

APR 26 2013

OCD Hobbs

RECEIVED
Form 100-100
(March 2012)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 20145. Lease Serial No.
NMNM 104685

6. If Indian, Allottee or Tribe Name

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

1a. Type of work: ☒ DRILL☐ REENTER

1b. Type of Well:

☒ Oil Well☐ Gas Well☐ Other☒ Single Zone☐ Multiple Zone

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY, L.P.

60137

8. Lease Name and Well No.
Taylor Draw 7 Fed 1H

39849

9. API Well No.

30-025-41146

3a. Address 333 W. SHERIDAN AVENUE
OKLAHOMA CITY, OK 73102-50103b. Phone No. (include area code)
405-552-784810. Field and Pool, or Exploratory
Lusk 1 Bone Spring

4/14/10

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

At surface 1650 FSL & 200 FEL; Unit I, 7-19S-32E

PP: 1980 FSL & 247 FEL

At proposed prod. zone 1980 FSL & 330 FWL; Unit L, 7-19S-32E

11. Sec., T. R. M. or Blk. and Survey or Area
7-19S-32E14. Distance in miles and direction from nearest town or post office*
Approximately 19 miles SE of Loco Hills, NM12. County or Parish
Lea13. State
NM15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

330'

16. No. of acres in lease

443.4 Acres

17. Spacing Unit dedicated to this well

160.84 Acres

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

See Attached Map

19. Proposed Depth
14,711' MD 9,985' TVD20. BLM/BIA Bond No. on file
CO1104; NMB-00080121. Elevations (Show whether DF, KDB, RT, GL, etc.)
3,616' GL22. Approximate date work will start*
09/27/201323. Estimated duration
35 DAYS

24. Attachments

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

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

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

25. Signature

Name (Printed/Typed)
David H. CookDate
01/17/2013

Title

Regulatory Specialist

Approved by (Signature) /s/George MacDonell

Name (Printed/Typed)

Date APR 24 2013

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.

(Continued on page 2)

*(Instructions on page 2)

Capitan Controlled Water Basin

KZ
04/26/13Approval Subject to General Requirements
& Special Stipulations AttachedSEE ATTACHED FOR
CONDITIONS OF APPROVAL
APR 29 2013

DRILLING PROGRAM

Devon Energy Production Company, LP
Taylor Draw 7 Fed 1H

Surface Location: 1650 FSL & 200 FEL, Unit I, Sec 7 T19S R32E, Lea, NM

Bottom Hole Location: 1980 FSL & 330 FWL, Unit L, Sec 7 T19S R32E, Lea, NM

1. Geologic Name of Surface Formation

a. Quaternary

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

a. Fresh Water	345'	
b. Rustler	850'	
c. Top of Salt	1,050'	
d. Base of Salt	2,633'	
e. Yates	2,700'	Potential Oil & Gas
f. Seven Rivers	2,903'	Potential Oil & Gas
g. Queen	3,652'	Potential Oil & Gas
h. Delaware	4,500'	Potential Oil & Gas
i. Bone Spring	6,960'	Potential Oil & Gas
j. 1 st Bone Spring Sand	8,260'	Potential Oil & Gas
k. 2 nd Bone Spring Sand	9,015'	Potential Oil & Gas
l. 3 rd Bone Spring Sand	10,135'	Potential Oil & Gas

Total Depth 9,985' TVD 14,711' MD

3. Casing Program: (All casing is new and API approved.)

<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>
	960'		960'			
17-1/2"	0 - 1,025	13-3/8"	0 - 1,025	48#	STC	H-40
12-1/4"	1,025 - 4,525	9-5/8"	0 - 4,525	40#	LTC	HCK-55
8-3/4"	4,525 - 9,400	5-1/2"	0 - 9,400	17#	LTC	HCP-110
8-3/4"	9,400 - 14,711	5-1/2"	9,400 - 14,711	17#	BTC	HCP-110

Sec
6A

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", 48#, H-40, ST&C	1.61	3.61	6.54
9-5/8", 40#, HCK-55 LT&C	1.80	1.50	3.48
5-1/2" 17# HCP-110 LTC	1.58	2.25	1.78
5-1/2" 17# HCP-110 BTC	1.69	2.41	6.34

4. Cement Program: (cement volumes based on at least 100% Surface, 50% Intermediate and 25% excess on Production)

13-3/8" Surface	Lead: 500 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 4% bwoc Bentonite + 70.1% Fresh Water, 13.5 ppg, Yield: 1.75 cf/sk. TOC @ surface Tail: 515 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 63.1% Fresh Water, 14.8 ppg, Yield: 1.35 cf/sk
9-5/8" Intermediate	Lead: 900 sacks (65:35) Class C Cement:Poz (Fly Ash): + 5% bwow Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 6% bwoc Bentonite + 70.9% Fresh Water, 12.9 ppg, Yield: 1.85 cf/sk. TOC @ surface Tail: 360 sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.8 ppg, Yield: 1.33 cf/sk.
5-1/2" Production	Lead: 520 sacks Tuned Lite Class C Cement: HR-601 + 13.54 Gal/sk Fresh Water, 10.2 ppg, Yield: 2.91 cf/sk. Tail: 1450 sacks (50:50) Class H Cement:Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water, 14.5 ppg, Yield: 1.22 cf/sk.

See
COR

— TOC @ 4500 ft 200 minimum overlap

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" Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2, a 3M system will be installed and tested prior to drilling out the surface casing shoe.

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

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

*See
COA*

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line); if an H&P rig drills this well. Otherwise no flex line is needed. 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 - 1,025	8.4 - 9.0	30 - 34	NC	FW
1,025 - 4,525	9.8 - 10.0	28 - 32	NC	Brine
2,650 - 14,711	8.6 - 9.0	28 - 32	N12	FW

The necessary mud products for weight addition and fluid loss control will be on location at all times. Visual mud monitoring equipment will be in place to detect volume changes indicating loss or gain of circulating fluid volume. If abnormal pressures are encountered, electronic/mechanical mud monitoring equipment will be installed.

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.

*See
COA*

7. Logging, Coring, and Testing Program:

- d. Drill stem tests will be based on geological sample shows.
- e. 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.
- f. The open hole electrical logging program will be:
 - i. Total Depth to Intermediate Casing Dual Laterolog-Micro Laterolog with SP and Gamma Ray. Compensated Neutron – Z Density log with Gamma Ray and Caliper.
 - ii. Total Depth to Surface Compensated Neutron with Gamma Ray
 - iii. No coring program is planned
 - iv. Additional testing will be initiated subsequent to setting the 5 ½" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows and drill stem tests.

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 4600 psi and Estimated BHT 130°. No H₂S is anticipated to be encountered.

9. Anticipated Starting Date and Duration of Operations:

- a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 35 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.



A Schlumberger Company

Devon Energy, Inc.

Lea County (NAD83)

Taylor Draw 7 Fed

#1H

OH

Plan: Plan #1

Pathfinder X&Y Report

03 January, 2013



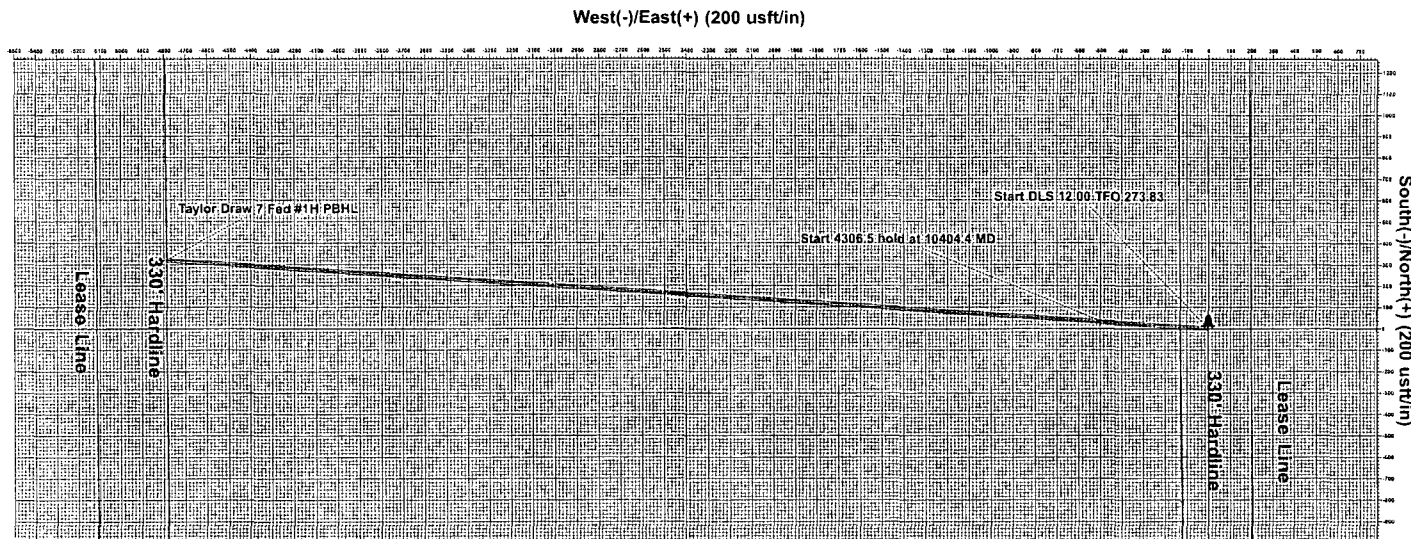
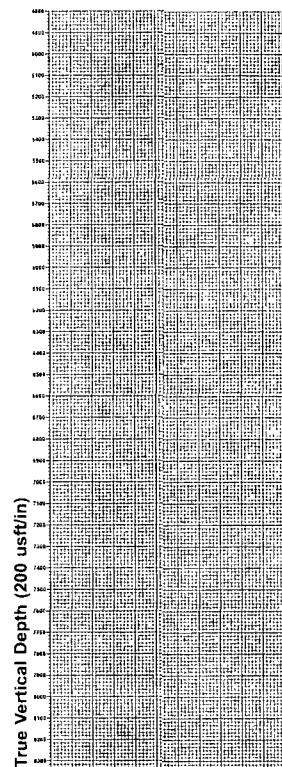


PROJECT DETAILS: Lea County (NAD83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid

Project: Lea County (NAD83)
Site: Taylor Draw 7 Fed
Well: #1H
Wellbore: OH
Plan: Plan #1 (#1H/OH)



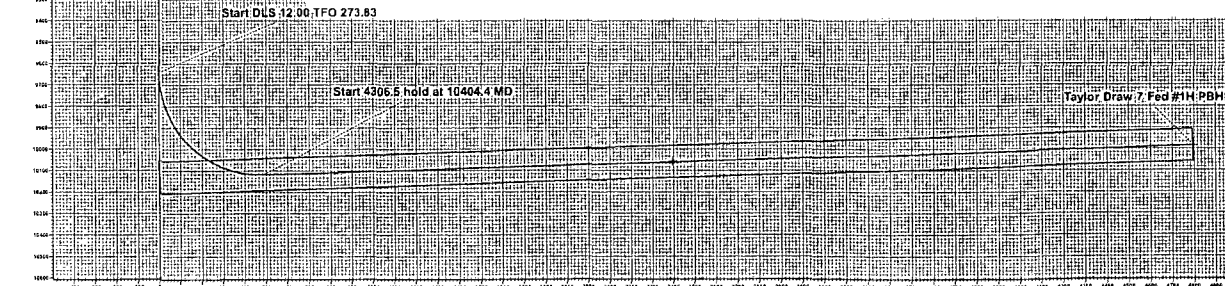
A Schlumberger Company



WELL DETAILS: #1H						
Ground Elevation: 3516.8						
RKB Elevation: KB = 18' @ 3634.8usft (Original Well Elev)						
Rig Name: Original Well Elev						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	608719.880	706167.040	32.672273	-103.797663	

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dip	TFace	V Sect Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	9639.8	0.00	0.00	9639.8	0.0	0.0	0.00	0.00	0.0
3	10404.4	91.76	273.83	10117.0	32.9	-491.0	12.00	273.83	492.1
4	14711.0	91.76	273.83	9985.0	320.7	-4785.9	0.00	0.00	4796.6 Taylor Draw 7 Fed #1H PBHL

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Taylor Draw 7 Fed #1H PBHL	9985.0	320.7	-4785.9	609040.540	701381.150	Point
Taylor Draw TGT Box	10056.2	160.2	-2392.9	608880.078	703774.096	Rectangle (Sides: L4796.6 W15.0)



Vertical Section at 273.83° (200 usft/in)



Azimuths to Grid North
True North: -0.29°
Magnetic North: 7.24°

Magnetic Field
Strength: 48704.6snT
Dip Angle: 60.52°
Date: 1/3/2013
Model: IGRF2010

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

Created By: Michael Trout Date: 10-11, January 03 2013

Checked: _____ Date: _____

Lea County, NM
Taylor Draw 7 Fed
Well #1H
Original Well Elev
RKB = 18'



A Schlumberger Company

Pathfinder

Pathfinder X&Y Report



Company: Devon Energy, Inc.
Project: Lea County (NAD83)
Site: Taylor Draw 7 Fed
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
MD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Project Lea County (NAD83)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site Taylor Draw 7 Fed

Site Position:	Northing:	608,719.880 usft	Latitude:	32.672273
From: Map	Easting:	706,167.040 usft	Longitude:	-103.797663
Position Uncertainty: 0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.29 °

Well #1H

Well Position	+N/-S	0.0 usft	Northing:	608,719.880 usft	Latitude:	32.672273
	+E/-W	0.0 usft	Easting:	706,167.040 usft	Longitude:	-103.797663
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,616.8 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/3/2013	7.53	60.52	48,705

Design Plan #1

Audit Notes:

Version: **Phase:** PLAN **Tie On Depth:** 0.0

Vertical Section:	Depth From (TVD): (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	9,985.0	0.0	0.0	273.83

Survey Tool Program Date 1/3/2013

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	14,710.2	Plan #1 (OH)	MWD	MWD - Standard



A Schlumberger Company

Pathfinder
Pathfinder X&Y Report



Company: Devon Energy, Inc.
Project: Lea County (NAD83)
Site: Taylor Draw 7 Fed
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
MD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
0.0	0.00	0.00	0.0	-3,634.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
100.0	0.00	0.00	100.0	-3,534.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
200.0	0.00	0.00	200.0	-3,434.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
300.0	0.00	0.00	300.0	-3,334.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
400.0	0.00	0.00	400.0	-3,234.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
500.0	0.00	0.00	500.0	-3,134.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
600.0	0.00	0.00	600.0	-3,034.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
700.0	0.00	0.00	700.0	-2,934.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
800.0	0.00	0.00	800.0	-2,834.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
900.0	0.00	0.00	900.0	-2,734.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
1,000.0	0.00	0.00	1,000.0	-2,634.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
1,100.0	0.00	0.00	1,100.0	-2,534.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
1,200.0	0.00	0.00	1,200.0	-2,434.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
1,300.0	0.00	0.00	1,300.0	-2,334.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
1,400.0	0.00	0.00	1,400.0	-2,234.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
1,500.0	0.00	0.00	1,500.0	-2,134.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
1,600.0	0.00	0.00	1,600.0	-2,034.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
1,700.0	0.00	0.00	1,700.0	-1,934.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
1,800.0	0.00	0.00	1,800.0	-1,834.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
1,900.0	0.00	0.00	1,900.0	-1,734.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
2,000.0	0.00	0.00	2,000.0	-1,634.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
2,100.0	0.00	0.00	2,100.0	-1,534.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
2,200.0	0.00	0.00	2,200.0	-1,434.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
2,300.0	0.00	0.00	2,300.0	-1,334.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
2,400.0	0.00	0.00	2,400.0	-1,234.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
2,500.0	0.00	0.00	2,500.0	-1,134.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
2,600.0	0.00	0.00	2,600.0	-1,034.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04



A Schlumberger Company

Pathfinder Pathfinder X&Y Report



Company: Devon Energy, Inc.
Project: Lea County (NAD83)
Site: Taylor Draw 7 Fed
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well #1H

KB = 18' @ 3634.8usft (Original Well Elev)

KB = 18' @ 3634.8usft (Original Well Elev)

Grid

Minimum Curvature

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	-934.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
2,800.0	0.00	0.00	2,800.0	-834.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
2,900.0	0.00	0.00	2,900.0	-734.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
3,000.0	0.00	0.00	3,000.0	-634.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
3,100.0	0.00	0.00	3,100.0	-534.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
3,200.0	0.00	0.00	3,200.0	-434.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
3,300.0	0.00	0.00	3,300.0	-334.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
3,400.0	0.00	0.00	3,400.0	-234.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
3,500.0	0.00	0.00	3,500.0	-134.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
3,600.0	0.00	0.00	3,600.0	-34.8	0.0	0.0	0.0	0.00	608,719.88	706,167.04
3,700.0	0.00	0.00	3,700.0	65.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
3,800.0	0.00	0.00	3,800.0	165.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
3,900.0	0.00	0.00	3,900.0	265.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
4,000.0	0.00	0.00	4,000.0	365.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
4,100.0	0.00	0.00	4,100.0	465.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
4,200.0	0.00	0.00	4,200.0	565.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
4,300.0	0.00	0.00	4,300.0	665.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
4,400.0	0.00	0.00	4,400.0	765.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
4,500.0	0.00	0.00	4,500.0	865.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
4,600.0	0.00	0.00	4,600.0	965.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
4,700.0	0.00	0.00	4,700.0	1,065.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
4,800.0	0.00	0.00	4,800.0	1,165.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
4,900.0	0.00	0.00	4,900.0	1,265.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
5,000.0	0.00	0.00	5,000.0	1,365.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
5,100.0	0.00	0.00	5,100.0	1,465.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
5,200.0	0.00	0.00	5,200.0	1,565.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
5,300.0	0.00	0.00	5,300.0	1,665.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04



A Schlumberger Company

Pathfinder

Pathfinder X&Y Report



Company: Devon Energy, Inc.
Project: Lea County (NAD83)
Site: Taylor Draw 7 Fed
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
MD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
5,400.0	0.00	0.00	5,400.0	1,765.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
5,500.0	0.00	0.00	5,500.0	1,865.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
5,600.0	0.00	0.00	5,600.0	1,965.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
5,700.0	0.00	0.00	5,700.0	2,065.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
5,800.0	0.00	0.00	5,800.0	2,165.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
5,900.0	0.00	0.00	5,900.0	2,265.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
6,000.0	0.00	0.00	6,000.0	2,365.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
6,100.0	0.00	0.00	6,100.0	2,465.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
6,200.0	0.00	0.00	6,200.0	2,565.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
6,300.0	0.00	0.00	6,300.0	2,665.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
6,400.0	0.00	0.00	6,400.0	2,765.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
6,500.0	0.00	0.00	6,500.0	2,865.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
6,600.0	0.00	0.00	6,600.0	2,965.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
6,700.0	0.00	0.00	6,700.0	3,065.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
6,800.0	0.00	0.00	6,800.0	3,165.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
6,900.0	0.00	0.00	6,900.0	3,265.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
7,000.0	0.00	0.00	7,000.0	3,365.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
7,100.0	0.00	0.00	7,100.0	3,465.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
7,200.0	0.00	0.00	7,200.0	3,565.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
7,300.0	0.00	0.00	7,300.0	3,665.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
7,400.0	0.00	0.00	7,400.0	3,765.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
7,500.0	0.00	0.00	7,500.0	3,865.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
7,600.0	0.00	0.00	7,600.0	3,965.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
7,700.0	0.00	0.00	7,700.0	4,065.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
7,800.0	0.00	0.00	7,800.0	4,165.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
7,900.0	0.00	0.00	7,900.0	4,265.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
8,000.0	0.00	0.00	8,000.0	4,365.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04

Company: Devon Energy, Inc.
Project: Lea County (NAD83)
Site: Taylor Draw 7 Fed
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
MD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
8,100.0	0.00	0.00	8,100.0	4,465.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
8,200.0	0.00	0.00	8,200.0	4,565.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
8,300.0	0.00	0.00	8,300.0	4,665.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
8,400.0	0.00	0.00	8,400.0	4,765.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
8,500.0	0.00	0.00	8,500.0	4,865.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
8,600.0	0.00	0.00	8,600.0	4,965.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
8,700.0	0.00	0.00	8,700.0	5,065.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
8,800.0	0.00	0.00	8,800.0	5,165.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
8,900.0	0.00	0.00	8,900.0	5,265.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
9,000.0	0.00	0.00	9,000.0	5,365.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
9,100.0	0.00	0.00	9,100.0	5,465.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
9,200.0	0.00	0.00	9,200.0	5,565.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
9,300.0	0.00	0.00	9,300.0	5,665.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
9,400.0	0.00	0.00	9,400.0	5,765.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
9,500.0	0.00	0.00	9,500.0	5,865.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
9,600.0	0.00	0.00	9,600.0	5,965.2	0.0	0.0	0.0	0.00	608,719.88	706,167.04
9,639.8	0.00	0.00	9,639.8	6,005.0	0.0	0.0	0.0	0.00	608,719.88	706,167.04
9,650.0	1.22	273.83	9,650.0	6,015.2	0.0	-0.1	0.1	12.00	608,719.89	706,166.93
9,675.0	4.22	273.83	9,675.0	6,040.2	0.1	-1.3	1.3	12.00	608,719.97	706,165.75
9,700.0	7.22	273.83	9,699.8	6,065.0	0.3	-3.8	3.8	12.00	608,720.13	706,163.26
9,725.0	10.22	273.83	9,724.5	6,089.7	0.5	-7.6	7.6	12.00	608,720.39	706,159.48
9,750.0	13.22	273.83	9,749.0	6,114.2	0.8	-12.6	12.7	12.00	608,720.73	706,154.41
9,775.0	16.22	273.83	9,773.2	6,138.4	1.3	-19.0	19.0	12.00	608,721.15	706,148.07
9,800.0	19.22	273.83	9,797.0	6,162.2	1.8	-26.6	26.6	12.00	608,721.66	706,140.48
9,825.0	22.22	273.83	9,820.4	6,185.6	2.4	-35.4	35.5	12.00	608,722.25	706,131.65
9,850.0	25.22	273.83	9,843.3	6,208.5	3.0	-45.4	45.5	12.00	608,722.92	706,121.61
9,875.0	28.22	273.83	9,865.6	6,230.8	3.8	-56.6	56.8	12.00	608,723.68	706,110.40



A Schlumberger Company

Pathfinder Pathfinder X&Y Report



Company: Devon Energy, Inc.
Project: Lea County (NAD83)
Site: Taylor Draw 7 Fed
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
MD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
9,900.0	31.22	273.83	9,887.3	6,252.5	4.6	-69.0	69.2	12.00	608,724.50	706,098.03
9,925.0	34.22	273.83	9,908.3	6,273.5	5.5	-82.5	82.7	12.00	608,725.41	706,084.55
9,950.0	37.22	273.83	9,928.6	6,293.8	6.5	-97.1	97.3	12.00	608,726.38	706,069.99
9,975.0	40.22	273.83	9,948.1	6,313.3	7.5	-112.7	112.9	12.00	608,727.43	706,054.38
10,000.0	43.22	273.83	9,966.8	6,332.0	8.7	-129.3	129.5	12.00	608,728.54	706,037.78
10,025.0	46.22	273.83	9,984.6	6,349.8	9.8	-146.8	147.1	12.00	608,729.72	706,020.23
10,050.0	49.22	273.83	10,001.4	6,366.6	11.1	-165.3	165.6	12.00	608,730.95	706,001.78
10,075.0	52.22	273.83	10,017.2	6,382.4	12.4	-184.6	185.0	12.00	608,732.25	705,982.47
10,100.0	55.22	273.83	10,032.0	6,397.2	13.7	-204.7	205.1	12.00	608,733.59	705,962.37
10,125.0	58.22	273.83	10,045.7	6,410.9	15.1	-225.5	226.0	12.00	608,734.99	705,941.51
10,150.0	61.22	273.83	10,058.3	6,423.5	16.6	-247.1	247.6	12.00	608,736.43	705,919.97
10,175.0	64.22	273.83	10,069.8	6,435.0	18.0	-269.2	269.8	12.00	608,737.92	705,897.81
10,200.0	67.22	273.83	10,080.0	6,445.2	19.6	-292.0	292.6	12.00	608,739.44	705,875.07
10,225.0	70.22	273.83	10,089.1	6,454.3	21.1	-315.2	315.9	12.00	608,741.00	705,851.83
10,250.0	73.22	273.83	10,096.9	6,462.1	22.7	-338.9	339.7	12.00	608,742.59	705,828.15
10,275.0	76.22	273.83	10,103.5	6,468.7	24.3	-363.0	363.8	12.00	608,744.20	705,804.09
10,300.0	79.22	273.83	10,108.8	6,474.0	26.0	-387.3	388.2	12.00	608,745.83	705,779.72
10,325.0	82.22	273.83	10,112.9	6,478.1	27.6	-411.9	412.9	12.00	608,747.48	705,755.10
10,350.0	85.22	273.83	10,115.6	6,480.8	29.3	-436.7	437.7	12.00	608,749.14	705,730.31
10,375.0	88.22	273.83	10,117.0	6,482.2	30.9	-461.6	462.7	12.00	608,750.81	705,705.41
10,400.0	91.22	273.83	10,117.2	6,482.4	32.6	-486.6	487.7	12.00	608,752.48	705,680.47
10,404.4	91.76	273.83	10,117.0	6,482.2	32.9	-491.0	492.1	12.00	608,752.78	705,676.04
10,500.0	91.76	273.83	10,114.1	6,479.3	39.3	-586.3	587.6	0.00	608,759.16	705,580.74
10,600.0	91.76	273.83	10,111.0	6,476.2	46.0	-686.0	687.6	0.00	608,765.84	705,481.01
10,700.0	91.76	273.83	10,108.0	6,473.2	52.6	-785.8	787.5	0.00	608,772.53	705,381.28
10,800.0	91.76	273.83	10,104.9	6,470.1	59.3	-885.5	887.5	0.00	608,779.21	705,281.55
10,900.0	91.76	273.83	10,101.8	6,467.0	66.0	-985.2	987.4	0.00	608,785.89	705,181.82



A Schlumberger Company

Pathfinder Pathfinder X&Y Report



Company: Devon Energy, Inc.
Project: Lea County (NAD83)
Site: Taylor Draw 7 Fed
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
MD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
11,000.0	91.76	273.83	10,098.8	6,464.0	72.7	-1,085.0	1,087.4	0.00	608,792.57	705,082.09
11,100.0	91.76	273.83	10,095.7	6,460.9	79.4	-1,184.7	1,187.3	0.00	608,799.25	704,982.36
11,200.0	91.76	273.83	10,092.6	6,457.8	86.1	-1,284.4	1,287.3	0.00	608,805.94	704,882.63
11,300.0	91.76	273.83	10,089.6	6,454.8	92.7	-1,384.1	1,387.2	0.00	608,812.62	704,782.90
11,400.0	91.76	273.83	10,086.5	6,451.7	99.4	-1,483.9	1,487.2	0.00	608,819.30	704,683.17
11,500.0	91.76	273.83	10,083.5	6,448.7	106.1	-1,583.6	1,587.1	0.00	608,825.98	704,583.44
11,600.0	91.76	273.83	10,080.4	6,445.6	112.8	-1,683.3	1,687.1	0.00	608,832.66	704,483.71
11,700.0	91.76	273.83	10,077.3	6,442.5	119.5	-1,783.1	1,787.1	0.00	608,839.35	704,383.98
11,800.0	91.76	273.83	10,074.3	6,439.5	126.1	-1,882.8	1,887.0	0.00	608,846.03	704,284.25
11,900.0	91.76	273.83	10,071.2	6,436.4	132.8	-1,982.5	1,987.0	0.00	608,852.71	704,184.53
12,000.0	91.76	273.83	10,068.1	6,433.3	139.5	-2,082.2	2,086.9	0.00	608,859.39	704,084.80
12,100.0	91.76	273.83	10,065.1	6,430.3	146.2	-2,182.0	2,186.9	0.00	608,866.07	703,985.07
12,200.0	91.76	273.83	10,062.0	6,427.2	152.9	-2,281.7	2,286.8	0.00	608,872.76	703,885.34
12,300.0	91.76	273.83	10,058.9	6,424.1	159.6	-2,381.4	2,386.8	0.00	608,879.44	703,785.61
12,311.6	91.76	273.83	10,058.6	6,423.8	160.3	-2,393.0	2,398.4	0.00	608,880.21	703,774.03
Taylor Draw TGT Box										
12,400.0	91.76	273.83	10,055.9	6,421.1	166.2	-2,481.2	2,486.7	0.00	608,886.12	703,685.88
12,500.0	91.76	273.83	10,052.8	6,418.0	172.9	-2,580.9	2,586.7	0.00	608,892.80	703,586.15
12,600.0	91.76	273.83	10,049.7	6,414.9	179.6	-2,680.6	2,686.6	0.00	608,899.48	703,486.42
12,700.0	91.76	273.83	10,046.7	6,411.9	186.3	-2,780.3	2,786.6	0.00	608,906.17	703,386.69
12,800.0	91.76	273.83	10,043.6	6,408.8	193.0	-2,880.1	2,886.5	0.00	608,912.85	703,286.96
12,900.0	91.76	273.83	10,040.5	6,405.7	199.7	-2,979.8	2,986.5	0.00	608,919.53	703,187.23
13,000.0	91.76	273.83	10,037.5	6,402.7	206.3	-3,079.5	3,086.4	0.00	608,926.21	703,087.50
13,100.0	91.76	273.83	10,034.4	6,399.6	213.0	-3,179.3	3,186.4	0.00	608,932.89	702,987.77
13,200.0	91.76	273.83	10,031.3	6,396.5	219.7	-3,279.0	3,286.3	0.00	608,939.58	702,888.04
13,300.0	91.76	273.83	10,028.3	6,393.5	226.4	-3,378.7	3,386.3	0.00	608,946.26	702,788.31
13,400.0	91.76	273.83	10,025.2	6,390.4	233.1	-3,478.5	3,486.3	0.00	608,952.94	702,688.58



A Schlumberger Company

Pathfinder
Pathfinder X&Y Report



Company: Devon Energy, Inc.
Project: Lea County (NAD83)
Site: Taylor Draw 7 Fed
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
MD Reference: KB = 18' @ 3634.8usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

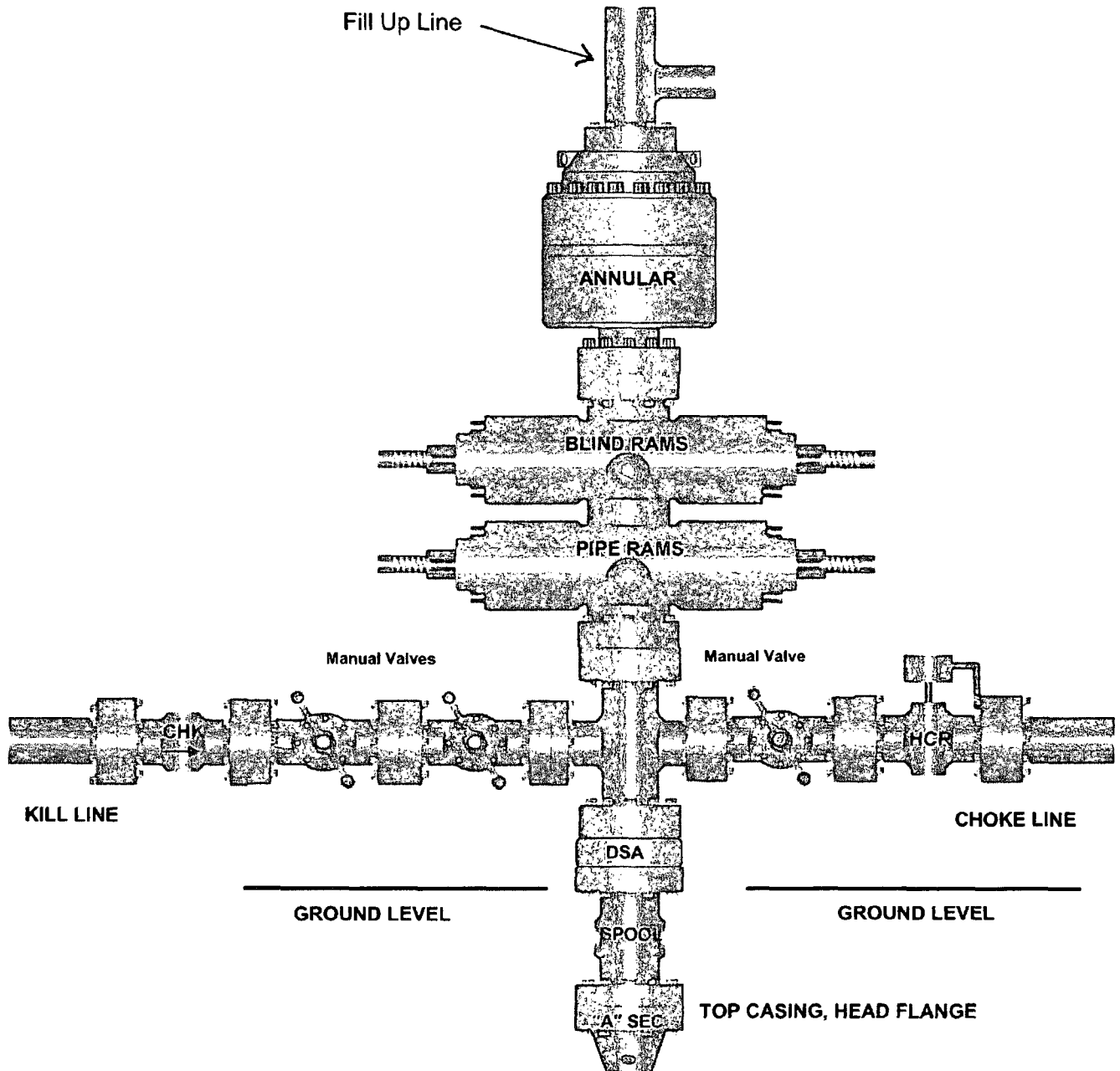
Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V..Sec (usft)	DLeg (%/100usft)	Northing (usft)	Easting (usft)
13,500.0	91.76	273.83	10,022.1	6,387.3	239.7	-3,578.2	3,586.2	0.00	608,959.62	702,588.86
13,600.0	91.76	273.83	10,019.1	6,384.3	246.4	-3,677.9	3,686.2	0.00	608,966.30	702,489.13
13,700.0	91.76	273.83	10,016.0	6,381.2	253.1	-3,777.6	3,786.1	0.00	608,972.99	702,389.40
13,800.0	91.76	273.83	10,012.9	6,378.1	259.8	-3,877.4	3,886.1	0.00	608,979.67	702,289.67
13,900.0	91.76	273.83	10,009.9	6,375.1	266.5	-3,977.1	3,986.0	0.00	608,986.35	702,189.94
14,000.0	91.76	273.83	10,006.8	6,372.0	273.2	-4,076.8	4,086.0	0.00	608,993.03	702,090.21
14,100.0	91.76	273.83	10,003.7	6,368.9	279.8	-4,176.6	4,185.9	0.00	608,999.71	701,990.48
14,200.0	91.76	273.83	10,000.7	6,365.9	286.5	-4,276.3	4,285.9	0.00	609,006.40	701,890.75
14,300.0	91.76	273.83	9,997.6	6,362.8	293.2	-4,376.0	4,385.8	0.00	609,013.08	701,791.02
14,400.0	91.76	273.83	9,994.5	6,359.7	299.9	-4,475.7	4,485.8	0.00	609,019.76	701,691.29
14,500.0	91.76	273.83	9,991.5	6,356.7	306.6	-4,575.5	4,585.7	0.00	609,026.44	701,591.56
14,600.0	91.76	273.83	9,988.4	6,353.6	313.2	-4,675.2	4,685.7	0.00	609,033.12	701,491.83
14,700.0	91.76	273.83	9,985.3	6,350.5	319.9	-4,774.9	4,785.6	0.00	609,039.81	701,392.10
14,711.0	91.76	273.83	9,985.0	6,350.2	320.7	-4,785.9	4,796.6	0.00	609,040.54	701,381.15

Taylor Draw 7 Fed #1H PBHL

Checked By: _____ Approved By: _____ Date: _____

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



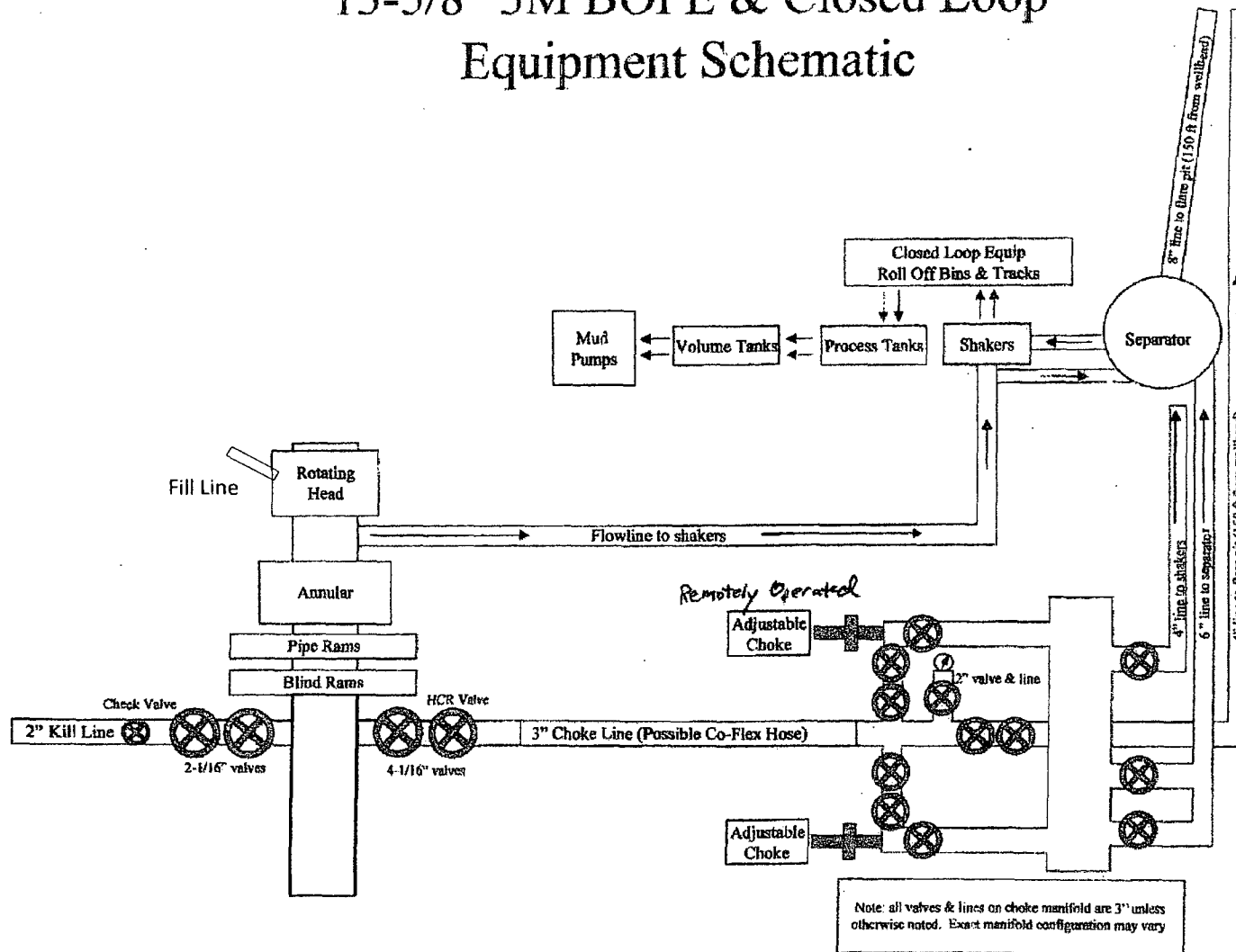
NOTES REGARDING BLOWOUT PREVENTERS

Devon Energy Production Company, LP
Taylor Draw 7 Fed 1H

Surface Location: 1650 FSL & 200 FEL, Unit I, Sec 7 T19S R32E, Lea, NM
Bottom Hole Location: 1980 FSL & 330 FWL, Unit L, Sec 7 T19S R32E, 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" 3M BOPE & Closed Loop Equipment Schematic





Fluid Technology

ContiTech Beattie Corp.

Webs: 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 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 provided 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 Brittonmoore Park Drive,
Houston, TX 77041
Phone: +1 (832) 327-0141
Fax: +1 (832) 327-0148
www.contitechbeattie.com



H&P 416

Continental CONTITECH

Fluid Technology

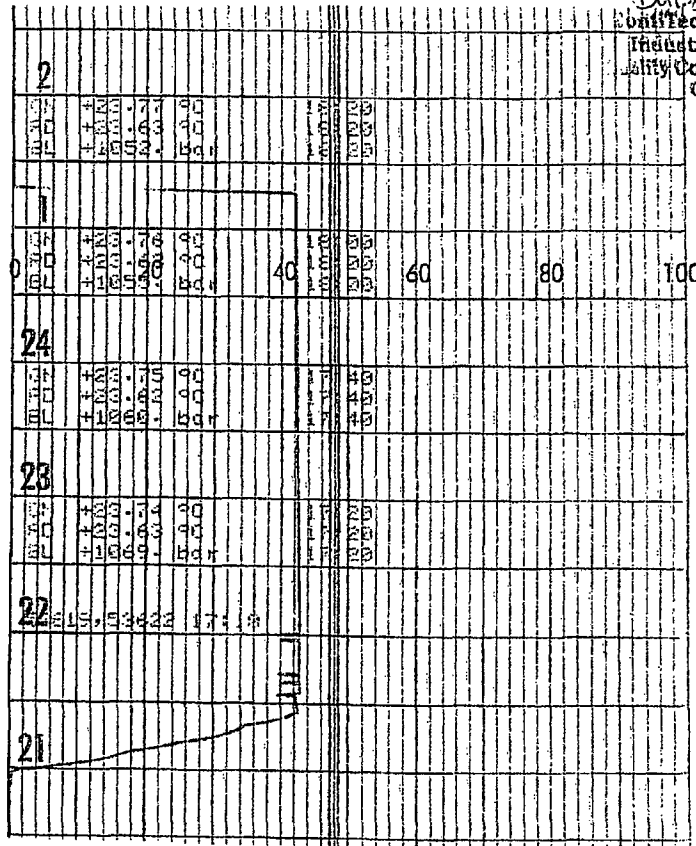
Quality Document

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: 25. August. 2008		Inspector		Quality Control ContiTech Rubber Industrial Kft. Quality Control Dept. (1)	

H&P 416

Page: 1/1

HARTMANN &



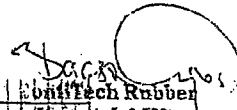

 D. G. M. 2005
 Tech Rubber
 Industrial Kft.
 Quality Control Dept.
 (2)

EXHIBIT D

H&P Flex Rig Location Layout

