

ATS-11-49

Form 3160-3
(April 2004)

OCD-HOBES

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HOBES-CD

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		7. If Unit or CA Agreement, Name and No.	
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		8. Lease Name and Well No. <38384> Trionyx 6 Federal 6H	
2. Name of Operator Devon Energy Production Company, LP <6137>		9. API Well No. 30-025-40046	
3a. Address 20 North Broadway Oklahoma City, Oklahoma City 73102-8260		10. Field and Pool, or Exploratory w/ldcat Bone Spring <97838>	
3b. Phone No. (include area code) 405-228-8699		11. Sec., T. R. M. or Blk. and Survey or Area SEC 6 T25S R32E	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SW/4 SE/4 200 FSL & 2260 FEL Unit O At proposed prod. zone NW/4 NE/4 330 FNL & 1650 FeL Unit B UNORTHODOX LOCATION		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 410.68 W/2 E/2 160 Acres		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. See Attached Map	
19. Proposed Depth 13,860' MD 9140' TVD		20. BLM/BIA Bond No. on file CO-1104	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3443' GL		22. Approximate date work will start* 45 days	
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:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Judy A. Barnett</i>	Name (Printed/Typed) Judy A. Barnett	Date 10/15/2010
Title Regulatory Analyst		

Approved by (Signature) <i>O. Loftin</i>	Name (Printed/Typed) Office	Date JAN 31 2011
Title FIELD MANAGER		

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)

NSL-6312

K2 02/10/11

Carlsbad Controlled Water Basin

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

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

District II
1301 W. Grand Avenue, Artesia, NM 88210

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-40046	² Pool Code 97838	³ Pool Name W. Leach	⁴ Property Code 38384	⁵ Property Name TRIONYX "6" FED.	⁶ Well Number 6H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			⁹ Elevation 3443.6	

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	2260	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
B	6	25 S	32 E		330	NORTH	1650	EAST	LEA

¹² Dedicated Acres 160/40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSL-6312
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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°09'56.60"N LONG. = 103°42'40.37"W NMSP EAST (FT) N = 424520.99 E = 733852.54		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		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.	
TRIONYX "6" FED. #6H ELEV. = 3443.6 LAT. = 32°09'09.561"N (NAD83) LONG. = 103°42'47.141"W NMSP EAST (FT) N = 419763.17 E = 733298.08		HEAL TARGET LAT. = 32°09'15.50"N LONG. = 103°42'40.08"W NMSP EAST (FT) N = 420367.37 E = 733901.85		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		Signature: <i>Judy A. Barnett</i> Date: 10/05/10 Printed Name: Judy A. Barnett Regulatory Analyst	
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		SURFACE LOCATION 200' 800' 2260'		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 Certificate Number: 12797 FELIXION F. JARAMILLO, PLS 12797 SURVEY NO. 194	

DRILLING PROGRAM

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. 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	13,860'	

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'	13 3/8"	0'-750'	48#	ST&C	H-40
12 1/4"	750- 4375' ^{See CoA}	9 5/8"	0'- 4375'	40#	LT&C	J-55
8 3/4"	4375-8000'	5 1/2"	0'-8000'	17#	LT&C	HCP110
8 3/4"	8000-13,861'	5 1/2"	8000-13,861'	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' - 13,845'	8.6-9.0	28-32	NC	FW

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. A Kelly cock will be in the drill string at all times.
 - b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
 - c. 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*
- a. Drill stem tests will be based on geological sample shows.
 - b. 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.
 - c. 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 1/2" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows and drill stem tests.
6. **Potential Hazards:**
- a. 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:**
- 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 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.



Weatherford®

Drilling Services

Proposal



devon

TRIONYX 6 FED #6H

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

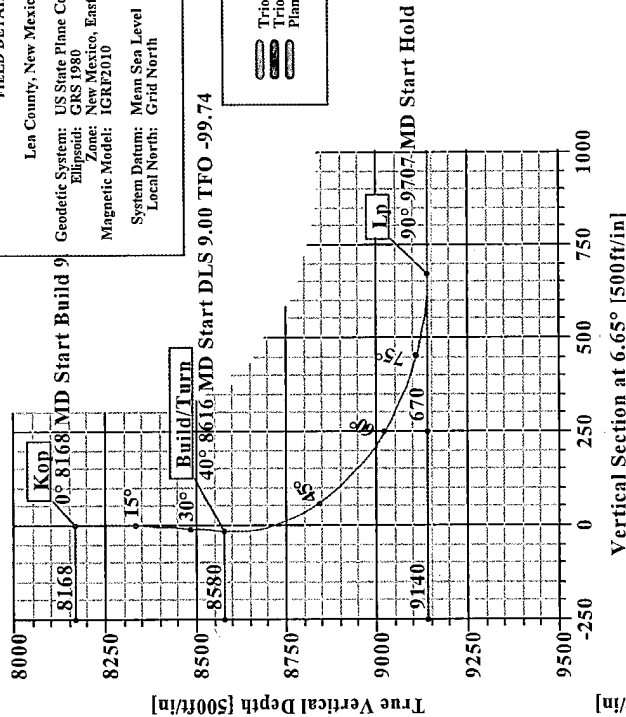
+1.432.561.8895 Fax

www.weatherford.com



Trionyx 6 Fed #6H
Lea County, New Mexico

KR ELEV: 3469
GL ELEV: 3444



True Vertical Depth [500ft/in]

Vertical Section at 6.65° [500ft/in]

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	0.00
2	8168.08	0.00	0.00	8168.08	0.00	0.00	0.00	0.00	0.00	0.00
3	8615.88	40.30	102.00	8579.86	-31.42	147.30	0.00	102.00	-44.00	Heal Tgt
4	9706.60	90.00	359.32	9140.00	604.20	683.77	0.00	-99.74	670.03	Heal Tgt
5	13860.51	90.00	359.32	9140.00	4757.82	554.46	0.00	0.00	4790.02	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Trionyx 6 Fed #6H	0.00	0.00	419763.17	733298.08	32°09'08.946N	103°42'47.027W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Heal Tgt	9140.00	604.20	683.77	420367.37	733901.85	Point
Pbhl	9140.00	4757.82	554.46	424520.99	733852.54	Point

FIELD DETAILS

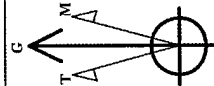
Lea County, New Mexico (NAD 83)
Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

Trionyx 6 Fed #6H
Site Centre Northing: 419763.17
Easting: 733298.08
Ground Level: 3444.00
Positional Uncertainty: 0.00
Convergence: 0.33

LEGEND

- Trionyx 6 Fed #4H (1)
- Trionyx 6 Fed #5H (1)
- Plan #1



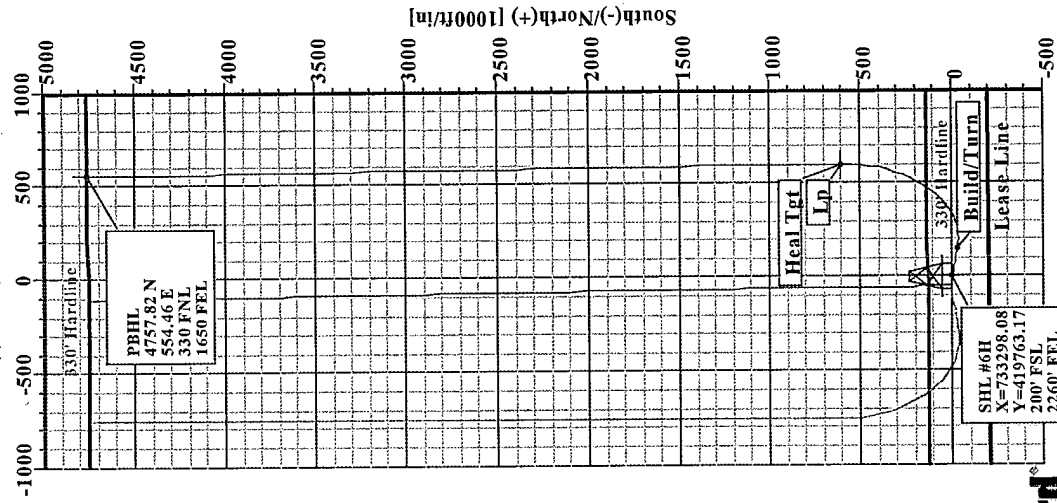
Azimuths to Grid North
True North: -0.33°
Magnetic North: 7.30°
Magnetic Field
Strength: 48568nT
Dip Angle: 60.09°
Date: 8/10/2011
Model: IGRF2010

Total Correction to Grid North: 7.30°



Weatherford

West(-)/East(+) [1000ft/in]



True Vertical Depth [500ft/in]

Vertical Section at 6.65° [500ft/in]

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

Created By: Russell W. Joyner

Date: 9/30/2010



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy Date: 9/30/2010 Time: 09:57:43 Page: 1
Field: Lea County, New Mexico (NAD 83) Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #6H, Grid North
Site: Trionyx 6 Fed #6H Vertical (TVD) Reference: SITE 3469.0
Well: Trionyx 6 Fed #6H Section (VS) Reference: Well (0.00N,0.00E,6.65Azi)
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 #6H

Site Position: Northing: 419763.17 ft Latitude: 32 9 8.946 N
From: Map Easting: 733298.08 ft Longitude: 103 42 47.027 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3444.00 ft Grid Convergence: 0.33 deg

Well: Trionyx 6 Fed #6H Slot Name:
Well Position: +N-S 0.00 ft Northing: 419763.17 ft Latitude: 32 9 8.946 N
+E-W 0.00 ft Easting: 733298.08 ft Longitude: 103 42 47.027 W
Position Uncertainty: 0.00 ft

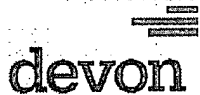
Wellpath: 1 Drilled From: Surface
Current Datum: SITE Height 3469.00 ft Tie-on Depth: 0.00 ft
Magnetic Data: 8/10/2011 Above System Datum: Mean Sea Level
Field Strength: 48568 nT Declination: 7.63 deg
Vertical Section: Depth From (TVD) +N-S 60.09 deg
ft +E-W
ft Direction
deg
9140.00 0.00 0.00 6.65

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	
8168.08	0.00	0.00	8168.08	0.00	0.00	0.00	0.00	0.00	0.00	
8615.88	40.30	102.00	8579.86	-31.42	147.80	9.00	9.00	0.00	102.00	
9706.60	90.00	359.32	9140.00	604.20	603.77	9.00	4.56	-9.41	-99.74	Heal Tgt
13860.51	90.00	359.32	9140.00	4757.82	554.46	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	419763.17	733298.08	Kop
8168.08	0.00	0.00	8168.08	0.00	0.00	0.00	0.00	419763.17	733298.08	
8200.00	2.87	102.00	8199.99	-0.17	0.78	-0.07	9.00	419763.00	733298.86	
8300.00	11.87	102.00	8299.06	-2.83	13.32	-1.27	9.00	419760.34	733311.40	
8400.00	20.87	102.00	8394.90	-8.69	40.87	-3.90	9.00	419754.48	733338.95	
8500.00	29.87	102.00	8485.17	-17.59	82.74	-7.89	9.00	419745.58	733380.82	Build/Turn
8600.00	38.87	102.00	8567.62	-29.32	137.90	-13.16	9.00	419733.85	733435.98	
8615.88	40.30	102.00	8579.86	-31.42	147.80	-14.10	9.00	419731.75	733445.88	
8700.00	39.61	90.25	8644.43	-37.21	201.30	-13.65	9.00	419725.96	733499.38	
8800.00	40.34	76.27	8721.22	-29.65	264.76	1.20	9.00	419733.52	733562.84	
8900.00	42.68	63.13	8796.24	-6.60	326.56	31.25	9.00	419756.57	733624.64	
9000.00	46.36	51.41	8867.65	31.37	385.20	75.75	9.00	419794.54	733683.28	
9100.00	51.10	41.21	8933.69	83.33	439.23	133.61	9.00	419846.50	733737.31	
9200.00	56.60	32.38	8992.73	147.99	487.32	203.40	9.00	419911.16	733785.40	
9300.00	62.66	24.65	9043.32	223.77	528.28	283.41	9.00	419986.94	733826.36	
9400.00	69.09	17.75	9084.21	308.79	561.11	371.67	9.00	420071.96	733859.19	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

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

Date: 9/30/2010 Time: 09:57:43 Page: 2
Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #6H, Grid North
Vertical (TVD) Reference: SITE 3469.0
Section (VS) Reference: Well (0.00N,0.00E,6.65Azi)
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	75.78	11.42	9114.40	400.97	585.00	465.99	9.00	420164.14	733883.08	
9600.00	82.62	5.47	9133.14	498.04	599.35	564.07	9.00	420261.21	733897.43	
9700.00	89.54	359.70	9139.97	597.60	603.83	663.48	9.00	420360.77	733901.91	
9706.60	90.00	359.32	9140.00	604.20	603.77	670.03	9.00	420367.37	733901.85	Heal Tgt
9800.00	90.00	359.32	9140.00	697.60	602.66	762.67	0.00	420460.77	733900.74	
9900.00	90.00	359.32	9140.00	797.59	601.48	861.85	0.00	420560.76	733899.56	
10000.00	90.00	359.32	9140.00	897.58	600.29	961.03	0.00	420660.75	733898.37	
10100.00	90.00	359.32	9140.00	997.58	599.10	1060.22	0.00	420760.75	733897.18	
10200.00	90.00	359.32	9140.00	1097.57	597.92	1159.40	0.00	420860.74	733896.00	
10300.00	90.00	359.32	9140.00	1197.56	596.73	1258.59	0.00	420960.73	733894.81	
10400.00	90.00	359.32	9140.00	1297.55	595.54	1357.77	0.00	421060.72	733893.62	
10500.00	90.00	359.32	9140.01	1397.55	594.36	1456.95	0.00	421160.72	733892.44	
10600.00	90.00	359.32	9140.01	1497.54	593.17	1556.14	0.00	421260.71	733891.25	
10700.00	90.00	359.32	9140.01	1597.53	591.98	1655.32	0.00	421360.70	733890.06	
10800.00	90.00	359.32	9140.01	1697.53	590.80	1754.50	0.00	421460.70	733888.88	
10900.00	90.00	359.32	9140.01	1797.52	589.61	1853.69	0.00	421560.69	733887.69	
11000.00	90.00	359.32	9140.01	1897.51	588.42	1952.87	0.00	421660.68	733886.50	
11100.00	90.00	359.32	9140.01	1997.51	587.24	2052.05	0.00	421760.68	733885.32	
11200.00	90.00	359.32	9140.01	2097.50	586.05	2151.24	0.00	421860.67	733884.13	
11300.00	90.00	359.32	9140.01	2197.49	584.86	2250.42	0.00	421960.66	733882.94	
11400.00	90.00	359.32	9140.01	2297.48	583.68	2349.60	0.00	422060.65	733881.76	
11500.00	90.00	359.32	9140.01	2397.48	582.49	2448.79	0.00	422160.65	733880.57	
11600.00	90.00	359.32	9140.01	2497.47	581.30	2547.97	0.00	422260.64	733879.38	
11700.00	90.00	359.32	9140.01	2597.46	580.12	2647.15	0.00	422360.63	733878.20	
11800.00	90.00	359.32	9140.01	2697.46	578.93	2746.34	0.00	422460.63	733877.01	
11900.00	90.00	359.32	9140.01	2797.45	577.74	2845.52	0.00	422560.62	733875.82	
12000.00	90.00	359.32	9140.02	2897.44	576.56	2944.70	0.00	422660.61	733874.64	
12100.00	90.00	359.32	9140.02	2997.44	575.37	3043.89	0.00	422760.61	733873.45	
12200.00	90.00	359.32	9140.02	3097.43	574.19	3143.07	0.00	422860.60	733872.27	
12300.00	90.00	359.32	9140.02	3197.42	573.00	3242.25	0.00	422960.59	733871.08	
12400.00	90.00	359.32	9140.02	3297.41	571.81	3341.44	0.00	423060.58	733869.89	
12500.00	90.00	359.32	9140.02	3397.41	570.63	3440.62	0.00	423160.58	733868.71	
12600.00	90.00	359.32	9140.02	3497.40	569.44	3539.80	0.00	423260.57	733867.52	
12700.00	90.00	359.32	9140.02	3597.39	568.25	3638.99	0.00	423360.56	733866.33	
12800.00	90.00	359.32	9140.02	3697.39	567.07	3738.17	0.00	423460.56	733865.15	
12900.00	90.00	359.32	9140.02	3797.38	565.88	3837.36	0.00	423560.55	733863.96	
13000.00	90.00	359.32	9140.02	3897.37	564.69	3936.54	0.00	423660.54	733862.77	
13100.00	90.00	359.32	9140.02	3997.36	563.51	4035.72	0.00	423760.53	733861.59	
13200.00	90.00	359.32	9140.02	4097.36	562.32	4134.91	0.00	423860.53	733860.40	
13300.00	90.00	359.32	9140.02	4197.35	561.13	4234.09	0.00	423960.52	733859.21	
13400.00	90.00	359.32	9140.02	4297.34	559.95	4333.27	0.00	424060.51	733858.03	
13500.00	90.00	359.32	9140.03	4397.34	558.76	4432.46	0.00	424160.51	733856.84	
13600.00	90.00	359.32	9140.03	4497.33	557.57	4531.64	0.00	424260.50	733855.65	
13700.00	90.00	359.32	9140.03	4597.32	556.39	4630.82	0.00	424360.49	733854.47	
13800.00	90.00	359.32	9140.03	4697.32	555.20	4730.01	0.00	424460.49	733853.28	
13860.51	90.00	359.32	9140.00	4757.82	554.46	4790.02	0.00	424520.99	733852.54	Pbhl



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy Date: 9/30/2010 Time: 09:57:43 Page: 3
Field: Lea County, New Mexico (NAD 83) Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #6H, Grid North
Site: Trionyx 6 Fed #6H Vertical (TVD) Reference: SITE 3469.0
Well: Trionyx 6 Fed #6H Section (VS) Reference: Well (0.00N,0.00E,6.65Azi)
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		
Heal Tgt			9140.00	604.20	603.77	420367.37	733901.85	32	9	14.890 N	103	42	39.964 W
Pbhl			9140.00	4757.82	554.46	424520.99	733852.54	32	9	55.996 N	103	42	40.258 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
8168.08	8168.08	Kop
8615.88	8579.86	Build/Turn
9706.60	9140.00	Lp
13860.50	9140.03	Pbhl

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy Date: 9/30/2010 Time: 09:56:25 Page: 1
Field: Lea County, New Mexico (NAD 83)
Reference Site: Trionyx 6 Fed #6H Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #6H, Grid North
Reference Well: Trionyx 6 Fed #6H Vertical (TVD) Reference: SITE 3469.0
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 13860.51 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	8100.00	50.01	13.88	1.38	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	0.00	0.00	0.00	0.00	269.54	-0.40	-50.01	50.01			No Data
100.00	100.00	100.00	100.00	0.08	0.08	269.54	-0.40	-50.01	50.01	49.84	296.67	
200.00	200.00	200.00	200.00	0.31	0.31	269.54	-0.40	-50.01	50.01	49.39	80.91	
300.00	300.00	300.00	300.00	0.53	0.53	269.54	-0.40	-50.01	50.01	48.94	46.84	
400.00	400.00	400.00	400.00	0.76	0.76	269.54	-0.40	-50.01	50.01	48.49	32.96	
500.00	500.00	500.00	500.00	0.98	0.98	269.54	-0.40	-50.01	50.01	48.04	25.43	
600.00	600.00	600.00	600.00	1.21	1.21	269.54	-0.40	-50.01	50.01	47.60	20.70	
700.00	700.00	700.00	700.00	1.43	1.43	269.54	-0.40	-50.01	50.01	47.15	17.45	
800.00	800.00	800.00	800.00	1.66	1.66	269.54	-0.40	-50.01	50.01	46.70	15.09	
900.00	900.00	900.00	900.00	1.88	1.88	269.54	-0.40	-50.01	50.01	46.25	13.28	
1000.00	1000.00	1000.00	1000.00	2.11	2.11	269.54	-0.40	-50.01	50.01	45.80	11.87	
1100.00	1100.00	1100.00	1100.00	2.33	2.33	269.54	-0.40	-50.01	50.01	45.35	10.72	
1200.00	1200.00	1200.00	1200.00	2.56	2.56	269.54	-0.40	-50.01	50.01	44.90	9.78	
1300.00	1300.00	1300.00	1300.00	2.78	2.78	269.54	-0.40	-50.01	50.01	44.45	8.99	
1400.00	1400.00	1400.00	1400.00	3.01	3.01	269.54	-0.40	-50.01	50.01	44.00	8.32	
1500.00	1500.00	1500.00	1500.00	3.23	3.23	269.54	-0.40	-50.01	50.01	43.55	7.74	
1600.00	1600.00	1600.00	1600.00	3.46	3.46	269.54	-0.40	-50.01	50.01	43.10	7.24	
1700.00	1700.00	1700.00	1700.00	3.68	3.68	269.54	-0.40	-50.01	50.01	42.65	6.79	
1800.00	1800.00	1800.00	1800.00	3.91	3.91	269.54	-0.40	-50.01	50.01	42.20	6.40	
1900.00	1900.00	1900.00	1900.00	4.13	4.13	269.54	-0.40	-50.01	50.01	41.75	6.05	
2000.00	2000.00	2000.00	2000.00	4.35	4.35	269.54	-0.40	-50.01	50.01	41.30	5.74	
2100.00	2100.00	2100.00	2100.00	4.58	4.58	269.54	-0.40	-50.01	50.01	40.85	5.46	
2200.00	2200.00	2200.00	2200.00	4.80	4.80	269.54	-0.40	-50.01	50.01	40.40	5.20	
2300.00	2300.00	2300.00	2300.00	5.03	5.03	269.54	-0.40	-50.01	50.01	39.95	4.97	
2400.00	2400.00	2400.00	2400.00	5.25	5.25	269.54	-0.40	-50.01	50.01	39.50	4.76	
2500.00	2500.00	2500.00	2500.00	5.48	5.48	269.54	-0.40	-50.01	50.01	39.05	4.56	
2600.00	2600.00	2600.00	2600.00	5.70	5.70	269.54	-0.40	-50.01	50.01	38.60	4.38	
2700.00	2700.00	2700.00	2700.00	5.93	5.93	269.54	-0.40	-50.01	50.01	38.16	4.22	
2800.00	2800.00	2800.00	2800.00	6.15	6.15	269.54	-0.40	-50.01	50.01	37.71	4.06	
2900.00	2900.00	2900.00	2900.00	6.38	6.38	269.54	-0.40	-50.01	50.01	37.26	3.92	
3000.00	3000.00	3000.00	3000.00	6.60	6.60	269.54	-0.40	-50.01	50.01	36.81	3.79	
3100.00	3100.00	3100.00	3100.00	6.83	6.83	269.54	-0.40	-50.01	50.01	36.36	3.66	
3200.00	3200.00	3200.00	3200.00	7.05	7.05	269.54	-0.40	-50.01	50.01	35.91	3.55	
3300.00	3300.00	3300.00	3300.00	7.28	7.28	269.54	-0.40	-50.01	50.01	35.46	3.44	
3400.00	3400.00	3400.00	3400.00	7.50	7.50	269.54	-0.40	-50.01	50.01	35.01	3.33	
3500.00	3500.00	3500.00	3500.00	7.73	7.73	269.54	-0.40	-50.01	50.01	34.56	3.24	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

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

Date: 9/30/2010

Time: 09:56:25

Page: 2

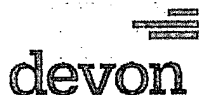
Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #6H, Grid North
Vertical (TVD) Reference: SITE 3469.0

Db: Sybase

Site: Trionyx 6 Fed #5H
Well: Trionyx 6 Fed #5H
Wellpath: 1 VO 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	3600.00	3600.00	7.95	7.95	269.54	-0.40	-50.01	50.01	34.11	3.14	
3700.00	3700.00	3700.00	3700.00	8.18	8.18	269.54	-0.40	-50.01	50.01	33.66	3.06	
3800.00	3800.00	3800.00	3800.00	8.40	8.40	269.54	-0.40	-50.01	50.01	33.21	2.98	
3900.00	3900.00	3900.00	3900.00	8.63	8.63	269.54	-0.40	-50.01	50.01	32.76	2.90	
4000.00	4000.00	4000.00	4000.00	8.85	8.85	269.54	-0.40	-50.01	50.01	32.31	2.83	
4100.00	4100.00	4100.00	4100.00	9.07	9.07	269.54	-0.40	-50.01	50.01	31.86	2.76	
4200.00	4200.00	4200.00	4200.00	9.30	9.30	269.54	-0.40	-50.01	50.01	31.41	2.69	
4300.00	4300.00	4300.00	4300.00	9.52	9.52	269.54	-0.40	-50.01	50.01	30.96	2.63	
4400.00	4400.00	4400.00	4400.00	9.75	9.75	269.54	-0.40	-50.01	50.01	30.51	2.56	
4500.00	4500.00	4500.00	4500.00	9.97	9.97	269.54	-0.40	-50.01	50.01	30.06	2.51	
4600.00	4600.00	4600.00	4600.00	10.20	10.20	269.54	-0.40	-50.01	50.01	29.61	2.45	
4700.00	4700.00	4700.00	4700.00	10.42	10.42	269.54	-0.40	-50.01	50.01	29.16	2.40	
4800.00	4800.00	4800.00	4800.00	10.65	10.65	269.54	-0.40	-50.01	50.01	28.72	2.35	
4900.00	4900.00	4900.00	4900.00	10.87	10.87	269.54	-0.40	-50.01	50.01	28.27	2.30	
5000.00	5000.00	5000.00	5000.00	11.10	11.10	269.54	-0.40	-50.01	50.01	27.82	2.25	
5100.00	5100.00	5100.00	5100.00	11.32	11.32	269.54	-0.40	-50.01	50.01	27.37	2.21	
5200.00	5200.00	5200.00	5200.00	11.55	11.55	269.54	-0.40	-50.01	50.01	26.92	2.17	
5300.00	5300.00	5300.00	5300.00	11.77	11.77	269.54	-0.40	-50.01	50.01	26.47	2.12	
5400.00	5400.00	5400.00	5400.00	12.00	12.00	269.54	-0.40	-50.01	50.01	26.02	2.08	
5500.00	5500.00	5500.00	5500.00	12.22	12.22	269.54	-0.40	-50.01	50.01	25.57	2.05	
5600.00	5600.00	5600.00	5600.00	12.45	12.45	269.54	-0.40	-50.01	50.01	25.12	2.01	
5700.00	5700.00	5700.00	5700.00	12.67	12.67	269.54	-0.40	-50.01	50.01	24.67	1.97	
5800.00	5800.00	5800.00	5800.00	12.90	12.90	269.54	-0.40	-50.01	50.01	24.22	1.94	
5900.00	5900.00	5900.00	5900.00	13.12	13.12	269.54	-0.40	-50.01	50.01	23.77	1.91	
6000.00	6000.00	6000.00	6000.00	13.35	13.35	269.54	-0.40	-50.01	50.01	23.32	1.87	
6100.00	6100.00	6100.00	6100.00	13.57	13.57	269.54	-0.40	-50.01	50.01	22.87	1.84	
6200.00	6200.00	6200.00	6200.00	13.80	13.80	269.54	-0.40	-50.01	50.01	22.42	1.81	
6300.00	6300.00	6300.00	6300.00	14.02	14.02	269.54	-0.40	-50.01	50.01	21.97	1.78	
6400.00	6400.00	6400.00	6400.00	14.24	14.24	269.54	-0.40	-50.01	50.01	21.52	1.76	
6500.00	6500.00	6500.00	6500.00	14.47	14.47	269.54	-0.40	-50.01	50.01	21.07	1.73	
6600.00	6600.00	6600.00	6600.00	14.69	14.69	269.54	-0.40	-50.01	50.01	20.62	1.70	
6700.00	6700.00	6700.00	6700.00	14.92	14.92	269.54	-0.40	-50.01	50.01	20.17	1.68	
6800.00	6800.00	6800.00	6800.00	15.14	15.14	269.54	-0.40	-50.01	50.01	19.72	1.65	
6900.00	6900.00	6900.00	6900.00	15.37	15.37	269.54	-0.40	-50.01	50.01	19.27	1.63	
7000.00	7000.00	7000.00	7000.00	15.59	15.59	269.54	-0.40	-50.01	50.01	18.83	1.60	
7100.00	7100.00	7100.00	7100.00	15.82	15.82	269.54	-0.40	-50.01	50.01	18.38	1.58	
7200.00	7200.00	7200.00	7200.00	16.04	16.04	269.54	-0.40	-50.01	50.01	17.93	1.56	
7300.00	7300.00	7300.00	7300.00	16.27	16.27	269.54	-0.40	-50.01	50.01	17.48	1.54	
7400.00	7400.00	7400.00	7400.00	16.49	16.49	269.54	-0.40	-50.01	50.01	17.03	1.52	
7500.00	7500.00	7500.00	7500.00	16.72	16.72	269.54	-0.40	-50.01	50.01	16.58	1.50	Level 3
7600.00	7600.00	7600.00	7600.00	16.94	16.94	269.54	-0.40	-50.01	50.01	16.13	1.48	Level 3
7700.00	7700.00	7700.00	7700.00	17.17	17.17	269.54	-0.40	-50.01	50.01	15.68	1.46	Level 3
7800.00	7800.00	7800.00	7800.00	17.39	17.39	269.54	-0.40	-50.01	50.01	15.23	1.44	Level 3
7900.00	7900.00	7900.00	7900.00	17.62	17.62	269.54	-0.40	-50.01	50.01	14.78	1.42	Level 3
8000.00	8000.00	8000.00	8000.00	17.84	17.84	269.54	-0.40	-50.01	50.01	14.33	1.40	Level 3
8100.00	8100.00	8100.00	8100.00	18.07	18.07	269.54	-0.40	-50.01	50.01	13.88	1.38	Level 3
8200.00	8199.99	8199.99	8199.99	18.28	18.29	167.72	-0.40	-50.01	50.79	14.23	1.39	Level 3
8300.00	8299.06	8299.06	8299.06	18.48	18.51	169.99	-0.40	-50.01	63.38	26.66	1.73	
8400.00	8394.90	8394.90	8394.90	18.69	18.73	172.74	-0.40	-50.01	91.25	54.70	2.50	
8500.00	8485.17	8485.17	8485.17	18.94	18.93	174.67	-0.40	-50.01	133.85	97.76	3.71	
8600.00	8567.62	8566.25	8566.24	19.26	19.11	176.02	0.18	-50.02	190.22	154.85	5.38	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

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

Date: 9/30/2010

Time: 09:56:25

Page: 3

Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #6H, Grid North
Vertical (TVD) Reference: SITE 3469.0

Db: Sybase

Site: Trionyx 6 Fed #5H
Well: Trionyx 6 Fed #5H
Wellpath: 1 VO 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				
8700.00	8644.43	8637.13	8636.71	19.67	19.27	192.98	7.45	-50.09	255.45	219.69	7.14	
8800.00	8721.22	8707.41	8705.25	20.08	19.42	210.51	22.81	-50.25	319.74	283.05	8.71	
8900.00	8796.24	8778.57	8772.33	20.46	19.57	225.56	46.41	-50.50	381.52	343.75	10.10	
9000.00	8867.65	8851.77	8837.92	20.81	19.74	237.98	78.80	-50.83	439.61	400.75	11.31	
9100.00	8933.69	8928.05	8901.56	21.13	19.93	247.86	120.78	-51.27	492.98	453.06	12.35	
9200.00	8992.73	9008.28	8962.16	21.43	20.16	255.45	173.25	-51.82	540.59	499.68	13.21	
9300.00	9043.32	9093.05	9017.99	21.74	20.47	261.13	236.94	-52.48	581.46	539.61	13.89	
9400.00	9084.21	9182.57	9066.59	22.04	20.87	265.19	312.02	-53.26	614.63	571.86	14.37	
9500.00	9114.40	9276.55	9105.01	22.35	21.38	267.91	397.68	-54.15	639.22	595.52	14.63	
9600.00	9133.14	9374.07	9130.23	22.67	22.03	269.48	491.77	-55.13	654.52	609.82	14.64	
9700.00	9139.97	9473.64	9139.93	22.99	22.80	270.00	590.74	-56.16	660.02	614.26	14.42	
9800.00	9140.00	9573.56	9140.00	23.80	23.65	270.00	690.66	-57.20	659.90	612.49	13.92	
9900.00	9140.00	9673.48	9140.00	24.71	24.58	270.00	790.57	-58.26	659.77	610.51	13.39	
10000.00	9140.00	9773.39	9140.00	25.72	25.62	270.00	890.48	-59.33	659.66	608.36	12.86	
10100.00	9140.00	9873.31	9140.00	26.81	26.74	270.00	990.38	-60.41	659.55	606.04	12.32	
10200.00	9140.00	9973.22	9140.00	27.98	27.94	270.00	1090.29	-61.51	659.46	603.58	11.80	
10300.00	9140.00	10073.14	9140.00	29.22	29.20	270.00	1190.20	-62.62	659.39	601.01	11.29	
10400.00	9140.00	10173.05	9140.00	30.52	30.51	270.00	1290.11	-63.74	659.32	598.33	10.81	
10500.00	9140.01	10272.97	9140.00	31.87	31.88	270.00	1390.02	-64.87	659.27	595.56	10.35	
10600.00	9140.01	10372.88	9140.00	33.26	33.30	270.00	1489.93	-66.02	659.23	592.71	9.91	
10700.00	9140.01	10472.80	9140.00	34.70	34.75	270.00	1589.84	-67.18	659.21	589.80	9.50	
10800.00	9140.01	10572.71	9140.00	36.17	36.23	270.00	1689.74	-68.35	659.20	586.83	9.11	
10900.00	9140.01	10672.63	9140.00	37.67	37.75	270.00	1789.65	-69.54	659.20	583.81	8.74	
11000.00	9140.01	10772.54	9140.00	39.20	39.29	270.00	1889.56	-70.74	659.21	580.75	8.40	
11100.00	9140.01	10872.46	9140.00	40.75	40.86	270.00	1989.47	-71.95	659.24	577.65	8.08	
11200.00	9140.01	10972.37	9140.00	42.33	42.44	270.00	2089.38	-73.18	659.28	574.53	7.78	
11300.00	9140.01	11072.29	9140.00	43.93	44.05	270.00	2189.28	-74.41	659.33	571.38	7.50	
11400.00	9140.01	11172.20	9140.00	45.54	45.67	270.00	2289.19	-75.66	659.39	568.20	7.23	
11500.00	9140.01	11272.12	9140.00	47.17	47.31	270.00	2389.10	-76.93	659.47	565.01	6.98	
11600.00	9140.01	11372.03	9140.00	48.81	48.96	270.00	2489.00	-78.20	659.56	561.81	6.75	
11700.00	9140.01	11471.95	9140.00	50.47	50.63	270.00	2588.91	-79.49	659.66	558.59	6.53	
11800.00	9140.01	11571.86	9140.00	52.14	52.30	270.00	2688.82	-80.79	659.78	555.36	6.32	
11900.00	9140.01	11671.78	9140.00	53.82	53.98	270.00	2788.72	-82.11	659.91	552.13	6.12	
12000.00	9140.02	11771.69	9140.00	55.51	55.68	270.00	2888.63	-83.44	660.05	548.89	5.94	
12100.00	9140.02	11871.61	9140.00	57.20	57.38	270.00	2988.54	-84.78	660.21	545.65	5.76	
12200.00	9140.02	11971.52	9140.00	58.91	59.09	270.00	3088.44	-86.13	660.38	542.40	5.60	
12300.00	9140.02	12071.44	9140.00	60.62	60.81	270.00	3188.35	-87.50	660.56	539.15	5.44	
12400.00	9140.02	12171.35	9140.00	62.34	62.53	270.00	3288.25	-88.87	660.75	535.90	5.29	
12500.00	9140.02	12271.27	9140.00	64.06	64.26	270.00	3388.16	-90.27	660.96	532.65	5.15	
12600.00	9140.02	12371.18	9140.00	65.79	65.99	270.00	3488.06	-91.67	661.18	529.41	5.02	
12700.00	9140.02	12471.10	9140.00	67.53	67.73	270.00	3587.97	-93.09	661.41	526.17	4.89	
12800.00	9140.02	12571.01	9140.00	69.27	69.47	270.00	3687.87	-94.52	661.65	522.93	4.77	
12900.00	9140.02	12670.92	9140.00	71.01	71.22	270.00	3787.77	-95.96	661.91	519.69	4.65	
13000.00	9140.02	12770.84	9140.00	72.76	72.98	270.00	3887.68	-97.42	662.18	516.46	4.54	
13100.00	9140.02	12870.75	9140.00	74.52	74.73	270.00	3987.58	-98.89	662.47	513.24	4.44	
13200.00	9140.02	12970.67	9140.00	76.27	76.49	270.00	4087.48	-100.37	662.76	510.02	4.34	
13300.00	9140.02	13070.58	9140.00	78.03	78.25	270.00	4187.39	-101.87	663.07	506.80	4.24	
13400.00	9140.02	13170.49	9140.00	79.79	80.02	270.00	4287.29	-103.37	663.40	503.60	4.15	
13500.00	9140.03	13270.41	9140.00	81.56	81.79	270.00	4387.19	-104.89	663.73	500.40	4.06	
13600.00	9140.03	13370.32	9140.00	83.33	83.56	270.00	4487.09	-106.43	664.08	497.21	3.98	
13700.00	9140.03	13470.24	9140.00	85.10	85.33	270.00	4587.00	-107.97	664.44	494.02	3.90	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy Date: 9/30/2010 Time: 09:56:25 Page: 4
Field: Lea County, New Mexico (NAD 83)
Reference Site: Trionyx 6 Fed #6H Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #6H, Grid North
Reference Well: Trionyx 6 Fed #6H Vertical (TVD) Reference: SITE 3469.0
Reference Wellpath: 1 Db: Sybase

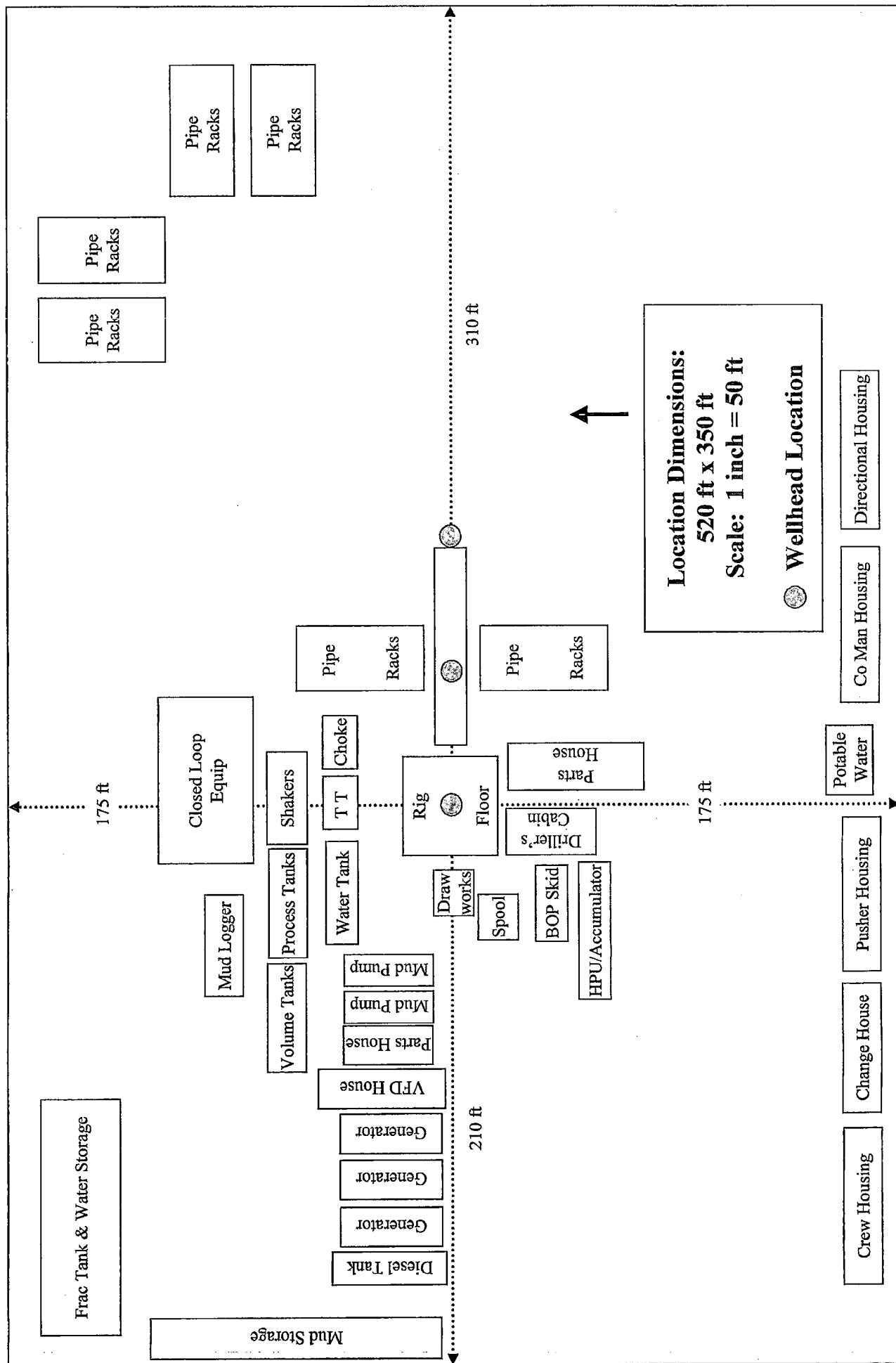
Site: Trionyx 6 Fed #5H
Well: Trionyx 6 Fed #5H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr	Edge	Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
13800.00	9140.03	13570.15	9140.00	86.87	87.11	270.00	4686.90	-109.53	664.82	490.85	3.82	
13860.51	9140.00	13630.61	9140.00	87.95	88.18	270.00	4747.35	-110.48	665.02	488.91	3.78	

H&P Flex Rig Location Layout

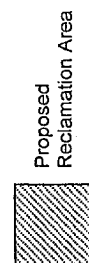
3 Well Pad





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

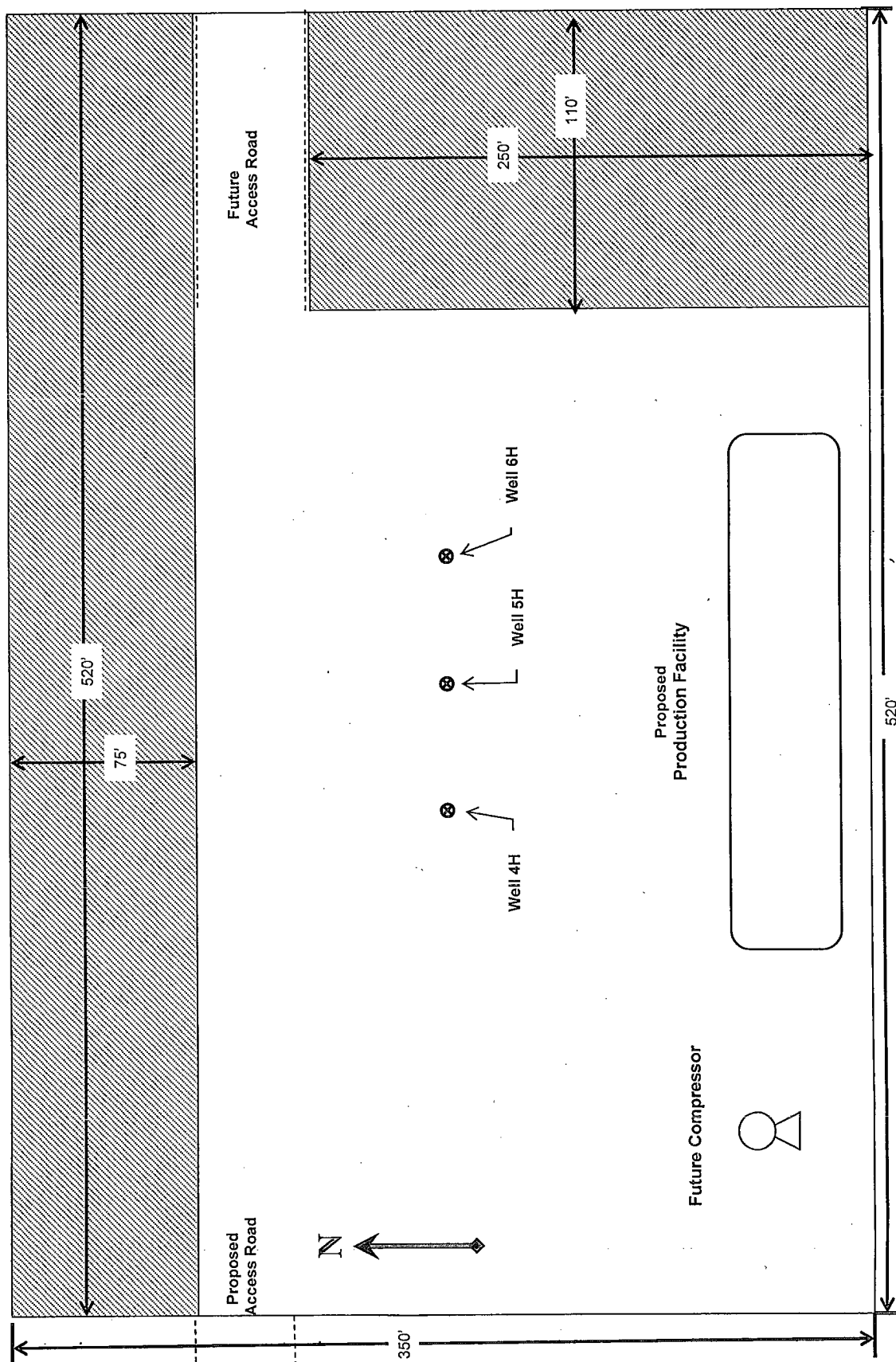


Proposed
Reclamation Area

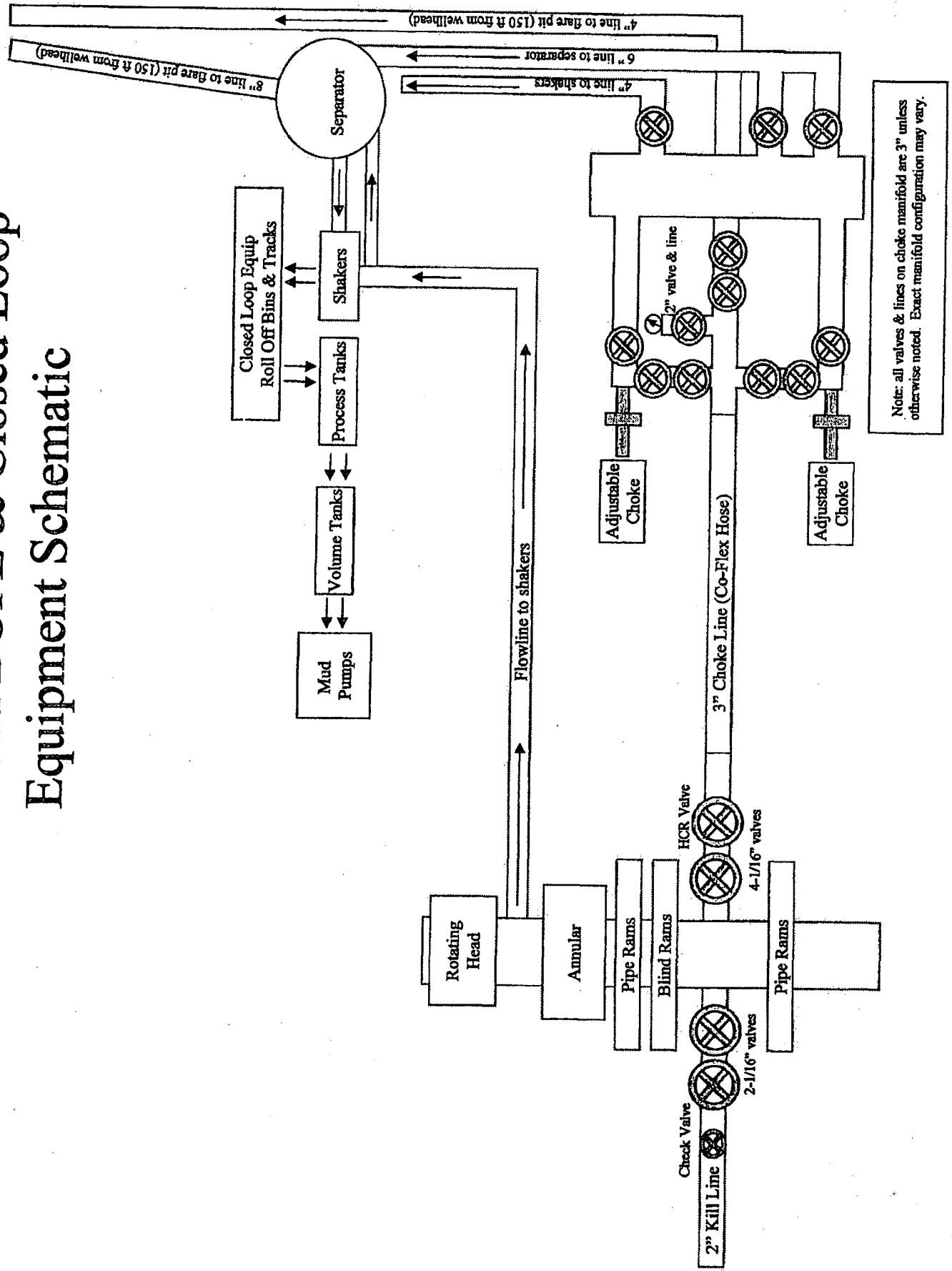


1" : 50'

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





**PHOENIX RUBBER
INDUSTRIAL LTD.**

QUALITY DOCUMENT

H-6728 Szeged, Budapesti út 10. Hungary • H-6701 Szeged, P. O. Box 152
Phone: (3662) 566-737 • Fax: (3662) 566-738

SALES & MARKETING: H-1082 Budapest, Ráday u. 42-44, Hungary • H-1440 Budapest, P. O. Box 26
Phone: (361) 456-4200 • Fax: (361) 217-2972, 456-4273 • www.laurusinterga.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 AISI 4130	C7626 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	RO	+25.45	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050	2060	2070	2080	2090	2100	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000	3010	3020	3030	3040	3050	3060	3070	3080	3090	3100	3110	3120	3130	3140	3150	3160	3170	3180	3190	3200	3210	3220	3230	3240	3250	3260	3270	3280	3290	3300	3310	3320	3330	3340	3350	3360	3370	3380	3390	3400	3410	3420	3430	3440	3450	3460	3470	3480	3490	3500	3510	3520	3530	3540	3550	3560	3570	3580	3590	3600	3610	3620	3630	3640	3650	3660	3670	3680	3690	3700	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	3810	3820	3830	3840	3850	3860	3870	3880	3890	3900	3910	3920	3930	3940	3950	3960	3970	3980	3990	4000	4010	4020	4030	4040	4050	4060	4070	4080	4090	4100	4110	4120	4130	4140	4150	4160	4170	4180	4190	4200	4210	4220	4230	4240	4250	4260	4270	4280	4290	4300	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	4510	4520	4530	4540	4550	4560	4570	4580	4590	4600	4610	4620	4630	4640	4650	4660	4670	4680	4690	4700	4710	4720	4730	4740	4750	4760	4770	4780	4790	4800	4810	4820	4830	4840	4850	4860	4870	4880	4890	4900	4910	4920	4930	4940	4950	4960	4970	4980	4990	5000	5010	5020	5030	5040	5050	5060	5070	5080	5090	5100	5110	5120	5130	5140	5150	5160	5170	5180	5190	5200	5210	5220	5230	5240	5250	5260	5270	5280	5290	5300	5310	5320	5330	5340	5350	5360	5370	5380	5390	5400	5410	5420	5430	5440	5450	5460	5470	5480	5490	5500	5510	5520	5530	5540	5550	5560	5570	5580	5590	5600	5610	5620	5630	5640	5650	5660	5670	5680	5690	5700	5710	5720	5730	5740	5750	5760	5770	5780	5790	5800	5810	5820	5830	5840	5850	5860	5870	5880	5890	5900	5910	5920	5930	5940	5950	5960	5970	5980	5990	6000	6010	6020	6030	6040	6050	6060	6070	6080	6090	6100	6110	6120	6130	6140	6150	6160	6170	6180	6190	6200	6210	6220	6230	6240	6250	6260	6270	6280	6290	6300	6310	6320	6330	6340	6350	6360	6370	6380	6390	6400	6410	6420	6430	6440	6450	6460	6470	6480	6490	6500	6510	6520	6530	6540	6550	6560	6570	6580	6590	6600	6610	6620	6630	6640	6650	6660	6670	6680	6690	6700	6710	6720	6730	6740	6750	6760	6770	6780	6790	6800	6810	6820	6830	6840	6850	6860	6870	6880	6890	6900	6910	6920	6930	6940	6950	6960	6970	6980	6990	7000	7010	7020	7030	7040	7050	7060	7070	7080	7090	7100	7110	7120	7130	7140	7150	7160	7170	7180	7190	7200	7210	7220	7230	7240	7250	7260	7270	7280	7290	7300	7310	7320	7330	7340	7350	7360	7370	7380	7390	7400	7410	7420	7430	7440	7450	7460	7470	7480	7490	7500	7510	7520	7530	7540	7550	7560	7570	7580	7590	7600	7610	7620	7630	7640	7650	7660	7670	7680	7690	7700	7710	7720	7730	7740	7750	7760	7770	7780	7790	7800	7810	7820	7830	7840	7850	7860	7870	7880	7890	7900	7910	7920	7930	7940	7950	7960	7970	7980	7990	8000	8010	8020	8030	8040	8050	8060	8070	8080	8090	8100	8110	8120	8130	8140	8150	8160	8170	8180	8190	8200	8210	8220	8230	8240	8250	8260	8270	8280	8290	8300	8310	8320	8330	8340	8350	8360	8370	8380	8390	8400	8410	8420	8430	8440	8450	8460	8470	8480	8490	8500	8510	8520	8530	8540	8550	8560	8570	8580	8590	8600	8610	8620	8630	8640	8650	8660	8670	8680	8690	8700	8710	8720	8730	8740	8750	8760	8770	8780	8790	8800	8810	8820	8830	8840	8850	8860	8870	8880	8890	8900	8910	8920	8930	8940	8950	8960	8970	8980	8990	9000	9010	9020	9030	9040	9050	9060	9070	9080	9090	9100	9110	9120	9130	9140	9150	9160	9170	9180	9190	9200	9210	9220	9230	9240	9250	9260	9270	9280	9290	9300	9310	9320	9330	9340	9350	9360	9370	9380	9390	9400	9410	9420	9430	9440	9450	9460	9470	9480	9490	9500	9510	9520	9530	9540	9550	9560	9570	9580	9590	9600	9610	9620	9630	9640	9650	9660	9670	9680	9690	9700	9710	9720	9730	9740	9750	9760	9770	9780	9790	9800	9810	9820	9830	9840	9850	9860	9870	9880	9890	9900	9910	9920	9930	9940	9950	9960	9970	9980	9990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	1210	1220	1230	1240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Phoenix Rubber
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 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. 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

