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OCD Hobbs

Form 3160-3
(April 2004)

FEB 07 2011
HOBBSOCD
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

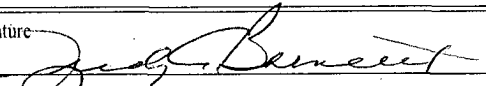
FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007 EA 11-136

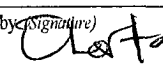
APPLICATION FOR PERMIT TO DRILL OR REENTER

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 7H	
3b. Phone No. (include area code) 405-228-8699		9. API Well No. 30-025-40047	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SE/4 SE/4 200 FSL & 635 FEL Unit P At proposed prod. zone NE/4 NE/4 330 FNL & 330 FEL Unit A PP: 182 FSL & 717 FEL		10. Field and Pool, or Exploratory Upper Bone Spring 97838	
11. Sec., T. R. M. or Blk. and Survey or Area 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 E/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 13,714' MD 9140' TVD		20. BLM/BIA Bond No. on file CO-1104	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3447' 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 10/25/2010
Title Regulatory Analyst		

Approved by (Signature) 	Name (Printed/Typed)	Date JAN 31 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 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

K 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

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HOBBSD

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 30-025-40047	² Pool Code 97838	³ Pool Name U. Locat UPPER BONE SPRING
⁴ Property Code 38384	⁵ Property Name TRIONYX "6" FED.	⁶ Well Number 7H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3446.6

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
P	6	25 S	32 E		200	SOUTH	685	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
A	6	25 S	32 E		330	NORTH	995	EAST	LEA

¹² Dedicated Acres 160 640	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°09'56.63"N LONG. = 103°42'32.64"W NMSP EAST (FT) N = 424528.43 E = 734517.52 TRIONYX "6" FED. #7H ELEV. = 3446.6 LAT. = 32°09'09.579"N (NAD83) LONG. = 103°42'28.824"W NMSP EAST (FT) N = 419774.12 E = 734873.07 HEAL TARGET LAT. = 32°09'15.51"N LONG. = 103°42'32.40"W NMSP EAST (FT) N = 420371.98 E = 734561.85 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	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 SE CORNER SEC. 6 LAT. = 32°09'07.61"N LONG. = 103°42'20.85"W NMSP EAST (FT) N = 419578.91 E = 735560.23 995' TOE TARGET 990' 800' 200' SURFACE LOCATION 685'	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: <i>Judy A. Barnett</i> Date: 10/25/10 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: <i>Timon E. Jaramillo</i> Certificate Number: TIMON E. JARAMILLO, PLS 12797 SURVEY NO. 195
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DRILLING PROGRAM

Devon Energy Production Company, LP

Trionyx 6 Federal 7H

Surface Location: 200' FSL & 685' FEL, Unit P, Sec 6 T25S R32E, Lea, NM

Bottom Hole Location: 330' FNL & 995' FEL, Unit A, 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	13,714'	

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 Upper 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>
See COA	17 1/2"	0-750' 790'	13 3/8"	0'-750'	48#	ST&C	H-40
	12 1/4"	750-4375'	9 5/8"	0'-4375'	40#	LT&C	J-55
	8 3/4"	4375-7500'	5 1/2"	0'-7500'	17#	LT&C	HCP-110
	8 3/4"	7500-13,714'	5 1/2"	8000-13,714'	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 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 4% bwoc Bentonite + 81.4% Fresh Water, 13.5 ppg, **Yield:** 1.75 cf/sk **TOC @ surface.**
Tail: 250 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56.3% Fresh Water, 14.8 ppg **Yield:** 1.35 cf/sk

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/s

5 1/2" Production

1st Stage
Lead: 450 sacks (35:65) Poz (Fly Ash):Class H Cement + 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% Fresh Water, 12.5 ppg **Yield:** 2.01 cf/sk
Tail: 1,500 sacks (50:50) Poz (Fly Ash):Class H Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 58.3% Fresh Water, 14.2 ppg **Yield:** 1.28 cf/sk
DV TOOL at 6,000'
2nd Stage
Lead: 250 sacks Class C Cement + 1% bwow Calcium Chloride + 0.125 lbs/sack Cello Flake + 157.8% Fresh Water, 11.4 ppg **Yield:** 2.89 cf/sk **TOC @ 3,875'**
Tail: 200 sacks (60:40) Poz (Fly Ash):Class C Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 63.2% Fresh Water, 13.8 ppg **Yield:** 1.37cf/sk

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' <i>AD</i>	8.4-9.0	30-34	NC	FW
750' - 4375' <i>4490</i>	9.8-10.0	28-32	NC	Brine
4375' - 13,714'	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 2019*

- 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 4200 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 #7H

LEA COUNTY, NM

WELL FILE: **PLAN 1**

OCTOBER 19, 2010

Weatherford International, Ltd.

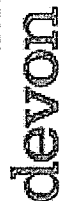
P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com



Trionyx 6 Fed #7H

Lea County, New Mexico

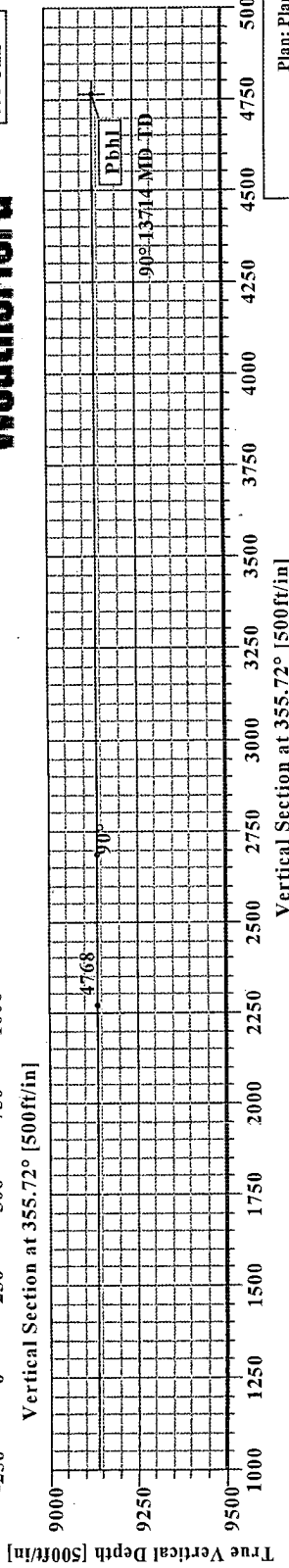
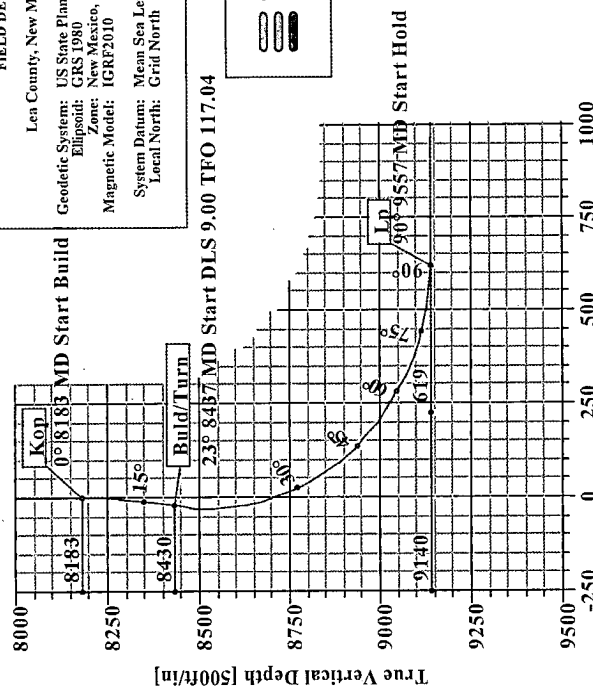
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	8183.45	0.00	0.00	8183.45	-24.00	-43.33	9.00	240.42	-21.30	
3	9457.90	0.00	2.00	9457.90	-597.86	-311.22	9.00	117.04	619.40	Heal Tgt
4	9457.90	90.00	359.39	9140.00	597.86	-311.22	9.00	117.04	619.40	
5	13711.98	90.00	359.39	9140.00	4754.31	-3555.55	0.00	0.00	4767.59	Ptbl

Name	WELL DETAILS				Longitude	Slot
	+N/-S	+E/-W	Northing	Easting		
Trionyx 6 Red #7H	0.00	0.00	419774.12	734873.07	103°42'28.706W	N/A

TARGET DETAILS						
Name	TYD	+N/-S	+E/-W	Northing	Easting	Shape
Heal Tgt	9140.00	597.86	-311.22	420371.98	734561.85	Point
Pbhl	9140.00	4754.31	-355.55	424528.43	734517.52	Point

FIELD DETAILS		SITE DETAILS	
Lea County, New Mexico (NAD 83)		Trionyx 6 Red #7H	
Geodetic System: US State Plane Coordinate System 1983		Site Centre Northing: 419774.12	
Ellipsoid: GRS 1980		Easting: 734873.07	
Zone: New Mexico, Eastern Zone		Ground Level: 3446.60	
Magnetic Model: IGRF2010		Positional Uncertainty: 0.00	
System Datum: Mean Sea Level		Convergence: 0.33	
Local North: Grid North			

Diagram illustrating the magnetic field measurement setup. A vertical line with an arrow pointing up is labeled 'G'. To its right is a circle with a horizontal line through its center. Two lines connect the top of the vertical line to the top and bottom of the circle. The top line is labeled 'M' and the bottom line is labeled 'T'.

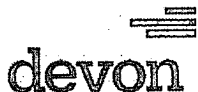


Vertical Section at 355.72° [500ft/in]

Plan: Plan #1 (Trionvx 6 Fed #7H/1)

Created By: Russell W. Joyner

Date: 10/19/2010



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy	Date: 10/19/2010	Time: 03:58:50	Page: 1
Field: Lea County, New Mexico (NAD 83)	Co-ordinate(NE) Reference:	Well: Trionyx 6 Fed #7H, Grid North	
Site: Trionyx 6 Fed #7H	Vertical (TVD) Reference:	SITE 3470.6	
Well: Trionyx 6 Fed #7H	Section (VS) Reference:	Well (0.00N,0.00E,355.72Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Plan: Plan #1	Date Composed: 10/18/2010
	Version: 1
Principal: Yes	Tied-to: From Surface

Field: Lea County, New Mexico (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: IGRF2010

Site: Trionyx 6 Fed #7H

Site Position:	Northing: 419774.12 ft	Latitude: 32 9 8.964 N
From: Map	Easting: 734873.07 ft	Longitude: 103 42 28.706 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3446.60 ft		Grid Convergence: 0.33 deg

Well: Trionyx 6 Fed #7H

Slot Name:

Well Position:	+N/-S 0.00 ft	Northing: 419774.12 ft	Latitude: 32 9 8.964 N
	+E/-W 0.00 ft	Easting: 734873.07 ft	Longitude: 103 42 28.706 W
Position Uncertainty: 0.00 ft			

Wellpath: 1

Current Datum: SITE	Height 3470.60 ft	Drilled From: Surface	
Magnetic Data: 9/10/2011		Tie-on Depth: 0.00 ft	
Field Strength: 48560 nT		Above System Datum: Mean Sea Level	
Vertical Section: Depth From (TVD)	+N/-S	Declination: 7.62 deg	
ft	ft	Mag Dip Angle: 60.09 deg	
		+E/-W	Direction
		ft	deg
0.00	0.00	0.00	355.72

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	
8183.45	0.00	0.00	8183.45	0.00	0.00	0.00	0.00	0.00	0.00	
8437.00	22.82	240.42	8430.35	-24.60	-43.33	9.00	9.00	0.00	240.42	
9557.30	90.00	359.39	9140.00	597.86	-311.22	9.00	6.00	10.62	117.04	Heal Tgt
13713.98	90.00	359.39	9140.00	4754.31	-355.55	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	419774.12	734873.07	
8183.45	0.00	0.00	8183.45	0.00	0.00	0.00	0.00	419774.12	734873.07	Kop
8200.00	1.49	240.42	8200.00	-0.11	-0.19	-0.09	9.00	419774.01	734872.88	
8300.00	10.49	240.42	8299.35	-5.25	-9.25	-4.55	9.00	419768.87	734863.82	
8400.00	19.49	240.42	8395.85	-18.01	-31.72	-15.59	9.00	419756.11	734841.35	
8437.00	22.82	240.42	8430.35	-24.60	-43.33	-21.30	9.00	419749.52	734829.74	Buld/Turn
8500.00	20.83	254.75	8488.87	-33.59	-64.78	-28.66	9.00	419740.53	734808.29	
8600.00	20.56	280.39	8582.61	-35.10	-99.28	-27.60	9.00	419739.02	734773.79	
8700.00	23.80	302.81	8675.37	-20.97	-133.57	-10.95	9.00	419753.15	734739.50	
8800.00	29.42	318.63	8764.85	8.45	-166.83	20.87	9.00	419782.57	734706.24	
8900.00	36.32	329.34	8848.87	52.45	-198.23	67.09	9.00	419826.57	734674.84	
9000.00	43.90	336.90	8925.34	109.93	-226.99	126.56	9.00	419884.05	734646.08	
9100.00	51.86	342.59	8992.38	179.49	-252.41	197.81	9.00	419953.61	734620.66	
9200.00	60.03	347.14	9048.35	259.41	-273.87	279.11	9.00	420033.53	734599.20	
9300.00	68.34	350.98	9091.87	347.71	-290.83	368.43	9.00	420121.83	734582.24	
9400.00	76.73	354.41	9121.86	442.24	-302.88	463.59	9.00	420216.36	734570.19	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Site: Trionyx 6 Fed #7H
Well: Trionyx 6 Fed #7H
Wellpath: 1

Date: 10/19/2010 Time: 03:58:50 Page: 2
Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #7H, Grid North
Vertical (TVD) Reference: SITE 3470.6
Section (VS) Reference: Well (0.00N,0.00E,355.72Azi)
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	85.16	357.60	9137.58	540.65	-309.72	562.24	9.00	420314.77	734563.35	Heal Tgt
9557.30	90.00	359.39	9140.00	597.86	-311.22	619.40	9.00	420371.98	734561.85	
9600.00	90.00	359.39	9140.00	640.56	-311.68	662.02	0.00	420414.68	734561.39	
9700.00	90.00	359.39	9140.00	740.55	-312.74	761.81	0.00	420514.67	734560.33	
9800.00	90.00	359.39	9140.00	840.55	-313.81	861.61	0.00	420614.67	734559.26	
9900.00	90.00	359.39	9140.00	940.54	-314.87	961.41	0.00	420714.66	734558.20	
10000.00	90.00	359.39	9140.00	1040.54	-315.94	1061.20	0.00	420814.66	734557.13	
10100.00	90.00	359.39	9140.00	1140.53	-317.01	1161.00	0.00	420914.65	734556.06	
10200.00	90.00	359.39	9140.00	1240.53	-318.07	1260.79	0.00	421014.65	734555.00	
10300.00	90.00	359.39	9140.00	1340.52	-319.14	1360.59	0.00	421114.64	734553.93	
10400.00	90.00	359.39	9140.00	1440.51	-320.21	1460.38	0.00	421214.63	734552.86	
10500.00	90.00	359.39	9140.00	1540.51	-321.27	1560.18	0.00	421314.63	734551.80	
10600.00	90.00	359.39	9140.00	1640.50	-322.34	1659.97	0.00	421414.62	734550.73	
10700.00	90.00	359.39	9140.00	1740.50	-323.41	1759.77	0.00	421514.62	734549.66	
10800.00	90.00	359.39	9140.00	1840.49	-324.47	1859.56	0.00	421614.61	734548.60	
10900.00	90.00	359.39	9140.00	1940.49	-325.54	1959.36	0.00	421714.61	734547.53	
11000.00	90.00	359.39	9140.00	2040.48	-326.60	2059.15	0.00	421814.60	734546.47	
11100.00	90.00	359.39	9140.00	2140.47	-327.67	2158.95	0.00	421914.59	734545.40	
11200.00	90.00	359.39	9140.00	2240.47	-328.74	2258.75	0.00	422014.59	734544.33	
11300.00	90.00	359.39	9140.00	2340.46	-329.80	2358.54	0.00	422114.58	734543.27	
11400.00	90.00	359.39	9140.00	2440.46	-330.87	2458.34	0.00	422214.58	734542.20	
11500.00	90.00	359.39	9140.00	2540.45	-331.94	2558.13	0.00	422314.57	734541.13	
11600.00	90.00	359.39	9140.00	2640.45	-333.00	2657.93	0.00	422414.57	734540.07	
11700.00	90.00	359.39	9140.00	2740.44	-334.07	2757.72	0.00	422514.56	734539.00	
11800.00	90.00	359.39	9140.00	2840.43	-335.14	2857.52	0.00	422614.55	734537.93	
11900.00	90.00	359.39	9140.00	2940.43	-336.20	2957.31	0.00	422714.55	734536.87	
12000.00	90.00	359.39	9140.00	3040.42	-337.27	3057.11	0.00	422814.54	734535.80	
12100.00	90.00	359.39	9140.00	3140.42	-338.33	3156.90	0.00	422914.54	734534.74	
12200.00	90.00	359.39	9140.00	3240.41	-339.40	3256.70	0.00	423014.53	734533.67	
12300.00	90.00	359.39	9140.00	3340.41	-340.47	3356.49	0.00	423114.53	734532.60	
12400.00	90.00	359.39	9140.00	3440.40	-341.53	3456.29	0.00	423214.52	734531.54	
12500.00	90.00	359.39	9140.00	3540.39	-342.60	3556.09	0.00	423314.51	734530.47	
12600.00	90.00	359.39	9140.00	3640.39	-343.67	3655.88	0.00	423414.51	734529.40	
12700.00	90.00	359.39	9140.00	3740.38	-344.73	3755.68	0.00	423514.50	734528.34	
12800.00	90.00	359.39	9140.00	3840.38	-345.80	3855.47	0.00	423614.50	734527.27	
12900.00	90.00	359.39	9140.00	3940.37	-346.87	3955.27	0.00	423714.49	734526.20	
13000.00	90.00	359.39	9140.00	4040.37	-347.93	4055.06	0.00	423814.49	734525.14	
13100.00	90.00	359.39	9140.00	4140.36	-349.00	4154.86	0.00	423914.48	734524.07	
13200.00	90.00	359.39	9140.00	4240.35	-350.07	4254.65	0.00	424014.47	734523.00	
13300.00	90.00	359.39	9140.00	4340.35	-351.13	4354.45	0.00	424114.47	734521.94	
13400.00	90.00	359.39	9140.00	4440.34	-352.20	4454.24	0.00	424214.46	734520.87	
13500.00	90.00	359.39	9140.00	4540.34	-353.26	4554.04	0.00	424314.46	734519.81	
13600.00	90.00	359.39	9140.00	4640.33	-354.33	4653.84	0.00	424414.45	734518.74	
13700.00	90.00	359.39	9140.00	4740.33	-355.40	4753.63	0.00	424514.45	734517.67	
13713.98	90.00	359.39	9140.00	4754.31	-355.55	4767.59	0.00	424528.43	734517.52	Pbhl

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	597.86	-311.22	420371.98	734561.85	32	9	14.898 N	103	42	32.286 W



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Site: Trionyx 6 Fed #7H
Well: Trionyx 6 Fed #7H
Wellpath: 1

Date: 10/19/2010 Time: 03:58:50 Page: 3
Co-ordinate(NE) Reference: Well: Trionyx 6 Fed #7H, Grid North
Vertical (TVD) Reference: SITE 3470.6
Section (VS) Reference: Well (0.00N,0.00E,355.72Azi)
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			9140.00	4754.31	-355.55	424528.43	734517.52	32	9	56.031 N	103	42	32.521 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

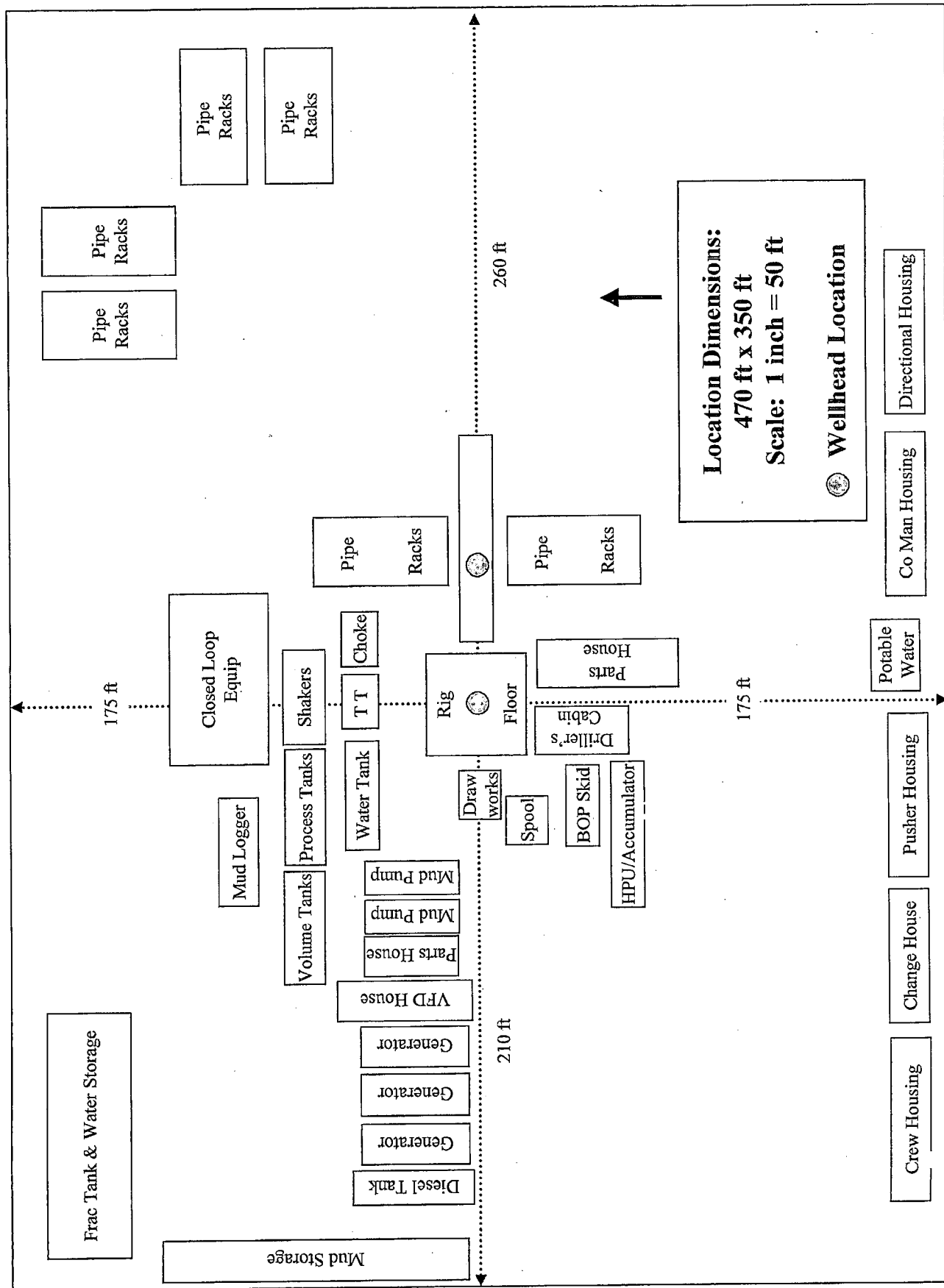
MD ft	TVD ft	
8183.45	8183.45	Kop
8437.00	8430.35	Buld/Turn
9557.30	9140.00	Lp
13713.98	9140.00	Pbhl

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

H&P Flex Rig Location Layout

2 Well Pad



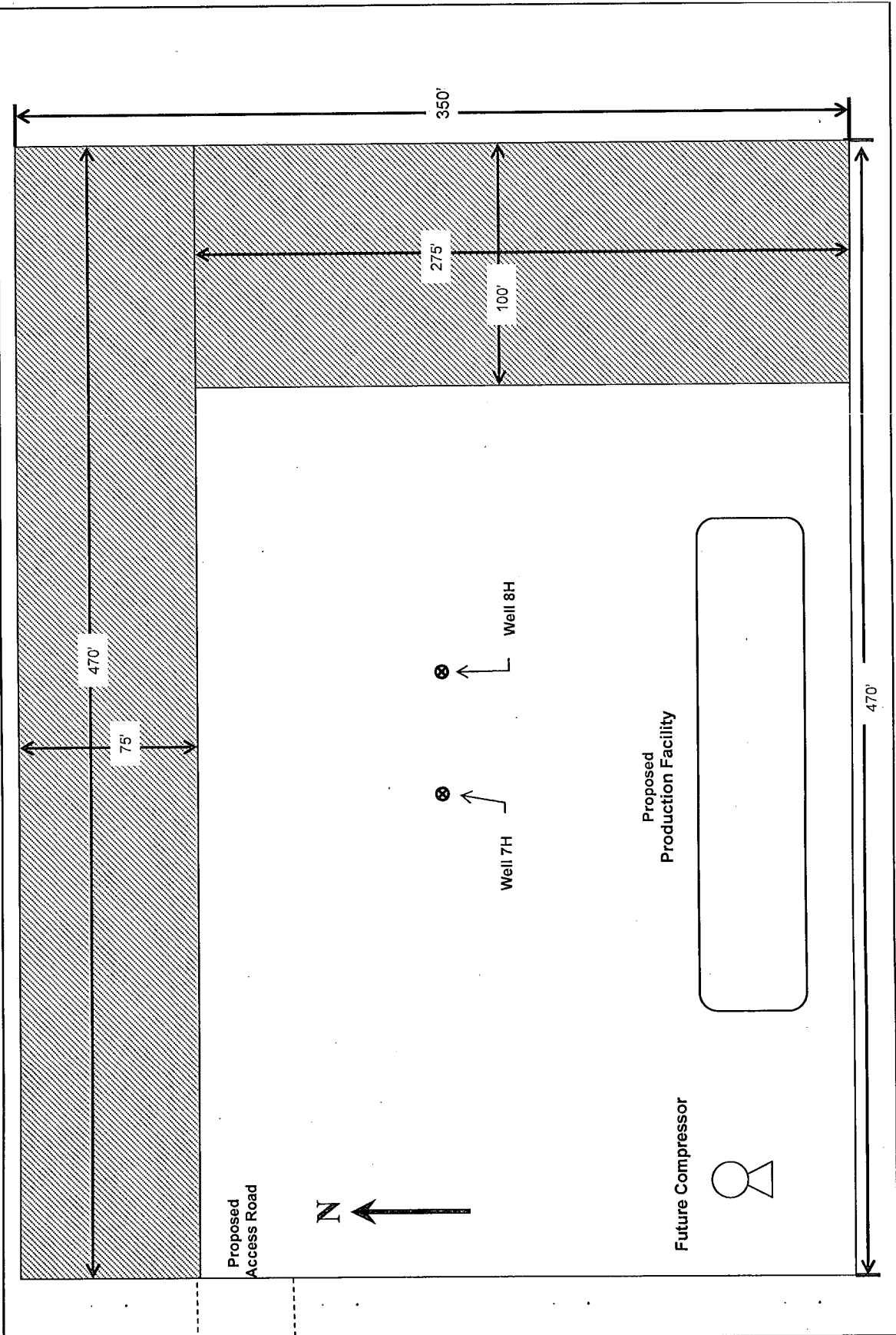


**Proposed Interim
Site Reclamation**

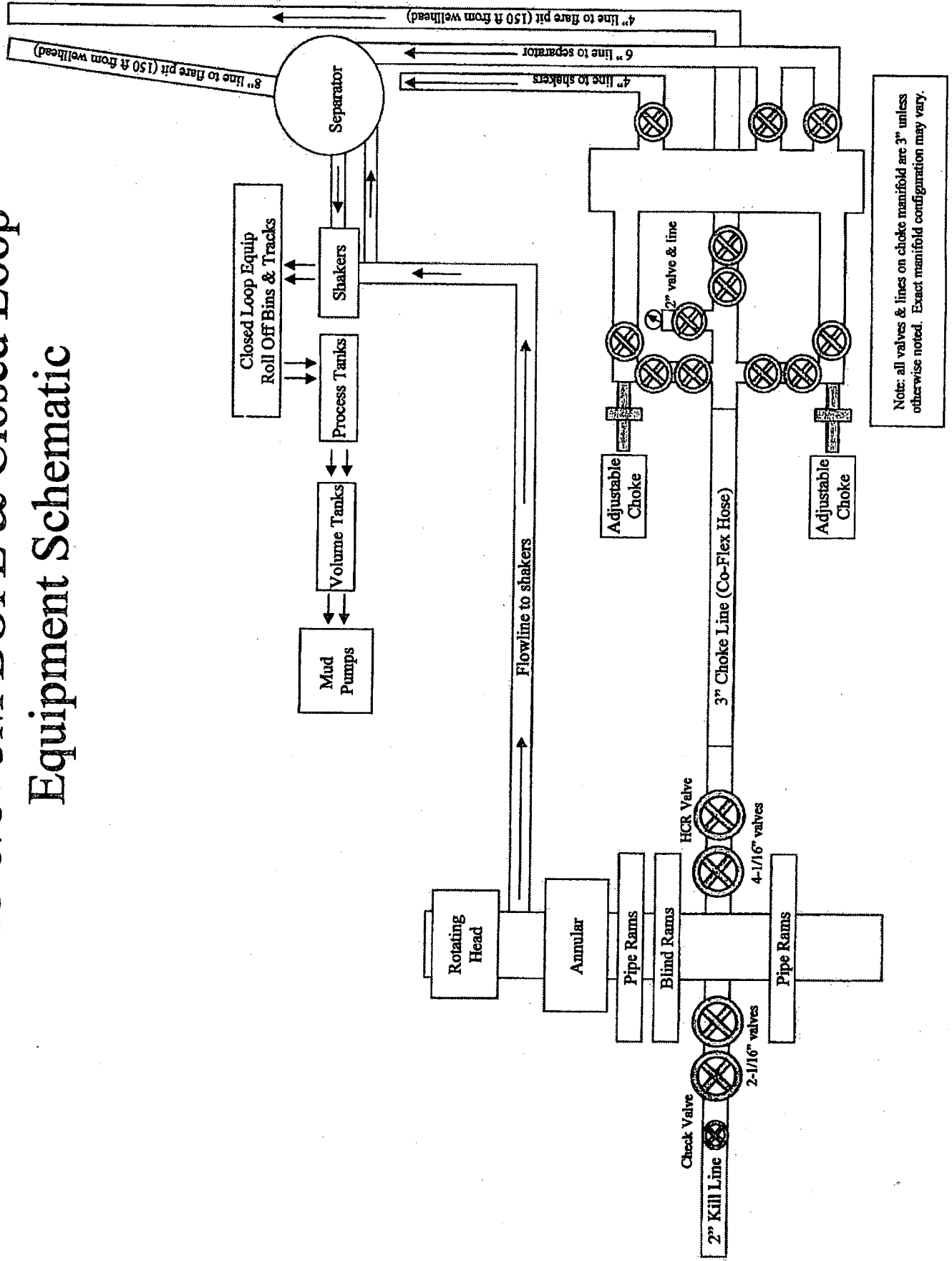
Devon Energy Production Co.
Trionyx 6 Fed 7 and 8
SE/4 SE/4
Sec. 6-T25S-R32E
Eddy County, NM



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.

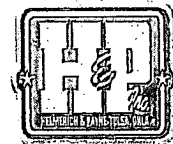
Should you have any questions or require any additional information/clarifications then please do not hesitate to contact us.

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





QUALITY DOCUMENT

**PHOENIX RUBBER
INDUSTRIAL LTD.**

 1-6728 Szeged, Budapest út 10. Hungary • H-6701 Szeged, P. O. Box 152
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 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.tecnusomerga.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		

[illegible]

PHOENIX RUBBER
Industrial Ltd.
Hose Inspection and
Certification Dept.

VERIFIED TRUE COPY
PHOENIX RUBBER CO. S.

NOTES REGARDING BLOWOUT PREVENTERS

Devon Energy Production Company, LP

Trionyx 6 Federal 7H

Surface Location: 200' FSL & 685' FEL, Unit P, Sec 6 T25S R32E, Lea, NM

Bottom Hole Location: 330' FNL & 995' FEL, Unit A, 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

