

OCD-ARTESIA

Form 3160-3
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

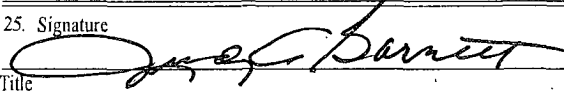
EA 11-115

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNM-036379; K-4562
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. NM 70928X
3a. Address 20 North Broadway Oklahoma City, Oklahoma City 73102-8260		8. Lease Name and Well No. Cotton Draw Unit 135H
3b. Phone No. (include area code) 405-228-8699		9. API Well No. 30-015-38533
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 200 FSL & 1600 FWL UNIT N PP: SEC 2 192 FSL & 1554 FWL At proposed prod. zone 2600 FSL & 986 FWL UNIT L SEC 35 T24S 31E		10. Field and Pool, or Exploratory Paduca; Upper Bone Spring
14. Distance in miles and direction from nearest town or post office* Approximately 21 miles east of Loving, NM.		11. Sec., T. R. M. or Blk. and Survey or Area SEC 2 T25S R31E
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 640 Acres	17. Spacing Unit dedicated to this well 240 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. See attached map.	19. Proposed Depth 16,641' MD 8980' TVD	20. BLM/BIA Bond No. on file CO-1104
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3420' 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 11/16/2010
Title Regulatory Analyst		
Approved by (Signature) /s/ Linda S. C. Rundell	Name (Printed/Typed) /s/ Linda S. C. Rundell	Date FEB 16 2011
Title STATE DIRECTOR	Office NM STATE 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.

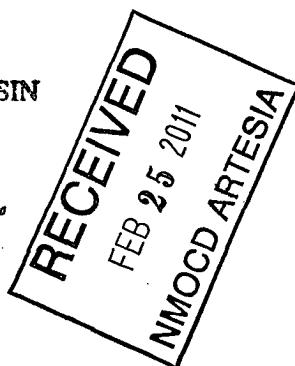
APPROVAL FOR TWO YEARS

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.

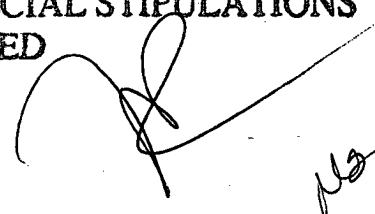
*(Instructions on page 2)

CARLSBAD CONTROLLED WATER BASIN

SEE ATTACHED FOR
CONDITIONS OF APPROVAL



APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED



DRILLING PROGRAM

Devon Energy Production Company, LP

Cotton Draw Unit 135H

Surface Location: 200' FSL & 1600' FWL, Unit N, Sec 2 T25S R31E, Eddy, NM

Bottom Hole Location: 2600' FSL & 986' FWL, Unit L, Sec 35 T24S R31E, Eddy, 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	596'	
b. Salado Salt	966'	
c. Base of Salt	4076'	
d. Lamar	4296'	
e. Bell Canyon	4322'	
f. Cherry Canyon	5321'	
g. Brushy Canyon	6586'	
h. Bone Spring	8267'	Oil
i. Total Depth	16,641'	

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 17 1/2" casing at ~~650'~~^{700'} and circulating cement back to surface. Fresh water sands will be protected by setting 9 5/8" casing at 4275' 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>
			<i>see coll</i>			
17 1/2"	0 - 650'	13 3/8"	0' - 650' ^{700'}	48#	ST&C	H-40
12 1/4"	650 -4275'	9 5/8"	0'-4275'	40#	LT&C	J-55
8 3/4"	4275-7900'	5 1/2"	0-7900'	20#	LT&C	HCP110
8 3/4"	7900-16641'	5 1/2"	7900-16,641'	17#	BTC	HCP110

Design Parameter Factors:

<u>Casing Size</u>	<u>Collapse Design</u>	<u>Burst Design</u>	<u>Tension Design</u>
	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
13 3/8"	2.53	5.69	10.32
9 5/8" 40#	1.16	1.78	3.04
5 1/2" 20#	2.02	2.88	1.60
5 1/2" 17#	1.77	2.53	3.67

Cement Program:

13 3/8"

See COA

Lead: 500 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: 1,200 sacks (35:65) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 107.8% Fresh Water, 12.5 ppg

Yield: 2.04 cf/sk **TOC @ surface**

Tail: 300 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 64.7% Water, 13.8 ppg **Yield:** 1.37 cf/sk

5 1/2" Production

1st Stage

Lead: 500 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: 2,500 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: 600 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

Tail: 100 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 **TOC @ 3,775'**

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.

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

Proposed Mud Circulation System

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc</u>	<u>Fluid Loss</u>	<u>Type System</u>
0' - 650' 700	8.4-9.0	30-34	NC	FW
650' - 4275'	9.8-10.0	28-32	NC	Brine
4275' - 16,641'	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.

3. 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 20" casing shoe until the 5 1/2" casing is cemented. Breathing equipment will be on location upon drilling the 20" shoe until total depth is reached.

4. Logging, Coring, and Testing Program:

- 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.

BLM Onshore Oil and Gas Management
RECEIVED

DEC 08 2010

Alameda Field Office
Alameda, NM

CDU 135M
Cotton Draw
Unit
OK

5. 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 4100 psi and Estimated BHT 140°. No H₂S is anticipated to be encountered.

6. 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

COTTON DRAW UNIT #135H

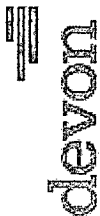
EDDY COUNTY, NM

WELL FILE: PLAN 1

NOVEMBER 1, 2010

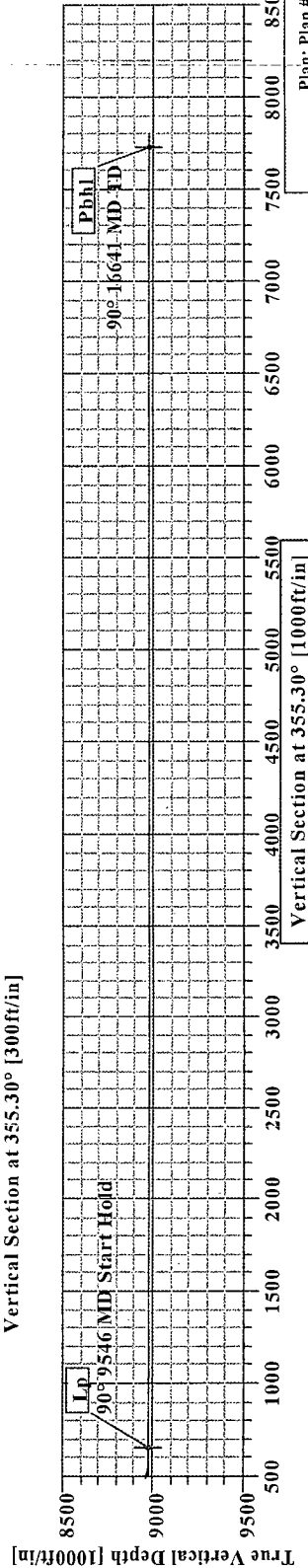
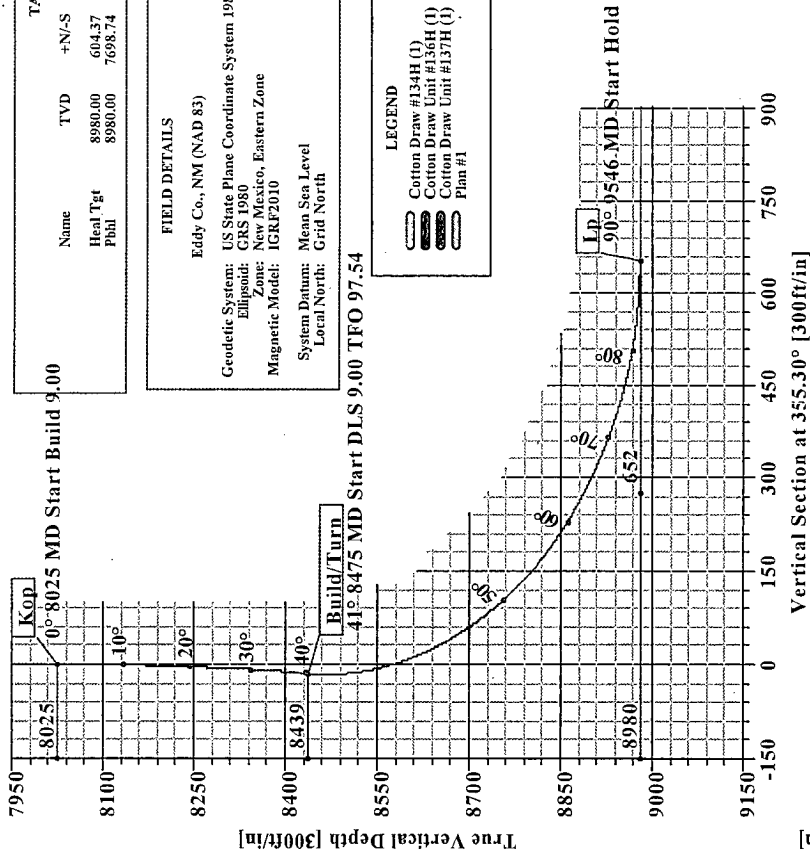
Weatherford International, Ltd.

P.O. Box 61028
Midland, TX 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com



Cotton Draw Unit #135H Eddy Co., NM

KB ELEV: 3446
GLELEV: 3421

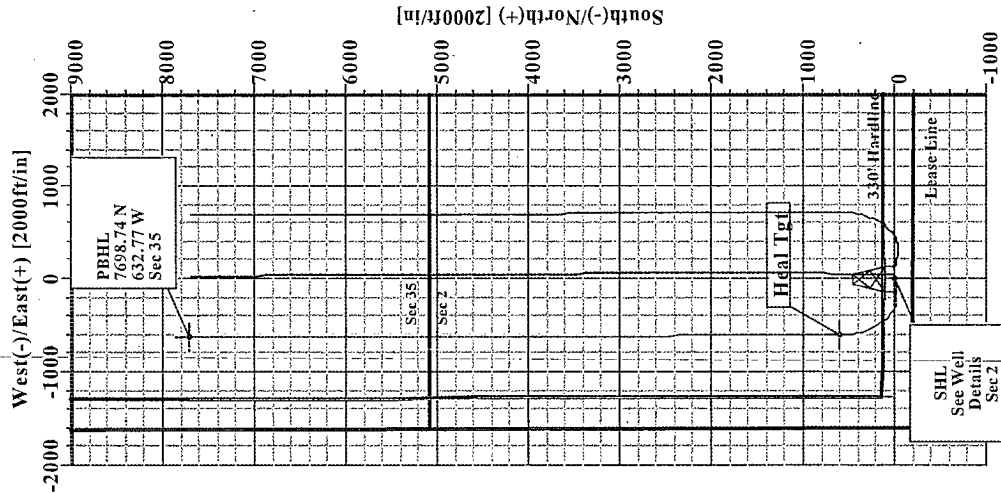
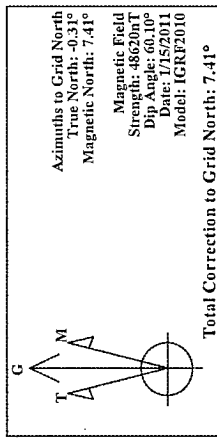


SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	8025.13	0.00	0.00	8025.13	0.00	0.00	0.00	0.00	0.00
3	8475.39	40.52	259.93	8438.78	-26.71	-150.35	9.00	259.93	-14.30
4	9546.48	90.00	359.80	8980.00	604.37	-608.30	9.00	97.54	Heal Tgt
5	16640.89	90.00	359.80	8980.00	7698.74	-632.77	0.00	0.00	Pbhl

WELL DETAILS					
Name	+N/-S	+E/-W	Northing	Easting	Latitude
Cotton Draw Unit #135H	0.00	0.00	419734.16	721236.80	32°09'09.325N
					103°45'07.326W
					N/A

TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
Heal Tgt	8980.00	604.37	-608.30	420338.53	720628.50
Pbhl	8980.00	7698.74	-632.77	427432.90	720604.03

FIELD DETAILS					
Eddy Co., NM (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					





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WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy	Date: 11/1/2010	Time: 11:42:15	Page: 1
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference:	Well: Cotton Draw Unit #135H, Grid North	
Site: Cotton Draw Unit #135H	Vertical (TVD) Reference:	SITE 3446.0	
Well: Cotton Draw Unit #135H	Section (VS) Reference:	Well (0.00N,0.00E,355.30Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Plan: Plan #1	Date Composed: 10/29/2010
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: Eddy Co., NM (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: Cotton Draw Unit #135H

Site Position:	Northing: 419734.16 ft	Latitude: 32 9 9.325 N
From: Map	Easting: 721236.80 ft	Longitude: 103 45 7.326 W
Position Uncertainty: 0.00 ft	North Reference: Grid	
Ground Level: 3421.00 ft	Grid Convergence: 0.31 deg	

Well: Cotton Draw Unit #135H	Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 419734.16 ft	Latitude: 32 9 9.325 N
+E/-W 0.00 ft	Easting: 721236.80 ft	Longitude: 103 45 7.326 W
Position Uncertainty: 0.00 ft		

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 1/15/2011	Above System Datum: Mean Sea Level		
Field Strength: 48620 nT	Declination: 7.72 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.10 deg		
ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	355.30

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	
8025.13	0.00	0.00	8025.13	0.00	0.00	0.00	0.00	0.00	0.00	
8475.39	40.52	259.93	8438.78	-26.71	-150.35	9.00	9.00	0.00	259.93	
9546.48	90.00	359.80	8980.00	604.37	-608.30	9.00	4.62	9.32	97.54	Heal Tgt
16640.89	90.00	359.80	8980.00	7698.74	-632.77	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
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00	419734.16	721236.80	
8025.13	0.00	0.00	8025.13	0.00	0.00	0.00	0.00	419734.16	721236.80	Kop
8100.00	6.74	259.93	8099.83	-0.77	-4.33	-0.41	9.00	419733.39	721232.47	
8200.00	15.74	259.93	8197.81	-4.17	-23.50	-2.24	9.00	419729.99	721213.30	
8300.00	24.74	259.93	8291.54	-10.22	-57.52	-5.47	9.00	419723.94	721179.28	
8400.00	33.74	259.93	8378.71	-18.75	-105.56	-10.04	9.00	419715.41	721131.24	
8475.39	40.52	259.93	8438.78	-26.71	-150.35	-14.30	9.00	419707.45	721086.45	Build/Turn
8500.00	40.28	263.32	8457.52	-29.03	-166.12	-15.32	9.00	419705.13	721070.68	
8600.00	40.34	277.26	8533.93	-28.70	-230.47	-9.72	9.00	419705.46	721006.33	
8700.00	42.03	290.70	8609.34	-12.75	-294.02	11.38	9.00	419721.41	720942.78	
8800.00	45.17	302.95	8681.88	18.44	-355.22	47.47	9.00	419752.60	720881.58	
8900.00	49.46	313.73	8749.77	64.08	-412.55	97.66	9.00	419798.24	720824.25	
9000.00	54.63	323.09	8811.34	123.07	-464.60	160.71	9.00	419857.23	720772.20	
9100.00	60.43	331.25	8865.07	193.94	-510.10	235.07	9.00	419928.10	720726.70	
9200.00	66.67	338.50	8909.64	274.95	-547.91	318.91	9.00	420009.11	720688.89	
9300.00	73.21	345.09	8943.95	364.11	-577.12	410.16	9.00	420098.27	720659.68	



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WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Cotton Draw Unit #135H
Well: Cotton Draw Unit #135H
Wellpath: 1

Date: 11/1/2010 Time: 11:42:15 Page: 2
Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0
Section (VS) Reference: Well (0.00N,0.00E,355.30Azi)
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
9400.00	79.95	351.22	8967.17	459.22	-596.99	506.58	9.00	420193.38	720639.81	
9500.00	86.80	357.10	8978.70	557.94	-607.05	605.79	9.00	420292.10	720629.75	
9546.48	90.00	359.80	8980.00	604.37	-608.30	652.17	9.00	420338.53	720628.50	Heal Tgt
9600.00	90.00	359.80	8980.00	657.89	-608.49	705.52	0.00	420392.05	720628.31	
9700.00	90.00	359.80	8980.00	757.89	-608.83	805.21	0.00	420492.05	720627.97	
9800.00	90.00	359.80	8980.00	857.89	-609.18	904.91	0.00	420592.05	720627.62	
9900.00	90.00	359.80	8980.00	957.89	-609.52	1004.60	0.00	420692.05	720627.28	
10000.00	90.00	359.80	8980.00	1057.89	-609.87	1104.29	0.00	420792.05	720626.93	
10100.00	90.00	359.80	8980.00	1157.89	-610.21	1203.98	0.00	420892.05	720626.59	
10200.00	90.00	359.80	8980.01	1257.89	-610.56	1303.67	0.00	420992.05	720626.24	
10300.00	90.00	359.80	8980.01	1357.89	-610.91	1403.36	0.00	421092.05	720625.89	
10400.00	90.00	359.80	8980.01	1457.88	-611.25	1503.06	0.00	421192.04	720625.55	
10500.00	90.00	359.80	8980.01	1557.88	-611.60	1602.75	0.00	421292.04	720625.20	
10600.00	90.00	359.80	8980.01	1657.88	-611.94	1702.44	0.00	421392.04	720624.86	
10700.00	90.00	359.80	8980.01	1757.88	-612.29	1802.13	0.00	421492.04	720624.51	
10800.00	90.00	359.80	8980.01	1857.88	-612.63	1901.82	0.00	421592.04	720624.17	
10900.00	90.00	359.80	8980.01	1957.88	-612.98	2001.51	0.00	421692.04	720623.82	
11000.00	90.00	359.80	8980.01	2057.88	-613.33	2101.21	0.00	421792.04	720623.47	
11100.00	90.00	359.80	8980.01	2157.88	-613.67	2200.90	0.00	421892.04	720623.13	
11200.00	90.00	359.80	8980.01	2257.88	-614.02	2300.59	0.00	421992.04	720622.78	
11300.00	90.00	359.80	8980.02	2357.88	-614.36	2400.28	0.00	422092.04	720622.44	
11400.00	90.00	359.80	8980.02	2457.88	-614.71	2499.97	0.00	422192.04	720622.09	
11500.00	90.00	359.80	8980.02	2557.88	-615.05	2599.66	0.00	422292.04	720621.75	
11600.00	90.00	359.80	8980.02	2657.88	-615.40	2699.36	0.00	422392.04	720621.40	
11700.00	90.00	359.80	8980.02	2757.88	-615.75	2799.05	0.00	422492.04	720621.05	
11800.00	90.00	359.80	8980.02	2857.88	-616.09	2898.74	0.00	422592.04	720620.71	
11900.00	90.00	359.80	8980.02	2957.88	-616.44	2998.43	0.00	422692.04	720620.36	
12000.00	90.00	359.80	8980.02	3057.88	-616.78	3098.12	0.00	422792.04	720620.02	
12100.00	90.00	359.80	8980.02	3157.87	-617.13	3197.81	0.00	422892.03	720619.67	
12200.00	90.00	359.80	8980.02	3257.87	-617.47	3297.51	0.00	422992.03	720619.33	
12300.00	90.00	359.80	8980.02	3357.87	-617.82	3397.20	0.00	423092.03	720618.98	
12400.00	90.00	359.80	8980.02	3457.87	-618.17	3496.89	0.00	423192.03	720618.63	
12500.00	90.00	359.80	8980.03	3557.87	-618.51	3596.58	0.00	423292.03	720618.29	
12600.00	90.00	359.80	8980.03	3657.87	-618.86	3696.27	0.00	423392.03	720617.94	
12700.00	90.00	359.80	8980.03	3757.87	-619.20	3795.96	0.00	423492.03	720617.60	
12800.00	90.00	359.80	8980.03	3857.87	-619.55	3895.66	0.00	423592.03	720617.25	
12900.00	90.00	359.80	8980.03	3957.87	-619.89	3995.35	0.00	423692.03	720616.91	
13000.00	90.00	359.80	8980.03	4057.87	-620.24	4095.04	0.00	423792.03	720616.56	
13100.00	90.00	359.80	8980.03	4157.87	-620.59	4194.73	0.00	423892.03	720616.21	
13200.00	90.00	359.80	8980.03	4257.87	-620.93	4294.42	0.00	423992.03	720615.87	
13300.00	90.00	359.80	8980.03	4357.87	-621.28	4394.11	0.00	424092.03	720615.52	
13400.00	90.00	359.80	8980.03	4457.87	-621.62	4493.81	0.00	424192.03	720615.18	
13500.00	90.00	359.80	8980.03	4557.87	-621.97	4593.50	0.00	424292.03	720614.83	
13600.00	90.00	359.80	8980.04	4657.87	-622.31	4693.19	0.00	424392.03	720614.49	
13700.00	90.00	359.80	8980.04	4757.86	-622.66	4792.88	0.00	424492.02	720614.14	
13800.00	90.00	359.80	8980.04	4857.86	-623.01	4892.57	0.00	424592.02	720613.79	
13900.00	90.00	359.80	8980.04	4957.86	-623.35	4992.26	0.00	424692.02	720613.45	
14000.00	90.00	359.80	8980.04	5057.86	-623.70	5091.96	0.00	424792.02	720613.10	
14100.00	90.00	359.80	8980.04	5157.86	-624.04	5191.65	0.00	424892.02	720612.76	
14200.00	90.00	359.80	8980.04	5257.86	-624.39	5291.34	0.00	424992.02	720612.41	
14300.00	90.00	359.80	8980.04	5357.86	-624.73	5391.03	0.00	425092.02	720612.07	
14400.00	90.00	359.80	8980.04	5457.86	-625.08	5490.72	0.00	425192.02	720611.72	
14500.00	90.00	359.80	8980.04	5557.86	-625.43	5590.41	0.00	425292.02	720611.37	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Cotton Draw Unit #135H
Well: Cotton Draw Unit #135H
Wellpath: 1

Date: 11/1/2010 Time: 11:42:15 Page: 3
Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0
Section (VS) Reference: Well (0.00N,0.00E,355.30Azi)
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
14600.00	90.00	359.80	8980.04	5657.86	-625.77	5690.11	0.00	425392.02	720611.03	
14700.00	90.00	359.80	8980.05	5757.86	-626.12	5789.80	0.00	425492.02	720610.68	
14800.00	90.00	359.80	8980.05	5857.86	-626.46	5889.49	0.00	425592.02	720610.34	
14900.00	90.00	359.80	8980.05	5957.86	-626.81	5989.18	0.00	425692.02	720609.99	
15000.00	90.00	359.80	8980.05	6057.86	-627.16	6088.87	0.00	425792.02	720609.64	
15100.00	90.00	359.80	8980.05	6157.86	-627.50	6188.56	0.00	425892.02	720609.30	
15200.00	90.00	359.80	8980.05	6257.86	-627.85	6288.26	0.00	425992.02	720608.95	
15300.00	90.00	359.80	8980.05	6357.86	-628.19	6387.95	0.00	426092.02	720608.61	
15400.00	90.00	359.80	8980.05	6457.85	-628.54	6487.64	0.00	426192.01	720608.26	
15500.00	90.00	359.80	8980.05	6557.85	-628.88	6587.33	0.00	426292.01	720607.92	
15600.00	90.00	359.80	8980.05	6657.85	-629.23	6687.02	0.00	426392.01	720607.57	
15700.00	90.00	359.80	8980.05	6757.85	-629.58	6786.71	0.00	426492.01	720607.22	
15800.00	90.00	359.80	8980.05	6857.85	-629.92	6886.41	0.00	426592.01	720606.88	
15900.00	90.00	359.80	8980.06	6957.85	-630.27	6986.10	0.00	426692.01	720606.53	
16000.00	90.00	359.80	8980.06	7057.85	-630.61	7085.79	0.00	426792.01	720606.19	
16100.00	90.00	359.80	8980.06	7157.85	-630.96	7185.48	0.00	426892.01	720605.84	
16200.00	90.00	359.80	8980.06	7257.85	-631.30	7285.17	0.00	426992.01	720605.50	
16300.00	90.00	359.80	8980.06	7357.85	-631.65	7384.86	0.00	427092.01	720605.15	
16400.00	90.00	359.80	8980.06	7457.85	-632.00	7484.56	0.00	427192.01	720604.80	
16500.00	90.00	359.80	8980.06	7557.85	-632.34	7584.25	0.00	427292.01	720604.46	
16600.00	90.00	359.80	8980.06	7657.85	-632.69	7683.94	0.00	427392.01	720604.11	
16640.89	90.00	359.80	8980.00	7698.74	-632.77	7724.70	0.00	427432.90	720604.03	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			8980.00	604.37	-608.30	420338.53	720628.50	32 9 15.338 N	103 45 14.364 W
Pbhl			8980.00	7698.74	-632.77	427432.90	720604.03	32 10 25.543 N	103 45 14.204 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
8025.13	8025.13	Kop
8475.39	8438.78	Build/Turn
9546.48	8980.00	Lp
16640.89	8980.06	Pbhl

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy Date: 11/1/2010 Time: 11:32:18 Page: 1
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Reference Well: Cotton Draw Unit #135H Vertical (TVD) Reference: SITE 3446.0
Reference Wellpath: 1 Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method: MD Interval: 30.00 ft
Depth Range: 0.00 to 16640.89 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: 10/29/2010
Version: 1
Principal: Yes Tied-to: From Surface

Summary

Site	Offset Wellpath	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
Cotton Draw #134H	Cotton Draw #134H	1 V0 Plan: Plan #1 V1	16640.89	16360.50	656.02	372.74	2.32	
Cotton Draw Unit #13	Cotton Draw Unit #131	V0 Plan: Plan #1 V1	8040.00	8040.00	50.17	14.32	1.40	Level 3

Site: Cotton Draw #134H
Well: Cotton Draw #134H
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	2.50	-2.50	0.00	0.00	270.42	9.26	-1269.99	1270.02			No Data
30.00	30.00	27.50	27.50	0.01	0.02	270.42	9.26	-1269.99	1270.02	1269.99	44100.89	
60.00	60.00	57.50	57.50	0.04	0.05	270.42	9.26	-1269.99	1270.02	1269.94	14465.09	
90.00	90.00	87.50	87.50	0.07	0.07	270.42	9.26	-1269.99	1270.02	1269.88	8651.37	
120.00	120.00	117.50	117.50	0.13	0.12	270.42	9.26	-1269.99	1270.02	1269.77	5022.60	
150.00	150.00	147.50	147.50	0.20	0.19	270.42	9.26	-1269.99	1270.02	1269.64	3275.61	
180.00	180.00	177.50	177.50	0.26	0.26	270.42	9.26	-1269.99	1270.02	1269.50	2430.29	
210.00	210.00	207.50	207.50	0.33	0.33	270.42	9.26	-1269.99	1270.02	1269.37	1931.77	
240.00	240.00	237.50	237.50	0.40	0.39	270.42	9.26	-1269.99	1270.02	1269.23	1602.96	
270.00	270.00	267.50	267.50	0.47	0.46	270.42	9.26	-1269.99	1270.02	1269.10	1369.80	
300.00	300.00	297.50	297.50	0.53	0.53	270.42	9.26	-1269.99	1270.02	1268.96	1195.86	
330.00	330.00	327.50	327.50	0.60	0.60	270.42	9.26	-1269.99	1270.02	1268.83	1061.11	
360.00	360.00	357.50	357.50	0.67	0.66	270.42	9.26	-1269.99	1270.02	1268.69	953.66	
390.00	390.00	387.50	387.50	0.74	0.73	270.42	9.26	-1269.99	1270.02	1268.56	865.97	
420.00	420.00	417.50	417.50	0.80	0.80	270.42	9.26	-1269.99	1270.02	1268.42	793.04	
450.00	450.00	447.50	447.50	0.87	0.87	270.42	9.26	-1269.99	1270.02	1268.29	731.45	
480.00	480.00	477.50	477.50	0.94	0.93	270.42	9.26	-1269.99	1270.02	1268.15	678.73	
510.00	510.00	507.50	507.50	1.01	1.00	270.42	9.26	-1269.99	1270.02	1268.02	633.10	
540.00	540.00	537.50	537.50	1.07	1.07	270.42	9.26	-1269.99	1270.02	1267.88	593.22	
570.00	570.00	567.50	567.50	1.14	1.14	270.42	9.26	-1269.99	1270.02	1267.75	558.07	
600.00	600.00	597.50	597.50	1.21	1.20	270.42	9.26	-1269.99	1270.02	1267.61	526.85	
630.00	630.00	627.50	627.50	1.28	1.27	270.42	9.26	-1269.99	1270.02	1267.48	498.93	
660.00	660.00	657.50	657.50	1.34	1.34	270.42	9.26	-1269.99	1270.02	1267.34	473.83	
690.00	690.00	687.50	687.50	1.41	1.40	270.42	9.26	-1269.99	1270.02	1267.21	451.13	
720.00	720.00	717.50	717.50	1.48	1.47	270.42	9.26	-1269.99	1270.02	1267.07	430.51	
750.00	750.00	747.50	747.50	1.55	1.54	270.42	9.26	-1269.99	1270.02	1266.94	411.69	
780.00	780.00	777.50	777.50	1.61	1.61	270.42	9.26	-1269.99	1270.02	1266.80	394.45	
810.00	810.00	807.50	807.50	1.68	1.67	270.42	9.26	-1269.99	1270.02	1266.67	378.59	
840.00	840.00	837.50	837.50	1.75	1.74	270.42	9.26	-1269.99	1270.02	1266.53	363.96	
870.00	870.00	867.50	867.50	1.81	1.81	270.42	9.26	-1269.99	1270.02	1266.40	350.41	
900.00	900.00	897.50	897.50	1.88	1.88	270.42	9.26	-1269.99	1270.02	1266.26	337.84	
930.00	930.00	927.50	927.50	1.95	1.94	270.42	9.26	-1269.99	1270.02	1266.13	326.14	
960.00	960.00	957.50	957.50	2.02	2.01	270.42	9.26	-1269.99	1270.02	1265.99	315.23	
990.00	990.00	987.50	987.50	2.08	2.08	270.42	9.26	-1269.99	1270.02	1265.86	305.02	
1020.00	1020.00	1017.50	1017.50	2.15	2.15	270.42	9.26	-1269.99	1270.02	1265.73	295.45	
1050.00	1050.00	1047.50	1047.50	2.22	2.21	270.42	9.26	-1269.99	1270.02	1265.59	286.46	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010 Time: 11:32:18 Page: 2
Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0
Db: Sybase

Site: Cotton Draw #134H
Well: Cotton Draw #134H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr		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		
1080.00	1080.00	1077.50	1077.50	2.29	2.28	270.42	9.26	-1269.99	1270.02	1265.46	278.00	
1110.00	1110.00	1107.50	1107.50	2.35	2.35	270.42	9.26	-1269.99	1270.02	1265.32	270.03	
1140.00	1140.00	1137.50	1137.50	2.42	2.42	270.42	9.26	-1269.99	1270.02	1265.19	262.51	
1170.00	1170.00	1167.50	1167.50	2.49	2.48	270.42	9.26	-1269.99	1270.02	1265.05	255.39	
1200.00	1200.00	1197.50	1197.50	2.56	2.55	270.42	9.26	-1269.99	1270.02	1264.92	248.64	
1230.00	1230.00	1227.50	1227.50	2.62	2.62	270.42	9.26	-1269.99	1270.02	1264.78	242.25	
1260.00	1260.00	1257.50	1257.50	2.69	2.69	270.42	9.26	-1269.99	1270.02	1264.65	236.17	
1290.00	1290.00	1287.50	1287.50	2.76	2.75	270.42	9.26	-1269.99	1270.02	1264.51	230.39	
1320.00	1320.00	1317.50	1317.50	2.83	2.82	270.42	9.26	-1269.99	1270.02	1264.38	224.89	
1350.00	1350.00	1347.50	1347.50	2.89	2.89	270.42	9.26	-1269.99	1270.02	1264.24	219.65	
1380.00	1380.00	1377.50	1377.50	2.96	2.96	270.42	9.26	-1269.99	1270.02	1264.11	214.64	
1410.00	1410.00	1407.50	1407.50	3.03	3.02	270.42	9.26	-1269.99	1270.02	1263.97	209.86	
1440.00	1440.00	1437.50	1437.50	3.10	3.09	270.42	9.26	-1269.99	1270.02	1263.84	205.28	
1470.00	1470.00	1467.50	1467.50	3.16	3.16	270.42	9.26	-1269.99	1270.02	1263.70	200.90	
1500.00	1500.00	1497.50	1497.50	3.23	3.23	270.42	9.26	-1269.99	1270.02	1263.57	196.71	
1530.00	1530.00	1527.50	1527.50	3.30	3.29	270.42	9.26	-1269.99	1270.02	1263.43	192.68	
1560.00	1560.00	1557.50	1557.50	3.37	3.36	270.42	9.26	-1269.99	1270.02	1263.30	188.82	
1590.00	1590.00	1587.50	1587.50	3.43	3.43	270.42	9.26	-1269.99	1270.02	1263.16	185.11	
1620.00	1620.00	1617.50	1617.50	3.50	3.50	270.42	9.26	-1269.99	1270.02	1263.03	181.54	
1650.00	1650.00	1647.50	1647.50	3.57	3.56	270.42	9.26	-1269.99	1270.02	1262.89	178.11	
1680.00	1680.00	1677.50	1677.50	3.64	3.63	270.42	9.26	-1269.99	1270.02	1262.76	174.80	
1710.00	1710.00	1707.50	1707.50	3.70	3.70	270.42	9.26	-1269.99	1270.02	1262.62	171.62	
1740.00	1740.00	1737.50	1737.50	3.77	3.76	270.42	9.26	-1269.99	1270.02	1262.49	168.54	
1770.00	1770.00	1767.50	1767.50	3.84	3.83	270.42	9.26	-1269.99	1270.02	1262.35	165.58	
1800.00	1800.00	1797.50	1797.50	3.91	3.90	270.42	9.26	-1269.99	1270.02	1262.22	162.72	
1830.00	1830.00	1827.50	1827.50	3.97	3.97	270.42	9.26	-1269.99	1270.02	1262.08	159.96	
1860.00	1860.00	1857.50	1857.50	4.04	4.03	270.42	9.26	-1269.99	1270.02	1261.95	157.28	
1890.00	1890.00	1887.50	1887.50	4.11	4.10	270.42	9.26	-1269.99	1270.02	1261.81	154.70	
1920.00	1920.00	1917.50	1917.50	4.18	4.17	270.42	9.26	-1269.99	1270.02	1261.68	152.20	
1950.00	1950.00	1947.50	1947.50	4.24	4.24	270.42	9.26	-1269.99	1270.02	1261.54	149.78	
1980.00	1980.00	1977.50	1977.50	4.31	4.30	270.42	9.26	-1269.99	1270.02	1261.41	147.43	
2010.00	2010.00	2007.50	2007.50	4.38	4.37	270.42	9.26	-1269.99	1270.02	1261.27	145.16	
2040.00	2040.00	2037.50	2037.50	4.44	4.44	270.42	9.26	-1269.99	1270.02	1261.14	142.96	
2070.00	2070.00	2067.50	2067.50	4.51	4.51	270.42	9.26	-1269.99	1270.02	1261.01	140.82	
2100.00	2100.00	2097.50	2097.50	4.58	4.57	270.42	9.26	-1269.99	1270.02	1260.87	138.75	
2130.00	2130.00	2127.50	2127.50	4.65	4.64	270.42	9.26	-1269.99	1270.02	1260.74	136.73	
2160.00	2160.00	2157.50	2157.50	4.71	4.71	270.42	9.26	-1269.99	1270.02	1260.60	134.77	
2190.00	2190.00	2187.50	2187.50	4.78	4.78	270.42	9.26	-1269.99	1270.02	1260.47	132.87	
2220.00	2220.00	2217.50	2217.50	4.85	4.84	270.42	9.26	-1269.99	1270.02	1260.33	131.02	
2250.00	2250.00	2247.50	2247.50	4.92	4.91	270.42	9.26	-1269.99	1270.02	1260.20	129.23	
2280.00	2280.00	2277.50	2277.50	4.98	4.98	270.42	9.26	-1269.99	1270.02	1260.06	127.48	
2310.00	2310.00	2307.50	2307.50	5.05	5.05	270.42	9.26	-1269.99	1270.02	1259.93	125.77	
2340.00	2340.00	2337.50	2337.50	5.12	5.11	270.42	9.26	-1269.99	1270.02	1259.79	124.12	
2370.00	2370.00	2367.50	2367.50	5.19	5.18	270.42	9.26	-1269.99	1270.02	1259.66	122.50	
2400.00	2400.00	2397.50	2397.50	5.25	5.25	270.42	9.26	-1269.99	1270.02	1259.52	120.93	
2430.00	2430.00	2427.50	2427.50	5.32	5.32	270.42	9.26	-1269.99	1270.02	1259.39	119.40	
2460.00	2460.00	2457.50	2457.50	5.39	5.38	270.42	9.26	-1269.99	1270.02	1259.25	117.90	
2490.00	2490.00	2487.50	2487.50	5.46	5.45	270.42	9.26	-1269.99	1270.02	1259.12	116.44	
2520.00	2520.00	2517.50	2517.50	5.52	5.52	270.42	9.26	-1269.99	1270.02	1258.98	115.02	
2550.00	2550.00	2547.50	2547.50	5.59	5.59	270.42	9.26	-1269.99	1270.02	1258.85	113.63	
2580.00	2580.00	2577.50	2577.50	5.66	5.65	270.42	9.26	-1269.99	1270.02	1258.71	112.28	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 3

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw #134H
Well: Cotton Draw #134H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East				
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
2610.00	2610.00	2607.50	2607.50	5.73	5.72	270.42	9.26	-1269.99	1270.02	1258.58	110.96	
2640.00	2640.00	2637.50	2637.50	5.79	5.79	270.42	9.26	-1269.99	1270.02	1258.44	109.66	
2670.00	2670.00	2667.50	2667.50	5.86	5.86	270.42	9.26	-1269.99	1270.02	1258.31	108.40	
2700.00	2700.00	2697.50	2697.50	5.93	5.92	270.42	9.26	-1269.99	1270.02	1258.17	107.17	
2730.00	2730.00	2727.50	2727.50	6.00	5.99	270.42	9.26	-1269.99	1270.02	1258.04	105.96	
2760.00	2760.00	2757.50	2757.50	6.06	6.06	270.42	9.26	-1269.99	1270.02	1257.90	104.78	
2790.00	2790.00	2787.50	2787.50	6.13	6.12	270.42	9.26	-1269.99	1270.02	1257.77	103.63	
2820.00	2820.00	2817.50	2817.50	6.20	6.19	270.42	9.26	-1269.99	1270.02	1257.63	102.50	
2850.00	2850.00	2847.50	2847.50	6.27	6.26	270.42	9.26	-1269.99	1270.02	1257.50	101.40	
2880.00	2880.00	2877.50	2877.50	6.33	6.33	270.42	9.26	-1269.99	1270.02	1257.36	100.32	
2910.00	2910.00	2907.50	2907.50	6.40	6.39	270.42	9.26	-1269.99	1270.02	1257.23	99.26	
2940.00	2940.00	2937.50	2937.50	6.47	6.46	270.42	9.26	-1269.99	1270.02	1257.09	98.23	
2970.00	2970.00	2967.50	2967.50	6.54	6.53	270.42	9.26	-1269.99	1270.02	1256.96	97.21	
3000.00	3000.00	2997.50	2997.50	6.60	6.60	270.42	9.26	-1269.99	1270.02	1256.82	96.22	
3030.00	3030.00	3027.50	3027.50	6.67	6.66	270.42	9.26	-1269.99	1270.02	1256.69	95.25	
3060.00	3060.00	3057.50	3057.50	6.74	6.73	270.42	9.26	-1269.99	1270.02	1256.55	94.29	
3090.00	3090.00	3087.50	3087.50	6.80	6.80	270.42	9.26	-1269.99	1270.02	1256.42	93.36	
3120.00	3120.00	3117.50	3117.50	6.87	6.87	270.42	9.26	-1269.99	1270.02	1256.28	92.44	
3150.00	3150.00	3147.50	3147.50	6.94	6.93	270.42	9.26	-1269.99	1270.02	1256.15	91.54	
3180.00	3180.00	3177.50	3177.50	7.01	7.00	270.42	9.26	-1269.99	1270.02	1256.02	90.66	
3210.00	3210.00	3207.50	3207.50	7.07	7.07	270.42	9.26	-1269.99	1270.02	1255.88	89.80	
3240.00	3240.00	3237.50	3237.50	7.14	7.14	270.42	9.26	-1269.99	1270.02	1255.75	88.95	
3270.00	3270.00	3267.50	3267.50	7.21	7.20	270.42	9.26	-1269.99	1270.02	1255.61	88.12	
3300.00	3300.00	3297.50	3297.50	7.28	7.27	270.42	9.26	-1269.99	1270.02	1255.48	87.30	
3330.00	3330.00	3327.50	3327.50	7.34	7.34	270.42	9.26	-1269.99	1270.02	1255.34	86.50	
3360.00	3360.00	3357.50	3357.50	7.41	7.41	270.42	9.26	-1269.99	1270.02	1255.21	85.71	
3390.00	3390.00	3387.50	3387.50	7.48	7.47	270.42	9.26	-1269.99	1270.02	1255.07	84.94	
3420.00	3420.00	3417.50	3417.50	7.55	7.54	270.42	9.26	-1269.99	1270.02	1254.94	84.18	
3450.00	3450.00	3447.50	3447.50	7.61	7.61	270.42	9.26	-1269.99	1270.02	1254.80	83.43	
3480.00	3480.00	3477.50	3477.50	7.68	7.68	270.42	9.26	-1269.99	1270.02	1254.67	82.70	
3510.00	3510.00	3507.50	3507.50	7.75	7.74	270.42	9.26	-1269.99	1270.02	1254.53	81.98	
3540.00	3540.00	3537.50	3537.50	7.82	7.81	270.42	9.26	-1269.99	1270.02	1254.40	81.27	
3570.00	3570.00	3567.50	3567.50	7.88	7.88	270.42	9.26	-1269.99	1270.02	1254.26	80.58	
3600.00	3600.00	3597.50	3597.50	7.95	7.95	270.42	9.26	-1269.99	1270.02	1254.13	79.89	
3630.00	3630.00	3627.50	3627.50	8.02	8.01	270.42	9.26	-1269.99	1270.02	1253.99	79.22	
3660.00	3660.00	3657.50	3657.50	8.09	8.08	270.42	9.26	-1269.99	1270.02	1253.86	78.56	
3690.00	3690.00	3687.50	3687.50	8.15	8.15	270.42	9.26	-1269.99	1270.02	1253.72	77.91	
3720.00	3720.00	3717.50	3717.50	8.22	8.22	270.42	9.26	-1269.99	1270.02	1253.59	77.27	
3750.00	3750.00	3747.50	3747.50	8.29	8.28	270.42	9.26	-1269.99	1270.02	1253.45	76.64	
3780.00	3780.00	3777.50	3777.50	8.36	8.35	270.42	9.26	-1269.99	1270.02	1253.32	76.02	
3810.00	3810.00	3807.50	3807.50	8.42	8.42	270.42	9.26	-1269.99	1270.02	1253.18	75.41	
3840.00	3840.00	3837.50	3837.50	8.49	8.48	270.42	9.26	-1269.99	1270.02	1253.05	74.82	
3870.00	3870.00	3867.50	3867.50	8.56	8.55	270.42	9.26	-1269.99	1270.02	1252.91	74.23	
3900.00	3900.00	3897.50	3897.50	8.63	8.62	270.42	9.26	-1269.99	1270.02	1252.78	73.65	
3930.00	3930.00	3927.50	3927.50	8.69	8.69	270.42	9.26	-1269.99	1270.02	1252.64	73.07	
3960.00	3960.00	3957.50	3957.50	8.76	8.75	270.42	9.26	-1269.99	1270.02	1252.51	72.51	
3990.00	3990.00	3987.50	3987.50	8.83	8.82	270.42	9.26	-1269.99	1270.02	1252.37	71.96	
4020.00	4020.00	4017.50	4017.50	8.90	8.89	270.42	9.26	-1269.99	1270.02	1252.24	71.41	
4050.00	4050.00	4047.50	4047.50	8.96	8.96	270.42	9.26	-1269.99	1270.02	1252.10	70.87	
4080.00	4080.00	4077.50	4077.50	9.03	9.02	270.42	9.26	-1269.99	1270.02	1251.97	70.34	
4110.00	4110.00	4107.50	4107.50	9.10	9.09	270.42	9.26	-1269.99	1270.02	1251.83	69.82	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 4

Co-ordinate(NF) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw #134H
Well: Cotton Draw #134H
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		
4140.00	4140.00	4137.50	4137.50	9.16	9.16	270.42	9.26	-1269.99	1270.02	1251.70	69.31	
4170.00	4170.00	4167.50	4167.50	9.23	9.23	270.42	9.26	-1269.99	1270.02	1251.56	68.80	
4200.00	4200.00	4197.50	4197.50	9.30	9.29	270.42	9.26	-1269.99	1270.02	1251.43	68.30	
4230.00	4230.00	4227.50	4227.50	9.37	9.36	270.42	9.26	-1269.99	1270.02	1251.30	67.81	
4260.00	4260.00	4257.50	4257.50	9.43	9.43	270.42	9.26	-1269.99	1270.02	1251.16	67.33	
4290.00	4290.00	4287.50	4287.50	9.50	9.50	270.42	9.26	-1269.99	1270.02	1251.03	66.85	
4320.00	4320.00	4317.50	4317.50	9.57	9.56	270.42	9.26	-1269.99	1270.02	1250.89	66.38	
4350.00	4350.00	4347.50	4347.50	9.64	9.63	270.42	9.26	-1269.99	1270.02	1250.76	65.91	
4380.00	4380.00	4377.50	4377.50	9.70	9.70	270.42	9.26	-1269.99	1270.02	1250.62	65.46	
4410.00	4410.00	4407.50	4407.50	9.77	9.77	270.42	9.26	-1269.99	1270.02	1250.49	65.00	
4440.00	4440.00	4437.50	4437.50	9.84	9.83	270.42	9.26	-1269.99	1270.02	1250.35	64.56	
4470.00	4470.00	4467.50	4467.50	9.91	9.90	270.42	9.26	-1269.99	1270.02	1250.22	64.12	
4500.00	4500.00	4497.50	4497.50	9.97	9.97	270.42	9.26	-1269.99	1270.02	1250.08	63.68	
4530.00	4530.00	4527.50	4527.50	10.04	10.04	270.42	9.26	-1269.99	1270.02	1249.95	63.26	
4560.00	4560.00	4557.50	4557.50	10.11	10.10	270.42	9.26	-1269.99	1270.02	1249.81	62.83	
4590.00	4590.00	4587.50	4587.50	10.18	10.17	270.42	9.26	-1269.99	1270.02	1249.68	62.42	
4620.00	4620.00	4617.50	4617.50	10.24	10.24	270.42	9.26	-1269.99	1270.02	1249.54	62.01	
4650.00	4650.00	4647.50	4647.50	10.31	10.31	270.42	9.26	-1269.99	1270.02	1249.41	61.60	
4680.00	4680.00	4677.50	4677.50	10.38	10.37	270.42	9.26	-1269.99	1270.02	1249.27	61.20	
4710.00	4710.00	4707.50	4707.50	10.45	10.44	270.42	9.26	-1269.99	1270.02	1249.14	60.81	
4740.00	4740.00	4737.50	4737.50	10.51	10.51	270.42	9.26	-1269.99	1270.02	1249.00	60.42	
4770.00	4770.00	4767.50	4767.50	10.58	10.58	270.42	9.26	-1269.99	1270.02	1248.87	60.03	
4800.00	4800.00	4797.50	4797.50	10.65	10.64	270.42	9.26	-1269.99	1270.02	1248.73	59.65	
4830.00	4830.00	4827.50	4827.50	10.72	10.71	270.42	9.26	-1269.99	1270.02	1248.60	59.28	
4860.00	4860.00	4857.50	4857.50	10.78	10.78	270.42	9.26	-1269.99	1270.02	1248.46	58.90	
4890.00	4890.00	4887.50	4887.50	10.85	10.84	270.42	9.26	-1269.99	1270.02	1248.33	58.54	
4920.00	4920.00	4917.50	4917.50	10.92	10.91	270.42	9.26	-1269.99	1270.02	1248.19	58.18	
4950.00	4950.00	4947.50	4947.50	10.99	10.98	270.42	9.26	-1269.99	1270.02	1248.06	57.82	
4980.00	4980.00	4977.50	4977.50	11.05	11.05	270.42	9.26	-1269.99	1270.02	1247.92	57.47	
5010.00	5010.00	5007.50	5007.50	11.12	11.11	270.42	9.26	-1269.99	1270.02	1247.79	57.12	
5040.00	5040.00	5037.50	5037.50	11.19	11.18	270.42	9.26	-1269.99	1270.02	1247.65	56.77	
5070.00	5070.00	5067.50	5067.50	11.26	11.25	270.42	9.26	-1269.99	1270.02	1247.52	56.43	
5100.00	5100.00	5097.50	5097.50	11.32	11.32	270.42	9.26	-1269.99	1270.02	1247.38	56.10	
5130.00	5130.00	5127.50	5127.50	11.39	11.38	270.42	9.26	-1269.99	1270.02	1247.25	55.77	
5160.00	5160.00	5157.50	5157.50	11.46	11.45	270.42	9.26	-1269.99	1270.02	1247.11	55.44	
5190.00	5190.00	5187.50	5187.50	11.52	11.52	270.42	9.26	-1269.99	1270.02	1246.98	55.11	
5220.00	5220.00	5217.50	5217.50	11.59	11.59	270.42	9.26	-1269.99	1270.02	1246.84	54.79	
5250.00	5250.00	5247.50	5247.50	11.66	11.65	270.42	9.26	-1269.99	1270.02	1246.71	54.48	
5280.00	5280.00	5277.50	5277.50	11.73	11.72	270.42	9.26	-1269.99	1270.02	1246.58	54.16	
5310.00	5310.00	5307.50	5307.50	11.79	11.79	270.42	9.26	-1269.99	1270.02	1246.44	53.85	
5340.00	5340.00	5337.50	5337.50	11.86	11.86	270.42	9.26	-1269.99	1270.02	1246.31	53.55	
5370.00	5370.00	5367.50	5367.50	11.93	11.92	270.42	9.26	-1269.99	1270.02	1246.17	53.24	
5400.00	5400.00	5397.50	5397.50	12.00	11.99	270.42	9.26	-1269.99	1270.02	1246.04	52.94	
5430.00	5430.00	5427.50	5427.50	12.06	12.06	270.42	9.26	-1269.99	1270.02	1245.90	52.65	
5460.00	5460.00	5457.50	5457.50	12.13	12.13	270.42	9.26	-1269.99	1270.02	1245.77	52.36	
5490.00	5490.00	5487.50	5487.50	12.20	12.19	270.42	9.26	-1269.99	1270.02	1245.63	52.07	
5520.00	5520.00	5517.50	5517.50	12.27	12.26	270.42	9.26	-1269.99	1270.02	1245.50	51.78	
5550.00	5550.00	5547.50	5547.50	12.33	12.33	270.42	9.26	-1269.99	1270.02	1245.36	51.50	
5580.00	5580.00	5577.50	5577.50	12.40	12.40	270.42	9.26	-1269.99	1270.02	1245.23	51.22	
5610.00	5610.00	5607.50	5607.50	12.47	12.46	270.42	9.26	-1269.99	1270.02	1245.09	50.94	
5640.00	5640.00	5637.50	5637.50	12.54	12.53	270.42	9.26	-1269.99	1270.02	1244.96	50.67	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010 Time: 11:32:18 Page: 5
Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw #134H
Well: Cotton Draw #134H
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	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East				
ft	ft	ft	ft	ft	ft	deg	ft	ft				
5670.00	5670.00	5667.50	5667.50	12.60	12.60	270.42	9.26	-1269.99	1270.02	1244.82	50.39	
5700.00	5700.00	5697.50	5697.50	12.67	12.67	270.42	9.26	-1269.99	1270.02	1244.69	50.13	
5730.00	5730.00	5727.50	5727.50	12.74	12.73	270.42	9.26	-1269.99	1270.02	1244.55	49.86	
5760.00	5760.00	5757.50	5757.50	12.81	12.80	270.42	9.26	-1269.99	1270.02	1244.42	49.60	
5790.00	5790.00	5787.50	5787.50	12.87	12.87	270.42	9.26	-1269.99	1270.02	1244.28	49.34	
5820.00	5820.00	5817.50	5817.50	12.94	12.94	270.42	9.26	-1269.99	1270.02	1244.15	49.08	
5850.00	5850.00	5847.50	5847.50	13.01	13.00	270.42	9.26	-1269.99	1270.02	1244.01	48.83	
5880.00	5880.00	5877.50	5877.50	13.08	13.07	270.42	9.26	-1269.99	1270.02	1243.88	48.57	
5910.00	5910.00	5907.50	5907.50	13.14	13.14	270.42	9.26	-1269.99	1270.02	1243.74	48.33	
5940.00	5940.00	5937.50	5937.50	13.21	13.21	270.42	9.26	-1269.99	1270.02	1243.61	48.08	
5970.00	5970.00	5967.50	5967.50	13.28	13.27	270.42	9.26	-1269.99	1270.02	1243.47	47.83	
6000.00	6000.00	5997.50	5997.50	13.35	13.34	270.42	9.26	-1269.99	1270.02	1243.34	47.59	
6030.00	6030.00	6027.50	6027.50	13.41	13.41	270.42	9.26	-1269.99	1270.02	1243.20	47.35	
6060.00	6060.00	6057.50	6057.50	13.48	13.47	270.42	9.26	-1269.99	1270.02	1243.07	47.12	
6090.00	6090.00	6087.50	6087.50	13.55	13.54	270.42	9.26	-1269.99	1270.02	1242.93	46.88	
6120.00	6120.00	6117.50	6117.50	13.62	13.61	270.42	9.26	-1269.99	1270.02	1242.80	46.65	
6150.00	6150.00	6147.50	6147.50	13.68	13.68	270.42	9.26	-1269.99	1270.02	1242.66	46.42	
6180.00	6180.00	6177.50	6177.50	13.75	13.74	270.42	9.26	-1269.99	1270.02	1242.53	46.19	
6210.00	6210.00	6207.50	6207.50	13.82	13.81	270.42	9.26	-1269.99	1270.02	1242.39	45.97	
6240.00	6240.00	6237.50	6237.50	13.88	13.88	270.42	9.26	-1269.99	1270.02	1242.26	45.74	
6270.00	6270.00	6267.50	6267.50	13.95	13.95	270.42	9.26	-1269.99	1270.02	1242.12	45.52	
6300.00	6300.00	6297.50	6297.50	14.02	14.01	270.42	9.26	-1269.99	1270.02	1241.99	45.30	
6330.00	6330.00	6327.50	6327.50	14.09	14.08	270.42	9.26	-1269.99	1270.02	1241.85	45.09	
6360.00	6360.00	6357.50	6357.50	14.15	14.15	270.42	9.26	-1269.99	1270.02	1241.72	44.87	
6390.00	6390.00	6387.50	6387.50	14.22	14.22	270.42	9.26	-1269.99	1270.02	1241.59	44.66	
6420.00	6420.00	6417.50	6417.50	14.29	14.28	270.42	9.26	-1269.99	1270.02	1241.45	44.45	
6450.00	6450.00	6447.50	6447.50	14.36	14.35	270.42	9.26	-1269.99	1270.02	1241.32	44.24	
6480.00	6480.00	6477.50	6477.50	14.42	14.42	270.42	9.26	-1269.99	1270.02	1241.18	44.03	
6510.00	6510.00	6507.50	6507.50	14.49	14.49	270.42	9.26	-1269.99	1270.02	1241.05	43.83	
6540.00	6540.00	6537.50	6537.50	14.56	14.55	270.42	9.26	-1269.99	1270.02	1240.91	43.62	
6570.00	6570.00	6567.50	6567.50	14.63	14.62	270.42	9.26	-1269.99	1270.02	1240.78	43.42	
6600.00	6600.00	6597.50	6597.50	14.69	14.69	270.42	9.26	-1269.99	1270.02	1240.64	43.22	
6630.00	6630.00	6627.50	6627.50	14.76	14.76	270.42	9.26	-1269.99	1270.02	1240.51	43.03	
6660.00	6660.00	6657.50	6657.50	14.83	14.82	270.42	9.26	-1269.99	1270.02	1240.37	42.83	
6690.00	6690.00	6687.50	6687.50	14.90	14.89	270.42	9.26	-1269.99	1270.02	1240.24	42.64	
6720.00	6720.00	6717.50	6717.50	14.96	14.96	270.42	9.26	-1269.99	1270.02	1240.10	42.44	
6750.00	6750.00	6747.50	6747.50	15.03	15.03	270.42	9.26	-1269.99	1270.02	1239.97	42.25	
6780.00	6780.00	6777.50	6777.50	15.10	15.09	270.42	9.26	-1269.99	1270.02	1239.83	42.07	
6810.00	6810.00	6807.50	6807.50	15.17	15.16	270.42	9.26	-1269.99	1270.02	1239.70	41.88	
6840.00	6840.00	6837.50	6837.50	15.23	15.23	270.42	9.26	-1269.99	1270.02	1239.56	41.69	
6870.00	6870.00	6867.50	6867.50	15.30	15.30	270.42	9.26	-1269.99	1270.02	1239.43	41.51	
6900.00	6900.00	6897.50	6897.50	15.37	15.36	270.42	9.26	-1269.99	1270.02	1239.29	41.33	
6930.00	6930.00	6927.50	6927.50	15.44	15.43	270.42	9.26	-1269.99	1270.02	1239.16	41.15	
6960.00	6960.00	6957.50	6957.50	15.50	15.50	270.42	9.26	-1269.99	1270.02	1239.02	40.97	
6990.00	6990.00	6987.50	6987.50	15.57	15.57	270.42	9.26	-1269.99	1270.02	1238.89	40.79	
7020.00	7020.00	7017.50	7017.50	15.64	15.63	270.42	9.26	-1269.99	1270.02	1238.75	40.61	
7050.00	7050.00	7047.50	7047.50	15.71	15.70	270.42	9.26	-1269.99	1270.02	1238.62	40.44	
7080.00	7080.00	7077.50	7077.50	15.77	15.77	270.42	9.26	-1269.99	1270.02	1238.48	40.27	
7110.00	7110.00	7107.50	7107.50	15.84	15.83	270.42	9.26	-1269.99	1270.02	1238.35	40.10	
7140.00	7140.00	7137.50	7137.50	15.91	15.90	270.42	9.26	-1269.99	1270.02	1238.21	39.93	
7170.00	7170.00	7167.50	7167.50	15.98	15.97	270.42	9.26	-1269.99	1270.02	1238.08	39.76	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010 Time: 11:32:18 Page: 6
Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0
Db: Sybase

Site: Cotton Draw #134H
Well: Cotton Draw #134H
Wellpath: 1 V0 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		
7200.00	7200.00	7197.50	7197.50	16.04	16.04	270.42	9.26	-1269.99	1270.02	1237.94	39.59	
7230.00	7230.00	7227.50	7227.50	16.11	16.10	270.42	9.26	-1269.99	1270.02	1237.81	39.42	
7260.00	7260.00	7257.50	7257.50	16.18	16.17	270.42	9.26	-1269.99	1270.02	1237.67	39.26	
7290.00	7290.00	7287.50	7287.50	16.24	16.24	270.42	9.26	-1269.99	1270.02	1237.54	39.10	
7320.00	7320.00	7317.50	7317.50	16.31	16.31	270.42	9.26	-1269.99	1270.02	1237.40	38.93	
7350.00	7350.00	7347.50	7347.50	16.38	16.37	270.42	9.26	-1269.99	1270.02	1237.27	38.77	
7380.00	7380.00	7377.50	7377.50	16.45	16.44	270.42	9.26	-1269.99	1270.02	1237.13	38.62	
7410.00	7410.00	7407.50	7407.50	16.51	16.51	270.42	9.26	-1269.99	1270.02	1237.00	38.46	
7440.00	7440.00	7437.50	7437.50	16.58	16.58	270.42	9.26	-1269.99	1270.02	1236.87	38.30	
7470.00	7470.00	7467.50	7467.50	16.65	16.64	270.42	9.26	-1269.99	1270.02	1236.73	38.15	
7500.00	7500.00	7497.50	7497.50	16.72	16.71	270.42	9.26	-1269.99	1270.02	1236.60	37.99	
7530.00	7530.00	7527.50	7527.50	16.78	16.78	270.42	9.26	-1269.99	1270.02	1236.46	37.84	
7560.00	7560.00	7557.50	7557.50	16.85	16.85	270.42	9.26	-1269.99	1270.02	1236.33	37.69	
7590.00	7590.00	7587.50	7587.50	16.92	16.91	270.42	9.26	-1269.99	1270.02	1236.19	37.54	
7620.00	7620.00	7617.50	7617.50	16.99	16.98	270.42	9.26	-1269.99	1270.02	1236.06	37.39	
7650.00	7650.00	7647.50	7647.50	17.05	17.05	270.42	9.26	-1269.99	1270.02	1235.92	37.24	
7680.00	7680.00	7677.50	7677.50	17.12	17.12	270.42	9.26	-1269.99	1270.02	1235.79	37.09	
7710.00	7710.00	7707.50	7707.50	17.19	17.18	270.42	9.26	-1269.99	1270.02	1235.65	36.95	
7740.00	7740.00	7737.50	7737.50	17.26	17.25	270.42	9.26	-1269.99	1270.02	1235.52	36.80	
7770.00	7770.00	7767.50	7767.50	17.32	17.32	270.42	9.26	-1269.99	1270.02	1235.38	36.66	
7800.00	7800.00	7797.50	7797.50	17.39	17.39	270.42	9.26	-1269.99	1270.02	1235.25	36.52	
7830.00	7830.00	7827.50	7827.50	17.46	17.45	270.42	9.26	-1269.99	1270.02	1235.11	36.38	
7860.00	7860.00	7857.50	7857.50	17.53	17.52	270.42	9.26	-1269.99	1270.02	1234.98	36.24	
7890.00	7890.00	7887.50	7887.50	17.59	17.59	270.42	9.26	-1269.99	1270.02	1234.84	36.10	
7920.00	7920.00	7917.50	7917.50	17.66	17.66	270.42	9.26	-1269.99	1270.02	1234.71	35.96	
7950.00	7950.00	7947.50	7947.50	17.73	17.72	270.42	9.26	-1269.99	1270.02	1234.57	35.82	
7980.00	7980.00	7977.50	7977.50	17.80	17.79	270.42	9.26	-1269.99	1270.02	1234.44	35.69	
8010.00	8010.00	8007.50	8007.50	17.86	17.86	270.42	9.26	-1269.99	1270.02	1234.30	35.55	
8040.00	8040.00	8037.50	8037.50	17.93	17.93	10.49	9.26	-1269.99	1269.85	1234.00	35.42	
8070.00	8069.96	8067.46	8067.46	17.99	17.99	10.53	9.26	-1269.99	1268.47	1232.52	35.29	
8100.00	8099.83	8097.33	8097.33	18.05	18.06	10.60	9.26	-1269.99	1265.70	1229.68	35.14	
8130.00	8129.53	8127.03	8127.03	18.11	18.13	10.70	9.26	-1269.99	1261.55	1225.49	34.99	
8160.00	8158.99	8156.49	8156.49	18.16	18.19	10.85	9.26	-1269.99	1256.03	1219.96	34.82	
8190.00	8188.16	8185.66	8185.66	18.23	18.26	11.03	9.26	-1269.99	1249.15	1213.10	34.64	
8220.00	8216.97	8214.47	8214.47	18.29	18.32	11.25	9.26	-1269.99	1240.94	1204.92	34.45	
8250.00	8245.35	8242.85	8242.85	18.35	18.39	11.52	9.26	-1269.99	1231.40	1195.44	34.25	
8280.00	8273.25	8270.55	8270.55	18.42	18.45	11.83	9.29	-1269.99	1220.56	1184.70	34.03	
8310.00	8300.59	8296.99	8296.98	18.49	18.51	12.24	10.03	-1269.99	1208.46	1172.71	33.81	
8340.00	8327.32	8322.59	8322.52	18.57	18.56	12.75	11.67	-1270.00	1195.14	1159.53	33.56	
8370.00	8353.38	8347.21	8347.02	18.65	18.62	13.37	14.11	-1270.00	1180.65	1145.19	33.30	
8400.00	8378.71	8370.76	8370.37	18.74	18.67	14.11	17.23	-1270.01	1165.02	1129.73	33.01	
8430.00	8403.25	8393.15	8392.45	18.84	18.72	14.97	20.91	-1270.02	1148.30	1113.19	32.71	
8460.00	8426.96	8414.31	8413.21	18.95	18.76	15.96	25.02	-1270.03	1130.55	1095.63	32.37	
8490.00	8449.90	8434.35	8432.74	19.07	18.81	14.20	29.47	-1270.04	1111.93	1077.10	31.93	
8520.00	8472.79	8454.20	8451.97	19.20	18.85	9.36	34.42	-1270.05	1093.14	1058.30	31.37	
8550.00	8495.74	8474.07	8471.06	19.32	18.89	4.47	39.90	-1270.06	1074.33	1039.44	30.80	
8580.00	8518.67	8493.97	8490.03	19.46	18.93	-0.45	45.93	-1270.08	1055.53	1020.58	30.20	
8610.00	8541.55	8513.94	8508.88	19.59	18.98	354.63	52.50	-1270.10	1036.76	1001.72	29.59	
8640.00	8564.32	8534.00	8527.63	19.72	19.02	349.75	59.62	-1270.11	1018.07	982.91	28.95	
8670.00	8586.93	8554.16	8546.27	19.85	19.07	344.94	67.32	-1270.13	999.48	964.16	28.30	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

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Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw #134H
Well: Cotton Draw #134H
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	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East				
ft	ft	ft	ft	ft	ft	deg	ft	ft				
8700.00	8609.34	8574.47	8564.82	19.97	19.11	340.22	75.59	-1270.15	981.02	945.52	27.64	
8730.00	8631.48	8594.93	8583.26	20.10	19.16	335.61	84.45	-1270.17	962.72	927.01	26.96	
8760.00	8653.32	8615.56	8601.59	20.23	19.21	331.14	93.92	-1270.20	944.64	908.68	26.27	
8790.00	8674.80	8636.40	8619.82	20.34	19.26	326.82	104.01	-1270.22	926.78	890.55	25.58	
8820.00	8695.88	8657.46	8637.93	20.46	19.32	322.66	114.75	-1270.25	909.20	872.67	24.88	
8850.00	8716.51	8678.75	8655.92	20.59	19.37	318.67	126.14	-1270.28	891.93	855.06	24.19	
8880.00	8736.64	8700.29	8673.77	20.71	19.43	314.84	138.20	-1270.31	875.01	837.79	23.51	
8910.00	8756.24	8722.11	8691.47	20.83	19.49	311.20	150.96	-1270.34	858.48	820.88	22.83	
8940.00	8775.24	8744.22	8709.00	20.95	19.56	307.73	164.44	-1270.37	842.36	804.37	22.17	
8970.00	8793.62	8766.64	8726.33	21.07	19.63	304.43	178.64	-1270.40	826.71	788.31	21.53	
9000.00	8811.34	8789.37	8743.45	21.19	19.70	301.31	193.60	-1270.44	811.56	772.75	20.91	
9030.00	8828.34	8812.44	8760.33	21.31	19.78	298.36	209.32	-1270.48	796.94	757.72	20.32	
9060.00	8844.61	8835.85	8776.94	21.43	19.87	295.57	225.82	-1270.52	782.91	743.26	19.75	
9090.00	8860.09	8859.62	8793.23	21.56	19.96	292.94	243.13	-1270.56	769.48	729.41	19.20	
9120.00	8874.75	8883.75	8809.18	21.68	20.06	290.47	261.24	-1270.61	756.72	716.22	18.69	
9150.00	8888.57	8908.26	8824.75	21.80	20.16	288.16	280.17	-1270.65	744.64	703.72	18.20	
9180.00	8901.52	8933.15	8839.88	21.92	20.28	285.99	299.93	-1270.70	733.28	691.95	17.74	
9210.00	8913.55	8958.42	8854.53	22.05	20.40	283.97	320.52	-1270.75	722.68	680.95	17.32	
9240.00	8924.65	8984.08	8868.66	22.17	20.53	282.10	341.94	-1270.80	712.87	670.74	16.92	
9270.00	8934.79	9010.13	8882.20	22.29	20.67	280.36	364.18	-1270.86	703.88	661.35	16.55	
9300.00	8943.95	9036.56	8895.11	22.41	20.82	278.76	387.24	-1270.91	695.73	652.83	16.22	
9330.00	8952.12	9063.36	8907.32	22.53	20.98	277.30	411.10	-1270.97	688.45	645.17	15.91	
9360.00	8959.26	9090.54	8918.79	22.64	21.15	275.97	435.74	-1271.03	682.06	638.42	15.63	
9390.00	8965.36	9118.07	8929.44	22.75	21.34	274.77	461.13	-1271.09	676.58	632.58	15.38	
9420.00	8970.42	9145.95	8939.22	22.87	21.53	273.71	487.23	-1271.16	672.03	627.68	15.15	
9450.00	8974.42	9174.16	8948.08	22.97	21.74	272.77	514.01	-1271.22	668.41	623.71	14.96	
9480.00	8977.35	9202.68	8955.95	23.08	21.96	271.97	541.42	-1271.29	665.73	620.70	14.78	
9510.00	8979.20	9231.48	8962.79	23.18	22.19	271.31	569.39	-1271.36	664.01	618.64	14.64	
9540.00	8979.97	9260.55	8968.55	23.28	22.43	270.78	597.88	-1271.43	663.23	617.54	14.51	
9570.00	8980.00	9289.90	8973.18	23.52	22.68	270.37	626.87	-1271.50	663.13	616.96	14.36	
9600.00	8980.00	9319.59	8976.66	23.79	22.95	270.07	656.35	-1271.57	663.09	616.38	14.19	
9630.00	8980.00	9349.52	8978.92	24.08	23.22	269.88	686.19	-1271.65	663.06	615.79	14.03	
9660.00	8980.00	9379.58	8979.94	24.38	23.50	269.79	716.24	-1271.72	663.03	615.18	13.86	
9690.00	8980.00	9409.62	8980.00	24.67	23.80	269.78	746.27	-1271.79	663.00	614.57	13.69	
9720.00	8980.00	9439.62	8980.00	24.98	24.11	269.78	776.27	-1271.87	662.97	613.92	13.52	
9750.00	8980.00	9469.62	8980.00	25.30	24.41	269.78	806.27	-1271.94	662.94	613.27	13.35	
9780.00	8980.00	9499.62	8980.00	25.62	24.72	269.78	836.27	-1272.01	662.91	612.61	13.18	
9810.00	8980.00	9529.62	8980.00	25.94	25.05	269.78	866.27	-1272.09	662.88	611.92	13.01	
9840.00	8980.00	9559.62	8980.00	26.29	25.39	269.78	896.27	-1272.16	662.85	611.21	12.84	
9870.00	8980.00	9589.62	8980.00	26.63	25.72	269.78	926.27	-1272.23	662.82	610.50	12.67	
9900.00	8980.00	9619.62	8980.00	26.97	26.07	269.78	956.27	-1272.31	662.79	609.78	12.50	
9930.00	8980.00	9649.62	8980.00	27.34	26.43	269.78	986.27	-1272.38	662.76	609.03	12.33	
9960.00	8980.00	9679.62	8980.00	27.70	26.78	269.78	1016.27	-1272.45	662.73	608.28	12.17	
9990.00	8980.00	9709.62	8980.00	28.07	27.15	269.78	1046.27	-1272.53	662.70	607.52	12.01	
10020.00	8980.00	9739.62	8980.00	28.45	27.52	269.78	1076.27	-1272.60	662.67	606.73	11.85	
10050.00	8980.00	9769.62	8980.00	28.83	27.90	269.78	1106.27	-1272.67	662.64	605.94	11.69	
10080.00	8980.00	9799.62	8980.00	29.21	28.28	269.78	1136.27	-1272.75	662.61	605.15	11.53	
10110.00	8980.00	9829.62	8980.00	29.60	28.67	269.78	1166.27	-1272.82	662.58	604.33	11.38	
10140.00	8980.01	9859.62	8980.00	30.00	29.07	269.78	1196.27	-1272.89	662.55	603.51	11.22	
10170.00	8980.01	9889.62	8980.00	30.40	29.46	269.78	1226.27	-1272.97	662.52	602.68	11.07	
10200.00	8980.01	9919.62	8980.00	30.81	29.87	269.78	1256.27	-1273.04	662.49	601.85	10.92	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy Date: 11/1/2010 Time: 11:32:18 Page: 8
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Reference Well: Cotton Draw Unit #135H Vertical (TVD) Reference: SITE 3446.0
Reference Wellpath: 1 Db: Sybase

Site: Cotton Draw #134H
Well: Cotton Draw #134H
Wellpath: 1 VO Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	TVD	Offset MD	TVD	Semi-Major Axis Ref	Offset	TFO-HS	North	East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
10230.00	8980.01	9949.62	8980.00	31.22	30.28	269.78	1286.27	-1273.11	662.46	600.99	10.78	
10260.00	8980.01	9979.62	8980.00	31.63	30.69	269.78	1316.27	-1273.19	662.43	600.13	10.63	
10290.00	8980.01	10009.62	8980.00	32.05	31.11	269.78	1346.27	-1273.26	662.40	599.27	10.49	
10320.00	8980.01	10039.62	8980.00	32.47	31.53	269.78	1376.27	-1273.33	662.36	598.39	10.35	
10350.00	8980.01	10069.62	8980.00	32.90	31.95	269.78	1406.27	-1273.41	662.33	597.51	10.22	
10380.00	8980.01	10099.62	8980.00	33.33	32.38	269.78	1436.27	-1273.48	662.30	596.63	10.08	
10410.00	8980.01	10129.62	8980.00	33.76	32.81	269.78	1466.27	-1273.55	662.27	595.73	9.95	
10440.00	8980.01	10159.62	8980.00	34.20	33.25	269.78	1496.27	-1273.63	662.24	594.83	9.82	
10470.00	8980.01	10189.62	8980.00	34.64	33.69	269.78	1526.27	-1273.70	662.21	593.92	9.70	
10500.00	8980.01	10219.62	8980.00	35.08	34.13	269.78	1556.27	-1273.77	662.18	593.01	9.57	
10530.00	8980.01	10249.62	8980.00	35.52	34.58	269.78	1586.26	-1273.85	662.15	592.08	9.45	
10560.00	8980.01	10279.62	8980.00	35.97	35.02	269.78	1616.26	-1273.92	662.12	591.16	9.33	
10590.00	8980.01	10309.62	8980.00	36.42	35.47	269.78	1646.26	-1273.99	662.09	590.23	9.21	
10620.00	8980.01	10339.62	8980.00	36.88	35.93	269.78	1676.26	-1274.07	662.06	589.29	9.10	
10650.00	8980.01	10369.62	8980.00	37.33	36.38	269.78	1706.26	-1274.14	662.03	588.34	8.98	
10680.00	8980.01	10399.62	8980.00	37.79	36.84	269.78	1736.26	-1274.21	662.00	587.40	8.87	
10710.00	8980.01	10429.62	8980.00	38.25	37.30	269.78	1766.26	-1274.29	661.97	586.45	8.77	
10740.00	8980.01	10459.61	8980.00	38.71	37.77	269.78	1796.26	-1274.36	661.94	585.49	8.66	
10770.00	8980.01	10489.61	8980.00	39.18	38.23	269.78	1826.26	-1274.43	661.91	584.53	8.55	
10800.00	8980.01	10519.61	8980.00	39.64	38.70	269.78	1856.26	-1274.51	661.88	583.57	8.45	
10830.00	8980.01	10549.61	8980.00	40.12	39.17	269.78	1886.26	-1274.58	661.85	582.59	8.35	
10860.00	8980.01	10579.61	8980.00	40.59	39.64	269.78	1916.26	-1274.65	661.82	581.62	8.25	
10890.00	8980.01	10609.61	8980.00	41.06	40.11	269.78	1946.26	-1274.73	661.79	580.64	8.16	
10920.00	8980.01	10639.61	8980.00	41.54	40.59	269.78	1976.26	-1274.80	661.76	579.66	8.06	
10950.00	8980.01	10669.61	8980.00	42.01	41.07	269.78	2006.26	-1274.87	661.73	578.68	7.97	
10980.00	8980.01	10699.61	8980.00	42.49	41.54	269.78	2036.26	-1274.95	661.70	577.69	7.88	
11010.00	8980.01	10729.61	8980.00	42.97	42.03	269.78	2066.26	-1275.02	661.67	576.70	7.79	
11040.00	8980.01	10759.61	8980.00	43.45	42.51	269.78	2096.26	-1275.09	661.64	575.70	7.70	
11070.00	8980.01	10789.61	8980.00	43.94	42.99	269.78	2126.26	-1275.17	661.61	574.70	7.61	
11100.00	8980.01	10819.61	8980.00	44.42	43.48	269.78	2156.26	-1275.24	661.57	573.70	7.53	
11130.00	8980.01	10849.61	8980.00	44.91	43.97	269.78	2186.26	-1275.31	661.54	572.70	7.45	
11160.00	8980.01	10879.61	8980.00	45.40	44.45	269.78	2216.26	-1275.39	661.51	571.69	7.36	
11190.00	8980.01	10909.61	8980.00	45.88	44.94	269.78	2246.26	-1275.46	661.48	570.68	7.29	
11220.00	8980.01	10939.61	8980.00	46.37	45.43	269.78	2276.26	-1275.53	661.45	569.67	7.21	
11250.00	8980.01	10969.61	8980.00	46.87	45.93	269.78	2306.26	-1275.61	661.42	568.66	7.13	
11280.00	8980.02	10999.61	8980.00	47.36	46.42	269.78	2336.26	-1275.68	661.39	567.64	7.05	
11310.00	8980.02	11029.61	8980.00	47.85	46.92	269.78	2366.26	-1275.75	661.36	566.62	6.98	
11340.00	8980.02	11059.61	8980.00	48.35	47.41	269.78	2396.26	-1275.83	661.33	565.60	6.91	
11370.00	8980.02	11089.61	8980.00	48.85	47.91	269.78	2426.26	-1275.90	661.30	564.57	6.84	
11400.00	8980.02	11119.61	8980.00	49.34	48.41	269.78	2456.26	-1275.97	661.27	563.55	6.77	
11430.00	8980.02	11149.61	8980.00	49.84	48.91	269.78	2486.26	-1276.05	661.24	562.52	6.70	
11460.00	8980.02	11179.61	8980.00	50.34	49.41	269.78	2516.26	-1276.12	661.21	561.49	6.63	
11490.00	8980.02	11209.61	8980.00	50.84	49.91	269.78	2546.26	-1276.19	661.18	560.46	6.56	
11520.00	8980.02	11239.61	8980.00	51.34	50.41	269.78	2576.26	-1276.27	661.15	559.42	6.50	
11550.00	8980.02	11269.61	8980.00	51.85	50.91	269.78	2606.26	-1276.34	661.12	558.38	6.44	
11580.00	8980.02	11299.61	8980.00	52.35	51.42	269.78	2636.26	-1276.41	661.09	557.35	6.37	
11610.00	8980.02	11329.61	8980.00	52.85	51.92	269.78	2666.26	-1276.49	661.06	556.31	6.31	
11640.00	8980.02	11359.61	8980.00	53.36	52.43	269.78	2696.26	-1276.56	661.03	555.26	6.25	
11670.00	8980.02	11389.61	8980.00	53.86	52.93	269.78	2726.26	-1276.63	661.00	554.22	6.19	
11700.00	8980.02	11419.61	8980.00	54.37	53.44	269.78	2756.26	-1276.71	660.97	553.18	6.13	
11730.00	8980.02	11449.61	8980.00	54.88	53.95	269.78	2786.26	-1276.78	660.94	552.13	6.07	



Weatherford International Ltd.

Anticollision Report

**Weatherford®**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 9

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw #134H
Well: Cotton Draw #134H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		Offset Location		TFO-HS	North	East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
MD	TVD	MD	TVD	Ref	Offset									
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft	ft	ft		
11760.00	8980.02	11479.61	8980.00	55.39	54.46	269.78	2816.26	-1276.85	660.91	551.08	6.02			
11790.00	8980.02	11509.61	8980.00	55.90	54.97	269.78	2846.26	-1276.93	660.88	550.03	5.96			
11820.00	8980.02	11539.61	8980.00	56.41	55.48	269.78	2876.26	-1277.00	660.85	548.98	5.91			
11850.00	8980.02	11569.61	8980.00	56.92	55.99	269.78	2906.26	-1277.07	660.82	547.93	5.85			
11880.00	8980.02	11599.61	8980.00	57.43	56.50	269.79	2936.26	-1277.15	660.79	546.88	5.80			
11910.00	8980.02	11629.61	8980.00	57.94	57.02	269.79	2966.26	-1277.22	660.75	545.82	5.75			
11940.00	8980.02	11659.61	8980.00	58.45	57.53	269.79	2996.26	-1277.29	660.72	544.76	5.70			
11970.00	8980.02	11689.61	8980.00	58.97	58.04	269.79	3026.26	-1277.37	660.69	543.71	5.65			
12000.00	8980.02	11719.61	8980.00	59.48	58.56	269.79	3056.26	-1277.44	660.66	542.65	5.60			
12030.00	8980.02	11749.61	8980.00	59.99	59.07	269.79	3086.26	-1277.51	660.63	541.59	5.55			
12060.00	8980.02	11779.61	8980.00	60.51	59.59	269.79	3116.26	-1277.59	660.60	540.53	5.50			
12090.00	8980.02	11809.61	8980.00	61.02	60.10	269.79	3146.26	-1277.66	660.57	539.46	5.45			
12120.00	8980.02	11839.61	8980.00	61.54	60.62	269.79	3176.26	-1277.73	660.54	538.40	5.41			
12150.00	8980.02	11869.61	8980.00	62.06	61.14	269.79	3206.26	-1277.81	660.51	537.34	5.36			
12180.00	8980.02	11899.61	8980.00	62.57	61.66	269.79	3236.26	-1277.88	660.48	536.27	5.32			
12210.00	8980.02	11929.61	8980.00	63.09	62.18	269.79	3266.26	-1277.95	660.45	535.20	5.27			
12240.00	8980.02	11959.61	8980.00	63.61	62.69	269.79	3296.26	-1278.03	660.42	534.14	5.23			
12270.00	8980.02	11989.61	8980.00	64.13	63.21	269.79	3326.26	-1278.10	660.39	533.07	5.19			
12300.00	8980.02	12019.61	8980.00	64.65	63.73	269.79	3356.26	-1278.17	660.36	532.00	5.14			
12330.00	8980.02	12049.61	8980.00	65.17	64.25	269.79	3386.26	-1278.25	660.33	530.93	5.10			
12360.00	8980.02	12079.61	8980.00	65.69	64.78	269.79	3416.26	-1278.32	660.30	529.85	5.06			
12390.00	8980.02	12109.61	8980.00	66.21	65.30	269.79	3446.26	-1278.39	660.27	528.78	5.02			
12420.00	8980.03	12139.61	8980.00	66.73	65.82	269.79	3476.26	-1278.47	660.24	527.71	4.98			
12450.00	8980.03	12169.61	8980.00	67.25	66.34	269.79	3506.26	-1278.54	660.21	526.63	4.94			
12480.00	8980.03	12199.61	8980.00	67.77	66.86	269.79	3536.26	-1278.61	660.18	525.56	4.90			
12510.00	8980.03	12229.61	8980.00	68.30	67.39	269.79	3566.26	-1278.69	660.15	524.48	4.87			
12540.00	8980.03	12259.61	8980.00	68.82	67.91	269.79	3596.26	-1278.76	660.12	523.41	4.83			
12570.00	8980.03	12289.61	8980.00	69.34	68.43	269.79	3626.26	-1278.83	660.09	522.33	4.79			
12600.00	8980.03	12319.61	8980.00	69.87	68.96	269.79	3656.26	-1278.91	660.06	521.25	4.76			
12630.00	8980.03	12349.61	8980.00	70.39	69.48	269.79	3686.26	-1278.98	660.03	520.17	4.72			
12660.00	8980.03	12379.61	8980.00	70.91	70.01	269.79	3716.26	-1279.05	660.00	519.09	4.68			
12690.00	8980.03	12409.61	8980.00	71.44	70.53	269.79	3746.26	-1279.13	659.97	518.01	4.65			
12720.00	8980.03	12439.61	8980.00	71.96	71.06	269.79	3776.26	-1279.20	659.93	516.93	4.61			
12750.00	8980.03	12469.61	8980.00	72.49	71.58	269.79	3806.26	-1279.27	659.90	515.85	4.58			
12780.00	8980.03	12499.61	8980.00	73.01	72.11	269.79	3836.26	-1279.35	659.87	514.77	4.55			
12810.00	8980.03	12529.61	8980.00	73.54	72.64	269.79	3866.26	-1279.42	659.84	513.69	4.51			
12840.00	8980.03	12559.61	8980.00	74.07	73.16	269.79	3896.26	-1279.49	659.81	512.60	4.48			
12870.00	8980.03	12589.61	8980.00	74.59	73.69	269.79	3926.26	-1279.57	659.78	511.52	4.45			
12900.00	8980.03	12619.61	8980.00	75.12	74.22	269.79	3956.26	-1279.64	659.75	510.43	4.42			
12930.00	8980.03	12649.61	8980.00	75.65	74.74	269.79	3986.26	-1279.71	659.72	509.35	4.39			
12960.00	8980.03	12679.61	8980.00	76.18	75.27	269.79	4016.26	-1279.79	659.69	508.26	4.36			
12990.00	8980.03	12709.61	8980.00	76.70	75.80	269.79	4046.26	-1279.86	659.66	507.18	4.33			
13020.00	8980.03	12739.61	8980.00	77.23	76.33	269.79	4076.26	-1279.93	659.63	506.09	4.30			
13050.00	8980.03	12769.61	8980.00	77.76	76.86	269.79	4106.26	-1280.01	659.60	505.00	4.27			
13080.00	8980.03	12799.61	8980.00	78.29	77.39	269.79	4136.26	-1280.08	659.57	503.91	4.24			
13110.00	8980.03	12829.61	8980.00	78.82	77.92	269.79	4166.26	-1280.15	659.54	502.82	4.21			
13140.00	8980.03	12859.61	8980.00	79.35	78.45	269.79	4196.26	-1280.23	659.51	501.73	4.18			
13170.00	8980.03	12889.61	8980.00	79.88	78.98	269.79	4226.26	-1280.30	659.48	500.64	4.15			
13200.00	8980.03	12919.61	8980.00	80.40	79.51	269.79	4256.26	-1280.37	659.45	499.55	4.12			
13230.00	8980.03	12949.61	8980.00	80.93	80.04	269.79	4286.26	-1280.45	659.42	498.46	4.10			
13260.00	8980.03	12979.61	8980.00	81.46	80.57	269.79	4316.26	-1280.52	659.39	497.37	4.07			



Weatherford International Ltd.

Anticollision Report



Weatherford®

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 10

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw #134H
Well: Cotton Draw #134H
Wellpath: 1 VO 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				
13290.00	8980.03	13009.61	8980.00	82.00	81.10	269.79	4346.26	-1280.59		659.36		496.28		4.04		
13320.00	8980.03	13039.61	8980.00	82.53	81.63	269.79	4376.26	-1280.67		659.33		495.19		4.02		
13350.00	8980.03	13069.61	8980.00	83.06	82.16	269.79	4406.26	-1280.74		659.30		494.10		3.99		
13380.00	8980.03	13099.61	8980.00	83.59	82.69	269.79	4436.25	-1280.81		659.27		493.00		3.97		
13410.00	8980.03	13129.61	8980.00	84.12	83.22	269.79	4466.25	-1280.89		659.24		491.91		3.94		
13440.00	8980.03	13159.61	8980.00	84.65	83.76	269.79	4496.25	-1280.96		659.21		490.82		3.91		
13470.00	8980.03	13189.61	8980.00	85.18	84.29	269.79	4526.25	-1281.03		659.18		489.72		3.89		
13500.00	8980.03	13219.61	8980.00	85.71	84.82	269.79	4556.25	-1281.11		659.15		488.63		3.87		
13530.00	8980.03	13249.61	8980.00	86.25	85.35	269.79	4586.25	-1281.18		659.11		487.53		3.84		
13560.00	8980.04	13279.61	8980.00	86.78	85.89	269.79	4616.25	-1281.25		659.08		486.44		3.82		
13590.00	8980.04	13309.61	8980.00	87.31	86.42	269.79	4646.25	-1281.33		659.05		485.34		3.79		
13620.00	8980.04	13339.61	8980.00	87.84	86.95	269.79	4676.25	-1281.40		659.02		484.24		3.77		
13650.00	8980.04	13369.61	8980.00	88.38	87.49	269.79	4706.25	-1281.47		658.99		483.15		3.75		
13680.00	8980.04	13399.61	8980.00	88.91	88.02	269.79	4736.25	-1281.55		658.96		482.05		3.72		
13710.00	8980.04	13429.61	8980.00	89.44	88.55	269.79	4766.25	-1281.62		658.93		480.95		3.70		
13740.00	8980.04	13459.61	8980.00	89.98	89.09	269.79	4796.25	-1281.69		658.90		479.86		3.68		
13770.00	8980.04	13489.61	8980.00	90.51	89.62	269.79	4826.25	-1281.77		658.87		478.76		3.66		
13800.00	8980.04	13519.61	8980.00	91.04	90.15	269.79	4856.25	-1281.84		658.84		477.66		3.64		
13830.00	8980.04	13549.61	8980.00	91.58	90.69	269.79	4886.25	-1281.91		658.81		476.56		3.61		
13860.00	8980.04	13579.61	8980.00	92.11	91.22	269.79	4916.25	-1281.99		658.78		475.46		3.59		
13890.00	8980.04	13609.61	8980.00	92.65	91.76	269.79	4946.25	-1282.06		658.75		474.36		3.57		
13920.00	8980.04	13639.61	8980.00	93.18	92.29	269.79	4976.25	-1282.13		658.72		473.26		3.55		
13950.00	8980.04	13669.61	8980.00	93.71	92.83	269.79	5006.25	-1282.21		658.69		472.16		3.53		
13980.00	8980.04	13699.61	8980.00	94.25	93.36	269.79	5036.25	-1282.28		658.66		471.06		3.51		
14010.00	8980.04	13729.61	8980.00	94.78	93.90	269.79	5066.25	-1282.35		658.63		469.96		3.49		
14040.00	8980.04	13759.61	8980.00	95.32	94.43	269.79	5096.25	-1282.43		658.60		468.86		3.47		
14070.00	8980.04	13789.61	8980.00	95.85	94.97	269.79	5126.25	-1282.50		658.57		467.76		3.45		
14100.00	8980.04	13819.61	8980.00	96.39	95.50	269.79	5156.25	-1282.57		658.54		466.66		3.43		
14130.00	8980.04	13849.61	8980.00	96.93	96.04	269.79	5186.25	-1282.65		658.51		465.56		3.41		
14160.00	8980.04	13879.61	8980.00	97.46	96.58	269.79	5216.25	-1282.72		658.48		464.45		3.39		
14190.00	8980.04	13909.61	8980.00	98.00	97.11	269.79	5246.25	-1282.79		658.45		463.35		3.38		
14220.00	8980.04	13939.61	8980.00	98.53	97.65	269.79	5276.25	-1282.87		658.42		462.25		3.36		
14250.00	8980.04	13969.61	8980.00	99.07	98.18	269.79	5306.25	-1282.94		658.39		461.15		3.34		
14280.00	8980.04	13999.61	8980.00	99.60	98.72	269.79	5336.25	-1283.01		658.36		460.04		3.32		
14310.00	8980.04	14029.61	8980.00	100.14	99.26	269.79	5366.25	-1283.09		658.33		458.94		3.30		
14340.00	8980.04	14059.61	8980.00	100.68	99.79	269.79	5396.25	-1283.16		658.29		457.84		3.28		
14370.00	8980.04	14089.61	8980.00	101.21	100.33	269.79	5426.25	-1283.23		658.26		456.73		3.27		
14400.00	8980.04	14119.61	8980.00	101.75	100.87	269.79	5456.25	-1283.31		658.23		455.63		3.25		
14430.00	8980.04	14149.61	8980.00	102.29	101.41	269.79	5486.25	-1283.38		658.20		454.52		3.23		
14460.00	8980.04	14179.61	8980.00	102.82	101.94	269.79	5516.25	-1283.45		658.17		453.42		3.21		
14490.00	8980.04	14209.61	8980.00	103.36	102.48	269.79	5546.25	-1283.53		658.14		452.32		3.20		
14520.00	8980.04	14239.61	8980.00	103.90	103.02	269.79	5576.25	-1283.60		658.11		451.21		3.18		
14550.00	8980.04	14269.61	8980.00	104.44	103.56	269.79	5606.25	-1283.67		658.08		450.11		3.16		
14580.00	8980.04	14299.61	8980.00	104.97	104.09	269.79	5636.25	-1283.75		658.05		449.00		3.15		
14610.00	8980.04	14329.61	8980.00	105.51	104.63	269.79	5666.25	-1283.82		658.02		447.89		3.13		
14640.00	8980.04	14359.61	8980.00	106.05	105.17	269.79	5696.25	-1283.89		657.99		446.79		3.12		
14670.00	8980.04	14389.61	8980.00	106.59	105.71	269.79	5726.25	-1283.97		657.96		445.68		3.10		
14700.00	8980.05	14419.61	8980.00	107.12	106.24	269.79	5756.25	-1284.04		657.93		444.58		3.08		
14730.00	8980.05	14449.61	8980.00	107.66	106.78	269.79	5786.25	-1284.11		657.90		443.47		3.07		
14760.00	8980.05	14479.61	8980.00	108.20	107.32	269.79	5816.25	-1284.19		657.87		442.36		3.05		
14790.00	8980.05	14509.61	8980.00	108.74	107.86	269.79	5846.25	-1284.26		657.84		441.26		3.04		



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 11

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw #134H
Well: Cotton Draw #134H
Wellpath: 1 VO Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	TVD	Offset MD	TVD	Semi-Major Axis Ref	Offset	TFO-HS	Offset Location North	East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
14820.00	8980.05	14539.61	8980.00	109.28	108.40	269.79	5876.25	-1284.33	657.81	440.15	3.02	
14850.00	8980.05	14569.61	8980.00	109.81	108.94	269.79	5906.25	-1284.41	657.78	439.04	3.01	
14880.00	8980.05	14599.61	8980.00	110.35	109.47	269.79	5936.25	-1284.48	657.75	437.93	2.99	
14910.00	8980.05	14629.61	8980.00	110.89	110.01	269.79	5966.25	-1284.55	657.72	436.83	2.98	
14940.00	8980.05	14659.61	8980.00	111.43	110.55	269.79	5996.25	-1284.63	657.69	435.72	2.96	
14970.00	8980.05	14689.61	8980.00	111.97	111.09	269.79	6026.25	-1284.70	657.66	434.61	2.95	
15000.00	8980.05	14719.61	8980.00	112.51	111.63	269.79	6056.25	-1284.78	657.63	433.50	2.93	
15030.00	8980.05	14749.61	8980.00	113.05	112.17	269.79	6086.25	-1284.85	657.60	432.39	2.92	
15060.00	8980.05	14779.61	8980.00	113.58	112.71	269.79	6116.25	-1284.92	657.57	431.29	2.91	
15090.00	8980.05	14809.61	8980.00	114.12	113.25	269.79	6146.25	-1285.00	657.54	430.18	2.89	
15120.00	8980.05	14839.61	8980.00	114.66	113.79	269.79	6176.25	-1285.07	657.51	429.07	2.88	
15150.00	8980.05	14869.61	8980.00	115.20	114.33	269.79	6206.25	-1285.14	657.47	427.96	2.86	
15180.00	8980.05	14899.61	8980.00	115.74	114.87	269.79	6236.25	-1285.22	657.44	426.85	2.85	
15210.00	8980.05	14929.61	8980.00	116.28	115.41	269.79	6266.25	-1285.29	657.41	425.74	2.84	
15240.00	8980.05	14959.61	8980.00	116.82	115.95	269.79	6296.25	-1285.36	657.38	424.63	2.82	
15270.00	8980.05	14989.61	8980.00	117.36	116.49	269.79	6326.25	-1285.44	657.35	423.52	2.81	
15300.00	8980.05	15019.61	8980.00	117.90	117.02	269.79	6356.25	-1285.51	657.32	422.41	2.80	
15330.00	8980.05	15049.61	8980.00	118.44	117.56	269.79	6386.25	-1285.58	657.29	421.30	2.79	
15360.00	8980.05	15079.61	8980.00	118.98	118.10	269.79	6416.25	-1285.66	657.26	420.19	2.77	
15390.00	8980.05	15109.61	8980.00	119.52	118.64	269.79	6446.25	-1285.73	657.23	419.08	2.76	
15420.00	8980.05	15139.61	8980.00	120.06	119.19	269.79	6476.25	-1285.80	657.20	417.97	2.75	
15450.00	8980.05	15169.61	8980.00	120.60	119.73	269.79	6506.25	-1285.88	657.17	416.86	2.73	
15480.00	8980.05	15199.61	8980.00	121.14	120.27	269.79	6536.25	-1285.95	657.14	415.75	2.72	
15510.00	8980.05	15229.61	8980.00	121.68	120.81	269.79	6566.25	-1286.02	657.11	414.64	2.71	
15540.00	8980.05	15259.61	8980.00	122.22	121.35	269.79	6596.25	-1286.10	657.08	413.53	2.70	
15570.00	8980.05	15289.61	8980.00	122.76	121.89	269.79	6626.25	-1286.17	657.05	412.42	2.69	
15600.00	8980.05	15319.61	8980.00	123.30	122.43	269.79	6656.25	-1286.24	657.02	411.31	2.67	
15630.00	8980.05	15349.61	8980.00	123.84	122.97	269.79	6686.25	-1286.32	656.99	410.19	2.66	
15660.00	8980.05	15379.61	8980.00	124.38	123.51	269.79	6716.25	-1286.39	656.96	409.08	2.65	
15690.00	8980.05	15409.61	8980.00	124.92	124.05	269.79	6746.25	-1286.46	656.93	407.97	2.64	
15720.00	8980.05	15439.61	8980.00	125.46	124.59	269.79	6776.25	-1286.54	656.90	406.86	2.63	
15750.00	8980.05	15469.61	8980.00	126.00	125.13	269.79	6806.25	-1286.61	656.87	405.75	2.62	
15780.00	8980.05	15499.61	8980.00	126.54	125.67	269.79	6836.25	-1286.68	656.84	404.64	2.60	
15810.00	8980.05	15529.61	8980.00	127.08	126.21	269.79	6866.25	-1286.76	656.81	403.52	2.59	
15840.00	8980.06	15559.61	8980.00	127.62	126.75	269.79	6896.25	-1286.83	656.78	402.41	2.58	
15870.00	8980.06	15589.61	8980.00	128.16	127.29	269.79	6926.25	-1286.90	656.75	401.30	2.57	
15900.00	8980.06	15619.61	8980.00	128.71	127.84	269.79	6956.25	-1286.98	656.72	400.19	2.56	
15930.00	8980.06	15649.61	8980.00	129.25	128.38	269.79	6986.25	-1287.05	656.68	399.07	2.55	
15960.00	8980.06	15679.61	8980.00	129.79	128.92	269.79	7016.25	-1287.12	656.65	397.96	2.54	
15990.00	8980.06	15709.61	8980.00	130.33	129.46	269.79	7046.25	-1287.20	656.62	396.85	2.53	
16020.00	8980.06	15739.61	8980.00	130.87	130.00	269.79	7076.25	-1287.27	656.59	395.73	2.52	
16050.00	8980.06	15769.61	8980.00	131.41	130.54	269.79	7106.25	-1287.34	656.56	394.62	2.51	
16080.00	8980.06	15799.61	8980.00	131.95	131.08	269.79	7136.25	-1287.42	656.53	393.51	2.50	
16110.00	8980.06	15829.61	8980.00	132.49	131.63	269.79	7166.25	-1287.49	656.50	392.40	2.49	
16140.00	8980.06	15859.61	8980.00	133.04	132.17	269.79	7196.25	-1287.56	656.47	391.28	2.48	
16170.00	8980.06	15889.61	8980.00	133.58	132.71	269.79	7226.25	-1287.64	656.44	390.17	2.47	
16200.00	8980.06	15919.61	8980.00	134.12	133.25	269.79	7256.25	-1287.71	656.41	389.05	2.46	
16230.00	8980.06	15949.61	8980.00	134.66	133.79	269.79	7286.25	-1287.78	656.38	387.94	2.45	
16260.00	8980.06	15979.61	8980.00	135.20	134.33	269.79	7316.25	-1287.86	656.35	386.83	2.44	
16290.00	8980.06	16009.61	8980.00	135.74	134.88	269.79	7346.25	-1287.93	656.32	385.71	2.43	
16320.00	8980.06	16039.61	8980.00	136.28	135.42	269.79	7376.25	-1288.00	656.29	384.60	2.42	



Weatherford International Ltd.

Anticollision Report



Weatherford

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010 Time: 11:32:18 Page: 12
Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw #134H
Well: Cotton Draw #134H
Wellpath: 1 VO 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		
16350.00	8980.06	16069.61	8980.00	136.83	135.96	269.79	7406.24	-1288.08	656.26	383.49	2.41	
16380.00	8980.06	16099.61	8980.00	137.37	136.50	269.79	7436.24	-1288.15	656.23	382.37	2.40	
16410.00	8980.06	16129.61	8980.00	137.91	137.04	269.79	7466.24	-1288.22	656.20	381.26	2.39	
16440.00	8980.06	16159.61	8980.00	138.45	137.59	269.79	7496.24	-1288.30	656.17	380.14	2.38	
16470.00	8980.06	16189.61	8980.00	138.99	138.13	269.79	7526.24	-1288.37	656.14	379.03	2.37	
16500.00	8980.06	16219.61	8980.00	139.54	138.67	269.79	7556.24	-1288.44	656.11	377.91	2.36	
16530.00	8980.06	16249.61	8980.00	140.08	139.21	269.79	7586.24	-1288.52	656.08	376.80	2.35	
16560.00	8980.06	16279.61	8980.00	140.62	139.75	269.79	7616.24	-1288.59	656.05	375.68	2.34	
16590.00	8980.06	16309.61	8980.00	141.16	140.30	269.79	7646.24	-1288.66	656.02	374.57	2.33	
16620.00	8980.06	16339.61	8980.00	141.70	140.84	269.79	7676.24	-1288.74	655.99	373.45	2.32	
16640.89	8980.00	16360.50	8980.00	142.08	141.22	269.78	7697.14	-1288.79	656.02	372.74	2.32	

Site: Cotton Draw Unit #136H
Well: Cotton Draw Unit #136H
Wellpath: 1 VO 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		
0.00	0.00	0.00	0.00	0.00	0.00	90.50	-0.44	50.00	50.00			No Data
30.00	30.00	30.00	30.00	0.01	0.03	90.50	-0.44	50.00	50.00	49.97	1617.91	
60.00	60.00	60.00	60.00	0.04	0.05	90.50	-0.44	50.00	50.00	49.91	556.16	
90.00	90.00	90.00	90.00	0.07	0.08	90.50	-0.44	50.00	50.00	49.85	335.79	
120.00	120.00	120.00	120.00	0.13	0.13	90.50	-0.44	50.00	50.00	49.74	193.45	
150.00	150.00	150.00	150.00	0.20	0.20	90.50	-0.44	50.00	50.00	49.61	127.12	
180.00	180.00	180.00	180.00	0.26	0.26	90.50	-0.44	50.00	50.00	49.47	94.66	
210.00	210.00	210.00	210.00	0.33	0.33	90.50	-0.44	50.00	50.00	49.34	75.41	
240.00	240.00	240.00	240.00	0.40	0.40	90.50	-0.44	50.00	50.00	49.20	62.67	
270.00	270.00	270.00	270.00	0.47	0.47	90.50	-0.44	50.00	50.00	49.07	53.61	
300.00	300.00	300.00	300.00	0.53	0.53	90.50	-0.44	50.00	50.00	48.93	46.83	
330.00	330.00	330.00	330.00	0.60	0.60	90.50	-0.44	50.00	50.00	48.80	41.58	
360.00	360.00	360.00	360.00	0.67	0.67	90.50	-0.44	50.00	50.00	48.66	37.39	
390.00	390.00	390.00	390.00	0.74	0.74	90.50	-0.44	50.00	50.00	48.53	33.96	
420.00	420.00	420.00	420.00	0.80	0.80	90.50	-0.44	50.00	50.00	48.39	31.11	
450.00	450.00	450.00	450.00	0.87	0.87	90.50	-0.44	50.00	50.00	48.26	28.70	
480.00	480.00	480.00	480.00	0.94	0.94	90.50	-0.44	50.00	50.00	48.13	26.64	
510.00	510.00	510.00	510.00	1.01	1.01	90.50	-0.44	50.00	50.00	47.99	24.86	
540.00	540.00	540.00	540.00	1.07	1.07	90.50	-0.44	50.00	50.00	47.86	23.29	
570.00	570.00	570.00	570.00	1.14	1.14	90.50	-0.44	50.00	50.00	47.72	21.92	
600.00	600.00	600.00	600.00	1.21	1.21	90.50	-0.44	50.00	50.00	47.59	20.69	
630.00	630.00	630.00	630.00	1.28	1.28	90.50	-0.44	50.00	50.00	47.45	19.60	
660.00	660.00	660.00	660.00	1.34	1.34	90.50	-0.44	50.00	50.00	47.32	18.62	
690.00	690.00	690.00	690.00	1.41	1.41	90.50	-0.44	50.00	50.00	47.18	17.73	
720.00	720.00	720.00	720.00	1.48	1.48	90.50	-0.44	50.00	50.00	47.05	16.92	
750.00	750.00	750.00	750.00	1.55	1.55	90.50	-0.44	50.00	50.00	46.91	16.18	
780.00	780.00	780.00	780.00	1.61	1.61	90.50	-0.44	50.00	50.00	46.78	15.50	
810.00	810.00	810.00	810.00	1.68	1.68	90.50	-0.44	50.00	50.00	46.64	14.88	
840.00	840.00	840.00	840.00	1.75	1.75	90.50	-0.44	50.00	50.00	46.51	14.31	
870.00	870.00	870.00	870.00	1.81	1.81	90.50	-0.44	50.00	50.00	46.37	13.77	
900.00	900.00	900.00	900.00	1.88	1.88	90.50	-0.44	50.00	50.00	46.24	13.28	
930.00	930.00	930.00	930.00	1.95	1.95	90.50	-0.44	50.00	50.00	46.10	12.82	
960.00	960.00	960.00	960.00	2.02	2.02	90.50	-0.44	50.00	50.00	45.97	12.39	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 13

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw Unit #136H
Well: Cotton Draw Unit #136H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	TVD	Offset MD	TVD	Semi-Major Axis Ref	Offset	TFO-HS	Offset Location North	East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
990.00	990.00	990.00	990.00	2.08	2.08	90.50	-0.44	50.00	50.00	45.83	11.99	
1020.00	1020.00	1020.00	1020.00	2.15	2.15	90.50	-0.44	50.00	50.00	45.70	11.62	
1050.00	1050.00	1050.00	1050.00	2.22	2.22	90.50	-0.44	50.00	50.00	45.56	11.26	
1080.00	1080.00	1080.00	1080.00	2.29	2.29	90.50	-0.44	50.00	50.00	45.43	10.93	
1110.00	1110.00	1110.00	1110.00	2.35	2.35	90.50	-0.44	50.00	50.00	45.29	10.62	
1140.00	1140.00	1140.00	1140.00	2.42	2.42	90.50	-0.44	50.00	50.00	45.16	10.32	
1170.00	1170.00	1170.00	1170.00	2.49	2.49	90.50	-0.44	50.00	50.00	45.02	10.04	
1200.00	1200.00	1200.00	1200.00	2.56	2.56	90.50	-0.44	50.00	50.00	44.89	9.78	
1230.00	1230.00	1230.00	1230.00	2.62	2.62	90.50	-0.44	50.00	50.00	44.75	9.53	
1260.00	1260.00	1260.00	1260.00	2.69	2.69	90.50	-0.44	50.00	50.00	44.62	9.29	
1290.00	1290.00	1290.00	1290.00	2.76	2.76	90.50	-0.44	50.00	50.00	44.48	9.06	
1320.00	1320.00	1320.00	1320.00	2.83	2.83	90.50	-0.44	50.00	50.00	44.35	8.85	
1350.00	1350.00	1350.00	1350.00	2.89	2.89	90.50	-0.44	50.00	50.00	44.21	8.64	
1380.00	1380.00	1380.00	1380.00	2.96	2.96	90.50	-0.44	50.00	50.00	44.08	8.44	
1410.00	1410.00	1410.00	1410.00	3.03	3.03	90.50	-0.44	50.00	50.00	43.94	8.25	
1440.00	1440.00	1440.00	1440.00	3.10	3.10	90.50	-0.44	50.00	50.00	43.81	8.07	
1470.00	1470.00	1470.00	1470.00	3.16	3.16	90.50	-0.44	50.00	50.00	43.67	7.90	
1500.00	1500.00	1500.00	1500.00	3.23	3.23	90.50	-0.44	50.00	50.00	43.54	7.74	
1530.00	1530.00	1530.00	1530.00	3.30	3.30	90.50	-0.44	50.00	50.00	43.41	7.58	
1560.00	1560.00	1560.00	1560.00	3.37	3.37	90.50	-0.44	50.00	50.00	43.27	7.43	
1590.00	1590.00	1590.00	1590.00	3.43	3.43	90.50	-0.44	50.00	50.00	43.14	7.28	
1620.00	1620.00	1620.00	1620.00	3.50	3.50	90.50	-0.44	50.00	50.00	43.00	7.14	
1650.00	1650.00	1650.00	1650.00	3.57	3.57	90.50	-0.44	50.00	50.00	42.87	7.01	
1680.00	1680.00	1680.00	1680.00	3.64	3.64	90.50	-0.44	50.00	50.00	42.73	6.88	
1710.00	1710.00	1710.00	1710.00	3.70	3.70	90.50	-0.44	50.00	50.00	42.60	6.75	
1740.00	1740.00	1740.00	1740.00	3.77	3.77	90.50	-0.44	50.00	50.00	42.46	6.63	
1770.00	1770.00	1770.00	1770.00	3.84	3.84	90.50	-0.44	50.00	50.00	42.33	6.51	
1800.00	1800.00	1800.00	1800.00	3.91	3.91	90.50	-0.44	50.00	50.00	42.19	6.40	
1830.00	1830.00	1830.00	1830.00	3.97	3.97	90.50	-0.44	50.00	50.00	42.06	6.29	
1860.00	1860.00	1860.00	1860.00	4.04	4.04	90.50	-0.44	50.00	50.00	41.92	6.19	
1890.00	1890.00	1890.00	1890.00	4.11	4.11	90.50	-0.44	50.00	50.00	41.79	6.09	
1920.00	1920.00	1920.00	1920.00	4.18	4.18	90.50	-0.44	50.00	50.00	41.65	5.99	
1950.00	1950.00	1950.00	1950.00	4.24	4.24	90.50	-0.44	50.00	50.00	41.52	5.89	
1980.00	1980.00	1980.00	1980.00	4.31	4.31	90.50	-0.44	50.00	50.00	41.38	5.80	
2010.00	2010.00	2010.00	2010.00	4.38	4.38	90.50	-0.44	50.00	50.00	41.25	5.71	
2040.00	2040.00	2040.00	2040.00	4.44	4.44	90.50	-0.44	50.00	50.00	41.11	5.62	
2070.00	2070.00	2070.00	2070.00	4.51	4.51	90.50	-0.44	50.00	50.00	40.98	5.54	
2100.00	2100.00	2100.00	2100.00	4.58	4.58	90.50	-0.44	50.00	50.00	40.84	5.46	
2130.00	2130.00	2130.00	2130.00	4.65	4.65	90.50	-0.44	50.00	50.00	40.71	5.38	
2160.00	2160.00	2160.00	2160.00	4.71	4.71	90.50	-0.44	50.00	50.00	40.57	5.30	
2190.00	2190.00	2190.00	2190.00	4.78	4.78	90.50	-0.44	50.00	50.00	40.44	5.23	
2220.00	2220.00	2220.00	2220.00	4.85	4.85	90.50	-0.44	50.00	50.00	40.30	5.16	
2250.00	2250.00	2250.00	2250.00	4.92	4.92	90.50	-0.44	50.00	50.00	40.17	5.08	
2280.00	2280.00	2280.00	2280.00	4.98	4.98	90.50	-0.44	50.00	50.00	40.03	5.02	
2310.00	2310.00	2310.00	2310.00	5.05	5.05	90.50	-0.44	50.00	50.00	39.90	4.95	
2340.00	2340.00	2340.00	2340.00	5.12	5.12	90.50	-0.44	50.00	50.00	39.76	4.88	
2370.00	2370.00	2370.00	2370.00	5.19	5.19	90.50	-0.44	50.00	50.00	39.63	4.82	
2400.00	2400.00	2400.00	2400.00	5.25	5.25	90.50	-0.44	50.00	50.00	39.49	4.76	
2430.00	2430.00	2430.00	2430.00	5.32	5.32	90.50	-0.44	50.00	50.00	39.36	4.70	
2460.00	2460.00	2460.00	2460.00	5.39	5.39	90.50	-0.44	50.00	50.00	39.22	4.64	
2490.00	2490.00	2490.00	2490.00	5.46	5.46	90.50	-0.44	50.00	50.00	39.09	4.58	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 14

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw Unit #136H
Well: Cotton Draw Unit #136H
Wellpath: 1 VO Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East				
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
2520.00	2520.00	2520.00	2520.00	5.52	5.52	90.50	-0.44	50.00	50.00	38.95	4.53	
2550.00	2550.00	2550.00	2550.00	5.59	5.59	90.50	-0.44	50.00	50.00	38.82	4.47	
2580.00	2580.00	2580.00	2580.00	5.66	5.66	90.50	-0.44	50.00	50.00	38.68	4.42	
2610.00	2610.00	2610.00	2610.00	5.73	5.73	90.50	-0.44	50.00	50.00	38.55	4.37	
2640.00	2640.00	2640.00	2640.00	5.79	5.79	90.50	-0.44	50.00	50.00	38.42	4.32	
2670.00	2670.00	2670.00	2670.00	5.86	5.86	90.50	-0.44	50.00	50.00	38.28	4.27	
2700.00	2700.00	2700.00	2700.00	5.93	5.93	90.50	-0.44	50.00	50.00	38.15	4.22	
2730.00	2730.00	2730.00	2730.00	6.00	6.00	90.50	-0.44	50.00	50.00	38.01	4.17	
2760.00	2760.00	2760.00	2760.00	6.06	6.06	90.50	-0.44	50.00	50.00	37.88	4.12	
2790.00	2790.00	2790.00	2790.00	6.13	6.13	90.50	-0.44	50.00	50.00	37.74	4.08	
2820.00	2820.00	2820.00	2820.00	6.20	6.20	90.50	-0.44	50.00	50.00	37.61	4.03	
2850.00	2850.00	2850.00	2850.00	6.27	6.27	90.50	-0.44	50.00	50.00	37.47	3.99	
2880.00	2880.00	2880.00	2880.00	6.33	6.33	90.50	-0.44	50.00	50.00	37.34	3.95	
2910.00	2910.00	2910.00	2910.00	6.40	6.40	90.50	-0.44	50.00	50.00	37.20	3.91	
2940.00	2940.00	2940.00	2940.00	6.47	6.47	90.50	-0.44	50.00	50.00	37.07	3.87	
2970.00	2970.00	2970.00	2970.00	6.54	6.54	90.50	-0.44	50.00	50.00	36.93	3.83	
3000.00	3000.00	3000.00	3000.00	6.60	6.60	90.50	-0.44	50.00	50.00	36.80	3.79	
3030.00	3030.00	3030.00	3030.00	6.67	6.67	90.50	-0.44	50.00	50.00	36.66	3.75	
3060.00	3060.00	3060.00	3060.00	6.74	6.74	90.50	-0.44	50.00	50.00	36.53	3.71	
3090.00	3090.00	3090.00	3090.00	6.80	6.80	90.50	-0.44	50.00	50.00	36.39	3.67	
3120.00	3120.00	3120.00	3120.00	6.87	6.87	90.50	-0.44	50.00	50.00	36.26	3.64	
3150.00	3150.00	3150.00	3150.00	6.94	6.94	90.50	-0.44	50.00	50.00	36.12	3.60	
3180.00	3180.00	3180.00	3180.00	7.01	7.01	90.50	-0.44	50.00	50.00	35.99	3.57	
3210.00	3210.00	3210.00	3210.00	7.07	7.07	90.50	-0.44	50.00	50.00	35.85	3.53	
3240.00	3240.00	3240.00	3240.00	7.14	7.14	90.50	-0.44	50.00	50.00	35.72	3.50	
3270.00	3270.00	3270.00	3270.00	7.21	7.21	90.50	-0.44	50.00	50.00	35.58	3.47	
3300.00	3300.00	3300.00	3300.00	7.28	7.28	90.50	-0.44	50.00	50.00	35.45	3.44	
3330.00	3330.00	3330.00	3330.00	7.34	7.34	90.50	-0.44	50.00	50.00	35.31	3.40	
3360.00	3360.00	3360.00	3360.00	7.41	7.41	90.50	-0.44	50.00	50.00	35.18	3.37	
3390.00	3390.00	3390.00	3390.00	7.48	7.48	90.50	-0.44	50.00	50.00	35.04	3.34	
3420.00	3420.00	3420.00	3420.00	7.55	7.55	90.50	-0.44	50.00	50.00	34.91	3.31	
3450.00	3450.00	3450.00	3450.00	7.61	7.61	90.50	-0.44	50.00	50.00	34.77	3.28	
3480.00	3480.00	3480.00	3480.00	7.68	7.68	90.50	-0.44	50.00	50.00	34.64	3.25	
3510.00	3510.00	3510.00	3510.00	7.75	7.75	90.50	-0.44	50.00	50.00	34.50	3.23	
3540.00	3540.00	3540.00	3540.00	7.82	7.82	90.50	-0.44	50.00	50.00	34.37	3.20	
3570.00	3570.00	3570.00	3570.00	7.88	7.88	90.50	-0.44	50.00	50.00	34.23	3.17	
3600.00	3600.00	3600.00	3600.00	7.95	7.95	90.50	-0.44	50.00	50.00	34.10	3.14	
3630.00	3630.00	3630.00	3630.00	8.02	8.02	90.50	-0.44	50.00	50.00	33.96	3.12	
3660.00	3660.00	3660.00	3660.00	8.09	8.09	90.50	-0.44	50.00	50.00	33.83	3.09	
3690.00	3690.00	3690.00	3690.00	8.15	8.15	90.50	-0.44	50.00	50.00	33.70	3.07	
3720.00	3720.00	3720.00	3720.00	8.22	8.22	90.50	-0.44	50.00	50.00	33.56	3.04	
3750.00	3750.00	3750.00	3750.00	8.29	8.29	90.50	-0.44	50.00	50.00	33.43	3.02	
3780.00	3780.00	3780.00	3780.00	8.36	8.36	90.50	-0.44	50.00	50.00	33.29	2.99	
3810.00	3810.00	3810.00	3810.00	8.42	8.42	90.50	-0.44	50.00	50.00	33.16	2.97	
3840.00	3840.00	3840.00	3840.00	8.49	8.49	90.50	-0.44	50.00	50.00	33.02	2.94	
3870.00	3870.00	3870.00	3870.00	8.56	8.56	90.50	-0.44	50.00	50.00	32.89	2.92	
3900.00	3900.00	3900.00	3900.00	8.63	8.63	90.50	-0.44	50.00	50.00	32.75	2.90	
3930.00	3930.00	3930.00	3930.00	8.69	8.69	90.50	-0.44	50.00	50.00	32.62	2.88	
3960.00	3960.00	3960.00	3960.00	8.76	8.76	90.50	-0.44	50.00	50.00	32.48	2.85	
3990.00	3990.00	3990.00	3990.00	8.83	8.83	90.50	-0.44	50.00	50.00	32.35	2.83	
4020.00	4020.00	4020.00	4020.00	8.90	8.90	90.50	-0.44	50.00	50.00	32.21	2.81	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 15

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw Unit #136H
Well: Cotton Draw Unit #136H

Wellpath: 1 VO Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	TVD	Offset MD	TVD	Semi-Major Axis Ref	Offset	TFO-HS	Offset Location North	East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
4050.00	4050.00	4050.00	4050.00	8.96	8.96	90.50	-0.44	50.00	50.00	32.08	2.79	
4080.00	4080.00	4080.00	4080.00	9.03	9.03	90.50	-0.44	50.00	50.00	31.94	2.77	
4110.00	4110.00	4110.00	4110.00	9.10	9.10	90.50	-0.44	50.00	50.00	31.81	2.75	
4140.00	4140.00	4140.00	4140.00	9.16	9.16	90.50	-0.44	50.00	50.00	31.67	2.73	
4170.00	4170.00	4170.00	4170.00	9.23	9.23	90.50	-0.44	50.00	50.00	31.54	2.71	
4200.00	4200.00	4200.00	4200.00	9.30	9.30	90.50	-0.44	50.00	50.00	31.40	2.69	
4230.00	4230.00	4230.00	4230.00	9.37	9.37	90.50	-0.44	50.00	50.00	31.27	2.67	
4260.00	4260.00	4260.00	4260.00	9.43	9.43	90.50	-0.44	50.00	50.00	31.13	2.65	
4290.00	4290.00	4290.00	4290.00	9.50	9.50	90.50	-0.44	50.00	50.00	31.00	2.63	
4320.00	4320.00	4320.00	4320.00	9.57	9.57	90.50	-0.44	50.00	50.00	30.86	2.61	
4350.00	4350.00	4350.00	4350.00	9.64	9.64	90.50	-0.44	50.00	50.00	30.73	2.59	
4380.00	4380.00	4380.00	4380.00	9.70	9.70	90.50	-0.44	50.00	50.00	30.59	2.58	
4410.00	4410.00	4410.00	4410.00	9.77	9.77	90.50	-0.44	50.00	50.00	30.46	2.56	
4440.00	4440.00	4440.00	4440.00	9.84	9.84	90.50	-0.44	50.00	50.00	30.32	2.54	
4470.00	4470.00	4470.00	4470.00	9.91	9.91	90.50	-0.44	50.00	50.00	30.19	2.52	
4500.00	4500.00	4500.00	4500.00	9.97	9.97	90.50	-0.44	50.00	50.00	30.05	2.51	
4530.00	4530.00	4530.00	4530.00	10.04	10.04	90.50	-0.44	50.00	50.00	29.92	2.49	
4560.00	4560.00	4560.00	4560.00	10.11	10.11	90.50	-0.44	50.00	50.00	29.78	2.47	
4590.00	4590.00	4590.00	4590.00	10.18	10.18	90.50	-0.44	50.00	50.00	29.65	2.46	
4620.00	4620.00	4620.00	4620.00	10.24	10.24	90.50	-0.44	50.00	50.00	29.51	2.44	
4650.00	4650.00	4650.00	4650.00	10.31	10.31	90.50	-0.44	50.00	50.00	29.38	2.42	
4680.00	4680.00	4680.00	4680.00	10.38	10.38	90.50	-0.44	50.00	50.00	29.24	2.41	
4710.00	4710.00	4710.00	4710.00	10.45	10.45	90.50	-0.44	50.00	50.00	29.11	2.39	
4740.00	4740.00	4740.00	4740.00	10.51	10.51	90.50	-0.44	50.00	50.00	28.98	2.38	
4770.00	4770.00	4770.00	4770.00	10.58	10.58	90.50	-0.44	50.00	50.00	28.84	2.36	
4800.00	4800.00	4800.00	4800.00	10.65	10.65	90.50	-0.44	50.00	50.00	28.71	2.35	
4830.00	4830.00	4830.00	4830.00	10.72	10.72	90.50	-0.44	50.00	50.00	28.57	2.33	
4860.00	4860.00	4860.00	4860.00	10.78	10.78	90.50	-0.44	50.00	50.00	28.44	2.32	
4890.00	4890.00	4890.00	4890.00	10.85	10.85	90.50	-0.44	50.00	50.00	28.30	2.30	
4920.00	4920.00	4920.00	4920.00	10.92	10.92	90.50	-0.44	50.00	50.00	28.17	2.29	
4950.00	4950.00	4950.00	4950.00	10.99	10.99	90.50	-0.44	50.00	50.00	28.03	2.28	
4980.00	4980.00	4980.00	4980.00	11.05	11.05	90.50	-0.44	50.00	50.00	27.90	2.26	
5010.00	5010.00	5010.00	5010.00	11.12	11.12	90.50	-0.44	50.00	50.00	27.76	2.25	
5040.00	5040.00	5040.00	5040.00	11.19	11.19	90.50	-0.44	50.00	50.00	27.63	2.23	
5070.00	5070.00	5070.00	5070.00	11.26	11.26	90.50	-0.44	50.00	50.00	27.49	2.22	
5100.00	5100.00	5100.00	5100.00	11.32	11.32	90.50	-0.44	50.00	50.00	27.36	2.21	
5130.00	5130.00	5130.00	5130.00	11.39	11.39	90.50	-0.44	50.00	50.00	27.22	2.19	
5160.00	5160.00	5160.00	5160.00	11.46	11.46	90.50	-0.44	50.00	50.00	27.09	2.18	
5190.00	5190.00	5190.00	5190.00	11.52	11.52	90.50	-0.44	50.00	50.00	26.95	2.17	
5220.00	5220.00	5220.00	5220.00	11.59	11.59	90.50	-0.44	50.00	50.00	26.82	2.16	
5250.00	5250.00	5250.00	5250.00	11.66	11.66	90.50	-0.44	50.00	50.00	26.68	2.14	
5280.00	5280.00	5280.00	5280.00	11.73	11.73	90.50	-0.44	50.00	50.00	26.55	2.13	
5310.00	5310.00	5310.00	5310.00	11.79	11.79	90.50	-0.44	50.00	50.00	26.41	2.12	
5340.00	5340.00	5340.00	5340.00	11.86	11.86	90.50	-0.44	50.00	50.00	26.28	2.11	
5370.00	5370.00	5370.00	5370.00	11.93	11.93	90.50	-0.44	50.00	50.00	26.14	2.10	
5400.00	5400.00	5400.00	5400.00	12.00	12.00	90.50	-0.44	50.00	50.00	26.01	2.08	
5430.00	5430.00	5430.00	5430.00	12.06	12.06	90.50	-0.44	50.00	50.00	25.87	2.07	
5460.00	5460.00	5460.00	5460.00	12.13	12.13	90.50	-0.44	50.00	50.00	25.74	2.06	
5490.00	5490.00	5490.00	5490.00	12.20	12.20	90.50	-0.44	50.00	50.00	25.60	2.05	
5520.00	5520.00	5520.00	5520.00	12.27	12.27	90.50	-0.44	50.00	50.00	25.47	2.04	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 16

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw Unit #136H
Well: Cotton Draw Unit #136H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East				
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
5550.00	5550.00	5550.00	5550.00	12.33	12.33	90.50	-0.44	50.00	50.00	25.33	2.03	
5580.00	5580.00	5580.00	5580.00	12.40	12.40	90.50	-0.44	50.00	50.00	25.20	2.02	
5610.00	5610.00	5610.00	5610.00	12.47	12.47	90.50	-0.44	50.00	50.00	25.06	2.01	
5640.00	5640.00	5640.00	5640.00	12.54	12.54	90.50	-0.44	50.00	50.00	24.93	1.99	
5670.00	5670.00	5670.00	5670.00	12.60	12.60	90.50	-0.44	50.00	50.00	24.79	1.98	
5700.00	5700.00	5700.00	5700.00	12.67	12.67	90.50	-0.44	50.00	50.00	24.66	1.97	
5730.00	5730.00	5730.00	5730.00	12.74	12.74	90.50	-0.44	50.00	50.00	24.52	1.96	
5760.00	5760.00	5760.00	5760.00	12.81	12.81	90.50	-0.44	50.00	50.00	24.39	1.95	
5790.00	5790.00	5790.00	5790.00	12.87	12.87	90.50	-0.44	50.00	50.00	24.25	1.94	
5820.00	5820.00	5820.00	5820.00	12.94	12.94	90.50	-0.44	50.00	50.00	24.12	1.93	
5850.00	5850.00	5850.00	5850.00	13.01	13.01	90.50	-0.44	50.00	50.00	23.99	1.92	
5880.00	5880.00	5880.00	5880.00	13.08	13.08	90.50	-0.44	50.00	50.00	23.85	1.91	
5910.00	5910.00	5910.00	5910.00	13.14	13.14	90.50	-0.44	50.00	50.00	23.72	1.90	
5940.00	5940.00	5940.00	5940.00	13.21	13.21	90.50	-0.44	50.00	50.00	23.58	1.89	
5970.00	5970.00	5970.00	5970.00	13.28	13.28	90.50	-0.44	50.00	50.00	23.45	1.88	
6000.00	6000.00	6000.00	6000.00	13.35	13.35	90.50	-0.44	50.00	50.00	23.31	1.87	
6030.00	6030.00	6030.00	6030.00	13.41	13.41	90.50	-0.44	50.00	50.00	23.18	1.86	
6060.00	6060.00	6060.00	6060.00	13.48	13.48	90.50	-0.44	50.00	50.00	23.04	1.85	
6090.00	6090.00	6090.00	6090.00	13.55	13.55	90.50	-0.44	50.00	50.00	22.91	1.85	
6120.00	6120.00	6120.00	6120.00	13.62	13.62	90.50	-0.44	50.00	50.00	22.77	1.84	
6150.00	6150.00	6150.00	6150.00	13.68	13.68	90.50	-0.44	50.00	50.00	22.64	1.83	
6180.00	6180.00	6180.00	6180.00	13.75	13.75	90.50	-0.44	50.00	50.00	22.50	1.82	
6210.00	6210.00	6210.00	6210.00	13.82	13.82	90.50	-0.44	50.00	50.00	22.37	1.81	
6240.00	6240.00	6240.00	6240.00	13.88	13.88	90.50	-0.44	50.00	50.00	22.23	1.80	
6270.00	6270.00	6270.00	6270.00	13.95	13.95	90.50	-0.44	50.00	50.00	22.10	1.79	
6300.00	6300.00	6300.00	6300.00	14.02	14.02	90.50	-0.44	50.00	50.00	21.96	1.78	
6330.00	6330.00	6330.00	6330.00	14.09	14.09	90.50	-0.44	50.00	50.00	21.83	1.77	
6360.00	6360.00	6360.00	6360.00	14.15	14.15	90.50	-0.44	50.00	50.00	21.69	1.77	
6390.00	6390.00	6390.00	6390.00	14.22	14.22	90.50	-0.44	50.00	50.00	21.56	1.76	
6420.00	6420.00	6420.00	6420.00	14.29	14.29	90.50	-0.44	50.00	50.00	21.42	1.75	
6450.00	6450.00	6450.00	6450.00	14.36	14.36	90.50	-0.44	50.00	50.00	21.29	1.74	
6480.00	6480.00	6480.00	6480.00	14.42	14.42	90.50	-0.44	50.00	50.00	21.15	1.73	
6510.00	6510.00	6510.00	6510.00	14.49	14.49	90.50	-0.44	50.00	50.00	21.02	1.73	
6540.00	6540.00	6540.00	6540.00	14.56	14.56	90.50	-0.44	50.00	50.00	20.88	1.72	
6570.00	6570.00	6570.00	6570.00	14.63	14.63	90.50	-0.44	50.00	50.00	20.75	1.71	
6600.00	6600.00	6600.00	6600.00	14.69	14.69	90.50	-0.44	50.00	50.00	20.61	1.70	
6630.00	6630.00	6630.00	6630.00	14.76	14.76	90.50	-0.44	50.00	50.00	20.48	1.69	
6660.00	6660.00	6660.00	6660.00	14.83	14.83	90.50	-0.44	50.00	50.00	20.34	1.69	
6690.00	6690.00	6690.00	6690.00	14.90	14.90	90.50	-0.44	50.00	50.00	20.21	1.68	
6720.00	6720.00	6720.00	6720.00	14.96	14.96	90.50	-0.44	50.00	50.00	20.07	1.67	
6750.00	6750.00	6750.00	6750.00	15.03	15.03	90.50	-0.44	50.00	50.00	19.94	1.66	
6780.00	6780.00	6780.00	6780.00	15.10	15.10	90.50	-0.44	50.00	50.00	19.80	1.66	
6810.00	6810.00	6810.00	6810.00	15.17	15.17	90.50	-0.44	50.00	50.00	19.67	1.65	
6840.00	6840.00	6840.00	6840.00	15.23	15.23	90.50	-0.44	50.00	50.00	19.53	1.64	
6870.00	6870.00	6870.00	6870.00	15.30	15.30	90.50	-0.44	50.00	50.00	19.40	1.63	
6900.00	6900.00	6900.00	6900.00	15.37	15.37	90.50	-0.44	50.00	50.00	19.27	1.63	
6930.00	6930.00	6930.00	6930.00	15.44	15.44	90.50	-0.44	50.00	50.00	19.13	1.62	
6960.00	6960.00	6960.00	6960.00	15.50	15.50	90.50	-0.44	50.00	50.00	19.00	1.61	
6990.00	6990.00	6990.00	6990.00	15.57	15.57	90.50	-0.44	50.00	50.00	18.86	1.61	
7020.00	7020.00	7020.00	7020.00	15.64	15.64	90.50	-0.44	50.00	50.00	18.73	1.60	
7050.00	7050.00	7050.00	7050.00	15.71	15.71	90.50	-0.44	50.00	50.00	18.59	1.59	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 17

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw Unit #136H
Well: Cotton Draw Unit #136H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East				
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
7080.00	7080.00	7080.00	7080.00	15.77	15.77	90.50	-0.44	50.00	50.00	18.46	1.59	
7110.00	7110.00	7110.00	7110.00	15.84	15.84	90.50	-0.44	50.00	50.00	18.32	1.58	
7140.00	7140.00	7140.00	7140.00	15.91	15.91	90.50	-0.44	50.00	50.00	18.19	1.57	
7170.00	7170.00	7170.00	7170.00	15.98	15.98	90.50	-0.44	50.00	50.00	18.05	1.56	
7200.00	7200.00	7200.00	7200.00	16.04	16.04	90.50	-0.44	50.00	50.00	17.92	1.56	
7230.00	7230.00	7230.00	7230.00	16.11	16.11	90.50	-0.44	50.00	50.00	17.78	1.55	
7260.00	7260.00	7260.00	7260.00	16.18	16.18	90.50	-0.44	50.00	50.00	17.65	1.55	
7290.00	7290.00	7290.00	7290.00	16.24	16.24	90.50	-0.44	50.00	50.00	17.51	1.54	
7320.00	7320.00	7320.00	7320.00	16.31	16.31	90.50	-0.44	50.00	50.00	17.38	1.53	
7350.00	7350.00	7350.00	7350.00	16.38	16.38	90.50	-0.44	50.00	50.00	17.24	1.53	
7380.00	7380.00	7380.00	7380.00	16.45	16.45	90.50	-0.44	50.00	50.00	17.11	1.52	
7410.00	7410.00	7410.00	7410.00	16.51	16.51	90.50	-0.44	50.00	50.00	16.97	1.51	
7440.00	7440.00	7440.00	7440.00	16.58	16.58	90.50	-0.44	50.00	50.00	16.84	1.51	
7470.00	7470.00	7470.00	7470.00	16.65	16.65	90.50	-0.44	50.00	50.00	16.70	1.50	
7500.00	7500.00	7500.00	7500.00	16.72	16.72	90.50	-0.44	50.00	50.00	16.57	1.50	Level 3
7530.00	7530.00	7530.00	7530.00	16.78	16.78	90.50	-0.44	50.00	50.00	16.43	1.49	Level 3
7560.00	7560.00	7560.00	7560.00	16.85	16.85	90.50	-0.44	50.00	50.00	16.30	1.48	Level 3
7590.00	7590.00	7590.00	7590.00	16.92	16.92	90.50	-0.44	50.00	50.00	16.16	1.48	Level 3
7620.00	7620.00	7620.00	7620.00	16.99	16.99	90.50	-0.44	50.00	50.00	16.03	1.47	Level 3
7650.00	7650.00	7650.00	7650.00	17.05	17.05	90.50	-0.44	50.00	50.00	15.89	1.47	Level 3
7680.00	7680.00	7680.00	7680.00	17.12	17.12	90.50	-0.44	50.00	50.00	15.76	1.46	Level 3
7710.00	7710.00	7710.00	7710.00	17.19	17.19	90.50	-0.44	50.00	50.00	15.62	1.45	Level 3
7740.00	7740.00	7740.00	7740.00	17.26	17.26	90.50	-0.44	50.00	50.00	15.49	1.45	Level 3
7770.00	7770.00	7770.00	7770.00	17.32	17.32	90.50	-0.44	50.00	50.00	15.35	1.44	Level 3
7800.00	7800.00	7800.00	7800.00	17.39	17.39	90.50	-0.44	50.00	50.00	15.22	1.44	Level 3
7830.00	7830.00	7830.00	7830.00	17.46	17.46	90.50	-0.44	50.00	50.00	15.08	1.43	Level 3
7860.00	7860.00	7860.00	7860.00	17.53	17.53	90.50	-0.44	50.00	50.00	14.95	1.43	Level 3
7890.00	7890.00	7890.00	7890.00	17.59	17.59	90.50	-0.44	50.00	50.00	14.81	1.42	Level 3
7920.00	7920.00	7920.00	7920.00	17.66	17.66	90.50	-0.44	50.00	50.00	14.68	1.42	Level 3
7950.00	7950.00	7950.00	7950.00	17.73	17.73	90.50	-0.44	50.00	50.00	14.55	1.41	Level 3
7980.00	7980.00	7980.00	7980.00	17.80	17.80	90.50	-0.44	50.00	50.00	14.41	1.40	Level 3
8010.00	8010.00	8010.00	8010.00	17.86	17.86	90.50	-0.44	50.00	50.00	14.28	1.40	Level 3
8040.00	8040.00	8040.00	8040.00	17.93	17.93	190.54	-0.44	50.00	50.17	14.32	1.40	Level 3
8070.00	8069.96	8069.96	8069.96	17.99	18.00	190.28	-0.44	50.00	51.56	15.60	1.43	Level 3
8100.00	8099.83	8099.83	8099.83	18.05	18.07	189.79	-0.44	50.00	54.33	18.31	1.51	
8130.00	8129.53	8129.53	8129.53	18.11	18.13	189.15	-0.44	50.00	58.49	22.43	1.62	
8160.00	8158.99	8158.99	8158.99	18.16	18.20	188.42	-0.44	50.00	64.05	27.97	1.78	
8190.00	8188.16	8188.16	8188.16	18.23	18.26	187.68	-0.44	50.00	70.98	34.92	1.97	
8220.00	8216.97	8216.97	8216.97	18.29	18.33	186.97	-0.44	50.00	79.28	43.27	2.20	
8250.00	8245.35	8245.35	8245.35	18.35	18.39	186.31	-0.44	50.00	88.93	53.00	2.47	
8280.00	8273.25	8273.25	8273.25	18.42	18.45	185.72	-0.44	50.00	99.92	64.08	2.79	
8310.00	8300.59	8300.59	8300.59	18.49	18.52	185.20	-0.44	50.00	112.21	76.50	3.14	
8340.00	8327.32	8327.32	8327.32	18.57	18.58	184.75	-0.44	50.00	125.78	90.23	3.54	
8370.00	8353.38	8353.38	8353.38	18.65	18.64	184.37	-0.44	50.00	140.60	105.22	3.97	
8400.00	8378.71	8378.71	8378.71	18.74	18.69	184.04	-0.44	50.00	156.64	121.46	4.45	
8430.00	8403.25	8402.43	8402.42	18.84	18.75	183.60	-0.02	50.00	173.91	138.95	4.97	
8460.00	8426.96	8424.99	8424.95	18.95	18.79	182.91	1.24	50.00	192.45	157.74	5.54	
8490.00	8449.90	8446.47	8446.34	19.07	18.84	179.38	3.24	50.01	212.09	177.44	6.12	
8520.00	8472.79	8467.69	8467.38	19.20	18.89	173.23	5.95	50.02	231.90	197.09	6.66	
8550.00	8495.74	8488.83	8488.23	19.32	18.93	167.35	9.40	50.03	251.67	216.64	7.18	
8580.00	8518.67	8509.93	8508.92	19.46	18.98	161.73	13.57	50.04	271.35	236.06	7.69	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 18

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw Unit #136H
Well: Cotton Draw Unit #136H
Wellpath: 1 VO Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East				
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
8610.00	8541.55	8531.03	8529.44	19.59	19.02	156.34	18.46	50.05	290.90	255.32	8.18	
8640.00	8564.32	8552.17	8549.82	19.72	19.07	151.20	24.09	50.07	310.27	274.38	8.65	
8670.00	8586.93	8573.39	8570.06	19.85	19.11	146.29	30.45	50.09	329.42	293.21	9.10	
8700.00	8609.34	8594.71	8590.16	19.97	19.16	141.63	37.56	50.11	348.32	311.78	9.53	
8730.00	8631.48	8616.18	8610.12	20.10	19.21	137.21	45.44	50.13	366.94	330.06	9.95	
8760.00	8653.32	8637.81	8629.95	20.23	19.25	133.04	54.10	50.15	385.24	348.02	10.35	
8790.00	8674.80	8659.65	8649.64	20.34	19.30	129.12	63.55	50.18	403.20	365.64	10.73	
8820.00	8695.88	8681.72	8669.17	20.46	19.35	125.43	73.83	50.21	420.78	382.87	11.10	
8850.00	8716.51	8704.05	8688.53	20.59	19.41	121.99	84.96	50.24	437.97	399.70	11.45	
8880.00	8736.64	8726.67	8707.71	20.71	19.46	118.78	96.95	50.28	454.71	416.10	11.78	
8910.00	8756.24	8749.61	8726.67	20.83	19.52	115.80	109.84	50.31	471.00	432.04	12.09	
8940.00	8775.24	8772.88	8745.40	20.95	19.58	113.03	123.65	50.35	486.80	447.50	12.39	
8970.00	8793.62	8796.50	8763.85	21.07	19.65	110.47	138.40	50.39	502.08	462.44	12.67	
9000.00	8811.34	8820.51	8781.99	21.19	19.72	108.11	154.13	50.44	516.81	476.85	12.93	
9030.00	8828.34	8844.91	8799.77	21.31	19.80	105.93	170.84	50.49	530.97	490.68	13.18	
9060.00	8844.61	8869.73	8817.14	21.43	19.88	103.94	188.56	50.54	544.53	503.91	13.40	
9090.00	8860.09	8894.96	8834.03	21.56	19.97	102.11	207.30	50.59	557.47	516.52	13.62	
9120.00	8874.75	8920.62	8850.39	21.68	20.07	100.44	227.07	50.64	569.75	528.48	13.81	
9150.00	8888.57	8946.72	8866.14	21.80	20.17	98.93	247.88	50.70	581.35	539.77	13.98	
9180.00	8901.52	8973.26	8881.21	21.92	20.29	97.55	269.72	50.77	592.24	550.34	14.13	
9210.00	8913.55	9000.22	8895.52	22.05	20.41	96.31	292.56	50.83	602.40	560.19	14.27	
9240.00	8924.65	9027.60	8908.99	22.17	20.54	95.20	316.40	50.90	611.81	569.27	14.38	
9270.00	8934.79	9055.39	8921.53	22.29	20.69	94.21	341.20	50.97	620.43	577.58	14.48	
9300.00	8943.95	9083.57	8933.06	22.41	20.85	93.34	366.91	51.04	628.26	585.09	14.55	
9330.00	8952.12	9112.11	8943.50	22.53	21.01	92.58	393.47	51.12	635.26	591.77	14.61	
9360.00	8959.26	9140.99	8952.76	22.64	21.19	91.92	420.82	51.19	641.42	597.62	14.64	
9390.00	8965.36	9170.16	8960.77	22.75	21.39	91.37	448.86	51.27	646.73	602.60	14.65	
9420.00	8970.42	9199.59	8967.46	22.87	21.59	90.91	477.52	51.35	651.16	606.71	14.65	
9450.00	8974.42	9229.23	8972.77	22.97	21.81	90.55	506.68	51.44	654.71	609.93	14.62	
9480.00	8977.35	9259.04	8976.65	23.08	22.03	90.28	536.23	51.52	657.36	612.25	14.57	
9510.00	8979.20	9288.96	8979.06	23.18	22.27	90.10	566.05	51.61	659.11	613.67	14.50	
9540.00	8979.97	9318.95	8979.99	23.28	22.51	90.01	596.02	51.69	659.95	614.18	14.42	
9570.00	8980.00	9348.98	8980.00	23.52	22.77	90.00	626.05	51.77	660.16	613.90	14.27	
9600.00	8980.00	9379.02	8980.00	23.79	23.03	90.00	656.09	51.86	660.34	613.55	14.11	
9630.00	8980.00	9409.06	8980.00	24.08	23.29	90.00	686.13	51.94	660.53	613.18	13.95	
9660.00	8980.00	9439.09	8980.00	24.38	23.57	90.00	716.17	52.02	660.71	612.79	13.79	
9690.00	8980.00	9469.13	8980.00	24.67	23.85	90.00	746.20	52.09	660.89	612.40	13.63	
9720.00	8980.00	9499.17	8980.00	24.98	24.13	90.00	776.24	52.17	661.07	611.99	13.47	
9750.00	8980.00	9529.21	8980.00	25.30	24.44	90.00	806.28	52.24	661.25	611.54	13.30	
9780.00	8980.00	9559.25	8980.00	25.62	24.75	90.00	836.32	52.32	661.43	611.09	13.14	
9810.00	8980.00	9589.28	8980.00	25.94	25.06	90.00	866.35	52.39	661.60	610.63	12.98	
9840.00	8980.00	9619.32	8980.00	26.29	25.38	90.00	896.39	52.46	661.77	610.13	12.82	
9870.00	8980.00	9649.36	8980.00	26.63	25.72	90.00	926.43	52.52	661.94	609.63	12.65	
9900.00	8980.00	9679.40	8980.00	26.97	26.05	90.00	956.47	52.59	662.11	609.12	12.49	
9930.00	8980.00	9709.43	8980.00	27.34	26.39	90.00	986.51	52.65	662.28	608.58	12.33	
9960.00	8980.00	9739.47	8980.00	27.70	26.75	90.00	1016.54	52.71	662.44	608.02	12.17	
9990.00	8980.00	9769.51	8980.00	28.07	27.11	90.00	1046.58	52.77	662.61	607.46	12.02	
10020.00	8980.00	9799.55	8980.00	28.45	27.47	90.00	1076.62	52.83	662.77	606.89	11.86	
10050.00	8980.00	9829.59	8980.00	28.83	27.85	90.00	1106.66	52.89	662.93	606.28	11.70	
10080.00	8980.00	9859.63	8980.00	29.21	28.22	90.00	1136.70	52.94	663.09	605.68	11.55	
10110.00	8980.00	9889.66	8980.00	29.60	28.60	90.00	1166.73	53.00	663.25	605.07	11.40	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

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Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw Unit #136H
Well: Cotton Draw Unit #136H
Wellpath: 1 VO 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		
10140.00	8980.01	9919.70	8980.00	30.00	28.99	90.00	1196.77	53.05	663.40	604.44	11.25	
10170.00	8980.01	9949.74	8980.00	30.40	29.39	90.00	1226.81	53.10	663.55	603.79	11.10	
10200.00	8980.01	9979.78	8980.00	30.81	29.78	90.00	1256.85	53.15	663.71	603.15	10.96	
10230.00	8980.01	10009.82	8980.00	31.22	30.18	90.00	1286.89	53.19	663.86	602.48	10.82	
10260.00	8980.01	10039.85	8980.00	31.63	30.59	90.00	1316.92	53.24	664.00	601.81	10.68	
10290.00	8980.01	10069.89	8980.00	32.05	31.00	90.00	1346.96	53.28	664.15	601.13	10.54	
10320.00	8980.01	10099.93	8980.00	32.47	31.41	90.00	1377.00	53.32	664.29	600.44	10.40	
10350.00	8980.01	10129.97	8980.00	32.90	31.84	90.00	1407.04	53.36	664.44	599.73	10.27	
10380.00	8980.01	10160.01	8980.00	33.33	32.26	90.00	1437.08	53.40	664.58	599.02	10.14	
10410.00	8980.01	10190.04	8980.00	33.76	32.69	90.00	1467.12	53.43	664.72	598.30	10.01	
10440.00	8980.01	10220.08	8980.00	34.20	33.12	90.00	1497.15	53.47	664.85	597.57	9.88	
10470.00	8980.01	10250.12	8980.00	34.64	33.55	90.00	1527.19	53.50	664.99	596.83	9.76	
10500.00	8980.01	10280.16	8980.00	35.08	33.99	90.00	1557.23	53.53	665.12	596.09	9.63	
10530.00	8980.01	10310.20	8980.00	35.52	34.43	90.00	1587.27	53.56	665.26	595.33	9.51	
10560.00	8980.01	10340.24	8980.00	35.97	34.87	90.00	1617.31	53.58	665.39	594.57	9.40	
10590.00	8980.01	10370.27	8980.00	36.42	35.32	90.00	1647.34	53.61	665.52	593.80	9.28	
10620.00	8980.01	10400.31	8980.00	36.88	35.77	90.00	1677.38	53.63	665.64	593.03	9.17	
10650.00	8980.01	10430.35	8980.00	37.33	36.22	90.00	1707.42	53.65	665.77	592.24	9.05	
10680.00	8980.01	10460.39	8980.00	37.79	36.68	90.00	1737.46	53.67	665.89	591.45	8.95	
10710.00	8980.01	10490.43	8980.00	38.25	37.13	90.00	1767.50	53.69	666.01	590.66	8.84	
10740.00	8980.01	10520.47	8980.00	38.71	37.59	90.00	1797.54	53.71	666.13	589.85	8.73	
10770.00	8980.01	10550.50	8980.00	39.18	38.06	90.00	1827.58	53.72	666.25	589.04	8.63	
10800.00	8980.01	10580.54	8980.00	39.64	38.52	90.00	1857.61	53.74	666.37	588.23	8.53	
10830.00	8980.01	10610.58	8980.00	40.12	38.99	90.00	1887.65	53.75	666.48	587.41	8.43	
10860.00	8980.01	10640.62	8980.00	40.59	39.46	90.00	1917.69	53.76	666.60	586.58	8.33	
10890.00	8980.01	10670.66	8980.00	41.06	39.93	90.00	1947.73	53.76	666.71	585.75	8.23	
10920.00	8980.01	10700.70	8980.00	41.54	40.40	90.00	1977.77	53.77	666.82	584.91	8.14	
10950.00	8980.01	10730.74	8980.00	42.01	40.87	90.00	2007.81	53.77	666.93	584.06	8.05	
10980.00	8980.01	10760.77	8980.00	42.49	41.35	90.00	2037.84	53.78	667.03	583.21	7.96	
11010.00	8980.01	10790.81	8980.00	42.97	41.83	90.00	2067.88	53.78	667.14	582.36	7.87	
11040.00	8980.01	10820.85	8980.00	43.45	42.31	90.00	2097.92	53.78	667.24	581.50	7.78	
11070.00	8980.01	10850.89	8980.00	43.94	42.79	90.00	2127.96	53.77	667.34	580.64	7.70	
11100.00	8980.01	10880.93	8980.00	44.42	43.27	90.00	2158.00	53.77	667.44	579.77	7.61	
11130.00	8980.01	10910.97	8980.00	44.91	43.76	90.00	2188.04	53.76	667.54	578.90	7.53	
11160.00	8980.01	10941.01	8980.00	45.40	44.24	90.00	2218.08	53.76	667.63	578.02	7.45	
11190.00	8980.01	10971.04	8980.00	45.88	44.73	90.00	2248.11	53.75	667.73	577.13	7.37	
11220.00	8980.01	11001.08	8980.00	46.37	45.22	90.00	2278.15	53.73	667.82	576.25	7.29	
11250.00	8980.01	11031.12	8980.00	46.87	45.71	90.00	2308.19	53.72	667.91	575.35	7.22	
11280.00	8980.02	11061.16	8980.00	47.36	46.20	90.00	2338.23	53.71	668.00	574.46	7.14	
11310.00	8980.02	11091.20	8980.00	47.85	46.70	90.00	2368.27	53.69	668.09	573.56	7.07	
11340.00	8980.02	11121.24	8980.00	48.35	47.19	90.00	2398.31	53.67	668.17	572.65	7.00	
11370.00	8980.02	11151.28	8980.00	48.85	47.69	90.00	2428.35	53.65	668.26	571.74	6.92	
11400.00	8980.02	11181.31	8980.00	49.34	48.18	90.00	2458.38	53.63	668.34	570.83	6.85	
11430.00	8980.02	11211.35	8980.00	49.84	48.68	90.00	2488.42	53.61	668.42	569.92	6.79	
11460.00	8980.02	11241.39	8980.00	50.34	49.18	90.00	2518.46	53.58	668.50	569.00	6.72	
11490.00	8980.02	11271.43	8980.00	50.84	49.68	90.00	2548.50	53.55	668.57	568.07	6.65	
11520.00	8980.02	11301.47	8980.00	51.34	50.18	90.00	2578.54	53.52	668.65	567.15	6.59	
11550.00	8980.02	11331.51	8980.00	51.85	50.68	90.00	2608.58	53.49	668.72	566.21	6.52	
11580.00	8980.02	11361.55	8980.00	52.35	51.18	90.00	2638.62	53.46	668.79	565.28	6.46	
11610.00	8980.02	11391.59	8980.00	52.85	51.69	90.00	2668.66	53.43	668.86	564.34	6.40	
11640.00	8980.02	11421.62	8980.00	53.36	52.19	90.00	2698.69	53.39	668.93	563.40	6.34	



Weatherford International Ltd.

Anticollision Report

**Weatherford®**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

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Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw Unit #136H
Well: Cotton Draw Unit #136H

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			
11670.00	8980.02	11451.66	8980.00	53.86	52.70	90.00	2728.73	53.35	669.00	562.45		6.28	
11700.00	8980.02	11481.70	8980.00	54.37	53.20	90.00	2758.77	53.32	669.06	561.50		6.22	
11730.00	8980.02	11511.74	8980.00	54.88	53.71	90.00	2788.81	53.27	669.12	560.55		6.16	
11760.00	8980.02	11541.78	8980.00	55.39	54.22	90.00	2818.85	53.23	669.18	559.59		6.11	
11790.00	8980.02	11571.82	8980.00	55.90	54.73	90.00	2848.89	53.19	669.24	558.64		6.05	
11820.00	8980.02	11601.86	8980.00	56.41	55.24	90.00	2878.93	53.14	669.30	557.68		6.00	
11850.00	8980.02	11631.90	8980.00	56.92	55.75	90.00	2908.97	53.09	669.36	556.71		5.94	
11880.00	8980.02	11661.93	8980.00	57.43	56.26	90.00	2939.00	53.04	669.41	555.74		5.89	
11910.00	8980.02	11691.97	8980.00	57.94	56.77	90.00	2969.04	52.99	669.46	554.77		5.84	
11940.00	8980.02	11722.01	8980.00	58.45	57.28	90.00	2999.08	52.94	669.51	553.79		5.79	
11970.00	8980.02	11752.05	8980.00	58.97	57.80	90.00	3029.12	52.88	669.56	552.82		5.74	
12000.00	8980.02	11782.09	8980.00	59.48	58.31	90.00	3059.16	52.83	669.61	551.84		5.69	
12030.00	8980.02	11812.13	8980.00	59.99	58.82	90.00	3089.20	52.77	669.66	550.85		5.64	
12060.00	8980.02	11842.17	8980.00	60.51	59.34	90.00	3119.24	52.71	669.70	549.87		5.59	
12090.00	8980.02	11872.21	8980.00	61.02	59.86	90.00	3149.28	52.65	669.74	548.88		5.54	
12120.00	8980.02	11902.24	8980.00	61.54	60.37	90.00	3179.31	52.58	669.78	547.88		5.49	
12150.00	8980.02	11932.28	8980.00	62.06	60.89	90.00	3209.35	52.52	669.82	546.89		5.45	
12180.00	8980.02	11962.32	8980.00	62.57	61.41	90.00	3239.39	52.45	669.86	545.89		5.40	
12210.00	8980.02	11992.36	8980.00	63.09	61.92	90.00	3269.43	52.38	669.89	544.89		5.36	
12240.00	8980.02	12022.40	8980.00	63.61	62.44	90.00	3299.47	52.31	669.92	543.89		5.32	
12270.00	8980.02	12052.44	8980.00	64.13	62.96	90.00	3329.51	52.24	669.96	542.88		5.27	
12300.00	8980.02	12082.48	8980.00	64.65	63.48	90.00	3359.55	52.16	669.99	541.87		5.23	
12330.00	8980.02	12112.52	8980.00	65.17	64.00	90.00	3389.59	52.09	670.01	540.86		5.19	
12360.00	8980.02	12142.56	8980.00	65.69	64.52	90.00	3419.62	52.01	670.04	539.84		5.15	
12390.00	8980.02	12172.59	8980.00	66.21	65.04	90.00	3449.66	51.93	670.06	538.83		5.11	
12420.00	8980.03	12202.63	8980.00	66.73	65.56	90.00	3479.70	51.85	670.09	537.81		5.07	
12450.00	8980.03	12232.67	8980.00	67.25	66.09	90.00	3509.74	51.77	670.11	536.78		5.03	
12480.00	8980.03	12262.71	8980.00	67.77	66.61	90.00	3539.78	51.68	670.13	535.76		4.99	
12510.00	8980.03	12292.75	8980.00	68.30	67.13	90.00	3569.82	51.59	670.14	534.73		4.95	
12540.00	8980.03	12322.79	8980.00	68.82	67.65	90.00	3599.86	51.51	670.16	533.70		4.91	
12570.00	8980.03	12352.83	8980.00	69.34	68.18	90.00	3629.90	51.42	670.17	532.67		4.87	
12600.00	8980.03	12382.87	8980.00	69.87	68.70	90.00	3659.93	51.33	670.19	531.63		4.84	
12630.00	8980.03	12412.91	8980.00	70.39	69.22	90.00	3689.97	51.23	670.20	530.60		4.80	
12660.00	8980.03	12442.94	8980.00	70.91	69.75	90.00	3720.01	51.14	670.21	529.55		4.77	
12690.00	8980.03	12472.98	8980.00	71.44	70.27	90.00	3750.05	51.04	670.21	528.51		4.73	
12720.00	8980.03	12503.02	8980.00	71.96	70.80	90.00	3780.09	50.94	670.22	527.47		4.70	
12750.00	8980.03	12533.06	8980.00	72.49	71.33	90.00	3810.13	50.84	670.22	526.42		4.66	
12780.00	8980.03	12563.10	8980.00	73.01	71.85	90.00	3840.17	50.74	670.22	525.37		4.63	
12810.00	8980.03	12593.14	8980.00	73.54	72.38	90.00	3870.21	50.64	670.22	524.32		4.59	
12840.00	8980.03	12623.18	8980.00	74.07	72.91	90.00	3900.24	50.53	670.22	523.26		4.56	
12870.00	8980.03	12653.22	8980.00	74.59	73.43	90.00	3930.28	50.42	670.22	522.20		4.53	
12900.00	8980.03	12683.26	8980.00	75.12	73.96	90.00	3960.32	50.31	670.21	521.15		4.50	
12930.00	8980.03	12713.29	8980.00	75.65	74.49	90.00	3990.36	50.20	670.21	520.08		4.46	
12960.00	8980.03	12743.33	8980.00	76.18	75.02	90.00	4020.40	50.09	670.20	519.02		4.43	
12990.00	8980.03	12773.37	8980.00	76.70	75.54	90.00	4050.44	49.98	670.19	517.95		4.40	
13020.00	8980.03	12803.41	8980.00	77.23	76.07	90.00	4080.48	49.86	670.17	516.88		4.37	
13050.00	8980.03	12833.45	8980.00	77.76	76.60	90.00	4110.52	49.74	670.16	515.81		4.34	
13080.00	8980.03	12863.49	8980.00	78.29	77.13	90.00	4140.55	49.62	670.14	514.74		4.31	
13110.00	8980.03	12893.53	8980.00	78.82	77.66	90.00	4170.59	49.50	670.13	513.66		4.28	
13140.00	8980.03	12923.57	8980.00	79.35	78.19	90.00	4200.63	49.38	670.11	512.58		4.25	
13170.00	8980.03	12953.61	8980.00	79.88	78.72	90.00	4230.67	49.25	670.09	511.50		4.23	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 21

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw Unit #136H
Well: Cotton Draw Unit #136H
Wellpath: 1 VO 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		
13200.00	8980.03	12983.64	8980.00	80.40	79.25	90.00	4260.71	49.13	670.07	510.42	4.20	
13230.00	8980.03	13013.68	8980.00	80.93	79.78	90.00	4290.75	49.00	670.04	509.34	4.17	
13260.00	8980.03	13043.72	8980.00	81.46	80.31	90.00	4320.79	48.87	670.01	508.25	4.14	
13290.00	8980.03	13073.76	8980.00	82.00	80.84	90.00	4350.82	48.74	669.99	507.16	4.11	
13320.00	8980.03	13103.80	8980.00	82.53	81.37	90.00	4380.86	48.60	669.96	506.07	4.09	
13350.00	8980.03	13133.84	8980.00	83.06	81.91	90.00	4410.90	48.47	669.93	504.98	4.06	
13380.00	8980.03	13163.88	8980.00	83.59	82.44	90.00	4440.94	48.33	669.89	503.88	4.04	
13410.00	8980.03	13193.92	8980.00	84.12	82.97	90.00	4470.98	48.19	669.86	502.78	4.01	
13440.00	8980.03	13223.96	8980.00	84.65	83.50	90.00	4501.02	48.05	669.82	501.68	3.98	
13470.00	8980.03	13253.99	8980.00	85.18	84.03	90.00	4531.06	47.91	669.78	500.58	3.96	
13500.00	8980.03	13284.03	8980.00	85.71	84.57	90.00	4561.09	47.77	669.74	499.47	3.93	
13530.00	8980.03	13314.07	8980.00	86.25	85.10	90.00	4591.13	47.62	669.70	498.37	3.91	
13560.00	8980.04	13344.11	8980.00	86.78	85.63	90.00	4621.17	47.47	669.66	497.26	3.88	
13590.00	8980.04	13374.15	8980.00	87.31	86.17	90.00	4651.21	47.32	669.61	496.15	3.86	
13620.00	8980.04	13404.19	8980.00	87.84	86.70	90.00	4681.25	47.17	669.57	495.03	3.84	
13650.00	8980.04	13434.23	8980.00	88.38	87.23	90.00	4711.29	47.02	669.52	493.92	3.81	
13680.00	8980.04	13464.27	8980.00	88.91	87.77	90.00	4741.32	46.87	669.47	492.80	3.79	
13710.00	8980.04	13494.30	8980.00	89.44	88.30	90.00	4771.36	46.71	669.42	491.68	3.77	
13740.00	8980.04	13524.34	8980.00	89.98	88.83	90.00	4801.40	46.55	669.36	490.56	3.74	
13770.00	8980.04	13554.38	8980.00	90.51	89.37	90.00	4831.44	46.39	669.31	489.44	3.72	
13800.00	8980.04	13584.42	8980.00	91.04	89.90	90.00	4861.48	46.23	669.25	488.31	3.70	
13830.00	8980.04	13614.46	8980.00	91.58	90.44	90.00	4891.52	46.07	669.19	487.18	3.68	
13860.00	8980.04	13644.50	8980.00	92.11	90.97	90.00	4921.55	45.90	669.13	486.05	3.65	
13890.00	8980.04	13674.54	8980.00	92.65	91.51	90.00	4951.59	45.74	669.07	484.92	3.63	
13920.00	8980.04	13704.58	8980.00	93.18	92.04	90.00	4981.63	45.57	669.00	483.79	3.61	
13950.00	8980.04	13734.61	8980.00	93.71	92.58	90.00	5011.67	45.40	668.94	482.65	3.59	
13980.00	8980.04	13764.65	8980.00	94.25	93.12	90.00	5041.71	45.23	668.87	481.51	3.57	
14010.00	8980.04	13794.69	8980.00	94.78	93.65	90.00	5071.75	45.05	668.80	480.37	3.55	
14040.00	8980.04	13824.73	8980.00	95.32	94.19	90.00	5101.78	44.88	668.73	479.23	3.53	
14070.00	8980.04	13854.77	8980.00	95.85	94.72	90.00	5131.82	44.70	668.65	478.09	3.51	
14100.00	8980.04	13884.81	8980.00	96.39	95.26	90.00	5161.86	44.52	668.58	476.94	3.49	
14130.00	8980.04	13914.85	8980.00	96.93	95.80	90.00	5191.90	44.34	668.50	475.79	3.47	
14160.00	8980.04	13944.89	8980.00	97.46	96.33	90.00	5221.94	44.16	668.42	474.64	3.45	
14190.00	8980.04	13974.92	8980.00	98.00	96.87	90.00	5251.97	43.98	668.34	473.49	3.43	
14220.00	8980.04	14004.96	8980.00	98.53	97.41	90.00	5282.01	43.79	668.26	472.33	3.41	
14250.00	8980.04	14035.00	8980.00	99.07	97.94	90.00	5312.05	43.60	668.18	471.18	3.39	
14280.00	8980.04	14065.04	8980.00	99.60	98.48	90.00	5342.09	43.41	668.09	470.02	3.37	
14310.00	8980.04	14095.08	8980.00	100.14	99.02	90.00	5372.13	43.22	668.01	468.86	3.35	
14340.00	8980.04	14125.12	8980.00	100.68	99.55	90.00	5402.16	43.03	667.92	467.69	3.34	
14370.00	8980.04	14155.16	8980.00	101.21	100.09	90.00	5432.20	42.84	667.83	466.53	3.32	
14400.00	8980.04	14185.20	8980.00	101.75	100.63	90.00	5462.24	42.64	667.73	465.36	3.30	
14430.00	8980.04	14215.23	8980.00	102.29	101.17	90.00	5492.28	42.44	667.64	464.20	3.28	
14460.00	8980.04	14245.27	8980.00	102.82	101.70	90.00	5522.32	42.24	667.55	463.02	3.26	
14490.00	8980.04	14275.31	8980.00	103.36	102.24	90.00	5552.35	42.04	667.45	461.85	3.25	
14520.00	8980.04	14305.35	8980.00	103.90	102.78	90.00	5582.39	41.84	667.35	460.68	3.23	
14550.00	8980.04	14335.39	8980.00	104.44	103.32	90.00	5612.43	41.63	667.25	459.50	3.21	
14580.00	8980.04	14365.43	8980.00	104.97	103.86	90.00	5642.47	41.43	667.15	458.32	3.19	
14610.00	8980.04	14395.46	8980.00	105.51	104.40	90.00	5672.51	41.22	667.04	457.14	3.18	
14640.00	8980.04	14425.50	8980.00	106.05	104.93	90.00	5702.54	41.01	666.93	455.96	3.16	
14670.00	8980.04	14455.54	8980.00	106.59	105.47	90.00	5732.58	40.80	666.83	454.78	3.14	



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 22

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw Unit #136H
Well: Cotton Draw Unit #136H
Wellpath: 1 VO Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	TVD	Offset MD	Offset TVD	Semi-Major Axis Ref	Offset	TFO-HS	Offset Location North	East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
14700.00	8980.05	14485.58	8980.00	107.12	106.01	90.00	5762.62	40.58	666.72	453.59	3.13	
14730.00	8980.05	14515.62	8980.00	107.66	106.55	90.00	5792.66	40.37	666.61	452.40	3.11	
14760.00	8980.05	14545.66	8980.00	108.20	107.09	90.00	5822.69	40.15	666.49	451.21	3.10	
14790.00	8980.05	14575.70	8980.00	108.74	107.63	90.00	5852.73	39.93	666.38	450.02	3.08	
14820.00	8980.05	14605.73	8980.00	109.28	108.17	90.00	5882.77	39.71	666.26	448.83	3.06	
14850.00	8980.05	14635.77	8980.00	109.81	108.71	90.00	5912.81	39.49	666.14	447.63	3.05	
14880.00	8980.05	14665.81	8980.00	110.35	109.25	90.00	5942.85	39.26	666.02	446.43	3.03	
14910.00	8980.05	14695.85	8980.00	110.89	109.79	90.00	5972.88	39.04	665.90	445.23	3.02	
14940.00	8980.05	14725.89	8980.00	111.43	110.33	90.00	6002.92	38.81	665.78	444.03	3.00	
14970.00	8980.05	14755.93	8980.00	111.97	110.87	90.00	6032.96	38.58	665.65	442.83	2.99	
15000.00	8980.05	14785.96	8980.00	112.51	111.41	90.00	6063.00	38.35	665.53	441.62	2.97	
15030.00	8980.05	14816.00	8980.00	113.05	111.95	90.00	6093.03	38.12	665.40	440.41	2.96	
15060.00	8980.05	14846.04	8980.00	113.58	112.49	90.00	6123.07	37.88	665.27	439.20	2.94	
15090.00	8980.05	14876.08	8980.00	114.12	113.03	90.00	6153.11	37.65	665.13	437.99	2.93	
15120.00	8980.05	14906.12	8980.00	114.66	113.57	90.00	6183.14	37.41	665.00	436.78	2.91	
15150.00	8980.05	14936.16	8980.00	115.20	114.11	90.00	6213.18	37.17	664.86	435.56	2.90	
15180.00	8980.05	14966.19	8980.00	115.74	114.65	90.00	6243.22	36.93	664.73	434.35	2.89	
15210.00	8980.05	14996.23	8980.00	116.28	115.19	90.00	6273.26	36.68	664.59	433.13	2.87	
15240.00	8980.05	15026.27	8980.00	116.82	115.73	90.00	6303.29	36.44	664.45	431.91	2.86	
15270.00	8980.05	15056.31	8980.00	117.36	116.27	90.00	6333.33	36.19	664.30	430.68	2.84	
15300.00	8980.05	15086.35	8980.00	117.90	116.81	90.00	6363.37	35.94	664.16	429.46	2.83	
15330.00	8980.05	15116.39	8980.00	118.44	117.35	90.00	6393.41	35.69	664.01	428.23	2.82	
15360.00	8980.05	15146.42	8980.00	118.98	117.89	90.00	6423.44	35.44	663.87	427.00	2.80	
15390.00	8980.05	15176.46	8980.00	119.52	118.43	90.00	6453.48	35.19	663.72	425.77	2.79	
15420.00	8980.05	15206.50	8980.00	120.06	118.97	90.00	6483.52	34.93	663.56	424.54	2.78	
15450.00	8980.05	15236.54	8980.00	120.60	119.51	90.00	6513.55	34.68	663.41	423.31	2.76	
15480.00	8980.05	15266.58	8980.00	121.14	120.06	90.00	6543.59	34.42	663.26	422.07	2.75	
15510.00	8980.05	15296.61	8980.00	121.68	120.60	90.00	6573.63	34.16	663.10	420.83	2.74	
15540.00	8980.05	15326.65	8980.00	122.22	121.14	90.00	6603.66	33.89	662.94	419.59	2.72	
15570.00	8980.05	15356.69	8980.00	122.76	121.68	90.00	6633.70	33.63	662.78	418.35	2.71	
15600.00	8980.05	15386.73	8980.00	123.30	122.22	90.00	6663.74	33.36	662.62	417.11	2.70	
15630.00	8980.05	15416.77	8980.00	123.84	122.76	90.00	6693.77	33.10	662.46	415.86	2.69	
15660.00	8980.05	15446.80	8980.00	124.38	123.31	90.00	6723.81	32.83	662.29	414.61	2.67	
15690.00	8980.05	15476.84	8980.00	124.92	123.85	90.00	6753.85	32.56	662.12	413.36	2.66	
15720.00	8980.05	15506.88	8980.00	125.46	124.39	90.00	6783.89	32.28	661.95	412.11	2.65	
15750.00	8980.05	15536.92	8980.00	126.00	124.93	90.00	6813.92	32.01	661.78	410.86	2.64	
15780.00	8980.05	15566.96	8980.00	126.54	125.47	90.00	6843.96	31.73	661.61	409.60	2.63	
15810.00	8980.05	15596.99	8980.00	127.08	126.01	90.00	6873.99	31.45	661.44	408.35	2.61	
15840.00	8980.06	15627.03	8980.00	127.62	126.56	90.00	6904.03	31.17	661.26	407.09	2.60	
15870.00	8980.06	15657.07	8980.00	128.16	127.10	90.00	6934.07	30.89	661.08	405.83	2.59	
15900.00	8980.06	15687.11	8980.00	128.71	127.64	90.00	6964.10	30.61	660.91	404.57	2.58	
15930.00	8980.06	15717.15	8980.00	129.25	128.18	90.00	6994.14	30.32	660.72	403.30	2.57	
15960.00	8980.06	15747.18	8980.00	129.79	128.73	90.00	7024.18	30.04	660.54	402.03	2.56	
15990.00	8980.06	15777.22	8980.00	130.33	129.27	90.00	7054.21	29.75	660.36	400.77	2.54	
16020.00	8980.06	15807.26	8980.00	130.87	129.81	90.00	7084.25	29.46	660.17	399.50	2.53	
16050.00	8980.06	15837.30	8980.00	131.41	130.35	90.00	7114.29	29.17	659.98	398.23	2.52	
16080.00	8980.06	15867.33	8980.00	131.95	130.90	90.00	7144.32	28.87	659.79	396.95	2.51	
16110.00	8980.06	15897.37	8980.00	132.49	131.44	90.00	7174.36	28.58	659.60	395.68	2.50	
16140.00	8980.06	15927.41	8980.00	133.04	131.98	89.99	7204.40	28.28	659.41	394.40	2.49	
16170.00	8980.06	15957.45	8980.00	133.58	132.52	89.99	7234.43	27.98	659.21	393.12	2.48	
16200.00	8980.06	15987.48	8980.00	134.12	133.07	89.99	7264.47	27.68	659.02	391.84	2.47	



Weatherford International Ltd.

Anticollision Report



Weatherford®

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Cotton Draw Unit #135H
Reference Well: Cotton Draw Unit #135H
Reference Wellpath: 1

Date: 11/1/2010

Time: 11:32:18

Page: 23

Co-ordinate(NE) Reference: Well: Cotton Draw Unit #135H, Grid North
Vertical (TVD) Reference: SITE 3446.0

Db: Sybase

Site: Cotton Draw Unit #136H

Well: Cotton Draw Unit #136H

Wellpath: 1 VO 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	Factor		
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft				
16230.00	8980.06	16017.52	8980.00	134.66	133.61	89.99	7294.50	27.38	658.82	390.56		2.46		
16260.00	8980.06	16047.56	8980.00	135.20	134.15	89.99	7324.54	27.07	658.62	389.27		2.45		
16290.00	8980.06	16077.60	8980.00	135.74	134.70	89.99	7354.58	26.77	658.42	387.98		2.43		
16320.00	8980.06	16107.63	8980.00	136.28	135.24	89.99	7384.61	26.46	658.21	386.70		2.42		
16350.00	8980.06	16137.67	8980.00	136.83	135.78	89.99	7414.65	26.15	658.01	385.41		2.41		
16380.00	8980.06	16167.71	8980.00	137.37	136.33	89.99	7444.68	25.84	657.80	384.11		2.40		
16410.00	8980.06	16197.75	8980.00	137.91	136.87	89.99	7474.72	25.53	657.59	382.82		2.39		
16440.00	8980.06	16227.78	8980.00	138.45	137.41	89.99	7504.75	25.21	657.38	381.52		2.38		
16470.00	8980.06	16257.82	8980.00	138.99	137.96	89.99	7534.79	24.90	657.17	380.23		2.37		
16500.00	8980.06	16287.86	8980.00	139.54	138.50	89.99	7564.83	24.58	656.96	378.93		2.36		
16530.00	8980.06	16317.90	8980.00	140.08	139.04	89.99	7594.86	24.26	656.74	377.63		2.35		
16560.00	8980.06	16347.93	8980.00	140.62	139.59	89.99	7624.90	23.94	656.52	376.32		2.34		
16590.00	8980.06	16377.97	8980.00	141.16	140.13	89.99	7654.93	23.61	656.30	375.02		2.33		
16620.00	8980.06	16408.01	8980.00	141.70	140.67	89.99	7684.97	23.29	656.08	373.71		2.32		
16640.89	8980.00	16412.34	8980.00	142.08	140.75	90.00	7689.30	23.24	656.08	373.25		2.32		

**Weatherford****Weatherford Drilling Services**

GeoDec v5.03

Report Date: November 01, 2010
Job Number: _____
Customer: Devon Energy
Well Name: Cotton Draw Unit #135H
API Number: _____
Rig Name: _____
Location: Eddy Co, NM
Block: _____
Engineer: R Joyner

US State Plane 1983	Geodetic Latitude / Longitude
System: New Mexico Eastern Zone	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: North American Datum 1983	Datum: North American Datum 1983
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
North/South 419734.160 USFT	Latitude 32.1525925 DEG
East/West 721236.800 USFT	Longitude -103.7520302 DEG
Grid Convergence: .31°	
Total Correction: +7.41°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.15259° N	32° 9 min 9.333 sec
Longitude =	103.75203° W	103° 45 min 7.309 sec

Magnetic Declination =	7.72°	[True North Offset]	
Local Gravity =	.9988 g	Checksum =	6466
Local Field Strength =	48616 nT	Magnetic Vector X =	24016 nT
Magnetic Dip =	60.10°	Magnetic Vector Y =	3254 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z =	42145 nT
Spud Date =	Jan 15, 2011	Magnetic Vector H =	24235 nT

Signed: _____

Date: _____

NOTES REGARDING BLOWOUT PREVENTERS

Devon Energy Production Company, LP

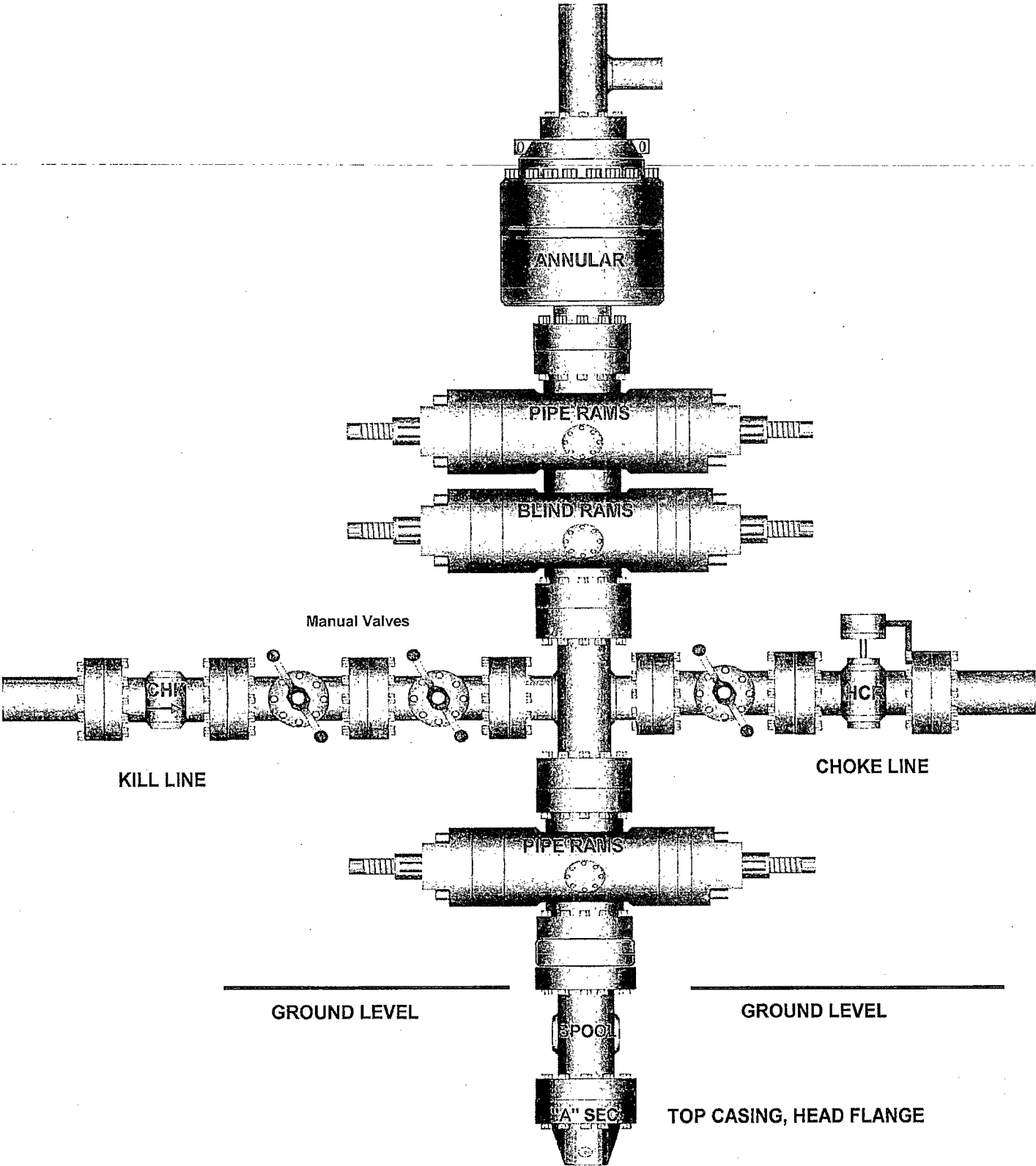
Cotton Draw Unit 135H

Surface Location: 200' FSL & 1600' FWL, Unit N, Sec 2 T25S R31E, Eddy, NM

Bottom Hole Location: 2600' FSL & 986' FWL, Unit L, Sec 35 T24S R31E, Eddy, 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 3,000 psi working pressure.
4. All fittings will be flanged.
5. A full bore safety valve tested to a minimum 3,000 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



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

