

OCD-HOBBS RECEIVED

Form 3160-3
(April 2004)

FEB 08 2011
HOBBSOCD

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007 **EA 11-115**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NMLC-061863-A	
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		8. Lease Name and Well No. <38384> Trionyx 6 Federal 4H	
3b. Phone No. (include area code) 405-228-8699		9. API Well No. 30-025-40044	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SW/4 SE/4 200 FSL & 2360 FEL Unit O At proposed prod. zone NE/4 NW/4 330 FNL & 2325 FWL Unit C		10. Field and Pool, or Exploratory W/idea Bone Spring <97838>	
11. Sec., T. R. M. or Blk. and Survey or Area UNORTHODOX SEC 6 T25S R32E		12. County or Parish Lea County	
13. State NM		14. Distance in miles and direction from nearest town or post office* Approximately 22 miles east of Loving, NM.	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 200'	16. No. of acres in lease 1882.6 Acres	17. Spacing Unit dedicated to this well SW/4 SE/4, E/2 W/2 200 Acres	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. See Attached Map	19. Proposed Depth 13,845' MD 9100' TVD	20. BLM/BIA Bond No. on file CO-1104	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3445' 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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 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). | 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 10/15/2010
Title Regulatory Analyst		

Approved by (Signature) /s/ Don Peterson	Name (Printed/Typed)	Date FEB - 4 2011
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 surface estate which would entitle the Applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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)

NSL-6312

K8 02/10/11

Carlsbad Controlled Water Basin

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

**APPROVAL 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 & Natural Resources Department

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CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 15, 2009

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

FEB 08 2011

HOBBSOCD

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-40044	² Pool Code 97838	³ Pool Name W. Leach BONE SPRING
⁴ Property Code 38384	⁵ Property Name TRIONYX "6" FED.	⁶ Well Number 4H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3445.1

¹⁰ 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	6	25 S	32 E		200	SOUTH	2360	EAST	LEA

¹¹ 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
C	6	25 S	32 E		330	NORTH	2325	WEST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill 4H	¹⁴ Consolidation Code	¹⁵ Order No. NSL-6312
--------------------------------------	-------------------------------------	----------------------------------	-------------------------------------

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.

NW CORNER SEC. 6 LAT. = 32°09'59.79"N LONG. = 103°43'22.69"W NMSP EAST (FT) N = 424822.54 E = 730212.74		TOE TARGET LAT. = 32°09'56.54"N LONG. = 103°42'55.65"W NMSP EAST (FT) N = 424507.75 E = 732539.26		NE CORNER SEC. 6 LAT. = 32°09'59.95"N LONG. = 103°42'21.08"W NMSP EAST (FT) N = 424869.56 E = 735509.64	
SW CORNER SEC. 6 LAT. = 32°09'07.59"N LONG. = 103°43'22.76"W NMSP EAST (FT) N = 419546.45 E = 730236.48		HEAL TARGET LAT. = 32°09'15.49"N LONG. = 103°42'55.88"W NMSP EAST (FT) N = 420358.50 E = 732542.94		SE CORNER SEC. 6 LAT. = 32°09'07.61"N LONG. = 103°42'20.85"W NMSP EAST (FT) N = 419578.91 E = 735560.23	
TRIONYX "6" FED. #4H ELEV. = 3445.1 LAT. = 32°09'09.560"N (NAD83) LONG. = 103°42'48.305"W NMSP EAST (FT) N = 419762.49 E = 733198.02					
TOE TARGET LAT. = 32°09'56.54"N LONG. = 103°42'55.65"W NMSP EAST (FT) N = 424507.75 E = 732539.26					
HEAL TARGET LAT. = 32°09'15.49"N LONG. = 103°42'55.88"W NMSP EAST (FT) N = 420358.50 E = 732542.94					

TOE TARGET

330'

2325'

2310'

800'

200'

2360'

SURFACE LOCATION

¹⁷ 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: *Judy A. Barnett* Date: 10/05/10

Printed Name: Judy A. Barnett Regulatory Analyst

¹⁸ 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.

AUGUST 19, 2010

Date of Survey

Signature and Seal of Professional Surveyor: *FILMON G. JARAMILA*

Certificate Number: FILMON G. JARAMILA PLS 12797

NEW MEXICO SURVEY NO. 192

DRILLING PROGRAM

Devon Energy Production Company, LP

Trionyx 6 Federal 4H

Surface Location: 200' FSL & 2360' FEL, Unit O, Sec 6 T25S R32E, Lea, NM

Bottom Hole Location: 330' FNL & 2325' FWL, Unit C, Sec 6 T25S 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. Rustler Dol	676'	
b. Salado Salt	975'	
c. Castile	2788'	
d. Base of Salt	4163'	
e. Lamar	4386'	
f. Bell Canyon	4404'	
g. Cherry Canyon	5378'	
h. Brushy Canyon	6759'	
i. Avalon/Top of Bone Spring FM	8416'	Oil
Total Depth	13,845'	

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. Fresh water sands will be protected by setting 9 5/8" casing at ~~4375'~~ and circulating cement to surface. The Bone Spring intervals will be isolated by setting 5 1/2" casing to total depth and circulating cement above the base of the 9 5/8" casing.

Casing Program:

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
17 1/2"	0-750' <i>See</i>	13 3/8"	0'-750'	48#	ST&C	H-40
12 1/4"	750-4375' <i>coll</i>	9 5/8"	0'- 4375'	40#	LT&C	J-55
8 3/4"	4375-7500'	5 1/2"	0'-8000'	17#	LT&C	HCP110
8 3/4"	7500-13,845'	5 1/2"	8000-13,845'	17#	BT&C	HCP-110

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" 40#	1.13	1.74	2.97
5 1/2" 17# LTC	2.13	3.03	1.88
5 1/2" 17#BTC	1.85	2.64	5.02

3. Cement Program:

13 3/8" Surface

Lead: 485 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: 250 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: 1200 sx 35:65 Poz (Fly Ash):Cl C + 5% bwow Sodium Chloride + 0.125#/sx CF + 6% bwoc Bentonite + 107.8% FW, 12.5 ppg. **Yld:** 2.04 cf/sx.
TOC @ surface. Tail: 300 sx 60:40 Poz (Fly Ash):Cl C + 5% bwow Sodium Chloride + 0.125#/sx CF + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 64.7% Wtr, 13.8 ppg **Yld:** 1.37 cf/sx.

5 1/2" Production

1st Stage

Lead: 450 sx 35:65 Poz (Fly Ash):Cl H + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 2% bwoc Bentonite + 0.6% bwoc Sodium Metasilicate + 0.5% bwoc FL-52A + 102.5% FW, 12.5 ppg. **Yld:** 2.01 cf/sx. **Tail:** 1500 sx 50:50 Poz (Fly Ash):Cl H+ 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125#/sx CF + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 58.3% FW, 14.2 ppg. **Yld:** 1.28 cf/sx.

DV TOOL @ 6,000'.

2nd Stage

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

The above cement volumes could be revised pending the caliper measurement from the open hole logs. The top of cement is designed to reach approximately 500' above the 9 5/8" casing shoe. All casing is new and API approved.

Pressure Control Equipment:

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

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

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

Proposed Mud Circulation System

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc</u>	<u>Fluid Loss</u>	<u>Type System</u>
0' - 750'	8.4-9.0	30-34	NC	FW
750' - 4375' ⁴⁴⁵⁵	9.8-10.0	28-32	NC	Brine
4375' - 13,861'	8.6-9.0	28-32	NC	FW

^{See GSA} The necessary mud products for weight addition and fluid loss control will be on location at all times.

4. **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.
5. **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.
6. **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 3350 psi and Estimated BHT 140°. No H₂S is anticipated to be encountered.
7. **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.



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Drilling Services

Proposal



TRIONYX 6 FED #4H

LEA COUNTY, NM

WELL FILE: **PLAN 1**

SEPTEMBER 30, 2010

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

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www.weatherford.com

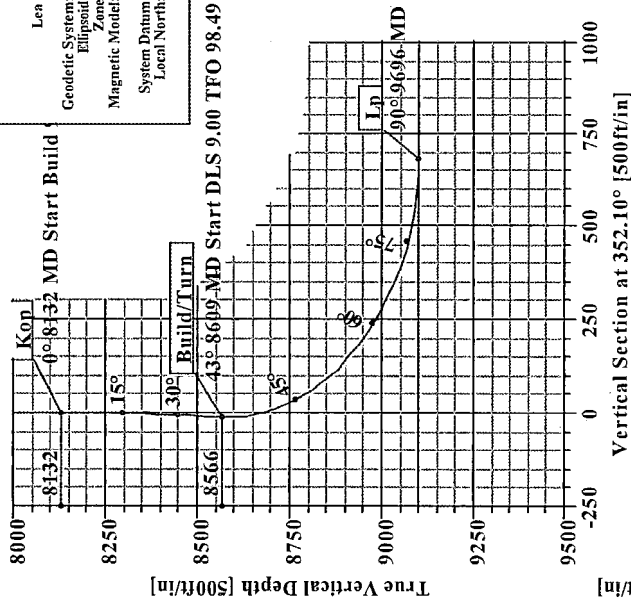


devon

Trionyx 6 Fed #4H

Lea County, New Mexico

KB ELEV: 3470
GL ELEV: 3445



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	8131.83	0.00	0.00	8131.83	0.00	0.00	0.00	0.00	0.00	
3	8609.00	42.95	258.42	8565.56	-34.25	-167.14	9.00	258.42	-10.94	Heal Tgt
4	9695.95	90.00	359.95	9100.00	596.01	-655.08	9.00	98.49	680.43	Pbhl
5	13845.20	90.00	359.95	9100.00	4745.26	-658.76	0.00	0.00	4790.77	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Trionyx 6 Fed #4H	0.00	0.00	419762.49	733198.02	32°09'08.945N	103°42'48.191W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl	9100.00	4745.26	-658.76	424507.75	732539.26	Point
Heal Tgt	9100.00	596.01	-655.08	420358.50	732542.94	Point

FIELD DETAILS

Lea County, New Mexico (NAD 83)
Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: CRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

Trionyx 6 Fed #4H
Site Centre Northing: 419762.49
Easting: 733198.02
Ground Level: 3445.00
Positional Uncertainty: 0.00
Convergence: 0.33

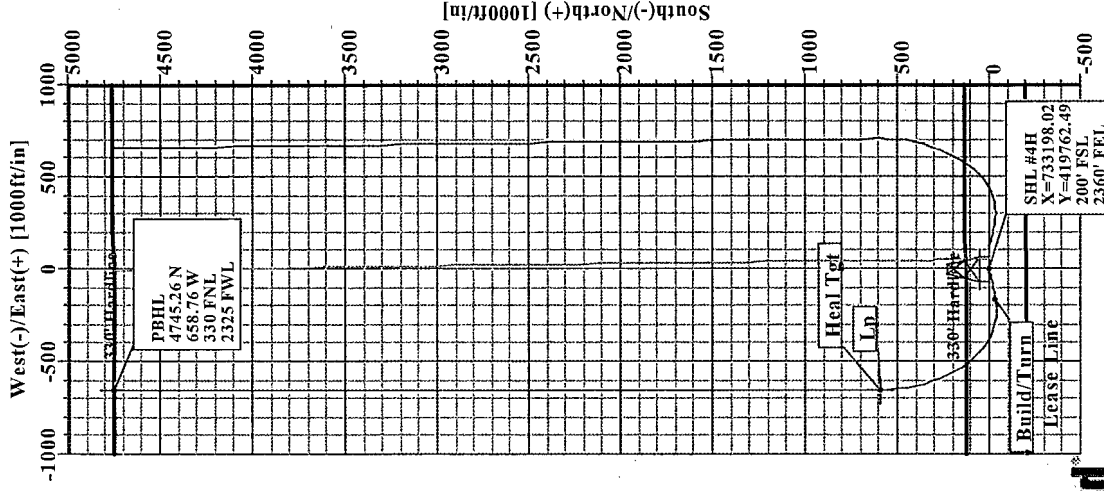
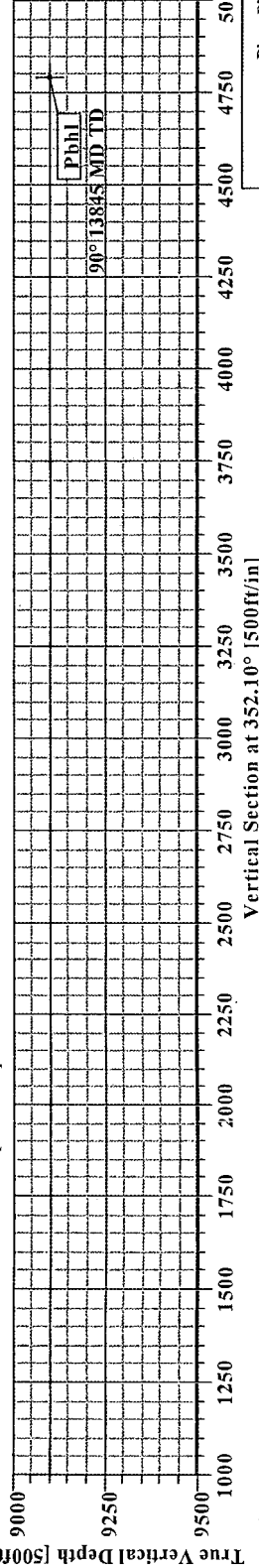
LEGEND

Trionyx 6 Fed #5H (1)
Trionyx 6 Fed #6H (1)
Plan #1

Azimuths to Grid North
True North: -0.33°
Magnetic North: 7.32°
Magnetic Field
Strength: 4884nT
Dip Angle: 60.10°
Date: 06/01/2010
Model: IGRF2010
Total Correction to Grid North: 7.32°



Weatherford



Plan: Plan #1 (Trionyx 6 Fed #4H/1)

Created By: Russell W. Joyner

Date: 9/30/2010



Company: Devon Energy	Date: 9/30/2010	Time: 09:23:50	Page: 1
Field: Lea County, New Mexico (NAD 83)	Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #4H, Grid North		
Site: Trionyx 6 Fed #4H	Vertical (TVD) Reference: SITE 3470.0		
Well: Trionyx 6 Fed #4H	Section (VS) Reference: Well (0.00N,0.00E,352.10Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #1	Date Composed: 9/30/2010
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: Lea County, New Mexico (NAD 83)

Map System: US State Plane Coordinate System 1983	Map Zone: New Mexico, Eastern Zone
Geo Datum: GRS 1980	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: Trionyx 6 Fed #4H

Site Position:	Northing: 419762.49 ft	Latitude: 32 9 8.945 N
From: Map	Easting: 733198.02 ft	Longitude: 103 42 48.191 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3445.00 ft		Grid Convergence: 0.33 deg

Well: Trionyx 6 Fed #4H	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 419762.49 ft
+E/-W 0.00 ft	Easting: 733198.02 ft
Position Uncertainty: 0.00 ft	
	Latitude: 32 9 8.945 N
	Longitude: 103 42 48.191 W

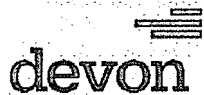
Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 6/10/2011	Above System Datum: Mean Sea Level
Field Strength: 48584 nT	Declination: 7.65 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.10 deg
ft	+N/-S
	+E/-W
	Direction
	deg
9100.00	0.00
	0.00
	352.10

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8131.83	0.00	0.00	8131.83	0.00	0.00	0.00	0.00	0.00	0.00	
8609.00	42.95	258.42	8565.56	-34.25	-167.14	9.00	9.00	0.00	258.42	
9695.95	90.00	359.95	9100.00	596.01	-655.08	9.00	4.33	9.34	98.49	Heal Tgt
13845.20	90.00	359.95	9100.00	4745.26	-658.76	0.00	0.00	0.00	0.00	Pbhl

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
8100.00	0.00	0.00	8100.00	0.00	0.00	0.00	0.00	419762.49	733198.02	
8131.83	0.00	0.00	8131.83	0.00	0.00	0.00	0.00	419762.49	733198.02	Kop
8200.00	6.14	258.42	8199.87	-0.73	-3.57	-0.23	9.00	419761.76	733194.45	
8300.00	15.14	258.42	8298.05	-4.43	-21.63	-1.42	9.00	419758.06	733176.39	
8400.00	24.14	258.42	8392.14	-11.17	-54.52	-3.57	9.00	419751.32	733143.50	
8500.00	33.14	258.42	8479.82	-20.78	-101.42	-6.64	9.00	419741.71	733096.60	
8600.00	42.14	258.42	8558.93	-33.03	-161.18	-10.55	9.00	419729.46	733036.84	
8609.00	42.95	258.42	8565.56	-34.25	-167.14	-10.94	9.00	419728.24	733030.88	Build/Turn
8700.00	42.36	270.49	8632.60	-40.22	-228.27	-8.45	9.00	419722.27	732969.75	
8800.00	43.19	283.70	8706.15	-31.81	-295.35	9.11	9.00	419730.68	732902.67	
8900.00	45.47	296.18	8777.81	-7.93	-360.72	41.75	9.00	419754.56	732837.30	
9000.00	48.99	307.48	8845.82	30.83	-422.78	88.68	9.00	419793.32	732775.24	
9100.00	53.49	317.49	8908.51	83.52	-480.00	148.73	9.00	419846.01	732718.02	
9200.00	58.73	326.31	8964.33	148.83	-530.96	220.43	9.00	419911.32	732667.06	
9300.00	64.50	334.17	9011.91	225.17	-574.42	302.02	9.00	419987.66	732623.60	
9400.00	70.65	341.28	9050.08	310.64	-609.30	391.48	9.00	420073.13	732588.72	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Site: Trionyx 6 Fed #4H
Well: Trionyx 6 Fed #4H
Wellpath: 1

Date: 9/30/2010 Time: 09:23:50 Page: 2
Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #4H, Grid North
Vertical (TVD) Reference: SITE 3470.0
Section (VS) Reference: Well (0.00N,0.00E,352.10Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
9500.00	77.06	347.86	9077.89	403.16	-634.75	486.61	9.00	420165.65	732563.27	
9600.00	83.63	354.11	9094.67	500.43	-650.13	585.07	9.00	420262.92	732547.89	
9695.95	90.00	359.95	9100.00	596.01	-655.08	680.43	9.00	420358.50	732542.94	Heal Tgt
9700.00	90.00	359.95	9100.00	600.06	-655.08	684.44	0.00	420362.55	732542.94	
9800.00	90.00	359.95	9100.00	700.06	-655.17	783.50	0.00	420462.55	732542.85	
9900.00	90.00	359.95	9100.00	800.06	-655.26	882.56	0.00	420562.55	732542.76	
10000.00	90.00	359.95	9100.00	900.06	-655.35	981.62	0.00	420662.55	732542.67	
10100.00	90.00	359.95	9100.00	1000.06	-655.44	1080.69	0.00	420762.55	732542.58	
10200.00	90.00	359.95	9100.00	1100.06	-655.53	1179.75	0.00	420862.55	732542.49	
10300.00	90.00	359.95	9100.00	1200.06	-655.62	1278.81	0.00	420962.55	732542.40	
10400.00	90.00	359.95	9100.00	1300.06	-655.71	1377.87	0.00	421062.55	732542.31	
10500.00	90.00	359.95	9100.00	1400.06	-655.80	1476.93	0.00	421162.55	732542.22	
10600.00	90.00	359.95	9100.00	1500.06	-655.88	1576.00	0.00	421262.55	732542.14	
10700.00	90.00	359.95	9100.00	1600.06	-655.97	1675.06	0.00	421362.55	732542.05	
10800.00	90.00	359.95	9100.00	1700.06	-656.06	1774.12	0.00	421462.55	732541.96	
10900.00	90.00	359.95	9100.00	1800.06	-656.15	1873.18	0.00	421562.55	732541.87	
11000.00	90.00	359.95	9100.00	1900.06	-656.24	1972.25	0.00	421662.55	732541.78	
11100.00	90.00	359.95	9100.01	2000.06	-656.33	2071.31	0.00	421762.55	732541.69	
11200.00	90.00	359.95	9100.01	2100.06	-656.42	2170.37	0.00	421862.55	732541.60	
11300.00	90.00	359.95	9100.01	2200.06	-656.51	2269.43	0.00	421962.55	732541.51	
11400.00	90.00	359.95	9100.01	2300.06	-656.60	2368.50	0.00	422062.55	732541.42	
11500.00	90.00	359.95	9100.01	2400.06	-656.69	2467.56	0.00	422162.55	732541.33	
11600.00	90.00	359.95	9100.01	2500.06	-656.77	2566.62	0.00	422262.55	732541.25	
11700.00	90.00	359.95	9100.01	2600.06	-656.86	2665.68	0.00	422362.55	732541.16	
11800.00	90.00	359.95	9100.01	2700.06	-656.95	2764.74	0.00	422462.55	732541.07	
11900.00	90.00	359.95	9100.01	2800.06	-657.04	2863.81	0.00	422562.55	732540.98	
12000.00	90.00	359.95	9100.01	2900.06	-657.13	2962.87	0.00	422662.55	732540.89	
12100.00	90.00	359.95	9100.01	3000.06	-657.22	3061.93	0.00	422762.55	732540.80	
12200.00	90.00	359.95	9100.01	3100.06	-657.31	3160.99	0.00	422862.55	732540.71	
12300.00	90.00	359.95	9100.01	3200.06	-657.40	3260.06	0.00	422962.55	732540.62	
12400.00	90.00	359.95	9100.01	3300.06	-657.49	3359.12	0.00	423062.55	732540.53	
12500.00	90.00	359.95	9100.01	3400.06	-657.58	3458.18	0.00	423162.55	732540.44	
12600.00	90.00	359.95	9100.01	3500.06	-657.66	3557.24	0.00	423262.55	732540.36	
12700.00	90.00	359.95	9100.01	3600.06	-657.75	3656.30	0.00	423362.55	732540.27	
12800.00	90.00	359.95	9100.01	3700.06	-657.84	3755.37	0.00	423462.55	732540.18	
12900.00	90.00	359.95	9100.01	3800.06	-657.93	3854.43	0.00	423562.55	732540.09	
13000.00	90.00	359.95	9100.01	3900.06	-658.02	3953.49	0.00	423662.55	732540.00	
13100.00	90.00	359.95	9100.01	4000.06	-658.11	4052.55	0.00	423762.55	732539.91	
13200.00	90.00	359.95	9100.01	4100.06	-658.20	4151.62	0.00	423862.55	732539.82	
13300.00	90.00	359.95	9100.01	4200.06	-658.29	4250.68	0.00	423962.55	732539.73	
13400.00	90.00	359.95	9100.01	4300.06	-658.38	4349.74	0.00	424062.55	732539.64	
13500.00	90.00	359.95	9100.01	4400.06	-658.47	4448.80	0.00	424162.55	732539.55	
13600.00	90.00	359.95	9100.01	4500.06	-658.56	4547.87	0.00	424262.55	732539.46	
13700.00	90.00	359.95	9100.02	4600.06	-658.64	4646.93	0.00	424362.55	732539.38	
13800.00	90.00	359.95	9100.02	4700.06	-658.73	4745.99	0.00	424462.55	732539.29	
13845.20	90.00	359.95	9100.00	4745.26	-658.76	4790.77	0.00	424507.75	732539.26	Pbhl



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy	Date: 9/30/2010	Time: 09:23:50	Page: 3
Field: Lea County, New Mexico (NAD 83)	Co-ordinate(NE) Reference:	Well: Trionyx 6 Fed #4H, Grid North	
Site: Trionyx 6 Fed #4H	Vertical (TVD) Reference:	SITE 3470.0	
Well: Trionyx 6 Fed #4H	Section (VS) Reference:	Well (0.00N,0.00E,352.10Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec			<--- Longitude ---> Deg Min Sec		
Pbhl			9100.00	4745.26	-658.76	424507.75	732539.26	32	9	55.939 N	103	42	55.537 W
Heal Tgt			9100.00	596.01	-655.08	420358.50	732542.94	32	9	14.880 N	103	42	55.771 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
8131.83	8131.83	Kop
8609.00	8565.56	Build/Turn
9695.95	9100.00	Lp
13845.20	9100.02	

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy Date: 9/30/2010 Time: 10:12:18 Page: 1
Field: Lea County, New Mexico (NAD 83)
Reference Site: Trionyx 6 Fed #4H Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #4H, Grid North
Reference Well: Trionyx 6 Fed #4H Vertical (TVD) Reference: SITE 3470.0
Reference Wellpath: 1 Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method: MD Interval: 100.00 ft
Depth Range: 0.00 to 13845.20 ft
Maximum Radius: 10000.00 ft

Reference: Plan: Plan #1
Error Model: ISCWSA Ellipse
Scan Method: Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #1 Date Composed: 9/30/2010
Principal: Yes Version: 1
Tied-to: From Surface

Summary

Site	Offset Wellpath Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
Trionyx 6 Fed #5H	Trionyx 6 Fed #5H	1 V0 Plan: Plan #1 V1	8100.00	8099.00	50.05	13.92	1.39	Level 3

Site: Trionyx 6 Fed #5H
Well: Trionyx 6 Fed #5H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
0.00	0.00	1.00	-1.00	0.00	0.00	89.68	0.28	50.05	50.05	50.05	59381.20	
100.00	100.00	99.00	99.00	0.08	0.08	89.68	0.28	50.05	50.05	49.88	298.40	
200.00	200.00	199.00	199.00	0.31	0.31	89.68	0.28	50.05	50.05	49.43	81.27	
300.00	300.00	299.00	299.00	0.53	0.53	89.68	0.28	50.05	50.05	48.99	46.98	
400.00	400.00	399.00	399.00	0.76	0.76	89.68	0.28	50.05	50.05	48.54	33.04	
500.00	500.00	499.00	499.00	0.98	0.98	89.68	0.28	50.05	50.05	48.09	25.48	
600.00	600.00	599.00	599.00	1.21	1.21	89.68	0.28	50.05	50.05	47.64	20.73	
700.00	700.00	699.00	699.00	1.43	1.43	89.68	0.28	50.05	50.05	47.19	17.48	
800.00	800.00	799.00	799.00	1.66	1.66	89.68	0.28	50.05	50.05	46.74	15.11	
900.00	900.00	899.00	899.00	1.88	1.88	89.68	0.28	50.05	50.05	46.29	13.30	
1000.00	1000.00	999.00	999.00	2.11	2.10	89.68	0.28	50.05	50.05	45.84	11.88	
1100.00	1100.00	1099.00	1099.00	2.33	2.33	89.68	0.28	50.05	50.05	45.39	10.74	
1200.00	1200.00	1199.00	1199.00	2.56	2.55	89.68	0.28	50.05	50.05	44.94	9.79	
1300.00	1300.00	1299.00	1299.00	2.78	2.78	89.68	0.28	50.05	50.05	44.49	9.00	
1400.00	1400.00	1399.00	1399.00	3.01	3.00	89.68	0.28	50.05	50.05	44.04	8.33	
1500.00	1500.00	1499.00	1499.00	3.23	3.23	89.68	0.28	50.05	50.05	43.59	7.75	
1600.00	1600.00	1599.00	1599.00	3.46	3.45	89.68	0.28	50.05	50.05	43.14	7.24	
1700.00	1700.00	1699.00	1699.00	3.68	3.68	89.68	0.28	50.05	50.05	42.69	6.80	
1800.00	1800.00	1799.00	1799.00	3.91	3.90	89.68	0.28	50.05	50.05	42.24	6.41	
1900.00	1900.00	1899.00	1899.00	4.13	4.13	89.68	0.28	50.05	50.05	41.79	6.06	
2000.00	2000.00	1999.00	1999.00	4.35	4.35	89.68	0.28	50.05	50.05	41.34	5.75	
2100.00	2100.00	2099.00	2099.00	4.58	4.58	89.68	0.28	50.05	50.05	40.89	5.47	
2200.00	2200.00	2199.00	2199.00	4.80	4.80	89.68	0.28	50.05	50.05	40.44	5.21	
2300.00	2300.00	2299.00	2299.00	5.03	5.03	89.68	0.28	50.05	50.05	39.99	4.98	
2400.00	2400.00	2399.00	2399.00	5.25	5.25	89.68	0.28	50.05	50.05	39.55	4.76	
2500.00	2500.00	2499.00	2499.00	5.48	5.48	89.68	0.28	50.05	50.05	39.10	4.57	
2600.00	2600.00	2599.00	2599.00	5.70	5.70	89.68	0.28	50.05	50.05	38.65	4.39	
2700.00	2700.00	2699.00	2699.00	5.93	5.93	89.68	0.28	50.05	50.05	38.20	4.22	
2800.00	2800.00	2799.00	2799.00	6.15	6.15	89.68	0.28	50.05	50.05	37.75	4.07	
2900.00	2900.00	2899.00	2899.00	6.38	6.38	89.68	0.28	50.05	50.05	37.30	3.92	
3000.00	3000.00	2999.00	2999.00	6.60	6.60	89.68	0.28	50.05	50.05	36.85	3.79	
3100.00	3100.00	3099.00	3099.00	6.83	6.83	89.68	0.28	50.05	50.05	36.40	3.67	
3200.00	3200.00	3199.00	3199.00	7.05	7.05	89.68	0.28	50.05	50.05	35.95	3.55	
3300.00	3300.00	3299.00	3299.00	7.28	7.27	89.68	0.28	50.05	50.05	35.50	3.44	
3400.00	3400.00	3399.00	3399.00	7.50	7.50	89.68	0.28	50.05	50.05	35.05	3.34	
3500.00	3500.00	3499.00	3499.00	7.73	7.72	89.68	0.28	50.05	50.05	34.60	3.24	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Reference Site: Trionyx 6 Fed #4H
Reference Well: Trionyx 6 Fed #4H
Reference Wellpath: 1

Date: 9/30/2010 Time: 10:12:18 Page: 2
Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #4H, Grid North
Vertical (TVD) Reference: SITE 3470.0
Db: Sybase

Site: Trionyx 6 Fed #5H
Well: Trionyx 6 Fed #5H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
MD ft	TVD ft	MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
3600.00	3600.00	3599.00	3599.00	7.95	7.95	89.68	0.28	50.05	50.05	34.15	3.15	
3700.00	3700.00	3699.00	3699.00	8.18	8.17	89.68	0.28	50.05	50.05	33.70	3.06	
3800.00	3800.00	3799.00	3799.00	8.40	8.40	89.68	0.28	50.05	50.05	33.25	2.98	
3900.00	3900.00	3899.00	3899.00	8.63	8.62	89.68	0.28	50.05	50.05	32.80	2.90	
4000.00	4000.00	3999.00	3999.00	8.85	8.85	89.68	0.28	50.05	50.05	32.35	2.83	
4100.00	4100.00	4099.00	4099.00	9.07	9.07	89.68	0.28	50.05	50.05	31.90	2.76	
4200.00	4200.00	4199.00	4199.00	9.30	9.30	89.68	0.28	50.05	50.05	31.45	2.69	
4300.00	4300.00	4299.00	4299.00	9.52	9.52	89.68	0.28	50.05	50.05	31.00	2.63	
4400.00	4400.00	4399.00	4399.00	9.75	9.75	89.68	0.28	50.05	50.05	30.55	2.57	
4500.00	4500.00	4499.00	4499.00	9.97	9.97	89.68	0.28	50.05	50.05	30.11	2.51	
4600.00	4600.00	4599.00	4599.00	10.20	10.20	89.68	0.28	50.05	50.05	29.66	2.45	
4700.00	4700.00	4699.00	4699.00	10.42	10.42	89.68	0.28	50.05	50.05	29.21	2.40	
4800.00	4800.00	4799.00	4799.00	10.65	10.65	89.68	0.28	50.05	50.05	28.76	2.35	
4900.00	4900.00	4899.00	4899.00	10.87	10.87	89.68	0.28	50.05	50.05	28.31	2.30	
5000.00	5000.00	4999.00	4999.00	11.10	11.10	89.68	0.28	50.05	50.05	27.86	2.26	
5100.00	5100.00	5099.00	5099.00	11.32	11.32	89.68	0.28	50.05	50.05	27.41	2.21	
5200.00	5200.00	5199.00	5199.00	11.55	11.55	89.68	0.28	50.05	50.05	26.96	2.17	
5300.00	5300.00	5299.00	5299.00	11.77	11.77	89.68	0.28	50.05	50.05	26.51	2.13	
5400.00	5400.00	5399.00	5399.00	12.00	11.99	89.68	0.28	50.05	50.05	26.06	2.09	
5500.00	5500.00	5499.00	5499.00	12.22	12.22	89.68	0.28	50.05	50.05	25.61	2.05	
5600.00	5600.00	5599.00	5599.00	12.45	12.44	89.68	0.28	50.05	50.05	25.16	2.01	
5700.00	5700.00	5699.00	5699.00	12.67	12.67	89.68	0.28	50.05	50.05	24.71	1.98	
5800.00	5800.00	5799.00	5799.00	12.90	12.89	89.68	0.28	50.05	50.05	24.26	1.94	
5900.00	5900.00	5899.00	5899.00	13.12	13.12	89.68	0.28	50.05	50.05	23.81	1.91	
6000.00	6000.00	5999.00	5999.00	13.35	13.34	89.68	0.28	50.05	50.05	23.36	1.88	
6100.00	6100.00	6099.00	6099.00	13.57	13.57	89.68	0.28	50.05	50.05	22.91	1.84	
6200.00	6200.00	6199.00	6199.00	13.80	13.79	89.68	0.28	50.05	50.05	22.46	1.81	
6300.00	6300.00	6299.00	6299.00	14.02	14.02	89.68	0.28	50.05	50.05	22.01	1.79	
6400.00	6400.00	6399.00	6399.00	14.24	14.24	89.68	0.28	50.05	50.05	21.56	1.76	
6500.00	6500.00	6499.00	6499.00	14.47	14.47	89.68	0.28	50.05	50.05	21.11	1.73	
6600.00	6600.00	6599.00	6599.00	14.69	14.69	89.68	0.28	50.05	50.05	20.66	1.70	
6700.00	6700.00	6699.00	6699.00	14.92	14.92	89.68	0.28	50.05	50.05	20.22	1.68	
6800.00	6800.00	6799.00	6799.00	15.14	15.14	89.68	0.28	50.05	50.05	19.77	1.65	
6900.00	6900.00	6899.00	6899.00	15.37	15.37	89.68	0.28	50.05	50.05	19.32	1.63	
7000.00	7000.00	6999.00	6999.00	15.59	15.59	89.68	0.28	50.05	50.05	18.87	1.61	
7100.00	7100.00	7099.00	7099.00	15.82	15.82	89.68	0.28	50.05	50.05	18.42	1.58	
7200.00	7200.00	7199.00	7199.00	16.04	16.04	89.68	0.28	50.05	50.05	17.97	1.56	
7300.00	7300.00	7299.00	7299.00	16.27	16.27	89.68	0.28	50.05	50.05	17.52	1.54	
7400.00	7400.00	7399.00	7399.00	16.49	16.49	89.68	0.28	50.05	50.05	17.07	1.52	
7500.00	7500.00	7499.00	7499.00	16.72	16.71	89.68	0.28	50.05	50.05	16.62	1.50	Level 3
7600.00	7600.00	7599.00	7599.00	16.94	16.94	89.68	0.28	50.05	50.05	16.17	1.48	Level 3
7700.00	7700.00	7699.00	7699.00	17.17	17.16	89.68	0.28	50.05	50.05	15.72	1.46	Level 3
7800.00	7800.00	7799.00	7799.00	17.39	17.39	89.68	0.28	50.05	50.05	15.27	1.44	Level 3
7900.00	7900.00	7899.00	7899.00	17.62	17.61	89.68	0.28	50.05	50.05	14.82	1.42	Level 3
8000.00	8000.00	7999.00	7999.00	17.84	17.84	89.68	0.28	50.05	50.05	14.37	1.40	Level 3
8100.00	8100.00	8099.00	8099.00	18.07	18.06	89.68	0.28	50.05	50.05	13.92	1.39	Level 3
8200.00	8199.87	8198.87	8198.87	18.27	18.29	190.56	0.28	50.05	53.63	17.15	1.47	Level 3
8300.00	8298.05	8297.05	8297.05	18.47	18.51	188.10	0.28	50.05	71.84	35.31	1.97	
8400.00	8392.14	8391.14	8391.14	18.69	18.72	185.84	0.28	50.05	105.19	68.94	2.90	
8500.00	8479.82	8478.82	8478.82	18.95	18.92	184.37	0.28	50.05	152.93	117.23	4.28	
8600.00	8558.93	8557.04	8557.04	19.31	19.09	183.46	0.52	50.05	213.87	178.97	6.13	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Reference Site: Trionyx 6 Fed #4H
Reference Well: Trionyx 6 Fed #4H
Reference Wellpath: 1

Date: 9/30/2010

Time: 10:12:18

Page: 3

Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #4H, Grid North
Vertical (TVD) Reference: SITE 3470.0

Db: Sybase

Site: Trionyx 6 Fed #5H
Well: Trionyx 6 Fed #5H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
8700.00	8632.60	8625.61	8625.32	19.77	19.24	166.31	6.38	49.99	282.20	246.81	7.97	
8800.00	8706.15	8694.17	8692.48	20.24	19.39	149.80	19.98	49.85	349.29	312.89	9.60	
8900.00	8777.81	8764.21	8759.03	20.70	19.54	135.59	41.69	49.62	413.71	376.16	11.02	
9000.00	8845.82	8837.06	8825.07	21.12	19.70	123.81	72.33	49.30	474.31	435.55	12.24	
9100.00	8908.51	8913.95	8890.21	21.52	19.89	114.38	113.09	48.88	529.98	490.05	13.27	
9200.00	8964.33	8995.99	8953.34	21.90	20.12	107.10	165.37	48.33	579.62	538.56	14.12	
9300.00	9011.91	9083.97	9012.45	22.27	20.43	101.66	230.43	47.66	622.10	579.98	14.77	
9400.00	9050.08	9178.23	9064.50	22.62	20.84	97.78	308.90	46.84	656.33	613.16	15.21	
9500.00	9077.89	9278.36	9105.61	22.94	21.39	95.22	400.07	45.89	681.25	637.05	15.41	
9600.00	9094.67	9383.04	9131.78	23.23	22.10	93.78	501.28	44.84	696.02	650.74	15.37	
9700.00	9100.00	9489.55	9140.00	23.51	22.93	93.36	607.33	43.74	700.06	653.66	15.09	
9800.00	9100.00	9589.64	9140.00	24.41	23.78	93.36	707.41	42.69	699.10	650.94	14.52	
9900.00	9100.00	9689.72	9140.00	25.41	24.74	93.37	807.49	41.63	698.13	648.02	13.93	
10000.00	9100.00	9789.81	9140.00	26.49	25.79	93.37	907.57	40.55	697.15	644.90	13.34	
10100.00	9100.00	9889.89	9140.00	27.66	26.93	93.38	1007.65	39.47	696.16	641.60	12.76	
10200.00	9100.00	9989.98	9140.00	28.89	28.14	93.38	1107.73	38.37	695.15	638.15	12.20	
10300.00	9100.00	10090.06	9140.00	30.19	29.41	93.39	1207.81	37.25	694.13	634.57	11.65	
10400.00	9100.00	10190.15	9140.00	31.53	30.74	93.39	1307.88	36.13	693.09	630.86	11.14	
10500.00	9100.00	10290.23	9140.00	32.92	32.12	93.40	1407.96	34.99	692.05	627.04	10.65	
10600.00	9100.00	10390.31	9140.00	34.36	33.54	93.40	1508.04	33.84	690.99	623.13	10.18	
10700.00	9100.00	10490.40	9140.00	35.83	35.01	93.41	1608.11	32.67	689.91	619.13	9.75	
10800.00	9100.00	10590.48	9140.00	37.33	36.50	93.41	1708.19	31.50	688.83	615.06	9.34	
10900.00	9100.00	10690.56	9140.00	38.85	38.02	93.42	1808.27	30.31	687.73	610.91	8.95	
11000.00	9100.00	10790.64	9140.00	40.41	39.57	93.42	1908.34	29.10	686.62	606.70	8.59	
11100.00	9100.01	10890.73	9140.00	41.98	41.15	93.43	2008.42	27.89	685.49	602.44	8.25	
11200.00	9100.01	10990.81	9140.00	43.57	42.74	93.43	2108.49	26.66	684.36	598.12	7.94	
11300.00	9100.01	11090.89	9140.00	45.18	44.35	93.44	2208.56	25.42	683.21	593.75	7.64	
11400.00	9100.01	11190.97	9140.00	46.81	45.98	93.45	2308.64	24.16	682.04	589.33	7.36	
11500.00	9100.01	11291.05	9140.00	48.45	47.62	93.45	2408.71	22.89	680.87	584.88	7.09	
11600.00	9100.01	11391.13	9140.00	50.11	49.28	93.46	2508.78	21.61	679.68	580.38	6.84	
11700.00	9100.01	11491.21	9140.00	51.77	50.95	93.46	2608.85	20.32	678.48	575.85	6.61	
11800.00	9100.01	11591.29	9140.00	53.45	52.63	93.47	2708.93	19.01	677.26	571.29	6.39	
11900.00	9100.01	11691.37	9140.00	55.13	54.32	93.48	2809.00	17.69	676.04	566.69	6.18	
12000.00	9100.01	11791.45	9140.00	56.83	56.01	93.48	2909.07	16.36	674.80	562.07	5.99	
12100.00	9100.01	11891.53	9140.00	58.53	57.72	93.49	3009.14	15.02	673.54	557.41	5.80	
12200.00	9100.01	11991.61	9140.00	60.24	59.43	93.50	3109.21	13.66	672.28	552.73	5.62	
12300.00	9100.01	12091.69	9140.00	61.96	61.15	93.50	3209.28	12.29	671.00	548.02	5.46	
12400.00	9100.01	12191.77	9140.00	63.68	62.88	93.51	3309.34	10.90	669.71	543.28	5.30	
12500.00	9100.01	12291.84	9140.00	65.41	64.61	93.52	3409.41	9.51	668.40	538.52	5.15	
12600.00	9100.01	12391.92	9140.00	67.14	66.35	93.52	3509.48	8.10	667.09	533.74	5.00	
12700.00	9100.01	12492.00	9140.00	68.88	68.10	93.53	3609.55	6.67	665.76	528.94	4.87	
12800.00	9100.01	12592.07	9140.00	70.62	69.84	93.54	3709.61	5.24	664.41	524.11	4.74	
12900.00	9100.01	12692.15	9140.00	72.36	71.59	93.54	3809.68	3.79	663.06	519.26	4.61	
13000.00	9100.01	12792.23	9140.00	74.11	73.35	93.55	3909.74	2.33	661.69	514.39	4.49	
13100.00	9100.01	12892.30	9140.00	75.87	75.11	93.56	4009.81	0.85	660.31	509.51	4.38	
13200.00	9100.01	12992.38	9140.00	77.63	76.87	93.57	4109.87	-0.63	658.91	504.60	4.27	
13300.00	9100.01	13092.45	9140.00	79.39	78.64	93.57	4209.94	-2.13	657.51	499.67	4.17	
13400.00	9100.01	13192.53	9140.00	81.15	80.41	93.58	4310.00	-3.65	656.09	494.72	4.07	
13500.00	9100.01	13292.60	9140.00	82.91	82.18	93.59	4410.06	-5.17	654.65	489.76	3.97	
13600.00	9100.01	13392.67	9140.00	84.68	83.95	93.60	4510.12	-6.71	653.21	484.78	3.88	
13700.00	9100.02	13492.75	9140.00	86.45	85.73	93.61	4610.18	-8.26	651.75	479.78	3.79	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

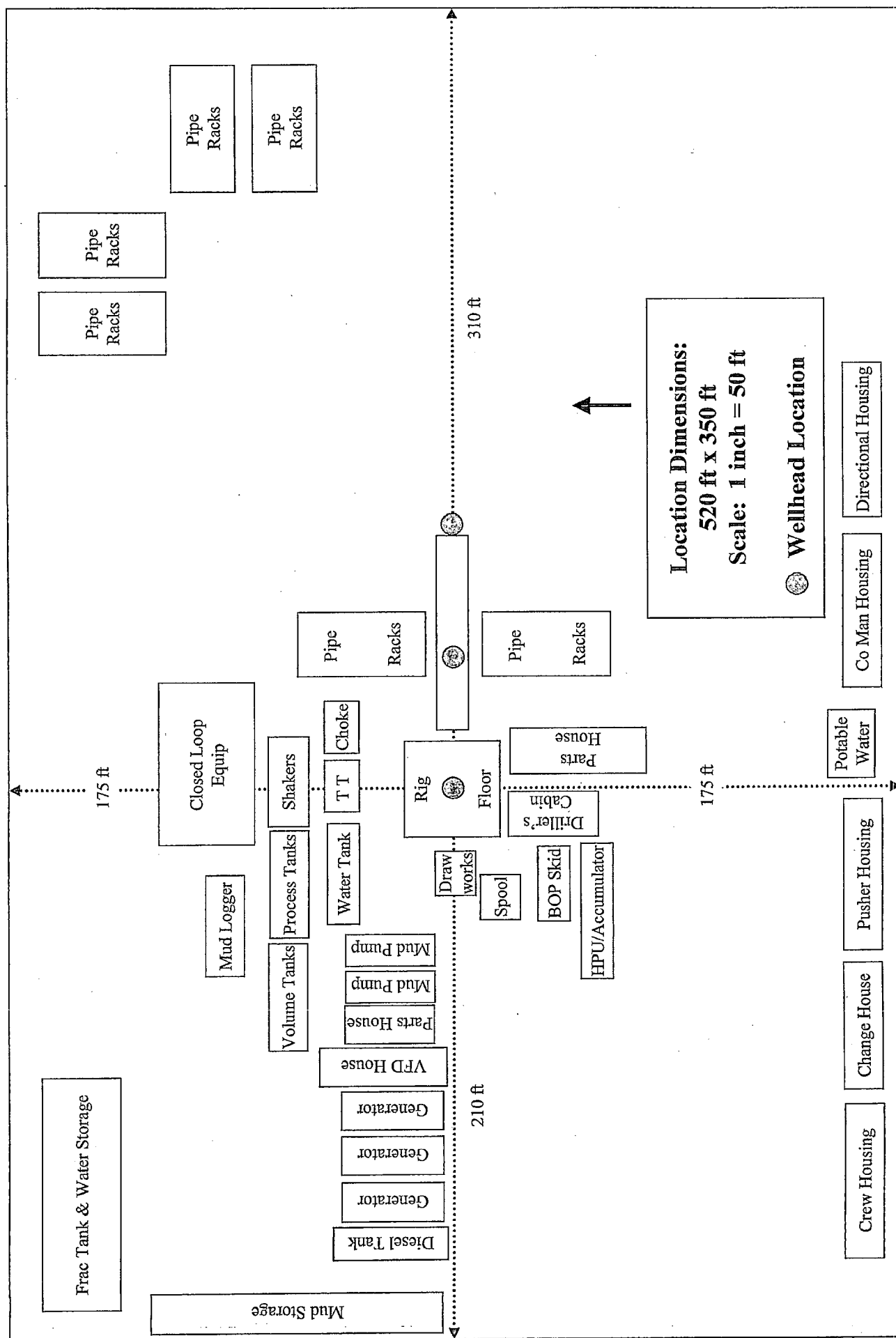
Company: Devon Energy Date: 9/30/2010 Time: 10:12:18 Page: 4
Field: Lea County, New Mexico (NAD 83)
Reference Site: Trionyx 6 Fed #4H Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #4H, Grid North
Reference Well: Trionyx 6 Fed #4H Vertical (TVD) Reference: SITE 3470.0
Reference Wellpath: 1 Db: Sybase

Site: Trionyx 6 Fed #5H
Well: Trionyx 6 Fed #5H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
MD ft	TVD ft	MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft			
13800.00	9100.02	13592.82	9140.00	88.23	87.51	93.61	4710.25	-9.83	650.28	474.76	3.70
13845.20	9100.00	13638.06	9140.00	89.03	88.32	93.62	4755.48	-10.54	649.60	472.48	3.67

3WellPad





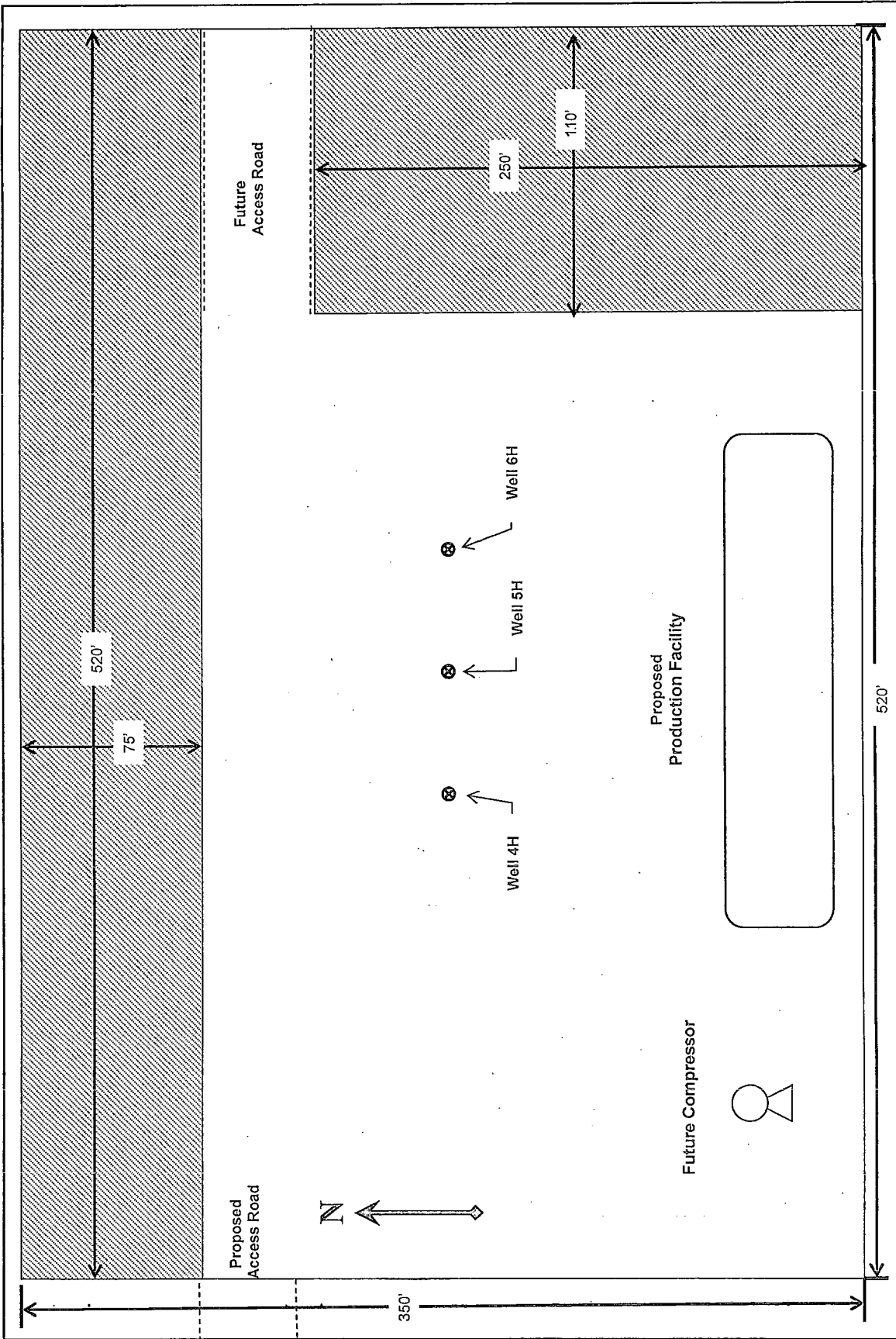
**Proposed Interim
Site Reclamation**

Devon Energy Production Co.
Trionyx 6 Fed 4, 5 and 6
SW/4 SE/4
Sec. 6-T25S-R32E
Eddy County, NM

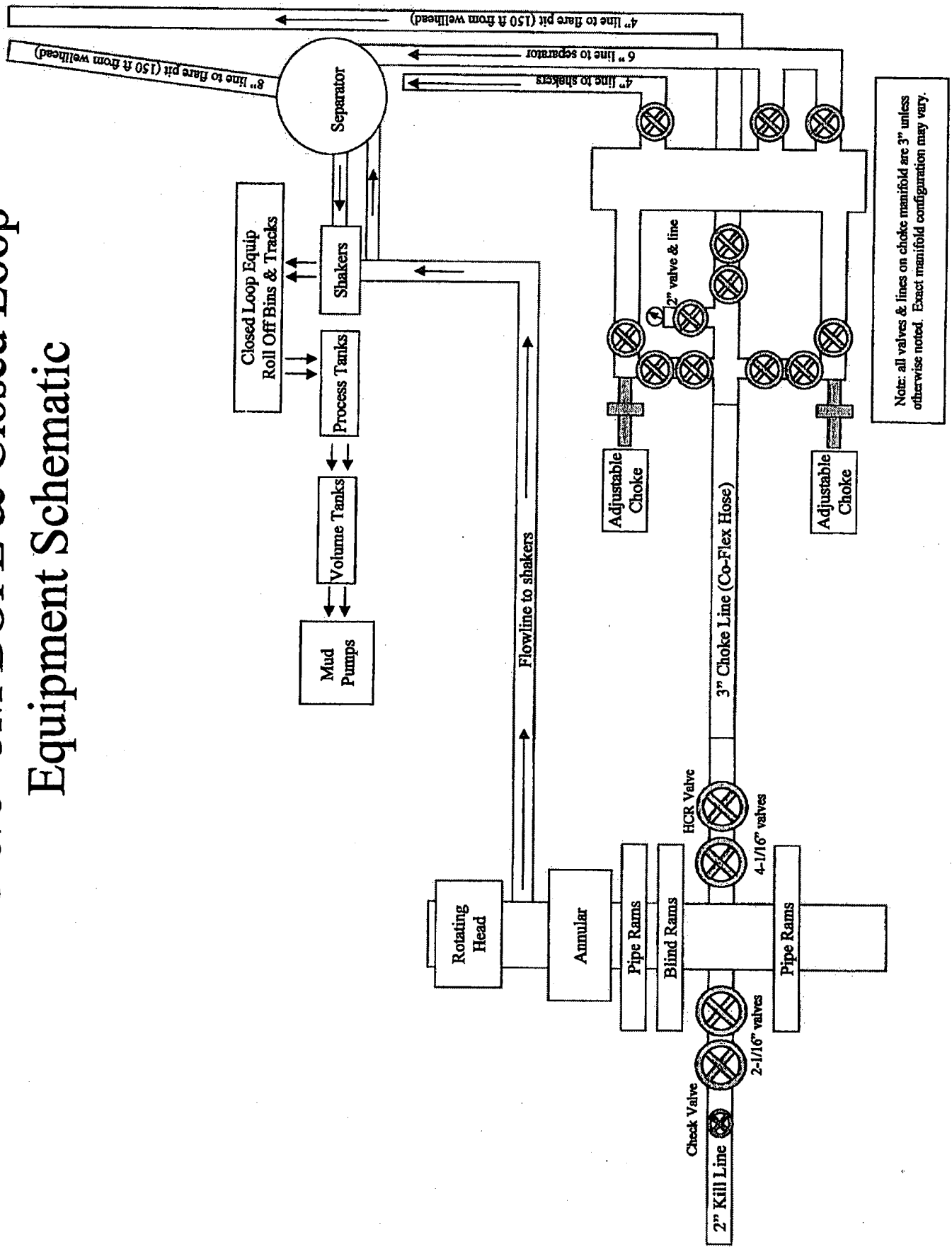


1" = 50'

GM 8/26/10



13-5/8" 3M BOPE & Closed Loop Equipment Schematic





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.

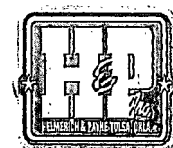
Should you have any questions or require any additional information/clarifications then please do not hesitate to contact us.

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





QUALITY DOCUMENT

**PHOENIX RUBBER
INDUSTRIAL LTD.**

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Phone: (3662) 566-737 • Fax (3662) 566-738

SALES & MARKETING: H-1092 Budapest, Ráday u. 42-44. Hungary • H-1440 Budapest, P. O. Box 26
Phone: (361) 456-4200 • Fax (361) 217-2972, 456-4273 • www.leurusomargaz.hu

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 555	
PURCHASER: Phoenix Beattie Co.				P.O. N°: 1519FA-871	
PHOENIX RUBBER order N°: 170466		HOSE TYPE: 3" ID Choke and Kill Hose			
HOSE SERIAL N°: 34137		NOMINAL/ACTUAL LENGTH: 11,43 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 = 16 MPa					
COUPLINGS					
Type	Serial N°	Quality	Heat N°		
3" coupling with 4 1/16" Flange end	714 715	AISI 4130	C7626		
		AISI 4130	47357		
API Spec 16 C Temperature rate: "B"					
All metal parts are flawless					
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
Date: 30. April. 2002.	Inspector	Quality Control PHOENIX RUBBER Industrial Ltd. Hose Inspection and Test Department			

23	GN	+25.53	QC	12	100
RD	+25.53	QC	12	100	
BL	+16.53	QC	12	100	
Q2	+25.53	QC	12	100	
22	GN	+25.53	QC	12	100
RD	+25.53	QC	12	100	
BL	+16.53	QC	12	100	
Q2	+25.53	QC	12	100	
21	GN	+25.53	QC	12	100
RD	+25.53	QC	12	100	
BL	+16.53	QC	12	100	
Q2	+25.53	QC	12	100	
20	GN	+25.25	QC	12	100
RD	+25.25	QC	12	100	
BL	+16.25	QC	12	100	
Q2	+25.25	QC	12	100	
19	GN	+25.25	QC	12	100
RD	+25.25	QC	12	100	
BL	+16.25	QC	12	100	
Q2	+25.25	QC	12	100	
18	GN	+25.25	QC	12	100
RD	+25.25	QC	12	100	
BL	+16.25	QC	12	100	
Q2	+25.25	QC	12	100	
17	GN	+25.25	QC	12	100
RD	+25.25	QC	12	100	
BL	+16.25	QC	12	100	
Q2	+25.25	QC	12	100	

PHOENIX RUBBER
Industrial Ltd.
Hose Inspection and
Certification Dept.

VERIFIED TRUE COPY
PHOENIX RUBBER CO.

NOTES REGARDING BLOWOUT PREVENTERS

Devon Energy Production Company, LP

Trionyx 6 Federal 6H

Surface Location: 200' FSL & 2260' FEL, Unit O, Sec 6 T25S R32E, Lea, NM

Bottom Hole Location: 330' FNL & 1650' FEL, Unit B, Sec 6 T25S 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" x 3,000 psi BOP Stack

