Federal				WELL @ 3350.00ft (H&P #416 KB 25)			
Well				#14H				Grid			
Wellbore				OH				Minimum Curvature			
Design				Plan #1				Midland Database			
Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	Dipg (°/100ft)	Northing (ft)	Easting (ft)	
2,700.00	0.00	0.00	2,700.00	-650.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
2,800.00	0.00	0.00	2,800.00	-550.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
2,900.00	0.00	0.00	2,900.00	-450.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
3,000.00	0.00	0.00	3,000.00	-350.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
3,100.00	0.00	0.00	3,100.00	-250.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
3,200.00	0.00	0.00	3,200.00	-150.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
3,300.00	0.00	0.00	3,300.00	-50.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
3,400.00	0.00	0.00	3,400.00	50.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
3,500.00	0.00	0.00	3,500.00	150.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
3,600.00	0.00	0.00	3,600.00	250.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
3,700.00	0.00	0.00	3,700.00	350.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
3,800.00	0.00	0.00	3,800.00	450.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
3,900.00	0.00	0.00	3,900.00	550.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
4,000.00	0.00	0.00	4,000.00	650.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
4,100.00	0.00	0.00	4,100.00	750.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
4,200.00	0.00	0.00	4,200.00	850.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
4,300.00	0.00	0.00	4,300.00	950.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
4,400.00	0.00	0.00	4,400.00	1,050.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
4,500.00	0.00	0.00	4,500.00	1,150.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
4,600.00	0.00	0.00	4,600.00	1,250.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
4,700.00	0.00	0.00	4,700.00	1,350.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
4,800.00	0.00	0.00	4,800.00	1,450.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
4,900.00	0.00	0.00	4,900.00	1,550.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
5,000.00	0.00	0.00	5,000.00	1,650.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
5,100.00	0.00	0.00	5,100.00	1,750.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
5,200.00	0.00	0.00	5,200.00	1,850.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
5,300.00	0.00	0.00	5,300.00	1,950.00	0.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45



Pathfinder

Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.
 Project: Eddy County
 Site: North Pure Gold "8" Federal
 Well: #14H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference:

Well #14H
 WELL @ 3350.00ft (H&P #416 KB 25)
 WELL @ 3350.00ft (H&P #416 KB 25)
 Grid
 Minimum Curvature
 Midland Database

TYD Reference:

MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

MD (ft)	Inc (°)	Azi (°)	TYD (ft)	TVDS (ft)	NS (ft)	EW (ft)	V Sec (ft)	BLeg (ft/100ft)	Northing (ft)	Eastng (ft)
5,400.00	0.00	0.00	5,400.00	2,050.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
5,500.00	0.00	0.00	5,500.00	2,150.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
5,600.00	0.00	0.00	5,600.00	2,250.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
5,700.00	0.00	0.00	5,700.00	2,350.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
5,800.00	0.00	0.00	5,800.00	2,450.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
5,900.00	0.00	0.00	5,900.00	2,550.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
6,000.00	0.00	0.00	6,000.00	2,650.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
6,100.00	0.00	0.00	6,100.00	2,750.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
6,200.00	0.00	0.00	6,200.00	2,850.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
6,300.00	0.00	0.00	6,300.00	2,950.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
6,400.00	0.00	0.00	6,400.00	3,050.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
6,500.00	0.00	0.00	6,500.00	3,150.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
6,600.00	0.00	0.00	6,600.00	3,250.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
6,700.00	0.00	0.00	6,700.00	3,350.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
6,800.00	0.00	0.00	6,800.00	3,450.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
6,900.00	0.00	0.00	6,900.00	3,550.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
7,000.00	0.00	0.00	7,000.00	3,650.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
7,100.00	0.00	0.00	7,100.00	3,750.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
7,200.00	0.00	0.00	7,200.00	3,850.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
7,300.00	0.00	0.00	7,300.00	3,950.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
7,400.00	0.00	0.00	7,400.00	4,050.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
7,500.00	0.00	0.00	7,500.00	4,150.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
7,600.00	0.00	0.00	7,600.00	4,250.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
7,700.00	0.00	0.00	7,700.00	4,350.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
7,800.00	0.00	0.00	7,800.00	4,450.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
7,900.00	0.00	0.00	7,900.00	4,550.00	0.00	0.00	0.00	0.00	477,709.43	707,081.45
7,963.30	0.00	0.00	7,963.30	4,613.30	0.00	0.00	0.00	0.00	477,709.43	707,081.45



Pathfinder

Pathfinder X & Y Planning Report



A Schlumberger Company

Company: Devon Energy, Inc.
 Project: Eddy County
 Site: North Pure Gold "B" Federal
 Well: #14H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #14H
 TVD Reference: WELL @ 3350.00ft (H&P #416 KB 25')
 MD Reference: WELL @ 3350.00ft (H&P #416 KB 25')
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Midland Database

Planned Survey

MD (ft)	Inc (°)	AZI (°)	TVD (ft)	TVDS (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	DLag (ft/1000)	Northing (ft)	Easting (ft)
8,000.00	3.30	0.23	7,999.98	4,649.98	1.06	0.00	1.06	9.00	477,710.48	707,081.46
8,050.00	7.80	0.23	8,049.73	4,699.73	5.89	0.02	5.89	9.00	477,715.32	707,081.47
8,100.00	12.30	0.23	8,098.95	4,748.95	14.62	0.06	14.62	9.00	477,724.04	707,081.51
8,150.00	16.80	0.23	8,147.34	4,797.34	27.18	0.11	27.18	9.00	477,736.60	707,081.56
8,200.00	21.30	0.23	8,194.59	4,844.59	43.49	0.17	43.49	9.00	477,752.92	707,081.63
8,250.00	25.80	0.23	8,240.41	4,890.41	63.46	0.25	63.46	9.00	477,772.89	707,081.71
8,300.00	30.30	0.23	8,284.53	4,934.53	86.96	0.35	86.97	9.00	477,796.39	707,081.80
8,350.00	34.80	0.23	8,326.66	4,976.66	113.86	0.46	113.86	9.00	477,823.28	707,081.91
8,400.00	39.30	0.23	8,366.56	5,016.56	143.97	0.58	143.97	9.00	477,853.40	707,082.03
8,450.00	43.79	0.23	8,403.97	5,053.97	177.12	0.71	177.12	9.00	477,886.55	707,082.16
8,500.00	48.29	0.23	8,438.67	5,088.67	213.11	0.86	213.11	9.00	477,922.53	707,082.31
8,550.00	52.79	0.23	8,470.44	5,120.44	251.70	1.01	251.70	9.00	477,961.13	707,082.46
8,600.00	57.29	0.23	8,499.08	5,149.08	292.67	1.17	292.67	9.00	478,002.10	707,082.63
8,650.00	61.79	0.23	8,524.42	5,174.42	335.76	1.35	335.76	9.00	478,045.18	707,082.80
8,700.00	66.29	0.23	8,546.30	5,196.30	380.70	1.53	380.70	9.00	478,090.13	707,082.98
8,750.00	70.79	0.23	8,564.59	5,214.59	427.22	1.71	427.23	9.00	478,136.65	707,083.17
8,800.00	75.29	0.23	8,579.17	5,229.17	475.03	1.91	475.04	9.00	478,184.46	707,083.36
8,850.00	79.79	0.23	8,589.96	5,239.96	523.84	2.10	523.85	9.00	478,233.27	707,083.55
8,900.00	84.29	0.23	8,596.88	5,246.88	573.35	2.30	573.35	9.00	478,282.77	707,083.75
8,950.00	88.79	0.23	8,599.90	5,249.90	623.24	2.50	623.25	9.00	478,332.67	707,083.95
8,971.17	90.69	0.23	8,600.00	5,250.00	644.41	2.59	644.41	9.00	478,353.83	707,084.04
9,000.00	90.69	0.23	8,599.65	5,249.65	673.24	2.70	673.25	0.00	478,382.67	707,084.15
9,100.00	90.69	0.23	8,598.45	5,248.45	773.23	3.10	773.24	0.00	478,482.66	707,084.55
9,200.00	90.69	0.23	8,597.24	5,247.24	873.22	3.51	873.23	0.00	478,582.65	707,084.96
9,300.00	90.69	0.23	8,596.04	5,246.04	973.22	3.91	973.22	0.00	478,682.64	707,085.36
9,400.00	90.69	0.23	8,594.84	5,244.84	1,073.21	4.31	1,073.22	0.00	478,782.63	707,085.76
9,500.00	90.69	0.23	8,593.63	5,243.63	1,173.20	4.71	1,173.21	0.00	478,882.63	707,086.16



Pathfinder

Pathfinder X & Y Planning Report



A Schlumberger Company

Company: Devon Energy, Inc.
 Project: Eddy County
 Site: North Pure Gold "8" Federal
 Well: #14H
 Wellbore: OH
 Design: Plan #1

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

Well #14H
 WELL @ 3350.00ft (H&P #416 KB 25)
 WELL @ 3350.00ft (H&P #416 KB 25)
 Grid:
 Minimum Curvature
 Midland Database

Planned Survey

MD (ft)	Inc (°)	AXI (°)	TVD (ft)	TVDS (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	DLeg (ft/1000)	Northing (ft)	Easting (ft)
9,600.00	90.69	0.23	8,592.43	5,242.43	1,273.19	5.11	1,273.20	0.00	478,982.62	707,086.56
9,700.00	90.69	0.23	8,591.22	5,241.22	1,373.18	5.51	1,373.19	0.00	479,082.61	707,086.96
9,800.00	90.69	0.23	8,590.02	5,240.02	1,473.18	5.91	1,473.19	0.00	479,182.60	707,087.36
9,900.00	90.69	0.23	8,588.81	5,238.81	1,573.17	6.32	1,573.18	0.00	479,282.59	707,087.77
10,000.00	90.69	0.23	8,587.61	5,237.61	1,673.16	6.72	1,673.17	0.00	479,382.59	707,088.17
10,100.00	90.69	0.23	8,586.41	5,236.41	1,773.15	7.12	1,773.17	0.00	479,482.58	707,088.57
10,200.00	90.69	0.23	8,585.20	5,235.20	1,873.14	7.52	1,873.16	0.00	479,582.57	707,088.97
10,300.00	90.69	0.23	8,584.00	5,234.00	1,973.14	7.92	1,973.15	0.00	479,682.56	707,089.37
10,400.00	90.69	0.23	8,582.79	5,232.79	2,073.13	8.32	2,073.14	0.00	479,782.55	707,089.77
10,500.00	90.69	0.23	8,581.59	5,231.59	2,173.12	8.72	2,173.14	0.00	479,882.55	707,090.17
10,600.00	90.69	0.23	8,580.38	5,230.38	2,273.11	9.12	2,273.13	0.00	479,982.54	707,090.58
10,700.00	90.69	0.23	8,579.18	5,229.18	2,373.10	9.53	2,373.12	0.00	480,082.53	707,090.98
10,800.00	90.69	0.23	8,577.98	5,227.98	2,473.09	9.93	2,473.11	0.00	480,182.52	707,091.38
10,900.00	90.69	0.23	8,576.77	5,226.77	2,573.09	10.33	2,573.11	0.00	480,282.51	707,091.78
11,000.00	90.69	0.23	8,575.57	5,225.57	2,673.08	10.73	2,673.10	0.00	480,382.50	707,092.18
11,100.00	90.69	0.23	8,574.36	5,224.36	2,773.07	11.13	2,773.09	0.00	480,482.50	707,092.58
11,200.00	90.69	0.23	8,573.16	5,223.16	2,873.06	11.53	2,873.09	0.00	480,582.49	707,092.98
11,300.00	90.69	0.23	8,571.96	5,221.96	2,973.05	11.93	2,973.08	0.00	480,682.48	707,093.39
11,400.00	90.69	0.23	8,570.75	5,220.75	3,073.05	12.34	3,073.07	0.00	480,782.47	707,093.79
11,500.00	90.69	0.23	8,569.55	5,219.55	3,173.04	12.74	3,173.06	0.00	480,882.46	707,094.19
11,600.00	90.69	0.23	8,568.34	5,218.34	3,273.03	13.14	3,273.06	0.00	480,982.46	707,094.59
11,700.00	90.69	0.23	8,567.14	5,217.14	3,373.02	13.54	3,373.05	0.00	481,082.45	707,094.99
11,800.00	90.69	0.23	8,565.93	5,215.93	3,473.01	13.94	3,473.04	0.00	481,182.44	707,095.39
11,900.00	90.69	0.23	8,564.73	5,214.73	3,573.01	14.34	3,573.04	0.00	481,282.43	707,095.79
12,000.00	90.69	0.23	8,563.53	5,213.53	3,673.00	14.74	3,673.03	0.00	481,382.42	707,096.20
12,100.00	90.69	0.23	8,562.32	5,212.32	3,772.99	15.15	3,773.02	0.00	481,482.42	707,096.60
12,200.00	90.69	0.23	8,561.12	5,211.12	3,872.98	15.55	3,873.01	0.00	481,582.41	707,097.00



Pathfinder Pathfinder X & Y Planning Report



A Schlumberger Company

Company: Devon Energy, Inc.
Project: Eddy County
Site: North Pure Gold "g" Federal
Well: #14H
Wellbore: OH
Dwg (n): Plan #1

Local Co-ordinate Reference: Well #14H
TVD Reference: WELL @ 3350.00ft (H&P #416 KB 25)
MD Reference: WELL @ 3350.00ft (H&P #416 KB 25)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVSS (ft)	W/S (ft)	IEW (ft)	V. Sec (ft)	DLQ (ft/1000)	Northing (ft)	Easting (ft)
12,300.00	90.69	0.23	8,559.91	5,209.91	3,972.97	15.95	3,973.01	0.00	481,682.40	707,097.40
12,400.00	90.69	0.23	8,558.71	5,208.71	4,072.97	16.35	4,073.00	0.00	481,782.39	707,097.80
12,500.00	90.69	0.23	8,557.50	5,207.50	4,172.96	16.75	4,172.99	0.00	481,882.38	707,098.20
12,600.00	90.69	0.23	8,556.30	5,206.30	4,272.95	17.15	4,272.98	0.00	481,982.38	707,098.60
12,700.00	90.69	0.23	8,555.10	5,205.10	4,372.94	17.55	4,372.98	0.00	482,082.37	707,099.01
12,800.00	90.69	0.23	8,553.89	5,203.89	4,472.93	17.96	4,472.97	0.00	482,182.36	707,099.41
12,900.00	90.69	0.23	8,552.69	5,202.69	4,572.93	18.36	4,572.96	0.00	482,282.35	707,099.81
13,000.00	90.69	0.23	8,551.48	5,201.48	4,672.92	18.76	4,672.96	0.00	482,382.34	707,100.21
13,100.00	90.69	0.23	8,550.28	5,200.28	4,772.91	19.16	4,772.95	0.00	482,482.34	707,100.61
13,140.65	90.69	0.23	8,549.79	5,199.79	4,813.56	19.32	4,813.59	0.00	482,522.98	707,100.77

PBHL(NPG8F#14)

Targets

Target Name	Dip Angle (°)	Dip Dir (°)	TVD (ft)	W/S (ft)	IEW (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL(NPG8F#14) - plan hits target center - Point	0.00	0.00	8,550.00	4,813.56	19.52	482,522.983	707,100.970	32° 19' 31.392 N	103° 47' 48.089 W

Checked By: _____

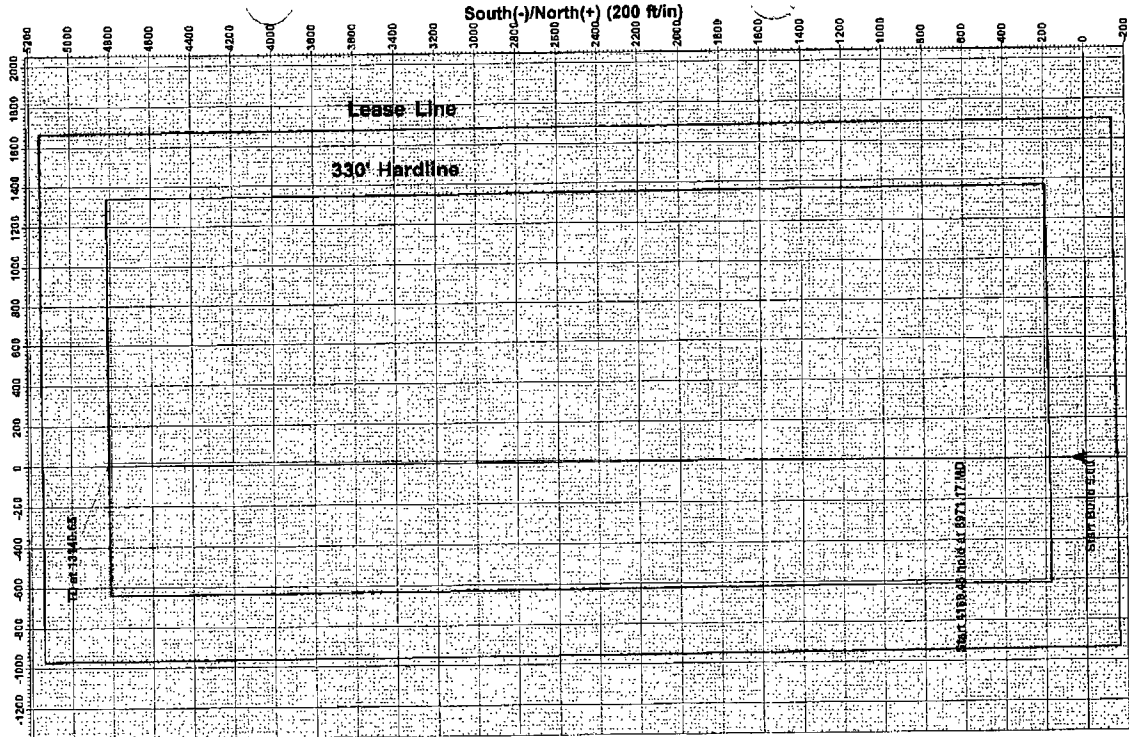
Approved By: _____

Date: _____

PATHFINDER®

A Schlumberger Company

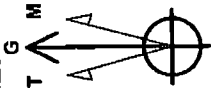
West(-)/East(+) (200 ft/in)



Plan: Plan #1 (#14HON)

Created By: New Bingham Date: 15th August 2010

Checked: _____ Date: _____



Azimuths to Grid North
True North: -0.29°
Magnetic North: 7.49°
Magnetic Field
Strength: 48758.0nT
Dip Angle: 50.27°
Date: 08/30/2010
Model: IGRF200510

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

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/S	+E/W	DLag	Tface	Vecc Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	7943.30	0.00	0.00	7943.30	0.00	0.00	0.00	0.00	0.00
3	13416.65	0.00	0.00	13416.65	0.00	0.00	0.00	0.00	0.00
4	13416.65	80.88	0.23	8546.70	4813.56	19.33	0.00	4813.50	PBHL(MPGBF94)

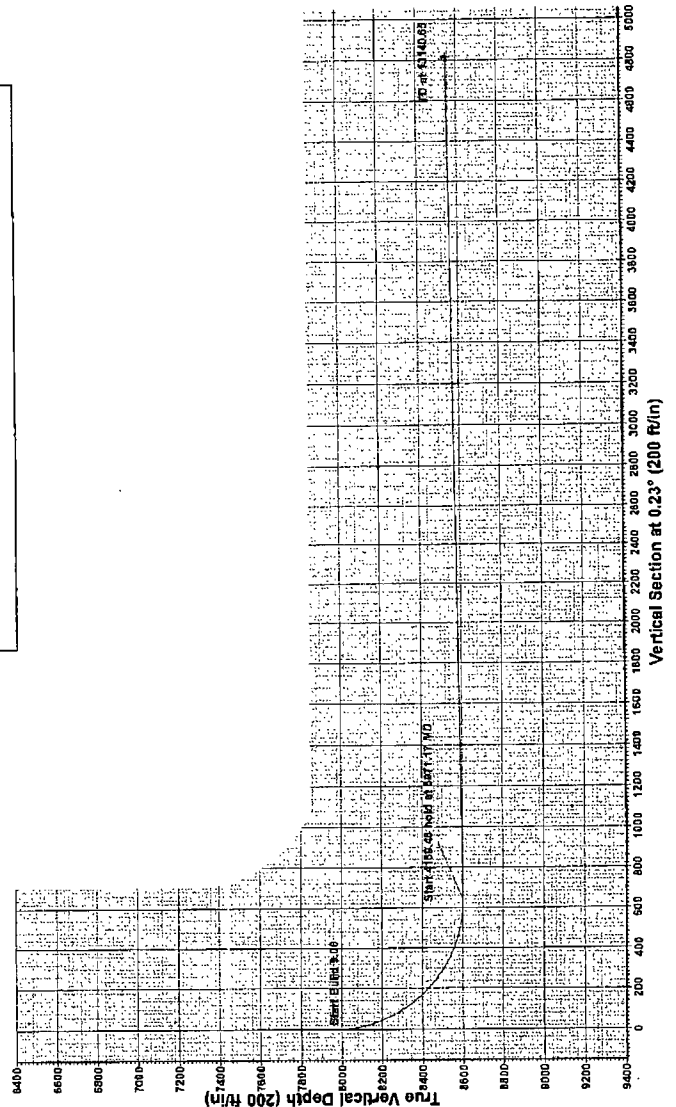
WELL DETAILS: #14H

Ground Elevation: 3325.00
HKB Elevation: 3325.00
Rig Name: HGP #418 KB 25

	+N/S	+E/W	Northing	Easting	Latitude	Longitude	Spot
	0.00	0.00	47709.426	707081.451	32° 18' 43.761 N	103° 47' 48.897 W	

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N/S	+E/W	Northing	Easting	Stage Point
PBHL(MPGBF94)	8556.00	4813.50	19.33	48252.113	707160.970	





RECEIVED OCD

2010 OCT 21 P 2: 23

Devon Energy Corporation
20 North Broadway
Oklahoma City, Oklahoma 73102-8260
Fax: 405-552-8113

FAX

To: David Brooks
NMOCD

From: Katie McDonnell
Office: 405-552-8040

Fax: 505-476-3462

Date: October 21, 2010

Phone:

Pages: 18 (including cover page)

Re: Administrative Application for a NSL- NPG 8 Fed 14H

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

• Comments:

OCD-ARTESIA

ATS-10-482

PM

Form 3166-3
(April 2004)

RECEIVED

JUN 18 2010

NMOCD ARTESIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SECRETARY'S POTASH

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED

OMB No. 1004-0137

Expires March 31, 2007

EA10-691

Lease Serial No.
NMNM77046

6 If Indian, Allottee or Tribe Name

7 If Unit or CA Agreement, Name and No

8. Lease Name and Well No
North Pure Gold 8 Federal 14H9 API Well No
30-015-3796610 Field and Pool, or Exploratory
Los Medanos; Bone Spring

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

Unit O SEC 8 T23S R31E

12. County or Parish

Eddy County

13 State

NM

1a. Type of work ☒ DRILL ☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone2 Name of Operator
Devon Energy Production Company, LP3a Address 20 North Broadway
Oklahoma City, Oklahoma City 73102-82603b Phone No. (include area code)
405-228-8699

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

At surface SW/4 SE/ 150' FSL & 1700' FEL

At proposed prod zone NW/4 NE/4 330' FNL & 1650' FEL PP:150 FSL & 1700' FEL

14 Distance in miles and direction from nearest town or post office*
Approximately 17 miles east of Loving, NM.15. Distance from proposed*
location to nearest
property or lease line, ft
(Also to nearest drg. unit line, if any)

660'

16 No. of acres in lease

1320 Acres

17. Spacing Unit dedicated to this well

160 Acres

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

See attached map.

19. Proposed Depth
8550' MD 13,218' 480'

20 BLM/BIA Bond No on file

CO-1104

21 Elevations (Show whether DF, KDB, RT, GL, etc.)
3325' GL

22 Approximate date work will start*

23 Estimated duration
45 days

24. Attachments

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

1. Well plat certified by a registered surveyor
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office)

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer

25. Signature
Judy A. Barnett
Title
Regulatory AnalystName (Printed/Typed)
Judy A. BarnettDate
04/16/2010Approved by (Signature)
W. William Merhage
Title
ACTING STATE DIRECTORName (Printed/Typed)
W. William Merhage
Office
NM STATE OFFICEDate
6-10-10

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) well becomes orthodox @ approx. 8550' MD

KZ

Carlsbad Controlled Water Basin

SEE ATTACHED FOR
CONDITIONS OF APPROVALAPPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

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

DISTRICT II
1301 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 15, 2009

Submit one copy to appropriate
District Office

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-77966	Pool Code 40295	Pool Name LOS MEDANOS; BONE SPRINGS
Property Code 30673	Property Name NORTH PURE GOLD "8" FEDERAL	Well Number 14H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3325'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	8	23 S	31 E		150	SOUTH	1700	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
B	8	23 S	31 E		330	NORTH	1650	EAST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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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

N 482612.7440 E 703478.4550 PROPOSED BOTTOM HOLE LOCATION Lat - N 32°19'31.39" Long - W 103°47'48.09" NMSPCE- N 482522.983 E 707100.970 (NAD-83)	N 482649.3480 E 705110.1059 330' 1650' 4814.5' N 482658.8400 E 708748.6090	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 or has a right to drill this well at this 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>Judy A. Barnett</i> 3/14/10 Signature Date Judy A. Barnett Printed Name Regulatory Analyst
N 480172.3870 E 703495.5350 SURFACE LOCATION Lat - N 32°18'43.76" Long - W 103°47'48.60" NMSPCE- N 477709.426 E 707081.454 (NAD-83)	N 480218.2250 E 708764.5915 3325.2' 3329.8' 150' 1700' 3327.5' PP: 150 FSL & 1700 FHL N 477549.0830 E 706142.2960 N 477576.7210 E 708782.4250	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. MAR 15 2010 NEW MEXICO GARY L. JONES Date Surveyed Signature & Seal of Professional Surveyor 7977 Certificate No. Gary L. Jones 7977 BASIN SURVEYS