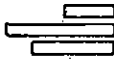




Weatherford[®]

Drilling Services

Proposal



devon

BILBERY 33 FED COM 3H

LEA COUNTY, NM

WELL FILE: **PLAN 1**

NOVEMBER 6, 2013

Weatherford International, Ltd.

P.O. Box 61028

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Oil Conservation Division

Case No. 12A 151294

Exhibit No. 12A 15130

devon

Bilbrey 33 Fed Com 3H
Lea County, New Mexico

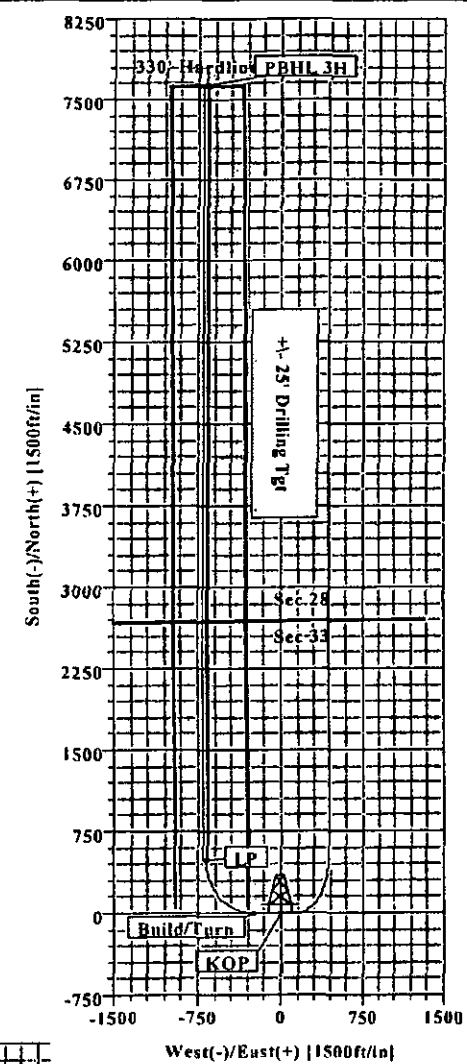
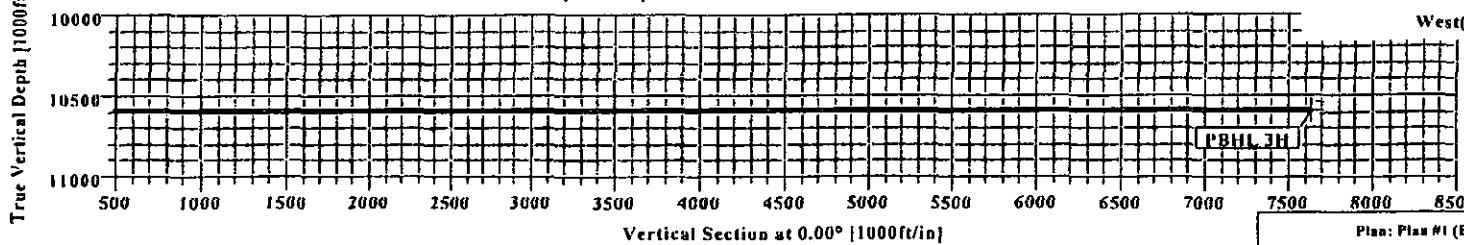
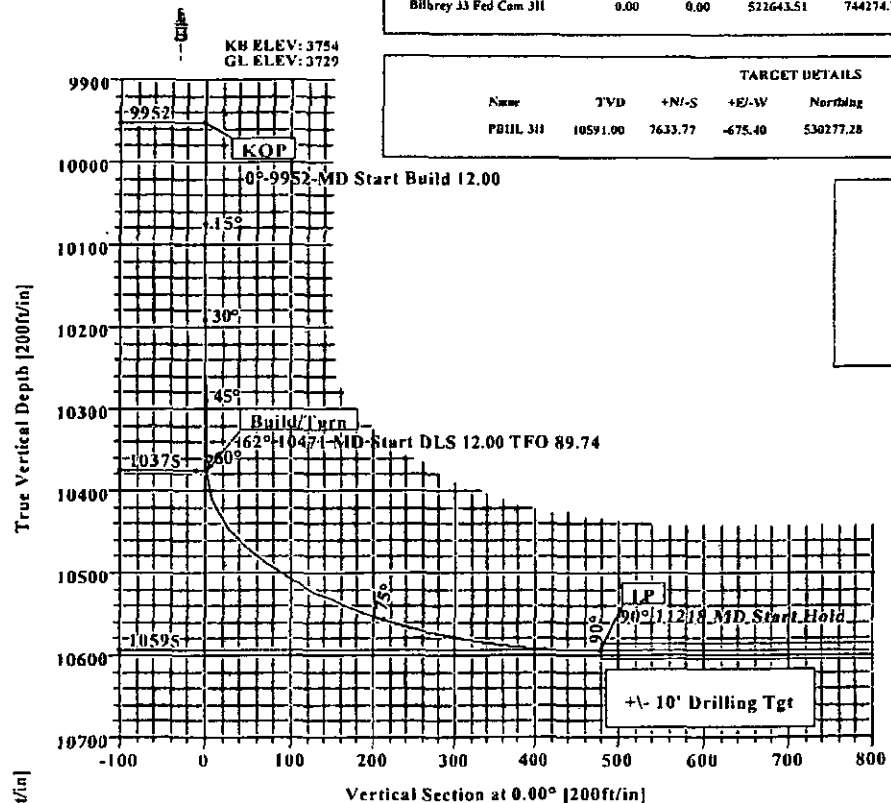
SECTION DETAILS										
Sec	MD	Inc	Ad	TVD	+N/-S	+E/-W	DIeg	TVacc	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	9952.05	0.00	0.00	9952.05	0.00	0.00	0.00	0.00	0.00	
3	10471.45	62.33	270.50	10374.90	2.23	-255.72	12.00	270.50	2.23	
4	11217.88	90.03	0.00	10594.72	479.80	-675.41	12.00	89.74	479.80	
5	18371.85	90.03	0.00	10591.00	7633.77	-675.40	0.00	0.00	7633.77	PBHL 3H

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Bilbrey 33 Fed Com 3H	0.00	0.00	522643.51	744274.73	32°26'06.332N	103°40'32.008W

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL 3H	10591.00	7633.77	-675.40	530277.28	743599.33	Rectangle (715x50)

SITE DETAILS
Bilbrey 33 Fed Com 3, 4H Pad
Site Centre Northing: 522643.51
Easting: 744274.73
Ground Level: 3729.00
Positional Uncertainty: 0.00
Convergence: 0.35

LEGEND
Bilbrey 33 Fed Com 4H (1)
Plan #1



Plan: Plan #1 (Bilbrey 33 Fed Com 3H/1)
Created By: Russell W. Joyner
Date: 11/20/2013





Weatherford Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy		Date: 11/5/2013	Time: 14:05:13	Page: 1
Field: Lea County, New Mexico (NAD 83)		Co-ordinate(NE) Reference: Well: Bilbrey 33 Fed Com 3H, Grid North		
Site: Bilbrey 33 Fed Com 3, 4H Pad		Vertical (TVD) Reference: SITE 3754.0		
Well: Bilbrey 33 Fed Com 3H		Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)		
Wellpath: 1		Survey Calculation Method: Minimum Curvature Db: Sybase		

Plan: Plan #1	Date Composed: 11/5/2013
Principal: Yes	Version: 1
	Tied-to: From Surface

Site: Bilbrey 33 Fed Com 3, 4H Pad	
Site Position:	Northing: 522643.51 ft Latitude: 32 26 6.332 N
From: Map	Easting: 744274.73 ft Longitude: 103 40 32.008 W
Position Uncertainty: 0.00 ft	North Reference: Grid
Ground Level: 3729.00 ft	Grid Convergence: 0.35 deg

Well: Bilbrey 33 Fed Com 3H		Slot Name:	
Well Position:	+N/-S 0.00 ft Northing: 522643.51 ft Latitude: 32 26 6.332 N	+E/-W 0.00 ft Easting: 744274.73 ft Longitude: 103 40 32.008 W	
Position Uncertainty: 0.00 ft			

Wellpath: 1		Drilled From: Surface	
Current Datum: SITE	Height: 3754.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 1/1/2014		Above System Datum: Mean Sea Level	
Field Strength: 48503 nT		Declination: 7.34 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 60.30 deg	
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	0.00

Plan Section Information										
MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9952.05	0.00	0.00	9952.05	0.00	0.00	0.00	0.00	0.00	0.00	
10471.45	62.33	270.50	10374.90	2.23	-255.72	12.00	12.00	0.00	270.50	
11217.88	90.03	0.00	10594.72	479.80	-675.41	12.00	3.71	11.99	89.74	
18371.85	90.03	0.00	10591.00	7633.77	-675.40	0.00	0.00	0.00	0.00	PBHL 3H

Survey										
MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comments
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
9900.00	0.00	0.00	9900.00	0.00	0.00	0.00	0.00	522643.51	744274.73	
9952.05	0.00	0.00	9952.05	0.00	0.00	0.00	0.00	522643.51	744274.73	KOP
10000.00	5.75	270.50	9999.92	0.02	-2.41	0.02	12.00	522643.53	744272.32	
10100.00	17.75	270.50	10097.64	0.20	-22.74	0.20	12.00	522643.71	744251.99	
10200.00	29.75	270.50	10189.00	0.55	-62.95	0.55	12.00	522644.06	744211.78	
10300.00	41.76	270.50	10270.01	1.06	-121.27	1.06	12.00	522644.57	744153.46	
10400.00	53.76	270.50	10337.11	1.70	-195.16	1.70	12.00	522645.21	744079.57	
10471.45	62.33	270.50	10374.90	2.23	-255.72	2.23	12.00	522645.74	744019.01	Build/Turn
10500.00	62.40	274.37	10388.14	3.31	-280.99	3.31	12.00	522646.82	743993.74	
10600.00	63.48	287.79	10433.81	20.41	-368.08	20.41	12.00	522663.92	743906.65	
10700.00	65.77	300.84	10476.81	57.59	-450.13	57.59	12.00	522701.10	743824.60	
10800.00	69.13	313.32	10515.28	113.22	-523.54	113.22	12.00	522756.73	743751.19	
10900.00	73.36	325.18	10547.52	184.86	-585.11	184.86	12.00	522828.37	743689.62	
11000.00	78.22	336.51	10572.14	269.39	-632.15	269.39	12.00	522912.90	743642.58	
11100.00	83.51	347.42	10588.06	363.11	-662.59	363.11	12.00	523006.62	743612.14	
11200.00	89.03	358.10	10594.58	461.93	-675.12	461.93	12.00	523105.44	743599.61	
11217.88	90.03	0.00	10594.72	479.80	-675.41	479.80	12.00	523123.31	743599.32	LP
11300.00	90.03	0.00	10594.68	561.92	-675.41	561.92	0.00	523205.43	743599.32	
11400.00	90.03	0.00	10594.63	661.92	-675.41	661.92	0.00	523305.43	743599.32	
11500.00	90.03	0.00	10594.57	761.92	-675.41	761.92	0.00	523405.43	743599.32	
11600.00	90.03	0.00	10594.52	861.92	-675.41	861.92	0.00	523505.43	743599.32	
11700.00	90.03	0.00	10594.47	961.92	-675.41	961.92	0.00	523605.43	743599.32	



Weatherford Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Site: Bilbrey 33 Fed Com 3, 4H Pad
Well: Bilbrey 33 Fed Com 3H
Wellpath: 1

Date: 11/5/2013 Time: 14:05:13 Page: 2
Co-ordinate(NE) Reference: Well: Bilbrey 33 Fed Com 3H, Grid North
Vertical (TVD) Reference: SITE 3754.0
Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
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	Comments
11800.00	90.03	0.00	10594.42	1061.92	-675.41	1061.92	0.00	523705.43	743599.32	
11900.00	90.03	0.00	10594.37	1161.92	-675.41	1161.92	0.00	523805.43	743599.32	
12000.00	90.03	0.00	10594.31	1261.92	-675.41	1261.92	0.00	523905.43	743599.32	
12100.00	90.03	0.00	10594.26	1361.92	-675.41	1361.92	0.00	524005.43	743599.32	
12200.00	90.03	0.00	10594.21	1461.92	-675.41	1461.92	0.00	524105.43	743599.32	
12300.00	90.03	0.00	10594.16	1561.92	-675.41	1561.92	0.00	524205.43	743599.32	
12400.00	90.03	0.00	10594.11	1661.92	-675.41	1661.92	0.00	524305.43	743599.32	
12500.00	90.03	0.00	10594.05	1761.92	-675.41	1761.92	0.00	524405.43	743599.32	
12600.00	90.03	0.00	10594.00	1861.92	-675.41	1861.92	0.00	524505.43	743599.32	
12700.00	90.03	0.00	10593.95	1961.92	-675.41	1961.92	0.00	524605.43	743599.32	
12800.00	90.03	0.00	10593.90	2061.92	-675.41	2061.92	0.00	524705.43	743599.32	
12900.00	90.03	0.00	10593.85	2161.92	-675.41	2161.92	0.00	524805.43	743599.32	
13000.00	90.03	0.00	10593.79	2261.92	-675.41	2261.92	0.00	524905.43	743599.32	
13100.00	90.03	0.00	10593.74	2361.92	-675.41	2361.92	0.00	525005.43	743599.32	
13200.00	90.03	0.00	10593.69	2461.92	-675.41	2461.92	0.00	525105.43	743599.32	
13300.00	90.03	0.00	10593.64	2561.92	-675.41	2561.92	0.00	525205.43	743599.32	
13400.00	90.03	0.00	10593.59	2661.92	-675.41	2661.92	0.00	525305.43	743599.32	
13500.00	90.03	0.00	10593.53	2761.92	-675.41	2761.92	0.00	525405.43	743599.32	
13600.00	90.03	0.00	10593.48	2861.92	-675.41	2861.92	0.00	525505.43	743599.32	
13700.00	90.03	0.00	10593.43	2961.92	-675.41	2961.92	0.00	525605.43	743599.32	
13800.00	90.03	0.00	10593.38	3061.92	-675.41	3061.92	0.00	525705.43	743599.32	
13900.00	90.03	0.00	10593.33	3161.92	-675.41	3161.92	0.00	525805.43	743599.32	
14000.00	90.03	0.00	10593.27	3261.92	-675.41	3261.92	0.00	525905.43	743599.32	
14100.00	90.03	0.00	10593.22	3361.92	-675.41	3361.92	0.00	526005.43	743599.32	
14200.00	90.03	0.00	10593.17	3461.92	-675.41	3461.92	0.00	526105.43	743599.32	
14300.00	90.03	0.00	10593.12	3561.92	-675.41	3561.92	0.00	526205.43	743599.32	
14400.00	90.03	0.00	10593.07	3661.92	-675.41	3661.92	0.00	526305.43	743599.32	
14500.00	90.03	0.00	10593.01	3761.92	-675.41	3761.92	0.00	526405.43	743599.32	
14600.00	90.03	0.00	10592.96	3861.92	-675.41	3861.92	0.00	526505.43	743599.32	
14700.00	90.03	0.00	10592.91	3961.92	-675.41	3961.92	0.00	526605.43	743599.32	
14800.00	90.03	0.00	10592.86	4061.92	-675.41	4061.92	0.00	526705.43	743599.32	
14900.00	90.03	0.00	10592.81	4161.92	-675.41	4161.92	0.00	526805.43	743599.32	
15000.00	90.03	0.00	10592.75	4261.92	-675.41	4261.92	0.00	526905.43	743599.32	
15100.00	90.03	0.00	10592.70	4361.92	-675.41	4361.92	0.00	527005.43	743599.32	
15200.00	90.03	0.00	10592.65	4461.92	-675.41	4461.92	0.00	527105.43	743599.32	
15300.00	90.03	0.00	10592.60	4561.92	-675.41	4561.92	0.00	527205.43	743599.32	
15400.00	90.03	0.00	10592.55	4661.92	-675.41	4661.92	0.00	527305.43	743599.32	
15500.00	90.03	0.00	10592.49	4761.92	-675.41	4761.92	0.00	527405.43	743599.32	
15600.00	90.03	0.00	10592.44	4861.92	-675.40	4861.92	0.00	527505.43	743599.33	
15700.00	90.03	0.00	10592.39	4961.92	-675.40	4961.92	0.00	527605.43	743599.33	
15800.00	90.03	0.00	10592.34	5061.92	-675.40	5061.92	0.00	527705.43	743599.33	
15900.00	90.03	0.00	10592.29	5161.92	-675.40	5161.92	0.00	527805.43	743599.33	
16000.00	90.03	0.00	10592.23	5261.92	-675.40	5261.92	0.00	527905.43	743599.33	
16100.00	90.03	0.00	10592.18	5361.92	-675.40	5361.92	0.00	528005.43	743599.33	
16200.00	90.03	0.00	10592.13	5461.92	-675.40	5461.92	0.00	528105.43	743599.33	
16300.00	90.03	0.00	10592.08	5561.92	-675.40	5561.92	0.00	528205.43	743599.33	
16400.00	90.03	0.00	10592.03	5661.92	-675.40	5661.92	0.00	528305.43	743599.33	
16500.00	90.03	0.00	10591.97	5761.92	-675.40	5761.92	0.00	528405.43	743599.33	
16600.00	90.03	0.00	10591.92	5861.92	-675.40	5861.92	0.00	528505.43	743599.33	
16700.00	90.03	0.00	10591.87	5961.92	-675.40	5961.92	0.00	528605.43	743599.33	
16800.00	90.03	0.00	10591.82	6061.92	-675.40	6061.92	0.00	528705.43	743599.33	
16900.00	90.03	0.00	10591.77	6161.92	-675.40	6161.92	0.00	528805.43	743599.33	
17000.00	90.03	0.00	10591.71	6261.92	-675.40	6261.92	0.00	528905.43	743599.33	



Weatherford Wft Plan Report X Y's.



Company: Devon Energy Date: 11/5/2013 Time: 14:05:13 Page: 3
Field: Lea County, New Mexico (NAD 83) Co-ordinate(NE) Reference: Well: Bilbrey 33 Fed Com 3H, Grid North
Site: Bilbrey 33 Fed Com 3, 4H Pad Vertical (TVD) Reference: SITE 3754.0
Well: Bilbrey 33 Fed Com 3H Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
Wellpath: 1 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	Comments
17100.00	90.03	0.00	10591.66	6361.92	-675.40	6361.92	0.00	529005.43	743599.33	
17200.00	90.03	0.00	10591.61	6461.92	-675.40	6461.92	0.00	529105.43	743599.33	
17300.00	90.03	0.00	10591.56	6561.92	-675.40	6561.92	0.00	529205.43	743599.33	
17400.00	90.03	0.00	10591.51	6661.92	-675.40	6661.92	0.00	529305.43	743599.33	
17500.00	90.03	0.00	10591.45	6761.92	-675.40	6761.92	0.00	529405.43	743599.33	
17600.00	90.03	0.00	10591.40	6861.92	-675.40	6861.92	0.00	529505.43	743599.33	
17700.00	90.03	0.00	10591.35	6961.92	-675.40	6961.92	0.00	529605.43	743599.33	
17800.00	90.03	0.00	10591.30	7061.92	-675.40	7061.92	0.00	529705.43	743599.33	
17900.00	90.03	0.00	10591.25	7161.92	-675.40	7161.92	0.00	529805.43	743599.33	
18000.00	90.03	0.00	10591.19	7261.92	-675.40	7261.92	0.00	529905.43	743599.33	
18100.00	90.03	0.00	10591.14	7361.92	-675.40	7361.92	0.00	530005.43	743599.33	
18200.00	90.03	0.00	10591.09	7461.92	-675.40	7461.92	0.00	530105.43	743599.33	
18300.00	90.03	0.00	10591.04	7561.92	-675.40	7561.92	0.00	530205.43	743599.33	
18371.85	90.03	0.00	10591.00	7633.77	-675.40	7633.77	0.00	530277.28	743599.33	PBHL 3H

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
PBHL 3H -Rectangle (7154x50)			10591.00	7633.77	-675.40	530277.28	743599.33	32 27 21.910 N	103 40 39.341 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Annotation

MD ft	TVD ft	
9952.05	9952.05	KOP
10471.45	10374.90	Build/Turn
11217.88	10594.72	LP
18371.84	10591.00	PBHL



Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy Date: 11/20/2013 Time: 09:09:23 Page: 1
Field: Lea County, New Mexico (NAD 83)
Reference Site: Bilbrey 33 Fed Com 3, 4H Pad Co-ordinate(NE) Reference: Well: Bilbrey 33 Fed Com 3H, Grid North
Reference Well: Bilbrey 33 Fed Com 3H Vertical (TVD) Reference: SITE 3754.0
Reference Wellpath: Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method MD + Stations Interval: 100.00 ft
Depth Range: 0.00 to 18371.85 ft
Maximum Radius 0000.00 ft

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

Plan: Plan #1 Date Composed: 11/5/2013
Version: 1
Principal: Yes Tied-to: From Surface

Summary

Site	Offset Wellpath Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Edge Distance ft	Separation Distance ft	Factor	Warning
Bilbrey 33 Fed Com 3H	Bilbrey 33 Fed Com 41 V0	Plan: Plan #2 V1	9900.00	9900.00	50.01	5.79	1.13	Level 2

Site: Bilbrey 33 Fed Com 3, 4H Pad
Well: Bilbrey 33 Fed Com 4H
Wellpath: 1 V0 Plan: Plan #2 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 Edge Distance ft	Separation Distance ft	Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.38	0.54	50.01	50.01			No Data
100.00	100.00	100.00	100.00	0.08	0.08	89.38	0.54	50.01	50.01	49.84	296.68	
200.00	200.00	200.00	200.00	0.31	0.31	89.38	0.54	50.01	50.01	49.39	80.91	
300.00	300.00	300.00	300.00	0.53	0.53	89.38	0.54	50.01	50.01	48.95	46.84	
400.00	400.00	400.00	400.00	0.76	0.76	89.38	0.54	50.01	50.01	48.50	32.96	
500.00	500.00	500.00	500.00	0.98	0.98	89.38	0.54	50.01	50.01	48.05	25.43	
600.00	600.00	600.00	600.00	1.21	1.21	89.38	0.54	50.01	50.01	47.60	20.70	
700.00	700.00	700.00	700.00	1.43	1.43	89.38	0.54	50.01	50.01	47.15	17.45	
800.00	800.00	800.00	800.00	1.66	1.66	89.38	0.54	50.01	50.01	46.70	15.09	
900.00	900.00	900.00	900.00	1.88	1.88	89.38	0.54	50.01	50.01	46.25	13.28	
1000.00	1000.00	1000.00	1000.00	2.11	2.11	89.38	0.54	50.01	50.01	45.80	11.87	
1100.00	1100.00	1100.00	1100.00	2.33	2.33	89.38	0.54	50.01	50.01	45.35	10.72	
1200.00	1200.00	1200.00	1200.00	2.56	2.56	89.38	0.54	50.01	50.01	44.90	9.78	
1300.00	1300.00	1300.00	1300.00	2.78	2.78	89.38	0.54	50.01	50.01	44.45	8.99	
1400.00	1400.00	1400.00	1400.00	3.01	3.01	89.38	0.54	50.01	50.01	44.00	8.32	
1500.00	1500.00	1500.00	1500.00	3.23	3.23	89.38	0.54	50.01	50.01	43.55	7.74	
1600.00	1600.00	1600.00	1600.00	3.46	3.46	89.38	0.54	50.01	50.01	43.10	7.24	
1700.00	1700.00	1700.00	1700.00	3.68	3.68	89.38	0.54	50.01	50.01	42.65	6.79	
1800.00	1800.00	1800.00	1800.00	3.91	3.91	89.38	0.54	50.01	50.01	42.20	6.40	
1900.00	1900.00	1900.00	1900.00	4.13	4.13	89.38	0.54	50.01	50.01	41.75	6.05	
2000.00	2000.00	2000.00	2000.00	4.35	4.35	89.38	0.54	50.01	50.01	41.30	5.74	
2100.00	2100.00	2100.00	2100.00	4.58	4.58	89.38	0.54	50.01	50.01	40.85	5.46	
2200.00	2200.00	2200.00	2200.00	4.80	4.80	89.38	0.54	50.01	50.01	40.40	5.20	
2300.00	2300.00	2300.00	2300.00	5.03	5.03	89.38	0.54	50.01	50.01	39.95	4.97	
2400.00	2400.00	2400.00	2400.00	5.25	5.25	89.38	0.54	50.01	50.01	39.51	4.76	
2500.00	2500.00	2500.00	2500.00	5.48	5.48	89.38	0.54	50.01	50.01	39.06	4.56	
2600.00	2600.00	2600.00	2600.00	5.70	5.70	89.38	0.54	50.01	50.01	38.61	4.38	
2700.00	2700.00	2700.00	2700.00	5.93	5.93	89.38	0.54	50.01	50.01	38.16	4.22	
2800.00	2800.00	2800.00	2800.00	6.15	6.15	89.38	0.54	50.01	50.01	37.71	4.06	
2900.00	2900.00	2900.00	2900.00	6.38	6.38	89.38	0.54	50.01	50.01	37.26	3.92	
3000.00	3000.00	3000.00	3000.00	6.60	6.60	89.38	0.54	50.01	50.01	36.81	3.79	
3100.00	3100.00	3100.00	3100.00	6.83	6.83	89.38	0.54	50.01	50.01	36.36	3.66	
3200.00	3200.00	3200.00	3200.00	7.05	7.05	89.38	0.54	50.01	50.01	35.91	3.55	
3300.00	3300.00	3300.00	3300.00	7.28	7.28	89.38	0.54	50.01	50.01	35.46	3.44	
3400.00	3400.00	3400.00	3400.00	7.50	7.50	89.38	0.54	50.01	50.01	35.01	3.33	
3500.00	3500.00	3500.00	3500.00	7.73	7.73	89.38	0.54	50.01	50.01	34.56	3.24	



Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy Date: 11/20/2013 Time: 09:09:23 Page: 2
Field: Lea County, New Mexico (NAD 83)
Reference Site: Bilbrey 33 Fed Com 3, 4H Pad Co-ordinate(NE) Reference: Well: Bilbrey 33 Fed Com 3H, Grid North
Reference Well: Bilbrey 33 Fed Com 3H Vertical (TVD) Reference: SITE 3754.0
Reference Wellpath: Db: Sybase

Site: Bilbrey 33 Fed Com 3, 4H Pad
Well: Bilbrey 33 Fed Com 4H
Wellpath: 1 V0 Plan: Plan #2 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 Edge Distance ft	Separation Distance ft	Factor	Warning
3600.00	3600.00	3600.00	3600.00	7.95	7.95	89.38	0.54	50.01	50.01	34.11	3.15	
3700.00	3700.00	3700.00	3700.00	8.18	8.18	89.38	0.54	50.01	50.01	33.66	3.06	
3800.00	3800.00	3800.00	3800.00	8.40	8.40	89.38	0.54	50.01	50.01	33.21	2.98	
3900.00	3900.00	3900.00	3900.00	8.63	8.63	89.38	0.54	50.01	50.01	32.76	2.90	
4000.00	4000.00	4000.00	4000.00	8.85	8.85	89.38	0.54	50.01	50.01	32.31	2.83	
4100.00	4100.00	4100.00	4100.00	9.07	9.07	89.38	0.54	50.01	50.01	31.86	2.76	
4200.00	4200.00	4200.00	4200.00	9.30	9.30	89.38	0.54	50.01	50.01	31.41	2.69	
4300.00	4300.00	4300.00	4300.00	9.52	9.52	89.38	0.54	50.01	50.01	30.96	2.63	
4400.00	4400.00	4400.00	4400.00	9.75	9.75	89.38	0.54	50.01	50.01	30.51	2.56	
4500.00	4500.00	4500.00	4500.00	9.97	9.97	89.38	0.54	50.01	50.01	30.06	2.51	
4600.00	4600.00	4600.00	4600.00	10.20	10.20	89.38	0.54	50.01	50.01	29.62	2.45	
4700.00	4700.00	4700.00	4700.00	10.42	10.42	89.38	0.54	50.01	50.01	29.17	2.40	
4800.00	4800.00	4800.00	4800.00	10.65	10.65	89.38	0.54	50.01	50.01	28.72	2.35	
4900.00	4900.00	4900.00	4900.00	10.87	10.87	89.38	0.54	50.01	50.01	28.27	2.30	
5000.00	5000.00	5000.00	5000.00	11.10	11.10	89.38	0.54	50.01	50.01	27.82	2.25	
5100.00	5100.00	5100.00	5100.00	11.32	11.32	89.38	0.54	50.01	50.01	27.37	2.21	
5200.00	5200.00	5200.00	5200.00	11.55	11.55	89.38	0.54	50.01	50.01	26.92	2.17	
5300.00	5300.00	5300.00	5300.00	11.77	11.77	89.38	0.54	50.01	50.01	26.47	2.12	
5400.00	5400.00	5400.00	5400.00	12.00	12.00	89.38	0.54	50.01	50.01	26.02	2.08	
5500.00	5500.00	5500.00	5500.00	12.22	12.22	89.38	0.54	50.01	50.01	25.57	2.05	
5600.00	5600.00	5600.00	5600.00	12.45	12.45	89.38	0.54	50.01	50.01	25.12	2.01	
5700.00	5700.00	5700.00	5700.00	12.67	12.67	89.38	0.54	50.01	50.01	24.67	1.97	
5800.00	5800.00	5800.00	5800.00	12.90	12.90	89.38	0.54	50.01	50.01	24.22	1.94	
5900.00	5900.00	5900.00	5900.00	13.12	13.12	89.38	0.54	50.01	50.01	23.77	1.91	
6000.00	6000.00	6000.00	6000.00	13.35	13.35	89.38	0.54	50.01	50.01	23.32	1.87	
6100.00	6100.00	6100.00	6100.00	13.57	13.57	89.38	0.54	50.01	50.01	22.87	1.84	
6200.00	6200.00	6200.00	6200.00	13.80	13.80	89.38	0.54	50.01	50.01	22.42	1.81	
6300.00	6300.00	6300.00	6300.00	14.02	14.02	89.38	0.54	50.01	50.01	21.97	1.78	
6400.00	6400.00	6400.00	6400.00	14.24	14.24	89.38	0.54	50.01	50.01	21.52	1.76	
6500.00	6500.00	6500.00	6500.00	14.47	14.47	89.38	0.54	50.01	50.01	21.07	1.73	
6600.00	6600.00	6600.00	6600.00	14.69	14.69	89.38	0.54	50.01	50.01	20.62	1.70	
6700.00	6700.00	6700.00	6700.00	14.92	14.92	89.38	0.54	50.01	50.01	20.18	1.68	
6800.00	6800.00	6800.00	6800.00	15.14	15.14	89.38	0.54	50.01	50.01	19.73	1.65	
6900.00	6900.00	6900.00	6900.00	15.37	15.37	89.38	0.54	50.01	50.01	19.28	1.63	
7000.00	7000.00	7000.00	7000.00	15.59	15.59	89.38	0.54	50.01	50.01	18.83	1.60	
7100.00	7100.00	7100.00	7100.00	15.82	15.82	89.38	0.54	50.01	50.01	18.38	1.58	
7200.00	7200.00	7200.00	7200.00	16.04	16.04	89.38	0.54	50.01	50.01	17.93	1.56	
7300.00	7300.00	7300.00	7300.00	16.27	16.27	89.38	0.54	50.01	50.01	17.48	1.54	
7400.00	7400.00	7400.00	7400.00	16.49	16.49	89.38	0.54	50.01	50.01	17.03	1.52	
7500.00	7500.00	7500.00	7500.00	16.72	16.72	89.38	0.54	50.01	50.01	16.58	1.50	Level 3
7600.00	7600.00	7600.00	7600.00	16.94	16.94	89.38	0.54	50.01	50.01	16.13	1.48	Level 3
7700.00	7700.00	7700.00	7700.00	17.17	17.17	89.38	0.54	50.01	50.01	15.68	1.46	Level 3
7800.00	7800.00	7800.00	7800.00	17.39	17.39	89.38	0.54	50.01	50.01	15.23	1.44	Level 3
7900.00	7900.00	7900.00	7900.00	17.62	17.62	89.38	0.54	50.01	50.01	14.78	1.42	Level 3
8000.00	8000.00	8000.00	8000.00	17.84	17.84	89.38	0.54	50.01	50.01	14.33	1.40	Level 3
8100.00	8100.00	8100.00	8100.00	18.07	18.07	89.38	0.54	50.01	50.01	13.88	1.38	Level 3
8200.00	8200.00	8200.00	8200.00	18.29	18.29	89.38	0.54	50.01	50.01	13.43	1.37	Level 3
8300.00	8300.00	8300.00	8300.00	18.52	18.52	89.38	0.54	50.01	50.01	12.98	1.35	Level 3
8400.00	8400.00	8400.00	8400.00	18.74	18.74	89.38	0.54	50.01	50.01	12.53	1.33	Level 3
8500.00	8500.00	8500.00	8500.00	18.96	18.96	89.38	0.54	50.01	50.01	12.08	1.32	Level 3
8600.00	8600.00	8600.00	8600.00	19.19	19.19	89.38	0.54	50.01	50.01	11.63	1.30	Level 3



Weatherford Anticollision Report



Weatherford

Company: Devon Energy Date: 11/20/2013 Time: 09:09:23 Page: 3
Field: Lea County, New Mexico (NAD 83)
Reference Site: Bilbrey 33 Fed Com 3, 4H Pad Co-ordinate(NE) Reference: Well: Bilbrey 33 Fed Com 3H, Grid North
Reference Well: Bilbrey 33 Fed Com 3H Vertical (TVD) Reference: SITE 3754.0
Reference Wellpath: Db: Sybase

Site: Bilbrey 33 Fed Com 3, 4H Pad
Well: Bilbrey 33 Fed Com 4H
Wellpath: 1 VO Plan: Plan #2 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation		Warning
MD ft	TVD ft	MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft	Distance ft	Distance ft	Factor		
8700.00	8700.00	8700.00	8700.00	19.41	19.41	89.38	0.54	50.01	50.01	11.18	1.29	Level 3	
8800.00	8800.00	8800.00	8800.00	19.64	19.64	89.38	0.54	50.01	50.01	10.74	1.27	Level 3	
8900.00	8900.00	8900.00	8900.00	19.86	19.86	89.38	0.54	50.01	50.01	10.29	1.26	Level 3	
9000.00	9000.00	9000.00	9000.00	20.09	20.09	89.38	0.54	50.01	50.01	9.84	1.24	Level 2	
9100.00	9100.00	9100.00	9100.00	20.31	20.31	89.38	0.54	50.01	50.01	9.39	1.23	Level 2	
9200.00	9200.00	9200.00	9200.00	20.54	20.54	89.38	0.54	50.01	50.01	8.94	1.22	Level 2	
9300.00	9300.00	9300.00	9300.00	20.76	20.76	89.38	0.54	50.01	50.01	8.49	1.20	Level 2	
9400.00	9400.00	9400.00	9400.00	20.99	20.99	89.38	0.54	50.01	50.01	8.04	1.19	Level 2	
9500.00	9500.00	9500.00	9500.00	21.21	21.21	89.38	0.54	50.01	50.01	7.59	1.18	Level 2	
9600.00	9600.00	9600.00	9600.00	21.44	21.44	89.38	0.54	50.01	50.01	7.14	1.17	Level 2	
9700.00	9700.00	9700.00	9700.00	21.66	21.66	89.38	0.54	50.01	50.01	6.69	1.15	Level 2	
9800.00	9800.00	9800.00	9800.00	21.89	21.89	89.38	0.54	50.01	50.01	6.24	1.14	Level 2	
9900.00	9900.00	9900.00	9900.00	22.11	22.11	89.38	0.54	50.01	50.01	5.79	1.13	Level 2	
9952.05	9952.05	9950.04	9950.03	22.23	22.22	89.38	0.55	50.39	50.44	6.00	1.13	Level 2	
9975.00	9974.99	9970.68	9970.63	22.28	22.26	178.87	0.58	51.66	52.40	7.93	1.18	Level 2	
10000.00	9999.92	9992.75	9992.57	22.33	22.31	178.86	0.63	54.01	56.89	12.44	1.28	Level 3	
10025.00	10024.72	10014.09	10013.67	22.38	22.35	178.86	0.70	57.23	63.76	19.40	1.44	Level 3	
10050.00	10049.31	10034.44	10033.63	22.43	22.39	178.86	0.78	61.19	72.91	28.69	1.65		
10075.00	10073.65	10053.60	10052.25	22.48	22.43	178.86	0.88	65.68	84.19	40.17	1.91		
10100.00	10097.64	10071.40	10069.38	22.53	22.47	178.85	0.99	70.52	97.45	53.67	2.23		
10125.00	10121.24	10087.75	10084.94	22.59	22.50	178.84	1.10	75.53	112.53	69.03	2.59		
10150.00	10144.38	10102.58	10098.91	22.64	22.54	178.82	1.21	80.53	129.24	86.06	2.99		
10175.00	10166.99	10115.89	10111.30	22.70	22.56	178.78	1.31	85.38	147.42	104.59	3.44		
10200.00	10189.00	10127.69	10122.16	22.76	22.59	178.74	1.41	89.97	166.89	124.42	3.93		
10225.00	10210.37	10138.02	10131.59	22.82	22.61	178.67	1.50	94.21	187.49	145.40	4.46		
10250.00	10231.03	10146.95	10139.65	22.89	22.64	178.59	1.59	98.04	209.06	167.37	5.01		
10275.00	10250.93	10154.55	10148.46	22.97	22.65	178.47	1.66	101.42	231.45	190.17	5.61		
10300.00	10270.01	10160.90	10152.11	23.05	22.67	178.32	1.73	104.32	254.54	213.68	6.23		
10325.00	10288.21	10166.08	10156.69	23.13	22.68	178.10	1.78	106.75	278.20	237.75	6.88		
10350.00	10305.50	10170.18	10160.29	23.23	22.69	177.76	1.82	108.70	302.31	262.28	7.55		
10375.00	10321.81	10173.28	10163.00	23.34	22.70	177.21	1.85	110.20	326.78	287.14	8.25		
10400.00	10337.11	10175.45	10164.90	23.46	22.70	176.15	1.88	111.25	351.49	312.25	8.96		
10425.00	10351.36	10176.77	10166.05	23.59	22.71	173.35	1.89	111.90	376.38	337.47	9.67		
10450.00	10364.51	10177.30	10166.51	23.73	22.71	149.03	1.90	112.17	401.36	361.07	9.96		
10471.45	10374.90	10177.18	10166.41	23.87	22.71	11.73	1.89	112.11	422.81	384.31	10.98		
10475.00	10376.55	10177.12	10166.35	23.89	22.71	23.20	1.89	112.08	426.36	386.97	10.83		
10500.00	10388.14	10176.71	10165.99	24.05	22.71	61.72	1.89	111.87	451.32	407.60	10.32		
10525.00	10399.70	10176.32	10165.66	24.22	22.71	70.96	1.89	111.68	476.21	431.60	10.67		
10550.00	10411.18	10175.00	10164.51	24.39	22.70	73.32	1.87	111.04	500.97	456.02	11.15		
10575.00	10422.56	10175.00	10164.51	24.56	22.70	74.64	1.87	111.04	525.55	480.35	11.63		
10600.00	10433.81	10175.00	10164.51	24.73	22.70	74.92	1.87	111.04	549.93	504.53	12.11		
10625.00	10444.88	10175.00	10164.51	24.90	22.70	74.67	1.87	111.04	574.05	528.49	12.60		
10650.00	10455.76	10175.00	10164.51	25.06	22.70	74.11	1.87	111.04	597.89	552.19	13.08		
10675.00	10466.41	10175.00	10164.51	25.21	22.70	73.38	1.87	111.04	621.43	575.59	13.56		
10700.00	10476.81	10175.00	10164.51	25.36	22.70	72.55	1.87	111.04	644.63	598.68	14.03		
10725.00	10486.92	10175.00	10164.51	25.49	22.70	71.67	1.87	111.04	667.46	621.42	14.50		
10750.00	10496.72	10175.00	10164.51	25.62	22.70	70.77	1.87	111.04	689.91	643.78	14.96		
10775.00	10506.18	10175.00	10164.51	25.73	22.70	69.87	1.87	111.04	711.96	665.76	15.41		
10800.00	10515.28	10175.00	10164.51	25.83	22.70	68.99	1.87	111.04	733.57	687.33	15.86		
10825.00	10523.98	10175.00	10164.51	25.92	22.70	68.13	1.87	111.04	754.74	708.46	16.31		
10850.00	10532.27	10175.00	10164.51	25.99	22.70	67.30	1.87	111.04	775.44	729.14	16.75		



Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy Date: 11/20/2013 Time: 09:09:23 Page: 4
Field: Lea County, New Mexico (NAD 83)
Reference Site: Bilbrey 33 Fed Com 3, 4H Pad Co-ordinate(NE) Reference: Well: Bilbrey 33 Fed Com 3H, Grid North
Reference Well: Bilbrey 33 Fed Com 3H Vertical (TVD) Reference: SITE 3754.0
Reference Wellpath: Db: Sybase

Site: Bilbrey 33 Fed Com 3, 4H Pad
Well: Bilbrey 33 Fed Com 4H
Wellpath: 1 V0 Plan: Plan #2 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 Edge Distance ft	Separation Distance ft	Factor	Warning
10875.00	10540.13	10175.00	10164.51	26.05	22.70	66.52	1.87	111.04	795.65	749.36	17.19	
10900.00	10547.52	10175.00	10164.51	26.10	22.70	65.78	1.87	111.04	815.36	769.09	17.62	
10925.00	10554.44	10175.00	10164.51	26.13	22.70	65.09	1.87	111.04	834.55	788.31	18.05	
10950.00	10560.86	10175.00	10164.51	26.14	22.70	64.46	1.87	111.04	853.20	807.02	18.47	
10975.00	10566.77	10175.00	10164.51	26.14	22.70	63.88	1.87	111.04	871.31	825.19	18.89	
11000.00	10572.14	10175.00	10164.51	26.12	22.70	63.35	1.87	111.04	888.85	842.81	19.31	
11025.00	10576.97	10175.00	10164.51	26.09	22.70	62.89	1.87	111.04	905.81	859.87	19.72	
11050.00	10581.24	10175.00	10164.51	26.05	22.70	62.48	1.87	111.04	922.18	876.35	20.12	
11075.00	10584.94	10175.00	10164.51	25.99	22.70	62.13	1.87	111.04	937.95	892.23	20.52	
11100.00	10588.06	10175.00	10164.51	25.92	22.70	61.85	1.87	111.04	953.10	907.50	20.90	
11125.00	10590.59	10175.00	10164.51	25.84	22.70	61.62	1.87	111.04	967.61	922.15	21.28	
11150.00	10592.52	10175.00	10164.51	25.76	22.70	61.45	1.87	111.04	981.49	936.16	21.65	
11175.00	10593.85	10175.00	10164.51	25.66	22.70	61.35	1.87	111.04	994.73	949.52	22.01	
11200.00	10594.58	10175.00	10164.51	25.56	22.70	61.30	1.87	111.04	1007.30	962.22	22.35	
11217.88	10594.72	10175.00	10164.51	25.48	22.70	61.31	1.87	111.04	1015.87	970.89	22.58	
11300.00	10594.68	10175.00	10164.51	26.03	22.70	61.31	1.87	111.04	1056.98	1011.42	23.20	
11400.00	10594.63	11166.89	10594.81	26.77	26.21	90.01	661.94	432.65	1108.06	1055.09	20.92	
11500.00	10594.57	11266.89	10594.76	27.61	27.01	90.01	761.94	432.65	1108.06	1053.45	20.29	
11600.00	10594.52	11366.89	10594.71	28.54	27.91	90.01	861.94	432.65	1108.06	1051.62	19.63	
11700.00	10594.47	11466.89	10594.65	29.56	28.89	90.01	961.94	432.65	1108.06	1049.62	18.96	
11800.00	10594.42	11566.89	10594.60	30.65	29.95	90.01	1061.94	432.64	1108.06	1047.47	18.29	
11900.00	10594.37	11666.89	10594.54	31.81	31.09	90.01	1161.94	432.64	1108.05	1045.17	17.62	
12000.00	10594.31	11766.89	10594.49	33.03	32.28	90.01	1261.94	432.64	1108.05	1042.75	16.97	
12100.00	10594.26	11866.89	10594.43	34.31	33.54	90.01	1361.94	432.64	1108.05	1040.22	16.34	
12200.00	10594.21	11966.89	10594.38	35.63	34.84	90.01	1461.94	432.64	1108.05	1037.59	15.73	
12300.00	10594.16	12066.89	10594.32	36.99	36.19	90.01	1561.94	432.63	1108.04	1034.88	15.14	
12400.00	10594.11	12166.89	10594.27	38.40	37.58	90.01	1661.94	432.63	1108.04	1032.08	14.59	
12500.00	10594.05	12266.89	10594.21	39.84	39.01	90.01	1761.94	432.63	1108.04	1029.21	14.06	
12600.00	10594.00	12366.89	10594.16	41.30	40.47	90.01	1861.94	432.63	1108.04	1026.29	13.55	
12700.00	10593.95	12466.89	10594.11	42.80	41.96	90.01	1961.94	432.63	1108.04	1023.30	13.08	
12800.00	10593.90	12566.89	10594.05	44.32	43.47	90.01	2061.94	432.62	1108.03	1020.26	12.62	
12900.00	10593.85	12666.89	10594.00	45.86	45.01	90.01	2161.94	432.62	1108.03	1017.18	12.20	
13000.00	10593.79	12766.89	10593.94	47.43	46.57	90.01	2261.94	432.62	1108.03	1014.05	11.79	
13100.00	10593.74	12866.89	10593.89	49.01	48.14	90.01	2361.94	432.62	1108.03	1010.89	11.41	
13200.00	10593.69	12966.89	10593.83	50.61	49.74	90.01	2461.94	432.62	1108.03	1007.70	11.04	
13300.00	10593.64	13066.89	10593.78	52.22	51.35	90.01	2561.94	432.62	1108.02	1004.47	10.70	
13400.00	10593.59	13166.89	10593.72	53.85	52.97	90.01	2661.94	432.61	1108.02	1001.22	10.37	
13500.00	10593.53	13266.89	10593.67	55.49	54.61	90.01	2761.94	432.61	1108.02	997.94	10.07	
13600.00	10593.48	13366.89	10593.61	57.14	56.25	90.01	2861.94	432.61	1108.02	994.64	9.77	
13700.00	10593.43	13466.89	10593.56	58.80	57.91	90.01	2961.94	432.61	1108.02	991.32	9.49	
13800.00	10593.38	13566.89	10593.50	60.47	59.58	90.01	3061.94	432.61	1108.01	987.97	9.23	
13900.00	10593.33	13666.89	10593.45	62.15	61.26	90.01	3161.94	432.60	1108.01	984.61	8.98	
14000.00	10593.27	13766.89	10593.40	63.84	62.95	90.01	3261.94	432.60	1108.01	981.24	8.74	
14100.00	10593.22	13866.89	10593.34	65.53	64.64	90.01	3361.94	432.60	1108.01	977.85	8.51	
14200.00	10593.17	13966.89	10593.29	67.24	66.34	90.01	3461.94	432.60	1108.01	974.44	8.30	
14300.00	10593.12	14066.89	10593.23	68.95	68.05	90.01	3561.94	432.60	1108.00	971.02	8.09	
14400.00	10593.07	14166.89	10593.18	70.66	69.76	90.01	3661.94	432.59	1108.00	967.59	7.89	
14500.00	10593.01	14266.89	10593.12	72.38	71.48	90.01	3761.94	432.59	1108.00	964.15	7.70	
14600.00	10592.96	14366.89	10593.07	74.11	73.21	90.01	3861.94	432.59	1108.00	960.70	7.52	
14700.00	10592.91	14466.89	10593.01	75.84	74.94	90.01	3961.94	432.59	1108.00	957.23	7.35	
14800.00	10592.86	14566.89	10592.96	77.57	76.67	90.01	4061.94	432.59	1107.99	953.76	7.18	



Weatherford Anticollision Report



Weatherford

Company: Devon Energy Date: 11/20/2013 Time: 09:09:23 Page: 5
Field: Lea County, New Mexico (NAD 83)
Reference Site: Bilbrey 33 Fed Com 3, 4H Pad Co-ordinate(NE) Reference: Well: Bilbrey 33 Fed Com 3H, Grid North
Reference Well: Bilbrey 33 Fed Com 3H Vertical (TVD) Reference: SITE 3754.0
Reference Wellpath: Db: Sybase

Site: Bilbrey 33 Fed Com 3, 4H Pad
Well: Bilbrey 33 Fed Com 4H
Wellpath: 1 V0 Plan: Plan #2 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 Edge Distance ft	Separation Distance ft	Factor	Warning
14900.00	10592.81	14666.89	10592.90	79.31	78.41	90.01	4161.94	432.59	1107.99	950.28	7.03	
15000.00	10592.75	14766.89	10592.85	81.05	80.15	90.00	4261.94	432.58	1107.99	946.80	6.87	
15100.00	10592.70	14866.89	10592.80	82.80	81.90	90.00	4361.94	432.58	1107.99	943.30	6.73	
15200.00	10592.65	14966.89	10592.74	84.55	83.65	90.00	4461.94	432.58	1107.99	939.80	6.59	
15300.00	10592.60	15066.89	10592.69	86.30	85.40	90.00	4561.94	432.58	1107.98	936.29	6.45	
15400.00	10592.55	15166.89	10592.63	88.06	87.16	90.00	4661.94	432.58	1107.98	932.78	6.32	
15500.00	10592.49	15266.89	10592.58	89.81	88.92	90.00	4761.94	432.57	1107.98	929.26	6.20	
15600.00	10592.44	15366.89	10592.52	91.58	90.68	90.00	4861.94	432.57	1107.98	925.73	6.08	
15700.00	10592.39	15466.89	10592.47	93.34	92.44	90.00	4961.94	432.57	1107.98	922.20	5.96	
15800.00	10592.34	15566.89	10592.41	95.11	94.21	90.00	5061.94	432.57	1107.97	918.67	5.85	
15900.00	10592.29	15666.89	10592.36	96.88	95.98	90.00	5161.94	432.57	1107.97	915.13	5.75	
16000.00	10592.23	15766.89	10592.30	98.65	97.75	90.00	5261.94	432.56	1107.97	911.58	5.64	
16100.00	10592.18	15866.89	10592.25	100.42	99.52	90.00	5361.94	432.56	1107.97	908.04	5.54	
16200.00	10592.13	15966.89	10592.19	102.19	101.29	90.00	5461.94	432.56	1107.96	904.48	5.45	
16300.00	10592.08	16066.89	10592.14	103.97	103.07	90.00	5561.94	432.56	1107.96	900.93	5.35	
16400.00	10592.03	16166.89	10592.09	105.75	104.85	90.00	5661.94	432.56	1107.96	897.37	5.26	
16500.00	10591.97	16266.89	10592.03	107.53	106.63	90.00	5761.94	432.56	1107.96	893.81	5.17	
16600.00	10591.92	16366.89	10591.98	109.31	108.41	90.00	5861.94	432.55	1107.96	890.24	5.09	
16700.00	10591.87	16466.89	10591.92	111.09	110.19	90.00	5961.94	432.55	1107.95	886.67	5.01	
16800.00	10591.82	16566.89	10591.87	112.88	111.98	90.00	6061.94	432.55	1107.95	883.10	4.93	
16900.00	10591.77	16666.89	10591.81	114.66	113.77	90.00	6161.94	432.55	1107.95	879.53	4.85	
17000.00	10591.71	16766.89	10591.76	116.45	115.55	90.00	6261.94	432.55	1107.95	875.95	4.78	
17100.00	10591.66	16866.89	10591.70	118.24	117.34	90.00	6361.94	432.54	1107.95	872.37	4.70	
17200.00	10591.61	16966.89	10591.65	120.03	119.13	90.00	6461.94	432.54	1107.94	868.79	4.63	
17300.00	10591.56	17066.89	10591.59	121.82	120.92	90.00	6561.94	432.54	1107.94	865.21	4.56	
17400.00	10591.51	17166.89	10591.54	123.61	122.71	90.00	6661.94	432.54	1107.94	861.62	4.50	
17500.00	10591.45	17266.89	10591.49	125.40	124.51	90.00	6761.94	432.54	1107.94	858.03	4.43	
17600.00	10591.40	17366.89	10591.43	127.20	126.30	90.00	6861.94	432.53	1107.94	854.44	4.37	
17700.00	10591.35	17466.89	10591.38	128.99	128.10	90.00	6961.94	432.53	1107.93	850.85	4.31	
17800.00	10591.30	17566.89	10591.32	130.79	129.89	90.00	7061.94	432.53	1107.93	847.26	4.25	
17900.00	10591.25	17666.89	10591.27	132.59	131.69	90.00	7161.94	432.53	1107.93	843.66	4.19	
18000.00	10591.19	17766.89	10591.21	134.38	133.49	90.00	7261.94	432.53	1107.93	840.07	4.14	
18100.00	10591.14	17866.89	10591.16	136.18	135.28	90.00	7361.94	432.53	1107.93	836.47	4.08	
18200.00	10591.09	17966.89	10591.10	137.98	137.08	90.00	7461.94	432.52	1107.92	832.87	4.03	
18300.00	10591.04	18066.89	10591.05	139.78	138.88	90.00	7561.94	432.52	1107.92	829.27	3.98	
18371.85	10591.00	18138.74	10591.01	141.07	140.18	90.00	7633.79	432.52	1107.92	826.68	3.94	