

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

OCDD-Hobbs
HOBBS OGD

JUN 18 2012

RECEIVED

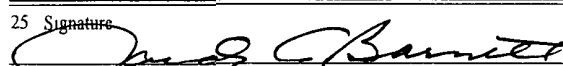
FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

1a Type of work: ☒ DRILL ☐ REENTER		5 Lease Serial No. NMNM-117558
1b Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		6 If Indian, Allottee or Tribe Name
2 Name of Operator Devon Energy Production Company, LP		7 If Unit or CA Agreement, Name and No
3a Address 20 North Broadway Oklahoma City, Oklahoma City 73102-8260	3b Phone No (include area code) 405-228-8699	8 Lease Name and Well No Red Bull 29 Federal 1H
4 Location of Well (Report location clearly and in accordance with any State requirements *) At surface 375 FNL & 375 FWL Unit D At proposed prod zone 375 FSL & 375 FWL Unit M PP: 375 FNL & 375 FWL		9 API Well No. 30-225-40628
14 Distance in miles and direction from nearest town or post office* Approximately 14 miles northwest of Jal, NM.		10 Field and Pool, or Exploratory Brushy Canyon Cinta Rojo, Delaware
15 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig. unit line, if any) 200'		11 Sec, T, R, M or Blk and Survey or Area SEC 29 T23S R35E
16 No. of acres in lease 1280 Acres		12 County or Parish Lea County
17 Spacing Unit dedicated to this well 160 Acres		13 State NM
18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. See Attached Map		19 Proposed Depth 8631' MD 12923' TD PT 9194'
20. BLM/BIA Bond No on file CO-1104		21 Elevations (Show whether DF, KDB, RT, GL, etc) 3397' 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 	Name (Printed/Typed) Judy A. Barnett	Date 01/30/2012
Title Regulatory Specialist		

Approved by (Signature) Is/ Don Peterson	Name (Printed/Typed)	Date JUN 14 2012
Title FIELD MANAGER	Office CARLSBAD FIELD 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)

Capitan Controlled Water Basin

K2
06/19/12

Approval Subject to General Requirements
& Special Stipulations Attached

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

JUN 20 2012

DRILLING PROGRAM

Devon Energy Production Company, LP

Red Bull 29 Federal 1H

Surface Location: 375' FNL & 375' FWL, Unit D, Sec 29 T23S R35E, Lea, NM

Bottom Hole Location: 375' FSL & 375' FWL, Unit ~~F~~^M, Sec 29 T23S R35E, Lea, NM

1. Geologic Name of Surface Formation

2. Quaternary

3. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

a. Fresh Water	265'	
b. Rustler	714'	
c. Top Salt	864'	
d. Base Salt	4689'	
e. Delaware	5369'	Oil/Gas
f. Cherry Canyon	6131'	Oil/Gas
g. Brushy Canyon	7576'	Oil/Gas
h. L. Brushy Canyon	8533'	Oil/Gas
i. L. Brushy D Sandstone	8607'	Oil/Gas
j. Bone Spring LS	8794'	Oil/Gas
k. Pilot Hole	9194'	
l. Total Depth	8631' TVD 12,923 MD	

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 750' and circulating cement back to surface. The salt isolated by setting 9 5/8" casing at 4800' and circulating cement to surface. The Delaware 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' - 750'	13 3/8"	0' - 750'	48#	ST&C	H-40
12 1/4"	750' - 4800'	9 5/8"	0' - 4,800'	36#	LT&C	HCK-55
8 3/4"	4,800' - 7,800'	5 1/2"	0 - 7,800'	17#	LT&C	HCP-110
8 3/4"	7,800' - 12,923'	5 1/2"	7,800' - 12,923'	17#	BT&C	HCP-110

An 8-3/4" Pilot Hole will be drilled to 9,194' TVD and cemented back to KOP. The cement plug details and geometry are included below in the "Cementing Program".

All casing is new and API approved.

Design Parameter Factors:

<u>Casing Size</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
13 3/8"	2.19	4.93	8.94
9 5/8" 36#	1.19	1410	3.26
5 1/2" 17# LTC	2.04	2.91	1.70
5 1/2" BTC	1.85	2.63	3.26

*See amended drilling plan
6/13/12*

Red Bull 29 Fed 1H – APD DRILLING PLAN

Revised 6-13-12 KKS

Revised intermediate casing point from 4,800' to 5,300', and updated the design factors based on 9-5/8 40# HCK-55.

Casing Program:

See COA

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
17-1/2"	0 – 750 ¹³⁹⁵	13-3/8"	0 – 750 ¹³⁹⁵	48#	STC	H-40
12-1/4"	750 – 5,300	9-5/8"	0 – 5,300	40#	LTC	HCK-55
8-3/4"	5,300 – 7,800	5-1/2"	0 – 7,800	17#	LTC	HCP-110
8-3/4"	7,800 – 12,923	5-1/2"	7,800 – 12,923	17#	BTC	HCP-110

An 8-3/4" pilot hole will be drilled to 9,194-ft TVD and cemented back to KOP. The cement plug details and geometry are included below in the "Cementing Program".

Design Factors:

<u>Casing Size</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
13-3/8", 48#, H-40, ST&C	2.19	4.93	8.94
9-5/8" 40# HCK-55 LTC	1.56	1.43	3.27
5-1/2" 17# HCP-110 LTC	2.04	2.91	1.70
5-1/2" 17# HCP-110 BTC	1.85	2.63	3.26

The maximum possible collapse load that the intermediate casing will experience will result from evacuated casing with the pore pressure exerting a collapse load at TD. The pore pressure is estimated to be 10 ppg for this calculation. While running the intermediate casing, the casing will never be completely evacuated. There is no potential for the intermediate casing to be used as a production string. All casing strings utilized are new.

The maximum possible collapse load that the intermediate casing will experience will result from evacuated casing with the pore pressure exerting a collapse load at TD. The pore pressure is estimated to be 10 ppg for this calculation. This results in a collapse design factor of 1.19 for 9-5/8" 36# HCK-55 LTC casing at a depth of 4,800-ft. While running the intermediate casing, the casing will never be completely evacuated. There is no potential for the intermediate casing to be used as a production string.

Cement Program: (all cement volumes based on at least 25% excess)

4.

13 3/8" Surface	Lead: 385 sx Cl C + 2% bwoc Calcium Chloride + 0.125#/sx CF + 4% bwoc Bentonite + 81.4% FW 13.5 ppg, Yld 1.75 cf/sx. TOC @ surface. Tail: 300 sx Cl C + 2% bwoc Calcium Chloride + 0.125#/sx CF + 56.3% FW 14.8 ppg Yld: 1.35 cf/sx
9 5/8" Intermediate	Lead: 1270 sx (35:65) Poz (Fly Ash) Cl C + 5% bwow Sodium Chloride + 0.125#/sx CF + 6% bwoc Bentonite + 5#/sx LCM-1 + 0.2% bwoc FL-52 + 99.2% FW 12.60 ppg Yld: 2.00 cf/sx. TOC @ surface Tail: 400 sx (60:40) Poz (Fly Ash) Cl C + 5% bwow Sodium Chloride + 0.125#/sx CF + 0.3% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 65.5% FW 13.80 ppg Yld 1.38 cf/sx.
5 1/2" Production	1st Stage Lead: 380 sx (35:65) Poz (Fly Ash) Cl H + 3% bwow Sodium Chloride 0.125#/sx CF + 3#/sx LCM-1 + 6% bwoc Bentonite + 0.7% bwoc FL-52A + 102.5% FW 12.50 ppg Yld: 2.01 cf/sx. Tail: 1265 sx (50:50) Poz (Fly Ash) Cl H + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.5% Sodium Metasilicate + 0.5% bwoc FL-52A + 78.3% FW 14.20 ppg Yld: 1.28 cf/sx. DV TOOL @ ~6,500' 2nd Stage Lead: 300 sx Cl C + 1% bwoc R-3 + 0.125#/sx CF + 3% bwoc Sodium Metasilicate + 157% FW 11.40 ppg Yld. 2.88 cf/sx TOC @ 4300' Tail: 100 sx (60:40) Poz (Fly Ash) Cl C + 2% bwow Sodium Chloride + 0.125#/sx CF + 0.2% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 64% FW 13.80 ppg Yld: 1.35cf/sx.
TOC for All Strings:	
Surface	0'
Intermediate	0'
Production:	4300'

pilot hole — Plug Geometry: 8000' – 9194' w/ 510 sx Cl H + 0.15% bwoc R-3 + 46.4 Yld 1.18 cf/sx

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

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 5,000 psi WP. Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns.

5. **Proposed Mud Circulation System**

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc</u>	<u>Fluid Loss</u>	<u>Type System</u>
0' - 750' ^{13 3/8"}	8.8-9.0	30-34	NC	FW
750' - 4800' ^{5 1/2"}	9.8-10.0	28-32	NC	Brine
4800' - 12,923'	8.6-9.0	28-32	NC-12	FW

The necessary mud products for weight addition and fluid loss control will be on location at all times.

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

- A Kelly cock will be in the drill string at all times.
- A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- 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.

7. **Logging, Coring, and Testing Program:** *See COA*

- Drill stem tests will be based on geological sample shows.
- 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.
- The open hole electrical logging program will be:
 - Total Depth to Intermediate Casing Dual Laterolog-Micro Laterolog with SP and Gamma Ray. Compensated Neutron – Z Density log with Gamma Ray and Caliper.
 - Total Depth to Surface Compensated Neutron with Gamma Ray
 - No coring program is planned
 - 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.

8. **Potential Hazards:**

- 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 3884 psi and Estimated BHT 130°. No H2S is anticipated to be encountered.

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

- 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.

Lea County (NAD83)

Red Bull 29 Federal

#1H

OH

Plan: Plan #1

PathfinderX & Y Report

24 January, 2012

PATHFINDER®

A Schlumberger Company



PROJECT DETAILS Lea County (NAD83)
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 -0.50°
Magnetic North 6.93°

Magnetic Field
Strength 48609 Gauss
Dip Angle 60.26°
Date 1/24/2012
Model IGRF2010

PATHFINDER
A Schlumberger Company

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

Project: Lea County (NAD83)
Site: Red Bull 29 Federal
Well #1H
Wellbore OH
Plan: Plan #1 (#1H/OH)

WELL DETAILS #1H

Ground Elevation 3387.6
RKB Elevation KB = 26.2 @ 3423.2usft (H&P 416)
Rig Name H&P 416

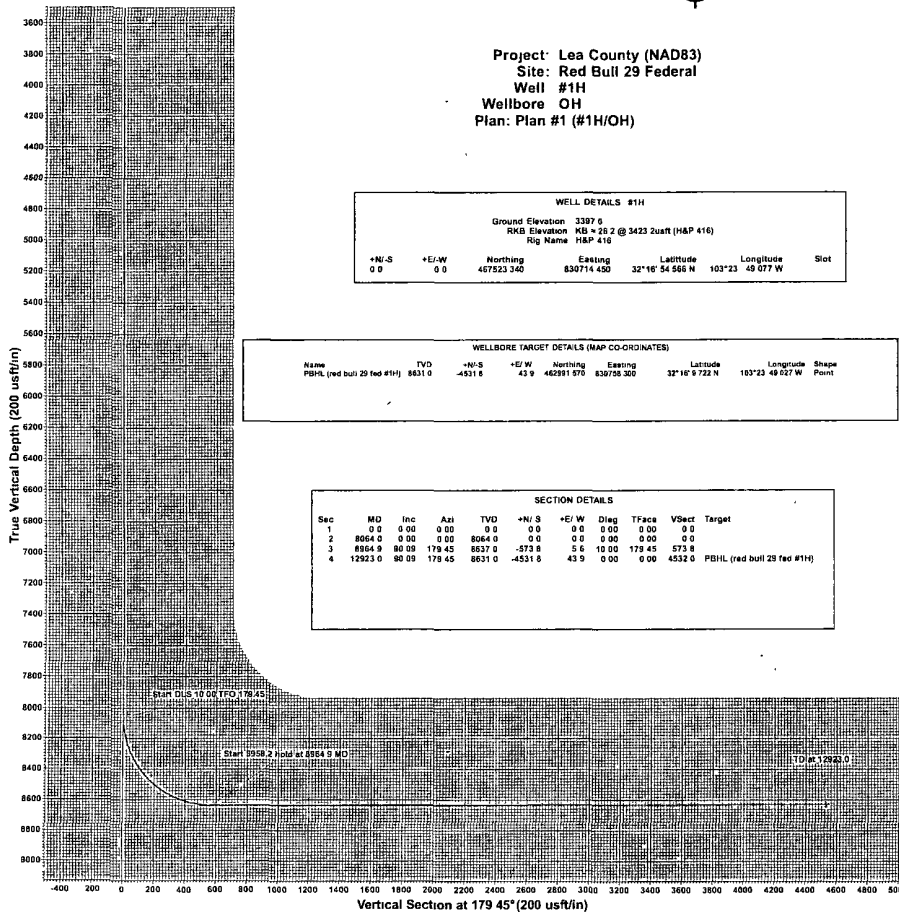
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Spot
0.0	0.0	467523.340	830714.450	32°16'54.565 N	103°23'49.577 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

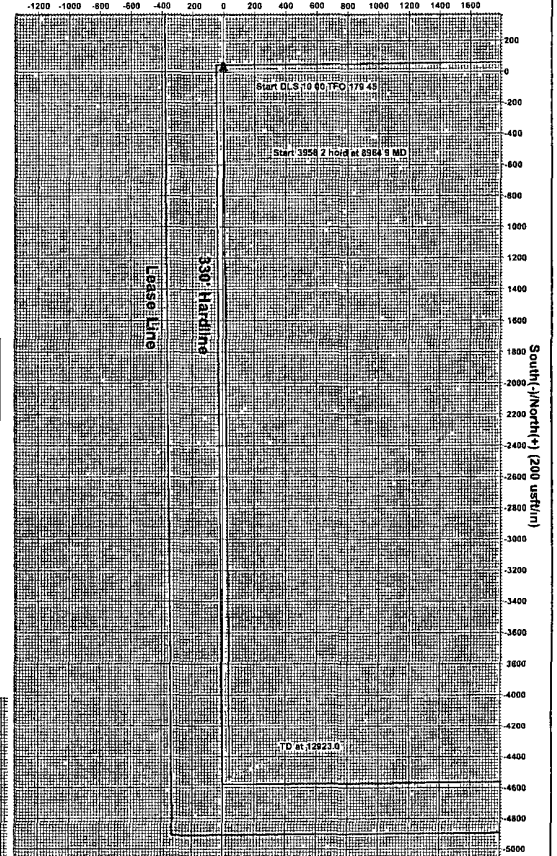
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL (red bull 29 fed #1H)	8631.0	-4531.6	43.9	462981.970	830755.300	32°16'57.722 N	103°23'49.527 W	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSECT	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	8964.9	0.00	0.00	8964.9	0.0	0.0	0.00	0.00	0.0	
3	8964.9	80.00	179.45	8637.0	-573.9	5.6	10.00	179.45	573.9	
4	12923.0	90.00	179.45	8631.0	-4531.6	43.9	0.00	0.00	4532.0	PBHL (red bull 29 fed #1H)



Vertical Section at 179.45° (200 usft/in)



Plan: Plan #1 (#1H/OH)

Created by Sam Biffa Date 9/12, January 24 2012

Checked Date

Plot Title
Date
Author
Scale



Pathfinder
PathfinderX & Y Report

PATHFINDER
A Schlumberger Company

Company	Devon Energy, Inc	Local Co-ordinate Reference:	Site Red Bull 29 Federal
Project	Lea County (NAD83)	TVD Reference:	KB = 26 2 @ 3423 2usft (H&P 416)
Site	Red Bull 29 Federal	MD Reference:	KB = 26 2 @ 3423 2usft (H&P 416)
Well	#1H	North Reference:	Grid
Wellbore	OH	Survey Calculation Method:	Minimum Curvature
Design	Plan #1	Database:	EDM 5000 1 Single User Db

Project	Lea County (NAD83)	System Datum:	Mean Sea Level
Map System	US State Plane 1983		
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Red Bull 29 Federal				
Site Position:		Northing:	467,523 340 usft	Latitude	32° 16' 54 566 N
From:	Map	Easting:	830,714 450 usft	Longitude	103° 23' 49 077 W
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16 "	Grid Convergence	0 50 "

Well	#1H					
Well Position	+N/-S	0 0 usft	Northing	467,523 340 usft	Latitude	32° 16' 54 566 N
	+E/-W	0 0 usft	Easting	830,714 450 usft	Longitude	103° 23' 49 077 W
Position Uncertainty		0 0 usft	Wellhead Elevation	usft	Ground Level	3,397 0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	1/24/2012	(μ)	($^\circ$)	(nT)
			7 43	60 26	48,610

Design	Plan #1				
Audit Notes					
Version:	Phase	PLAN	Tie On Depth	0 0	
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	($^\circ$)	
	0 0	0 0	0 0	179 45	

Survey Tool Program	Date	1/24/2012			
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
0 0	12,923 0	Plan #1 (OH)	Pathfinder	Pathfinder MWD	



Pathfinder
PathfinderX & Y Report



Company:	Devon Energy, Inc	Local Co-ordinate Reference:	Site Red Bull 29 Federal
Project:	Lea County (NAD83)	TVD Reference:	KB = 26 2 @ 3423 2usft (H&P 416)
Site:	Red Bull 29 Federal	MD Reference:	KB = 26 2 @ 3423 2usft (H&P 416)
Well:	#1H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000 1 Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	EW (usft)	V. Sec (usft)	DLeg (7/100usft)	Northings (usft)	Easting (usft)	
0 0	0 00	0 00	0 0	-3,423 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
100 0	0 00	0 00	100 0	-3,323 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
200 0	0 00	0 00	200 0	-3,223 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
300 0	0 00	0 00	300 0	-3,123 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
400 0	0 00	0 00	400 0	-3,023 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
500 0	0 00	0 00	500 0	-2,923 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
600 0	0 00	0 00	600 0	-2,823 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
700 0	0 00	0 00	700 0	-2,723 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
800 0	0 00	0 00	800 0	-2,623 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
900 0	0 00	0 00	900 0	-2,523 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
1,000 0	0 00	0 00	1,000 0	-2,423 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
1,100 0	0 00	0 00	1,100 0	-2,323 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
1,200 0	0 00	0 00	1,200 0	-2,223 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
1,300 0	0 00	0 00	1,300 0	-2,123 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
1,400 0	0 00	0 00	1,400 0	-2,023 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
1,500 0	0 00	0 00	1,500 0	-1,923 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
1,600 0	0 00	0 00	1,600 0	-1,823 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
1,700 0	0 00	0 00	1,700 0	-1,723 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
1,800 0	0 00	0 00	1,800 0	-1,623 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
1,900 0	0 00	0 00	1,900 0	-1,523 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
2,000 0	0 00	0 00	2,000 0	-1,423 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
2,100 0	0 00	0 00	2,100 0	-1,323 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
2,200 0	0 00	0 00	2,200 0	-1,223 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
2,300 0	0 00	0 00	2,300 0	-1,123 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
2,400 0	0 00	0 00	2,400 0	-1,023 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
2,500 0	0 00	0 00	2,500 0	-923 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
2,600 0	0 00	0 00	2,600 0	-823 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	



Pathfinder
PathfinderX & Y Report



Company:	Devon Energy, Inc	Local Co-ordinate Reference:	Site Red Bull 29 Federal
Project:	Lea County (NAD83)	TVD Reference:	KB = 26 2 @ 3423 2usft (H&P 416)
Site:	Red Bull 29 Federal	MD Reference:	KB = 26 2 @ 3423 2usft (H&P 416)
Well:	#1H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000 1 Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
2,700 0	0 00	0 00	2,700 0	-723 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
2,800 0	0 00	0 00	2,800 0	-623 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
2,900 0	0 00	0 00	2,900 0	-523 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
3,000 0	0 00	0 00	3,000 0	-423 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
3,100 0	0 00	0 00	3,100 0	-323 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
3,200 0	0 00	0 00	3,200 0	-223 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
3,300 0	0 00	0 00	3,300 0	-123 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
3,400 0	0 00	0 00	3,400 0	-23 2	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
3,500 0	0 00	0 00	3,500 0	76 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
3,600 0	0 00	0 00	3,600 0	176 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
3,700 0	0 00	0 00	3,700 0	276 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
3,800 0	0 00	0 00	3,800 0	376 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
3,900 0	0 00	0 00	3,900 0	476 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
4,000 0	0 00	0 00	4,000 0	576 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
4,100 0	0 00	0 00	4,100 0	676 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
4,200 0	0 00	0 00	4,200 0	776 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
4,300 0	0 00	0 00	4,300 0	876 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
4,400 0	0 00	0 00	4,400 0	976 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
4,500 0	0 00	0 00	4,500 0	1,076 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
4,600 0	0 00	0 00	4,600 0	1,176 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
4,700 0	0 00	0 00	4,700 0	1,276 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
4,800 0	0 00	0 00	4,800 0	1,376 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
4,900 0	0 00	0 00	4,900 0	1,476 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
5,000 0	0 00	0 00	5,000 0	1,576 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
5,100 0	0 00	0 00	5,100 0	1,676 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
5,200 0	0 00	0 00	5,200 0	1,776 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
5,300 0	0 00	0 00	5,300 0	1,876 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	



Pathfinder
PathfinderX & Y Report



Company:	Devon Energy, Inc	Local Co-ordinate Reference:	Site Red Bull 29 Federal
Project:	Lea County (NAD83)	TVD Reference:	KB = 26 2 @ 3423 2usft (H&P 416)
Site:	Red Bull 29 Federal	MD Reference:	KB = 26 2 @ 3423 2usft (H&P 416)
Well:	#1H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000 1 Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V- Sec (usft)	DLeg (100usft)	Northings (usft)	Easting (usft)	
5,400 0	0 00	0 00	5,400 0	1,976 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
5,500 0	0 00	0 00	5,500 0	2,076 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
5,600 0	0 00	0 00	5,600 0	2,176 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
5,700 0	0 00	0 00	5,700 0	2,276 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
5,800 0	0 00	0 00	5,800 0	2,376 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
5,900 0	0 00	0 00	5,900 0	2,476 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
6,000 0	0 00	0 00	6,000 0	2,576 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
6,100 0	0 00	0 00	6,100 0	2,676 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
6,200 0	0 00	0 00	6,200 0	2,776 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
6,300 0	0 00	0 00	6,300 0	2,876 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
6,400 0	0 00	0 00	6,400 0	2,976 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
6,500 0	0 00	0 00	6,500 0	3,076 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
6,600 0	0 00	0 00	6,600 0	3,176 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
6,700 0	0 00	0 00	6,700 0	3,276 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
6,800 0	0 00	0 00	6,800 0	3,376 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
6,900 0	0 00	0 00	6,900 0	3,476 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
7,000 0	0 00	0 00	7,000 0	3,576 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
7,100 0	0 00	0 00	7,100 0	3,676 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
7,200 0	0 00	0 00	7,200 0	3,776 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
7,300 0	0 00	0 00	7,300 0	3,876 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
7,400 0	0 00	0 00	7,400 0	3,976 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
7,500 0	0 00	0 00	7,500 0	4,076 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
7,600 0	0 00	0 00	7,600 0	4,176 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
7,700 0	0 00	0 00	7,700 0	4,276 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
7,800 0	0 00	0 00	7,800 0	4,376 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
7,900 0	0 00	0 00	7,900 0	4,476 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
8,000 0	0 00	0 00	8,000 0	4,576 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	



Pathfinder
PathfinderX & Y Report



Company:	Devon Energy, Inc	Local Co-ordinate Reference:	Site Red Bull 29 Federal
Project:	Lea County (NAD83)	TVD Reference:	KB = 26 2 @ 3423 2usft (H&P 416)
Site:	Red Bull 29 Federal	MD Reference:	KB = 26 2 @ 3423 2usft (H&P 416)
Well:	#1H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000 1 Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V.Sec (usft)	DLag (?/100usft)	Northing (usft)	Easting (usft)	
8,064 0	0 00	0 00	8,064 0	4,640 8	0 0	0 0	0 0	0 00	467,523 34	830,714 45	
8,100 0	3 60	179 45	8,100 0	4,676 8	-1 1	0 0	1 1	10 00	467,522 21	830,714 46	
8,150 0	8 60	179 45	8,149 7	4,726 5	-6 4	0 1	6 4	10 00	467,516 90	830,714 51	
8,200 0	13 60	179 45	8,198 7	4,775 5	-16 1	0 2	16 1	10 00	467,507 28	830,714 61	
8,250 0	18 60	179 45	8,246 8	4,823 6	-29 9	0 3	29 9	10 00	467,493 41	830,714 74	
8,300 0	23 60	179 45	8,293 4	4,870 2	-47 9	0 5	47 9	10 00	467,475 42	830,714 91	
8,350 0	28 60	179 45	8,338 3	4,915 1	-69 9	0 7	69 9	10 00	467,453 43	830,715 13	
8,400 0	33 60	179 45	8,381 1	4,957 9	-95 7	0 9	95 7	10 00	467,427 62	830,715 38	
8,450 0	38 60	179 45	8,421 5	4,998 3	-125 2	1 2	125 2	10 00	467,398 17	830,715 66	
8,500 0	43 60	179 45	8,459 1	5,035 9	-158 0	1 5	158 0	10 00	467,365 31	830,715 98	
8,550 0	48 60	179 45	8,493 8	5,070 6	-194 0	1 9	194 1	10 00	467,329 30	830,716 33	
8,600 0	53 60	179 45	8,525 2	5,102 0	-232 9	2 3	233 0	10 00	467,290 40	830,716 70	
8,650 0	58 60	179 45	8,553 0	5,129 8	-274 4	2 7	274 4	10 00	467,248 91	830,717 11	
8,700 0	63 60	179 45	8,577 2	5,154 0	-318 2	3 1	318 2	10 00	467,205 15	830,717 53	
8,750 0	68 60	179 45	8,597 5	5,174 3	-363 9	3 5	363 9	10 00	467,159 46	830,717 97	
8,800 0	73 60	179 45	8,613 6	5,190 4	-411 2	4 0	411 2	10 00	467,112 17	830,718 43	
8,850 0	78 60	179 45	8,625 7	5,202 5	-459 7	4 4	459 7	10 00	467,063 65	830,718 90	
8,900 0	83 60	179 45	8,633 4	5,210 2	-509 1	4 9	509 1	10 00	467,014 27	830,719 38	
8,950 0	88 60	179 45	8,636 8	5,213 6	-558 9	5 4	559 0	10 00	466,964 41	830,719 86	
8,964 9	90 09	179 45	8,637 0	5,213 8	-573 8	5 6	573 8	10 00	466,949 55	830,720 00	
9,000 0	90 09	179 45	8,636 9	5,213 7	-608 9	5 9	609 0	0 00	466,914 41	830,720 34	
9,100 0	90 09	179 45	8,636 8	5,213 6	-708 9	6 9	709 0	0 00	466,814 42	830,721 31	
9,200 0	90 09	179 45	8,636 6	5,213 4	-808 9	7 8	809 0	0 00	466,714 42	830,722 28	
9,300 0	90 09	179 45	8,636 5	5,213 3	-908 9	8 8	909 0	0 00	466,614 43	830,723 24	
9,400 0	90 09	179 45	8,636 3	5,213 1	-1,008 9	9 8	1,009 0	0 00	466,514 43	830,724 21	
9,500 0	90 09	179 45	8,636 2	5,213 0	-1,108 9	10 7	1,109 0	0 00	466,414 43	830,725 18	
9,600 0	90 09	179 45	8,636 0	5,212 8	-1,208 9	11 7	1,209 0	0 00	466,314 44	830,726 15	



Pathfinder
PathfinderX & Y Report



Company	Devon Energy, Inc	Local Co-ordinate Reference	Site Red Bull 29 Federal
Project	Lea County (NAD83)	TVD Reference	KB = 26 2 @ 3423 2usft (H&P 416)
Site	Red Bull 29 Federal	MD Reference	KB = 26 2 @ 3423 2usft (H&P 416)
Well	#1H	North Reference	Grd
Wellbore	OH	Survey Calculation Method	Minimum Curvature
Design	Plan #1	Database	EDM 5000 1 Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northings (usft)	Eastings (usft)	
9,700 0	90 09	179 45	8,635 9	5,212 7	-1,308 9	12 7	1,309 0	0 00	466,214 44	830,727 12	
9,800 0	90 09	179 45	8,635 7	5,212 5	-1,408 9	13 6	1,409 0	0 00	466,114 45	830,728 08	
9,900 0	90 09	179 45	8,635 5	5,212 3	-1,508 9	14 6	1,509 0	0 00	466,014 45	830,729 05	
10,000 0	90 09	179 45	8,635 4	5,212 2	-1,608 9	15 6	1,609 0	0 00	465,914 46	830,730 02	
10,100 0	90 09	179 45	8,635 2	5,212 0	-1,708 9	16 5	1,709 0	0 00	465,814 46	830,730 99	
10,200 0	90 09	179 45	8,635 1	5,211 9	-1,808 9	17 5	1,809 0	0 00	465,714 47	830,731 95	
10,300 0	90 09	179 45	8,634 9	5,211 7	-1,908 9	18 5	1,909 0	0 00	465,614 47	830,732 92	
10,400 0	90 09	179 45	8,634 8	5,211 6	-2,008 9	19 4	2,009 0	0 00	465,514 48	830,733 89	
10,500 0	90 09	179 45	8,634 6	5,211 4	-2,108 9	20 4	2,109 0	0 00	465,414 48	830,734 86	
10,600 0	90 09	179 45	8,634 5	5,211 3	-2,208 9	21 4	2,209 0	0 00	465,314 49	830,735 82	
10,700 0	90 09	179 45	8,634 3	5,211 1	-2,308 8	22 3	2,309 0	0 00	465,214 49	830,736 79	
10,800 0	90 09	179 45	8,634 2	5,211 0	-2,408 8	23 3	2,409 0	0 00	465,114 50	830,737 76	
10,900 0	90 09	179 45	8,634 0	5,210 8	-2,508 8	24 3	2,509 0	0 00	465,014 50	830,738 73	
11,000 0	90 09	179 45	8,633 9	5,210 7	-2,608 8	25 2	2,609 0	0 00	464,914 51	830,739 69	
11,100 0	90 09	179 45	8,633 7	5,210 5	-2,708 8	26 2	2,709 0	0 00	464,814 51	830,740 66	
11,200 0	90 09	179 45	8,633 6	5,210 4	-2,808 8	27 2	2,809 0	0 00	464,714 52	830,741 63	
11,300 0	90 09	179 45	8,633 4	5,210 2	-2,908 8	28 1	2,909 0	0 00	464,614 52	830,742 60	
11,400 0	90 09	179 45	8,633 3	5,210 1	-3,008 8	29 1	3,009 0	0 00	464,514 53	830,743 56	
11,500 0	90 09	179 45	8,633 1	5,209 9	-3,108 8	30 1	3,109 0	0 00	464,414 53	830,744 53	
11,600 0	90 09	179 45	8,633 0	5,209 8	-3,208 8	31 0	3,209 0	0 00	464,314 54	830,745 50	
11,700 0	90 09	179 45	8,632 8	5,209 6	-3,308 8	32 0	3,309 0	0 00	464,214 54	830,746 47	
11,800 0	90 09	179 45	8,632 7	5,209 5	-3,408 8	33 0	3,409 0	0 00	464,114 54	830,747 43	
11,900 0	90 09	179 45	8,632 5	5,209 3	-3,508 8	34 0	3,509 0	0 00	464,014 55	830,748 40	
12,000 0	90 09	179 45	8,632 4	5,209 2	-3,608 8	34 9	3,609 0	0 00	463,914 55	830,749 37	
12,100 0	90 09	179 45	8,632 2	5,209 0	-3,708 8	35 9	3,709 0	0 00	463,814 56	830,750 34	
12,200 0	90 09	179 45	8,632 1	5,208 9	-3,808 8	36 9	3,809 0	0 00	463,714 56	830,751 30	
12,300 0	90 09	179 45	8,631 9	5,208 7	-3,908 8	37 8	3,909 0	0 00	463,614 57	830,752 27	



Pathfinder
PathfinderX & Y Report

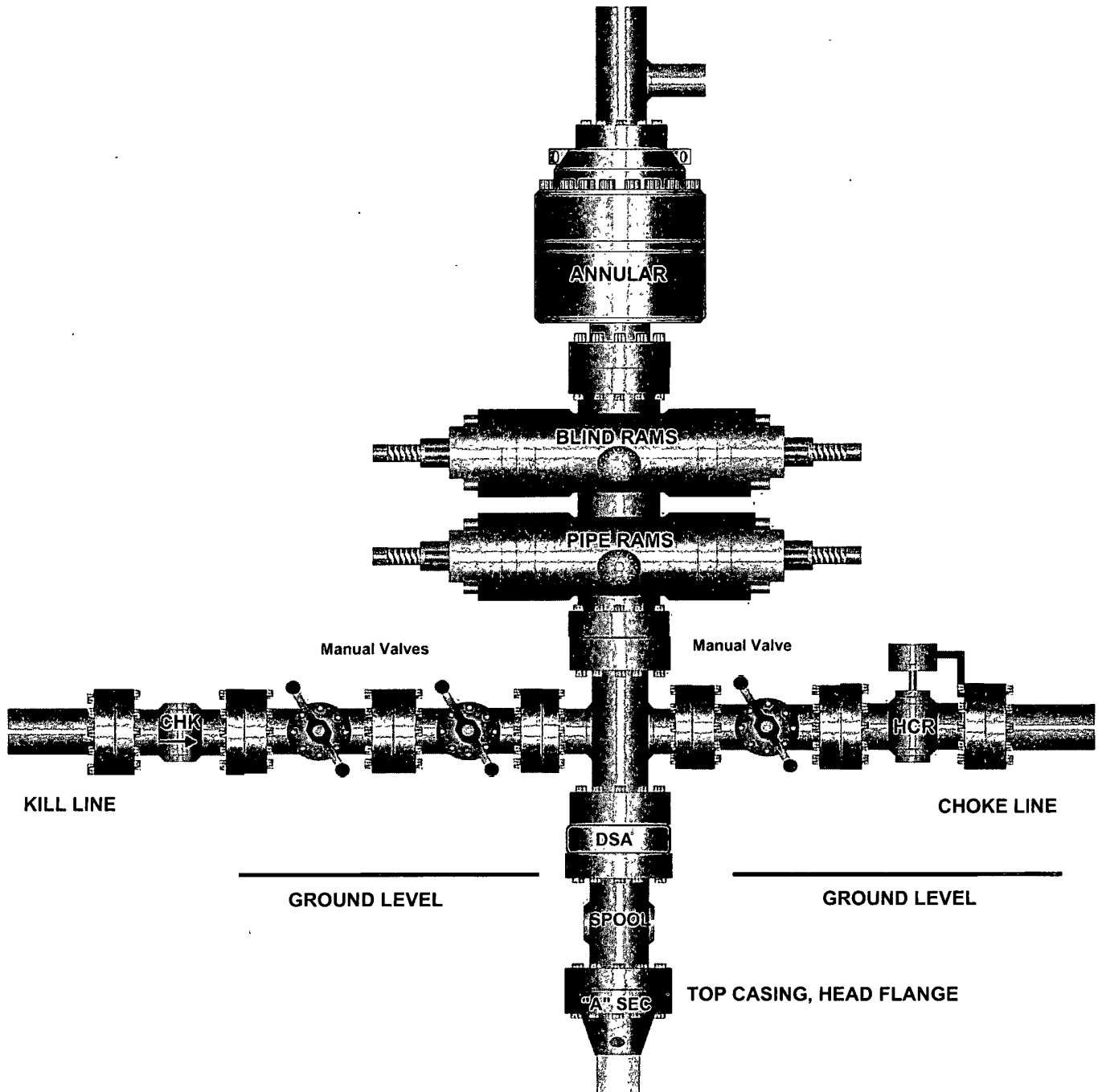


Company:	Devon Energy, Inc	Local Co-ordinate Reference:	Site Red Bull 29 Federal
Project:	Lea County (NAD83)	TVD Reference:	KB = 26 2 @ 3423 2usft (H&P 416)
Site:	Red Bull 29 Federal	MD Reference:	KB = 26 2 @ 3423 2usft (H&P 416)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000 1 Single User.Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
12,400 0	90 09	179 45	8,631 8	5,208 6	-4,008 8	38 8	4,009 0	0 00	463,514 57	830,753 24
12,500 0	90 09	179 45	8,631 6	5,208 4	-4,108 8	39 8	4,109 0	0 00	463,414 58	830,754 21
12,600 0	90 09	179 45	8,631 5	5,208 3	-4,208 8	40 7	4,209 0	0 00	463,314 58	830,755 17
12,700 0	90 09	179 45	8,631 3	5,208 1	-4,308 8	41 7	4,309 0	0 00	463,214 59	830,756 14
12,800 0	90 09	179 45	8,631 2	5,208 0	-4,408 7	42 7	4,409 0	0 00	463,114 59	830,757 11
12,900 0	90 09	179 45	8,631 0	5,207 8	-4,508 7	43 6	4,509 0	0 00	463,014 60	830,758 08
12,923 0	90 09	179 45	8,631 0	5,207 8	-4,531 8	43 9	4,532 0	0 00	462,991 57	830,758 30

Checked By	_____	Approved By	_____	Date	_____
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13-5/8" x 3,000 psi BOP Stack



NOTES REGARDING BLOWOUT PREVENTERS

Devon Energy Production Company, LP

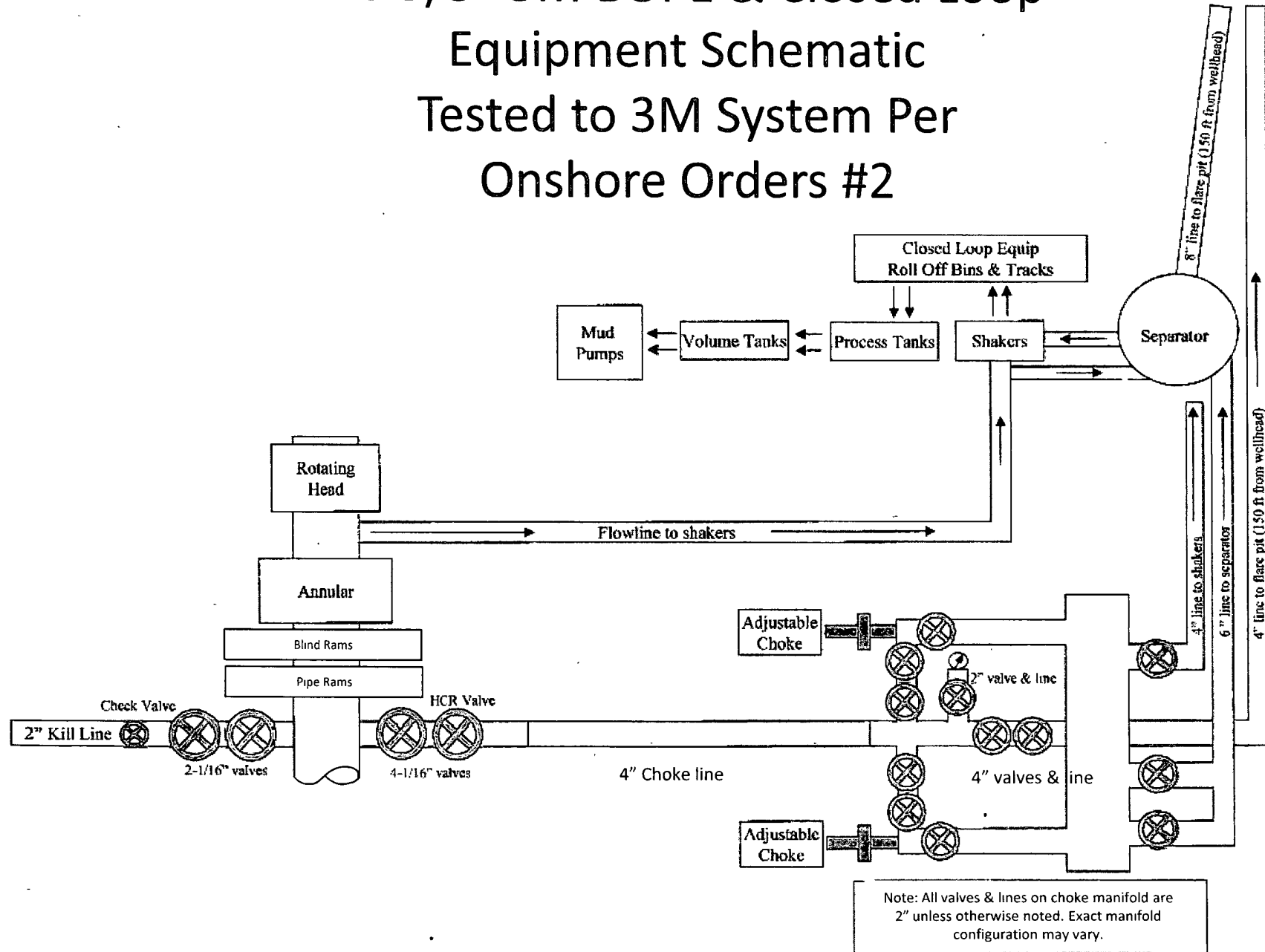
Red Bull 29 Federal 1H

Surface Location: 375' FNL & 375' FWL, Unit D, Sec 29 T23S R35E, Lea, NM

Bottom Hole Location: 375' FSL & 375' FWL, Unit F, Sec 29 T23S R35E, Lea, 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" 5M BOPE & Closed Loop Equipment Schematic Tested to 3M System Per Onshore Orders #2





Fluid Technology

ContiTech Beattie Corp.
Website: www.contitechbeattie.com

Monday, June 14, 2010

RE: Drilling & Production Hoses
Lifting & Safety Equipment

To Helmerich & Payne,

A Continental ContiTech hose assembly can perform as intended and suitable for the application regardless of whether the hose is secured or unsecured in its configuration. As a manufacturer of High Pressure Hose Assemblies for use in Drilling & Production, we do offer the corresponding lifting and safety equipment, this has the added benefit of easing the lifting and handling of each hose assembly whilst affording hose longevity by ensuring correct handling methods and procedures as well as securing the hose in the unlikely event of a failure; but in no way does the lifting and safety equipment affect the performance of the hoses providing the hoses have been handled and installed correctly. It is good practice to use lifting & safety equipment but not mandatory.

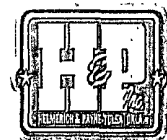
Should you have any questions or require any additional information/clarifications then please do not hesitate to contact us.

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

Best regards,

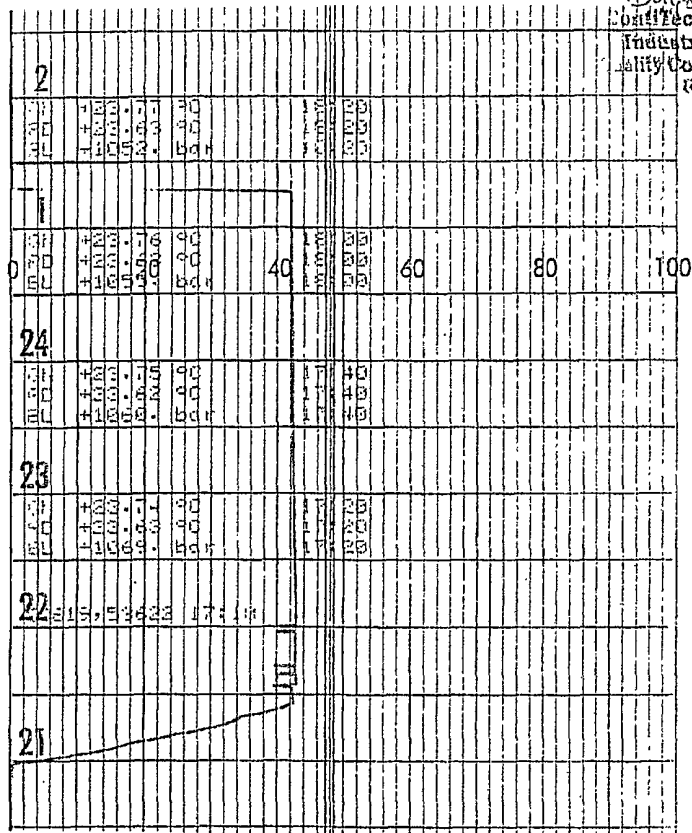
Robin Hodgson
Sales Manager
ContiTech Beattie Corp

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



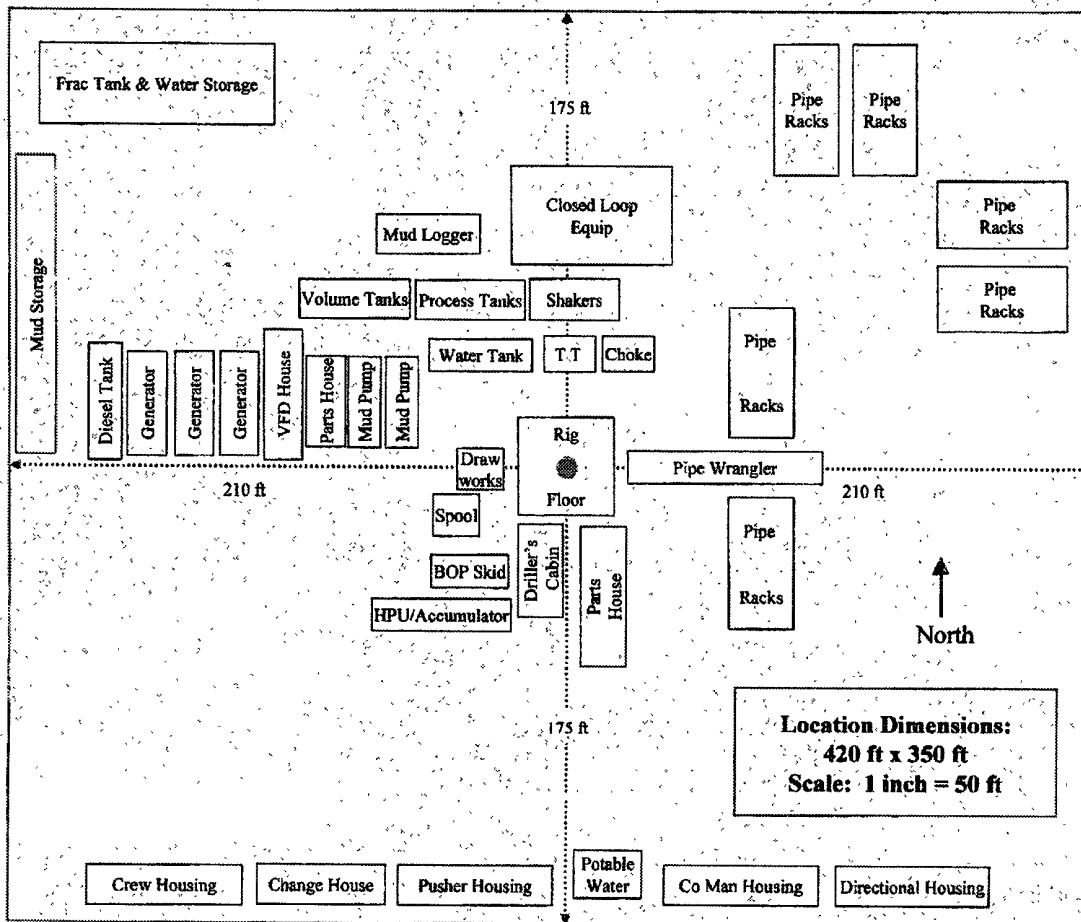
QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 1713	
PURCHASER: ContiTech Beattie Co.				P.O. N°: 002808	
CONTITECH ORDER N°: 426127		HOSE TYPE: 3" ID Choke and Kill Hose			
HOSE SERIAL N°: 53622		NOMINAL / ACTUAL LENGTH: 10,67 m			
W.P. 68,96 MPa 10000 psi		T.P. 103,4 MPa 15000 psi		Duration: 60 min.	
Pressure test with water at ambient temperature See attachment. (1 page) ↑ 10 mm = 10 Min. → 10 mm = 25 MPa					
COUPLINGS Type		Serial N°		Quality	
3" coupling with 4 1/16" Flange end		5503 2029		AISI 4130 AISI 4130	
				Heat N° N1590P 27566	
INFOCHIP INSTALLED				API Spec 16 C Temperature rate:"B"	
All metal parts are flawless				Hose conform to NACE MR 01-75	
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements. COUNTRY OF ORIGIN HUNGARY/EU					
Date:		Inspector		Quality Control	
25. August. 2008				ContiTech Rubber Industrial Kft. Quality Control Dept. <i>[Signature]</i> <i>[Signature]</i>	

HARTMANN &



Confitech Rubber
Industrial Kft.
Quality Control Dept.
(2)

H&P Flex Rig Location Layout



TOPSOIL TO BE PLACED ON EAST SIDE