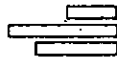




Weatherford[®]

Drilling Services

Proposal



devon

BILBERY 33 FED COM 4H

LEA COUNTY, NM

WELL FILE: PLAN 1

NOVEMBER 6, 2013

Weatherford International, Ltd.
P.O. Box 61028
Midland, TX 79711 USA
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Oil Conservation Division
Case No. 128 15129 +
Exhibit No. 15130



Bilbrey 33 Fed Com 4H
Lea County, New Mexico

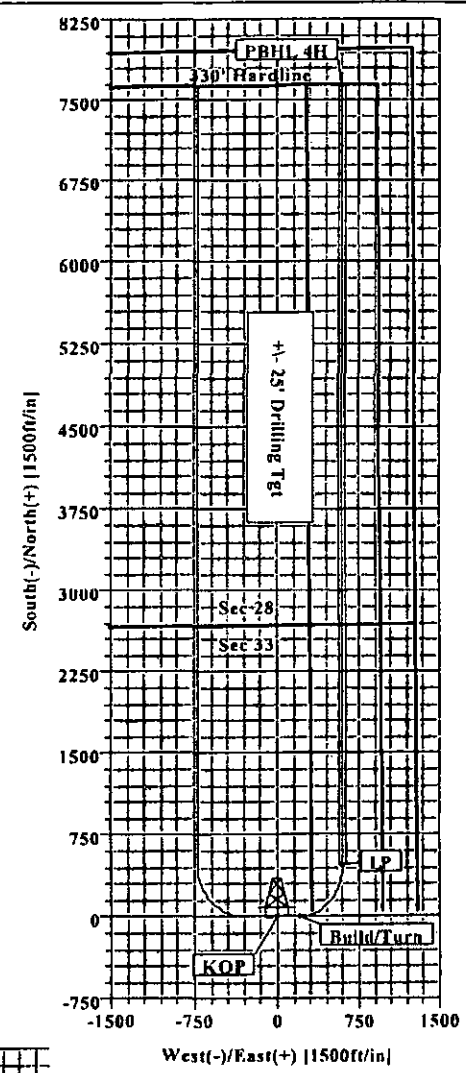
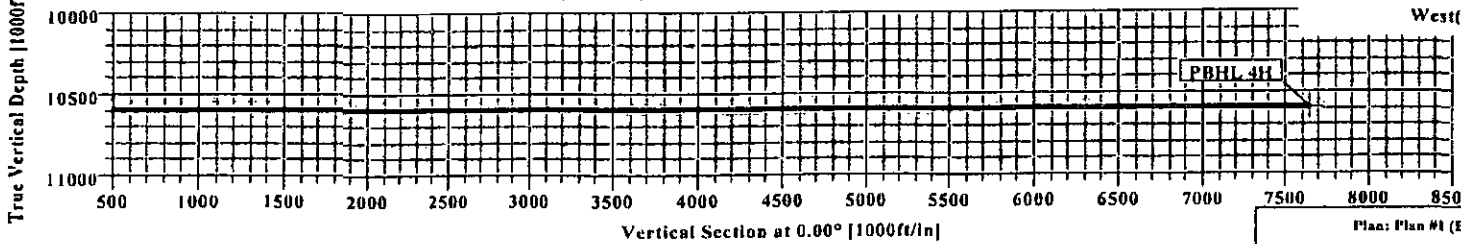
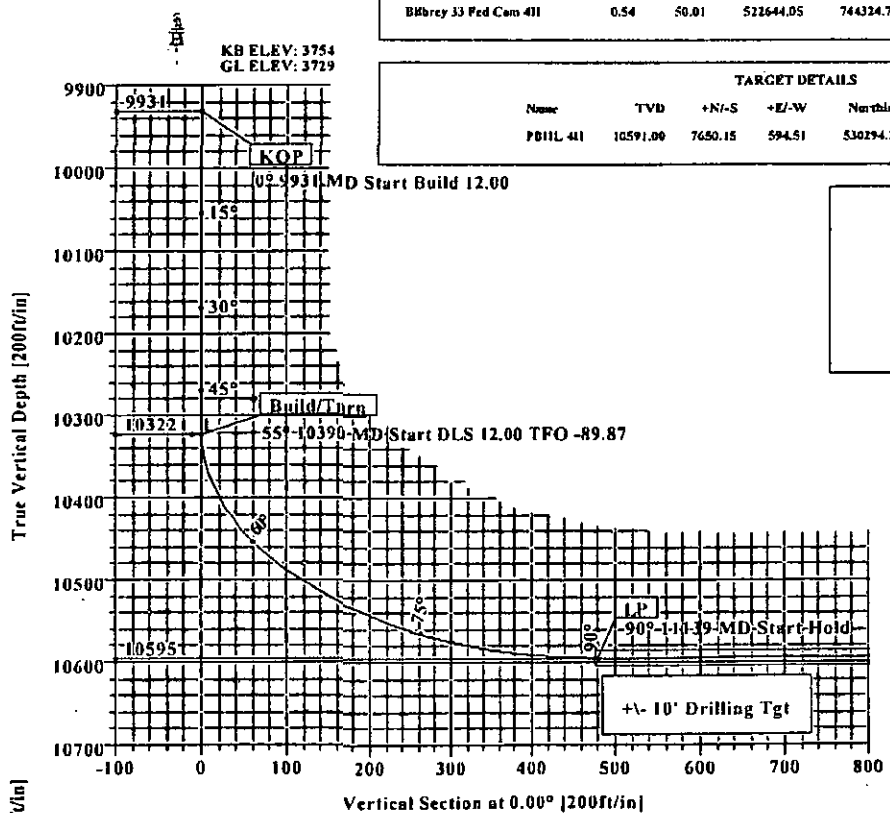
SECTION DETAILS										
Sec	MD	Inc	Ad	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	9930.90	0.00	0.00	9930.90	0.00	0.00	0.00	0.00	0.00	
3	10389.23	55.07	89.81	10322.16	0.68	204.09	12.00	89.81	0.68	
4	11138.68	90.03	360.00	10594.84	478.29	594.59	12.00	-89.87	478.29	
5	18310.54	90.03	360.00	10591.00	7650.15	594.51	0.00	0.00	7650.15	PBHL 4H

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Bilbrey 33 Fed Com 4H	0.54	50.01	522644.05	744324.74	31°26'06.335N	103°40'31.424W

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL 4H	10591.00	7650.15	594.51	530294.20	744919.25	Point

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 3H (1)
Plan #1





Weatherford Wft Plan Report X Y's.



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

Date: 11/6/2013 Time: 09:22:35 Page: 1
Co-ordinate(NE) Reference: Well: Bilbrey 33 Fed Com 4H, 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

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 4H Slot Name:

Well Position: +N/-S 0.54 ft Northing: 522644.05 ft Latitude: 32 26 6.335 N
+E/-W 50.01 ft Easting: 744324.74 ft Longitude: 103 40 31.424 W
Position Uncertainty: 0.00 ft

Wellpath: 1

Current Datum: SITE Height 3754.00 ft
Magnetic Data: 1/30/2014
Field Strength: 48495 nT
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
ft ft ft deg

0.00 0.00 0.00 0.00

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	
9930.90	0.00	0.00	9930.90	0.00	0.00	0.00	0.00	0.00	0.00	
10389.83	55.07	89.81	10322.36	0.68	204.09	12.00	12.00	0.00	89.81	
11138.68	90.03	360.00	10594.84	478.29	594.59	12.00	4.67	-11.99	-89.87	
18310.54	90.03	360.00	10591.00	7650.15	594.51	0.00	0.00	0.00	0.00	PBHL 4H

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
9900.00	0.00	0.00	9900.00	0.00	0.00	0.00	0.00	522644.05	744324.74	
9930.90	0.00	0.00	9930.90	0.00	0.00	0.00	0.00	522644.05	744324.74	KOP
10000.00	8.29	89.81	9999.76	0.02	4.99	0.02	12.00	522644.07	744329.73	
10100.00	20.29	89.81	10096.49	0.10	29.63	0.10	12.00	522644.15	744354.37	
10200.00	32.29	89.81	10185.98	0.24	73.84	0.24	12.00	522644.29	744398.58	
10300.00	44.29	89.81	10264.32	0.45	135.70	0.45	12.00	522644.50	744460.44	
10389.83	55.07	89.81	10322.36	0.68	204.09	0.68	12.00	522644.73	744528.83	Build/Turn
10400.00	55.08	88.32	10328.18	0.81	212.42	0.81	12.00	522644.86	744537.16	
10500.00	56.15	73.83	10384.86	13.63	293.58	13.63	12.00	522657.68	744618.32	
10600.00	58.86	59.95	10438.76	46.74	370.79	46.74	12.00	522690.79	744695.53	
10700.00	62.95	47.03	10487.54	98.71	440.67	98.71	12.00	522742.76	744765.41	
10800.00	68.13	35.13	10529.06	167.27	500.17	167.27	12.00	522811.32	744824.91	
10900.00	74.10	24.12	10561.50	249.41	546.69	249.41	12.00	522893.46	744871.43	
11000.00	80.59	13.77	10583.46	341.54	578.19	341.54	12.00	522985.59	744902.93	
11100.00	87.37	3.81	10593.96	439.65	593.31	439.65	12.00	523083.70	744918.05	
11138.68	90.03	360.00	10594.84	478.29	594.59	478.29	12.00	523122.34	744919.33	LP
11200.00	90.03	360.00	10594.80	539.61	594.59	539.61	0.00	523183.66	744919.33	
11300.00	90.03	360.00	10594.75	639.61	594.59	639.61	0.00	523283.66	744919.33	
11400.00	90.03	360.00	10594.70	739.61	594.59	739.61	0.00	523383.66	744919.33	
11500.00	90.03	360.00	10594.64	839.61	594.58	839.61	0.00	523483.66	744919.32	
11600.00	90.03	360.00	10594.59	939.61	594.58	939.61	0.00	523583.66	744919.32	
11700.00	90.03	360.00	10594.54	1039.61	594.58	1039.61	0.00	523683.66	744919.32	



Weatherford

Wft Plan Report X Y's.



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

Date: 11/6/2013 Time: 09:22:35 Page: 2
Co-ordinate(NE) Reference: Well: Bilbrey 33 Fed Com 4H, 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	Comment
11800.00	90.03	360.00	10594.48	1139.61	594.58	1139.61	0.00	523783.66	744919.32	
11900.00	90.03	360.00	10594.43	1239.61	594.58	1239.61	0.00	523883.66	744919.32	
12000.00	90.03	360.00	10594.37	1339.61	594.58	1339.61	0.00	523983.66	744919.32	
12100.00	90.03	360.00	10594.32	1439.61	594.58	1439.61	0.00	524083.66	744919.32	
12200.00	90.03	360.00	10594.27	1539.61	594.58	1539.61	0.00	524183.66	744919.32	
12300.00	90.03	360.00	10594.21	1639.61	594.58	1639.61	0.00	524283.66	744919.32	
12400.00	90.03	360.00	10594.16	1739.61	594.57	1739.61	0.00	524383.66	744919.31	
12500.00	90.03	360.00	10594.11	1839.61	594.57	1839.61	0.00	524483.66	744919.31	
12600.00	90.03	360.00	10594.05	1939.61	594.57	1939.61	0.00	524583.66	744919.31	
12700.00	90.03	360.00	10594.00	2039.61	594.57	2039.61	0.00	524683.66	744919.31	
12800.00	90.03	360.00	10593.95	2139.61	594.57	2139.61	0.00	524783.66	744919.31	
12900.00	90.03	360.00	10593.89	2239.61	594.57	2239.61	0.00	524883.66	744919.31	
13000.00	90.03	360.00	10593.84	2339.61	594.57	2339.61	0.00	524983.66	744919.31	
13100.00	90.03	360.00	10593.79	2439.61	594.57	2439.61	0.00	525083.66	744919.31	
13200.00	90.03	360.00	10593.73	2539.61	594.57	2539.61	0.00	525183.66	744919.31	
13300.00	90.03	360.00	10593.68	2639.61	594.56	2639.61	0.00	525283.66	744919.30	
13400.00	90.03	360.00	10593.63	2739.61	594.56	2739.61	0.00	525383.66	744919.30	
13500.00	90.03	360.00	10593.57	2839.61	594.56	2839.61	0.00	525483.66	744919.30	
13600.00	90.03	360.00	10593.52	2939.61	594.56	2939.61	0.00	525583.66	744919.30	
13700.00	90.03	360.00	10593.47	3039.61	594.56	3039.61	0.00	525683.66	744919.30	
13800.00	90.03	360.00	10593.41	3139.61	594.56	3139.61	0.00	525783.66	744919.30	
13900.00	90.03	360.00	10593.36	3239.61	594.56	3239.61	0.00	525883.66	744919.30	
14000.00	90.03	360.00	10593.31	3339.61	594.56	3339.61	0.00	525983.66	744919.30	
14100.00	90.03	360.00	10593.25	3439.61	594.56	3439.61	0.00	526083.66	744919.30	
14200.00	90.03	360.00	10593.20	3539.61	594.56	3539.61	0.00	526183.66	744919.30	
14300.00	90.03	360.00	10593.14	3639.61	594.55	3639.61	0.00	526283.66	744919.29	
14400.00	90.03	360.00	10593.09	3739.61	594.55	3739.61	0.00	526383.66	744919.29	
14500.00	90.03	360.00	10593.04	3839.61	594.55	3839.61	0.00	526483.66	744919.29	
14600.00	90.03	360.00	10592.98	3939.61	594.55	3939.61	0.00	526583.66	744919.29	
14700.00	90.03	360.00	10592.93	4039.61	594.55	4039.61	0.00	526683.66	744919.29	
14800.00	90.03	360.00	10592.88	4139.61	594.55	4139.61	0.00	526783.66	744919.29	
14900.00	90.03	360.00	10592.82	4239.61	594.55	4239.61	0.00	526883.66	744919.29	
15000.00	90.03	360.00	10592.77	4339.61	594.55	4339.61	0.00	526983.66	744919.29	
15100.00	90.03	360.00	10592.72	4439.61	594.55	4439.61	0.00	527083.66	744919.29	
15200.00	90.03	360.00	10592.66	4539.61	594.54	4539.61	0.00	527183.66	744919.28	
15300.00	90.03	360.00	10592.61	4639.61	594.54	4639.61	0.00	527283.66	744919.28	
15400.00	90.03	360.00	10592.56	4739.61	594.54	4739.61	0.00	527383.66	744919.28	
15500.00	90.03	360.00	10592.50	4839.61	594.54	4839.61	0.00	527483.66	744919.28	
15600.00	90.03	360.00	10592.45	4939.61	594.54	4939.61	0.00	527583.66	744919.28	
15700.00	90.03	360.00	10592.40	5039.61	594.54	5039.61	0.00	527683.66	744919.28	
15800.00	90.03	360.00	10592.34	5139.61	594.54	5139.61	0.00	527783.66	744919.28	
15900.00	90.03	360.00	10592.29	5239.61	594.54	5239.61	0.00	527883.66	744919.28	
16000.00	90.03	360.00	10592.24	5339.61	594.54	5339.61	0.00	527983.66	744919.28	
16100.00	90.03	360.00	10592.18	5439.61	594.53	5439.61	0.00	528083.66	744919.27	
16200.00	90.03	360.00	10592.13	5539.61	594.53	5539.61	0.00	528183.66	744919.27	
16300.00	90.03	360.00	10592.08	5639.61	594.53	5639.61	0.00	528283.66	744919.27	
16400.00	90.03	360.00	10592.02	5739.61	594.53	5739.61	0.00	528383.66	744919.27	
16500.00	90.03	360.00	10591.97	5839.61	594.53	5839.61	0.00	528483.66	744919.27	
16600.00	90.03	360.00	10591.91	5939.61	594.53	5939.61	0.00	528583.66	744919.27	
16700.00	90.03	360.00	10591.86	6039.61	594.53	6039.61	0.00	528683.66	744919.27	
16800.00	90.03	360.00	10591.81	6139.61	594.53	6139.61	0.00	528783.66	744919.27	
16900.00	90.03	360.00	10591.75	6239.61	594.53	6239.61	0.00	528883.66	744919.27	
17000.00	90.03	360.00	10591.70	6339.61	594.52	6339.61	0.00	528983.66	744919.26	



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 4H
Wellpath: 1

Date: 11/6/2013 Time: 09:22:35 Page: 3
Co-ordinate(NE) Reference: Well: Bilbrey 33 Fed Com 4H, Grid North
Vertical (TVD) Reference: SITE 3754.0
Section (VS) Reference: Well (0.00N,0.00E,0.00Azl)
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
17100.00	90.03	360.00	10591.65	6439.61	594.52	6439.61	0.00	529083.66	744919.26	
17200.00	90.03	360.00	10591.59	6539.61	594.52	6539.61	0.00	529183.66	744919.26	
17300.00	90.03	360.00	10591.54	6639.61	594.52	6639.61	0.00	529283.66	744919.26	
17400.00	90.03	360.00	10591.49	6739.61	594.52	6739.61	0.00	529383.66	744919.26	
17500.00	90.03	360.00	10591.43	6839.61	594.52	6839.61	0.00	529483.66	744919.26	
17600.00	90.03	360.00	10591.38	6939.61	594.52	6939.61	0.00	529583.66	744919.26	
17700.00	90.03	360.00	10591.33	7039.61	594.52	7039.61	0.00	529683.66	744919.26	
17800.00	90.03	360.00	10591.27	7139.61	594.52	7139.61	0.00	529783.66	744919.26	
17900.00	90.03	360.00	10591.22	7239.61	594.51	7239.61	0.00	529883.66	744919.25	
18000.00	90.03	360.00	10591.17	7339.61	594.51	7339.61	0.00	529983.66	744919.25	
18100.00	90.03	360.00	10591.11	7439.61	594.51	7439.61	0.00	530083.66	744919.25	
18200.00	90.03	360.00	10591.06	7539.61	594.51	7539.61	0.00	530183.66	744919.25	
18300.00	90.03	360.00	10591.01	7639.61	594.51	7639.61	0.00	530283.66	744919.25	
18310.54	90.03	360.00	10591.00	7650.15	594.51	7650.15	0.00	530294.20	744919.25	PBHL 4H

Targets

Name	Description Dip.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
PBHL 4H		10591.00	7650.15	594.51	530294.20	744919.25	32 27 21.997 N	103 40 23.936 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Annotation

MD ft	TVD ft	
9930.90	9930.90	KOP
10389.83	10322.36	Build/Turn
11138.68	10594.84	LP
18310.54	10591.00	PBHL



Weatherford Anticollision Report



Company: Devon Energy Date: 11/5/2013 Time: 14:01:36 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 4H, Grid North
Reference Well: Bilbrey 33 Fed Com 4H 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 16080.08 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
Principal: Yes Version: 1
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 3	Bilbrey 33 Fed Com 31 V0	Plan: Plan #1 V1	9930.90	9930.90	50.01	5.65	1.13	Level 2

Site: Bilbrey 33 Fed Com 3, 4H Pad
Well: Bilbrey 33 Fed Com 3H
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 Edge Distance ft	Separation Distance ft	Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	269.38	-0.54	-50.01	50.01			No Data
100.00	100.00	100.00	100.00	0.08	0.08	269.38	-0.54	-50.01	50.01	49.84	296.68	
200.00	200.00	200.00	200.00	0.31	0.31	269.38	-0.54	-50.01	50.01	49.39	80.91	
300.00	300.00	300.00	300.00	0.53	0.53	269.38	-0.54	-50.01	50.01	48.95	46.84	
400.00	400.00	400.00	400.00	0.76	0.76	269.38	-0.54	-50.01	50.01	48.50	32.96	
500.00	500.00	500.00	500.00	0.98	0.98	269.38	-0.54	-50.01	50.01	48.05	25.43	
600.00	600.00	600.00	600.00	1.21	1.21	269.38	-0.54	-50.01	50.01	47.60	20.70	
700.00	700.00	700.00	700.00	1.43	1.43	269.38	-0.54	-50.01	50.01	47.15	17.45	
800.00	800.00	800.00	800.00	1.66	1.66	269.38	-0.54	-50.01	50.01	46.70	15.08	
900.00	900.00	900.00	900.00	1.88	1.88	269.38	-0.54	-50.01	50.01	46.25	13.28	
1000.00	1000.00	1000.00	1000.00	2.11	2.11	269.38	-0.54	-50.01	50.01	45.80	11.87	
1100.00	1100.00	1100.00	1100.00	2.33	2.33	269.38	-0.54	-50.01	50.01	45.35	10.72	
1200.00	1200.00	1200.00	1200.00	2.56	2.56	269.38	-0.54	-50.01	50.01	44.90	9.78	
1300.00	1300.00	1300.00	1300.00	2.78	2.78	269.38	-0.54	-50.01	50.01	44.45	8.99	
1400.00	1400.00	1400.00	1400.00	3.01	3.01	269.38	-0.54	-50.01	50.01	44.00	8.32	
1500.00	1500.00	1500.00	1500.00	3.23	3.23	269.38	-0.54	-50.01	50.01	43.55	7.74	
1600.00	1600.00	1600.00	1600.00	3.46	3.46	269.38	-0.54	-50.01	50.01	43.10	7.24	
1700.00	1700.00	1700.00	1700.00	3.68	3.68	269.38	-0.54	-50.01	50.01	42.65	6.79	
1800.00	1800.00	1800.00	1800.00	3.91	3.91	269.38	-0.54	-50.01	50.01	42.20	6.40	
1900.00	1900.00	1900.00	1900.00	4.13	4.13	269.38	-0.54	-50.01	50.01	41.75	6.05	
2000.00	2000.00	2000.00	2000.00	4.35	4.35	269.38	-0.54	-50.01	50.01	41.30	5.74	
2100.00	2100.00	2100.00	2100.00	4.58	4.58	269.38	-0.54	-50.01	50.01	40.85	5.46	
2200.00	2200.00	2200.00	2200.00	4.80	4.80	269.38	-0.54	-50.01	50.01	40.40	5.20	
2300.00	2300.00	2300.00	2300.00	5.03	5.03	269.38	-0.54	-50.01	50.01	39.95	4.97	
2400.00	2400.00	2400.00	2400.00	5.25	5.25	269.38	-0.54	-50.01	50.01	39.51	4.76	
2500.00	2500.00	2500.00	2500.00	5.48	5.48	269.38	-0.54	-50.01	50.01	39.06	4.56	
2600.00	2600.00	2600.00	2600.00	5.70	5.70	269.38	-0.54	-50.01	50.01	38.61	4.38	
2700.00	2700.00	2700.00	2700.00	5.93	5.93	269.38	-0.54	-50.01	50.01	38.16	4.22	
2800.00	2800.00	2800.00	2800.00	6.15	6.15	269.38	-0.54	-50.01	50.01	37.71	4.06	
2900.00	2900.00	2900.00	2900.00	6.38	6.38	269.38	-0.54	-50.01	50.01	37.26	3.92	
3000.00	3000.00	3000.00	3000.00	6.60	6.60	269.38	-0.54	-50.01	50.01	36.81	3.79	
3100.00	3100.00	3100.00	3100.00	6.83	6.83	269.38	-0.54	-50.01	50.01	36.36	3.66	
3200.00	3200.00	3200.00	3200.00	7.05	7.05	269.38	-0.54	-50.01	50.01	35.91	3.55	
3300.00	3300.00	3300.00	3300.00	7.28	7.28	269.38	-0.54	-50.01	50.01	35.46	3.44	
3400.00	3400.00	3400.00	3400.00	7.50	7.50	269.38	-0.54	-50.01	50.01	35.01	3.33	
3500.00	3500.00	3500.00	3500.00	7.73	7.73	269.38	-0.54	-50.01	50.01	34.56	3.24	



Weatherford Anticollision Report



Company: Devon Energy Date: 11/5/2013 Time: 14:01:36 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 4H, Grid North
Reference Well: Bilbrey 33 Fed Com 4H Vertical (TVD) Reference: SITE 3754.0
Reference Wellpath: Db: Sybase

Site: Bilbrey 33 Fed Com 3, 4H Pad
Well: Bilbrey 33 Fed Com 3H
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 ft	TVD ft	MD ft	TVD ft	Ref ft	Offset ft	TFO-IIS deg	North ft	East ft	Distance ft	Distance ft	Factor		
3600.00	3600.00	3600.00	3600.00	7.95	7.95	269.38	-0.54	-50.01	50.01	34.11	3.15		
3700.00	3700.00	3700.00	3700.00	8.18	8.18	269.38	-0.54	-50.01	50.01	33.66	3.06		
3800.00	3800.00	3800.00	3800.00	8.40	8.40	269.38	-0.54	-50.01	50.01	33.21	2.98		
3900.00	3900.00	3900.00	3900.00	8.63	8.63	269.38	-0.54	-50.01	50.01	32.76	2.90		
4000.00	4000.00	4000.00	4000.00	8.85	8.85	269.38	-0.54	-50.01	50.01	32.31	2.83		
4100.00	4100.00	4100.00	4100.00	9.07	9.07	269.38	-0.54	-50.01	50.01	31.86	2.76		
4200.00	4200.00	4200.00	4200.00	9.30	9.30	269.38	-0.54	-50.01	50.01	31.41	2.69		
4300.00	4300.00	4300.00	4300.00	9.52	9.52	269.38	-0.54	-50.01	50.01	30.96	2.63		
4400.00	4400.00	4400.00	4400.00	9.75	9.75	269.38	-0.54	-50.01	50.01	30.51	2.56		
4500.00	4500.00	4500.00	4500.00	9.97	9.97	269.38	-0.54	-50.01	50.01	30.06	2.51		
4600.00	4600.00	4600.00	4600.00	10.20	10.20	269.38	-0.54	-50.01	50.01	29.62	2.45		
4700.00	4700.00	4700.00	4700.00	10.42	10.42	269.38	-0.54	-50.01	50.01	29.17	2.40		
4800.00	4800.00	4800.00	4800.00	10.65	10.65	269.38	-0.54	-50.01	50.01	28.72	2.35		
4900.00	4900.00	4900.00	4900.00	10.87	10.87	269.38	-0.54	-50.01	50.01	28.27	2.30		
5000.00	5000.00	5000.00	5000.00	11.10	11.10	269.38	-0.54	-50.01	50.01	27.82	2.25		
5100.00	5100.00	5100.00	5100.00	11.32	11.32	269.38	-0.54	-50.01	50.01	27.37	2.21		
5200.00	5200.00	5200.00	5200.00	11.55	11.55	269.38	-0.54	-50.01	50.01	26.92	2.17		
5300.00	5300.00	5300.00	5300.00	11.77	11.77	269.38	-0.54	-50.01	50.01	26.47	2.12		
5400.00	5400.00	5400.00	5400.00	12.00	12.00	269.38	-0.54	-50.01	50.01	26.02	2.08		
5500.00	5500.00	5500.00	5500.00	12.22	12.22	269.38	-0.54	-50.01	50.01	25.57	2.05		
5600.00	5600.00	5600.00	5600.00	12.45	12.45	269.38	-0.54	-50.01	50.01	25.12	2.01		
5700.00	5700.00	5700.00	5700.00	12.67	12.67	269.38	-0.54	-50.01	50.01	24.67	1.97		
5800.00	5800.00	5800.00	5800.00	12.90	12.90	269.38	-0.54	-50.01	50.01	24.22	1.94		
5900.00	5900.00	5900.00	5900.00	13.12	13.12	269.38	-0.54	-50.01	50.01	23.77	1.91		
6000.00	6000.00	6000.00	6000.00	13.35	13.35	269.38	-0.54	-50.01	50.01	23.32	1.87		
6100.00	6100.00	6100.00	6100.00	13.57	13.57	269.38	-0.54	-50.01	50.01	22.87	1.84		
6200.00	6200.00	6200.00	6200.00	13.80	13.80	269.38	-0.54	-50.01	50.01	22.42	1.81		
6300.00	6300.00	6300.00	6300.00	14.02	14.02	269.38	-0.54	-50.01	50.01	21.97	1.78		
6400.00	6400.00	6400.00	6400.00	14.24	14.24	269.38	-0.54	-50.01	50.01	21.52	1.76		
6500.00	6500.00	6500.00	6500.00	14.47	14.47	269.38	-0.54	-50.01	50.01	21.07	1.73		
6600.00	6600.00	6600.00	6600.00	14.69	14.69	269.38	-0.54	-50.01	50.01	20.62	1.70		
6700.00	6700.00	6700.00	6700.00	14.92	14.92	269.38	-0.54	-50.01	50.01	20.18	1.68		
6800.00	6800.00	6800.00	6800.00	15.14	15.14	269.38	-0.54	-50.01	50.01	19.73	1.65		
6900.00	6900.00	6900.00	6900.00	15.37	15.37	269.38	-0.54	-50.01	50.01	19.28	1.63		
7000.00	7000.00	7000.00	7000.00	15.59	15.59	269.38	-0.54	-50.01	50.01	18.83	1.60		
7100.00	7100.00	7100.00	7100.00	15.82	15.82	269.38	-0.54	-50.01	50.01	18.38	1.58		
7200.00	7200.00	7200.00	7200.00	16.04	16.04	269.38	-0.54	-50.01	50.01	17.93	1.56		
7300.00	7300.00	7300.00	7300.00	16.27	16.27	269.38	-0.54	-50.01	50.01	17.48	1.54		
7400.00	7400.00	7400.00	7400.00	16.49	16.49	269.38	-0.54	-50.01	50.01	17.03	1.52		
7500.00	7500.00	7500.00	7500.00	16.72	16.72	269.38	-0.54	-50.01	50.01	16.58	1.50	Level 3	
7600.00	7600.00	7600.00	7600.00	16.94	16.94	269.38	-0.54	-50.01	50.01	16.13	1.48	Level 3	
7700.00	7700.00	7700.00	7700.00	17.17	17.17	269.38	-0.54	-50.01	50.01	15.68	1.46	Level 3	
7800.00	7800.00	7800.00	7800.00	17.39	17.39	269.38	-0.54	-50.01	50.01	15.23	1.44	Level 3	
7900.00	7900.00	7900.00	7900.00	17.62	17.62	269.38	-0.54	-50.01	50.01	14.78	1.42	Level 3	
8000.00	8000.00	8000.00	8000.00	17.84	17.84	269.38	-0.54	-50.01	50.01	14.33	1.40	Level 3	
8100.00	8100.00	8100.00	8100.00	18.07	18.07	269.38	-0.54	-50.01	50.01	13.88	1.38	Level 3	
8200.00	8200.00	8200.00	8200.00	18.29	18.29	269.38	-0.54	-50.01	50.01	13.43	1.37	Level 3	
8300.00	8300.00	8300.00	8300.00	18.52	18.52	269.38	-0.54	-50.01	50.01	12.98	1.35	Level 3	
8400.00	8400.00	8400.00	8400.00	18.74	18.74	269.38	-0.54	-50.01	50.01	12.53	1.33	Level 3	
8500.00	8500.00	8500.00	8500.00	18.96	18.96	269.38	-0.54	-50.01	50.01	12.08	1.32	Level 3	
8600.00	8600.00	8600.00	8600.00	19.19	19.19	269.38	-0.54	-50.01	50.01	11.63	1.30	Level 3	



Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy Date: 11/5/2013 Time: 14:01:36 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 4H, Grid North
Reference Well: Bilbrey 33 Fed Com 4H Vertical (TVD) Reference: SITE 3754.0
Reference Wellpath: Db: Sybase

Site: Bilbrey 33 Fed Com 3, 4H Pad
Well: Bilbrey 33 Fed Com 3H
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 North ft	Location East ft	Ctr-Ctr Edge Distance ft	Separation Distance ft	Factor	Warning
8700.00	8700.00	8700.00	8700.00	19.41	19.41	269.38	-0.54	-50.01	50.01	11.18	1.29	Level 3
8800.00	8800.00	8800.00	8800.00	19.64	19.64	269.38	-0.54	-50.01	50.01	10.74	1.27	Level 3
8900.00	8900.00	8900.00	8900.00	19.86	19.86	269.38	-0.54	-50.01	50.01	10.29	1.26	Level 3
9000.00	9000.00	9000.00	9000.00	20.09	20.09	269.38	-0.54	-50.01	50.01	9.84	1.24	Level 2
9100.00	9100.00	9100.00	9100.00	20.31	20.31	269.38	-0.54	-50.01	50.01	9.39	1.23	Level 2
9200.00	9200.00	9200.00	9200.00	20.54	20.54	269.38	-0.54	-50.01	50.01	8.94	1.22	Level 2
9300.00	9300.00	9300.00	9300.00	20.76	20.76	269.38	-0.54	-50.01	50.01	8.49	1.20	Level 2
9400.00	9400.00	9400.00	9400.00	20.99	20.99	269.38	-0.54	-50.01	50.01	8.04	1.19	Level 2
9500.00	9500.00	9500.00	9500.00	21.21	21.21	269.38	-0.54	-50.01	50.01	7.59	1.18	Level 2
9600.00	9600.00	9600.00	9600.00	21.44	21.44	269.38	-0.54	-50.01	50.01	7.14	1.17	Level 2
9700.00	9700.00	9700.00	9700.00	21.66	21.66	269.38	-0.54	-50.01	50.01	6.69	1.15	Level 2
9800.00	9800.00	9800.00	9800.00	21.89	21.89	269.38	-0.54	-50.01	50.01	6.24	1.14	Level 2
9900.00	9900.00	9900.00	9900.00	22.11	22.11	269.38	-0.54	-50.01	50.01	5.79	1.13	Level 2
9930.90	9930.90	9930.90	9930.90	22.18	22.18	269.38	-0.54	-50.01	50.01	5.65	1.13	Level 2
9950.00	9949.99	9949.99	9949.99	22.22	22.22	179.57	-0.54	-50.01	50.39	5.96	1.13	Level 2
9975.00	9974.94	9972.68	9972.67	22.27	22.27	179.59	-0.54	-50.46	52.54	8.07	1.18	Level 2
10000.00	9999.76	9994.72	9994.66	22.32	22.32	179.64	-0.52	-51.92	57.14	12.70	1.29	Level 3
10025.00	10024.39	10016.02	10015.83	22.37	22.36	179.70	-0.50	-54.29	64.11	19.76	1.45	Level 3
10050.00	10048.77	10036.33	10035.89	22.42	22.40	179.76	-0.48	-57.43	73.35	29.16	1.66	
10075.00	10072.82	10055.43	10054.62	22.48	22.44	179.81	-0.44	-61.16	84.72	40.73	1.93	
10100.00	10096.49	10073.17	10071.88	22.53	22.48	179.86	-0.41	-65.29	98.06	54.32	2.24	
10125.00	10119.70	10089.46	10087.57	22.58	22.51	179.91	-0.37	-69.65	113.21	69.77	2.61	
10150.00	10142.39	10104.22	10101.66	22.64	22.54	179.95	-0.33	-74.06	129.99	86.88	3.01	
10175.00	10164.51	10117.46	10114.17	22.70	22.57	179.98	-0.29	-78.38	148.23	105.47	3.47	
10200.00	10185.98	10129.20	10125.16	22.76	22.60	180.01	-0.26	-82.50	167.75	125.37	3.96	
10225.00	10206.75	10139.47	10134.69	22.83	22.62	180.04	-0.22	-86.32	188.40	146.40	4.49	
10250.00	10226.77	10148.33	10142.85	22.90	22.64	180.06	-0.19	-89.79	210.00	168.42	5.05	
10275.00	10245.98	10155.88	10149.74	22.98	22.65	180.09	-0.17	-92.86	232.43	191.26	5.65	
10300.00	10264.32	10162.17	10155.46	23.07	22.67	180.11	-0.14	-95.50	255.55	214.80	6.27	
10325.00	10281.75	10167.31	10160.09	23.17	22.68	180.14	-0.12	-97.72	279.23	238.90	6.92	
10350.00	10298.22	10171.36	10163.73	23.27	22.69	180.18	-0.11	-99.50	303.36	263.45	7.60	
10375.00	10313.68	10174.42	10166.46	23.39	22.70	180.24	-0.10	-100.86	327.84	288.33	8.30	
10399.83	10322.36	10175.79	10167.69	23.46	22.70	180.29	-0.09	-101.48	342.48	303.21	8.72	
10400.00	10328.18	10176.61	10168.42	23.51	22.70	189.65	-0.09	-101.85	352.55	313.11	8.94	
10425.00	10342.48	10178.55	10170.15	23.64	22.71	210.46	-0.08	-102.73	377.29	336.48	9.24	
10450.00	10366.72	10180.38	10171.77	23.77	22.71	226.56	-0.07	-103.57	401.95	359.57	9.48	
10475.00	10370.86	10182.09	10173.30	23.90	22.72	238.43	-0.07	-104.36	426.50	382.97	9.80	
10500.00	10384.86	10183.71	10174.72	24.03	22.72	247.34	-0.06	-105.11	450.89	406.59	10.18	
10525.00	10398.69	10185.22	10176.06	24.16	22.72	254.30	-0.05	-105.82	475.09	430.27	10.60	
10550.00	10412.31	10186.65	10177.32	24.28	22.73	259.94	-0.05	-106.49	499.05	453.88	11.05	
10575.00	10425.68	10187.98	10178.49	24.40	22.73	264.66	-0.04	-107.12	522.77	477.34	11.51	
10600.00	10438.76	10189.23	10179.59	24.51	22.73	268.70	-0.04	-107.72	546.19	500.58	11.97	
10625.00	10451.53	10190.40	10180.62	24.62	22.74	272.24	-0.03	-108.28	569.32	523.57	12.45	
10650.00	10463.93	10191.49	10181.58	24.72	22.74	275.37	-0.03	-108.80	592.11	546.27	12.92	
10675.00	10475.95	10192.51	10182.47	24.82	22.74	278.17	-0.02	-109.29	614.54	568.65	13.39	
10700.00	10487.54	10193.46	10183.30	24.90	22.74	280.69	-0.02	-109.75	636.61	590.68	13.86	
10725.00	10498.68	10194.34	10184.08	24.98	22.75	282.97	-0.01	-110.18	658.28	612.34	14.33	
10750.00	10509.33	10195.16	10184.79	25.05	22.75	285.05	-0.01	-110.58	679.55	633.61	14.79	
10775.00	10519.47	10195.92	10185.45	25.10	22.75	286.93	-0.01	-110.95	700.38	654.48	15.26	
10800.00	10529.06	10196.62	10186.06	25.16	22.75	288.65	-0.01	-111.29	720.77	674.91	15.72	
10825.00	10538.08	10200.00	10189.00	25.20	22.76	289.86	0.01	-112.96	740.71	694.91	16.17	



Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy Date: 11/5/2013 Time: 14:01:36 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 4H, Grid North
Reference Well: Bilbrey 33 Fed Com 4H Vertical (TVD) Reference: SITE 3754.0
Reference Wellpath: Db: Sybase

Site: Bilbrey 33 Fed Com 3, 4H Pad
Well: Bilbrey 33 Fed Com 3H
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-IIS deg	Offset Location North ft	East ft	Ctr-Ctr Edge Distance ft	Separation Distance ft	Factor	Warning
10850.00	10546.52	10200.00	10189.00	25.23	22.76	291.37	0.01	-112.96	760.16	714.43	16.62	
10875.00	10554.33	10200.00	10189.00	25.25	22.76	292.72	0.01	-112.96	779.11	733.46	17.07	
10900.00	10561.50	10200.00	10189.00	25.27	22.76	293.94	0.01	-112.96	797.55	752.00	17.51	
10925.00	10568.02	10200.00	10189.00	25.27	22.76	295.02	0.01	-112.96	815.48	770.03	17.94	
10950.00	10573.86	10200.00	10189.00	25.27	22.76	295.98	0.01	-112.96	832.86	787.53	18.37	
10975.00	10579.01	10200.00	10189.00	25.27	22.76	296.83	0.01	-112.96	849.70	804.48	18.79	
11000.00	10583.46	10200.00	10189.00	25.25	22.76	297.57	0.01	-112.96	865.98	820.87	19.20	
11025.00	10587.18	10200.00	10189.00	25.23	22.76	298.20	0.01	-112.96	881.69	836.69	19.59	
11050.00	10590.18	10200.00	10189.00	25.21	22.76	298.73	0.01	-112.96	896.81	851.92	19.98	
11075.00	10592.44	10200.00	10189.00	25.18	22.76	299.17	0.01	-112.96	911.33	866.55	20.35	
11100.00	10593.96	10200.00	10189.00	25.15	22.76	299.51	0.01	-112.96	925.24	880.56	20.71	
11125.00	10594.73	10200.00	10189.00	25.12	22.76	299.76	0.01	-112.96	938.54	893.94	21.04	
11138.68	10594.84	10200.00	10189.00	25.10	22.76	299.85	0.01	-112.96	945.55	901.00	21.22	
11200.00	10594.80	10200.00	10189.00	25.45	22.76	299.85	0.01	-112.96	977.99	933.05	21.76	
11300.00	10594.75	10200.00	10189.00	26.09	22.76	299.85	0.01	-112.96	1036.50	990.88	22.72	
11400.00	10594.70	10200.00	10189.00	26.84	22.76	299.85	0.01	-112.96	1101.00	1054.62	23.74	
11500.00	10594.64	10200.00	10189.00	27.69	22.76	299.85	0.01	-112.96	1170.51	1123.29	24.79	
11600.00	10594.59	10200.00	10189.00	28.64	22.76	299.85	0.01	-112.96	1244.17	1196.05	25.86	
11700.00	10594.54	11778.23	10594.43	29.66	30.42	270.00	1039.61	-725.42	1320.00	1259.95	21.98	
11800.00	10594.48	11878.23	10594.38	30.76	31.56	270.00	1139.61	-725.42	1320.00	1257.71	21.19	
11900.00	10594.43	11978.23	10594.33	31.93	32.77	270.00	1239.61	-725.42	1320.00	1255.33	20.41	
12000.00	10594.37	12078.23	10594.27	33.15	34.03	270.00	1339.61	-725.42	1320.00	1252.84	19.66	
12100.00	10594.32	12178.23	10594.22	34.43	35.34	270.00	1439.61	-725.42	1320.00	1250.25	18.93	
12200.00	10594.27	12278.23	10594.17	35.76	36.70	270.00	1539.61	-725.42	1320.00	1247.57	18.22	
12300.00	10594.21	12378.23	10594.12	37.13	38.09	270.00	1639.61	-725.42	1320.00	1244.80	17.55	
12400.00	10594.16	12478.23	10594.07	38.53	39.52	270.00	1739.61	-725.42	1320.00	1241.96	16.92	
12500.00	10594.11	12578.23	10594.01	39.97	40.98	270.00	1839.61	-725.42	1319.99	1239.06	16.31	
12600.00	10594.05	12678.23	10593.96	41.45	42.47	270.00	1939.61	-725.42	1319.99	1236.10	15.73	
12700.00	10594.00	12778.23	10593.91	42.94	43.99	270.00	2039.61	-725.42	1319.99	1233.08	15.19	
12800.00	10593.95	12878.23	10593.86	44.47	45.53	270.00	2139.61	-725.42	1319.99	1230.02	14.67	
12900.00	10593.89	12978.23	10593.81	46.01	47.09	270.00	2239.61	-725.42	1319.99	1226.91	14.18	
13000.00	10593.84	13078.23	10593.75	47.58	48.67	270.00	2339.61	-725.42	1319.99	1223.77	13.72	
13100.00	10593.79	13178.23	10593.70	49.16	50.26	270.00	2439.61	-725.42	1319.99	1220.59	13.28	
13200.00	10593.73	13278.23	10593.65	50.76	51.87	270.00	2539.61	-725.42	1319.99	1217.37	12.86	
13300.00	10593.68	13378.23	10593.60	52.38	53.49	270.00	2639.61	-725.42	1319.98	1214.13	12.47	
13400.00	10593.63	13478.23	10593.55	54.01	55.13	270.00	2739.61	-725.42	1319.98	1210.87	12.10	
13500.00	10593.57	13578.23	10593.49	55.65	56.78	270.00	2839.61	-725.42	1319.98	1207.58	11.74	
13600.00	10593.52	13678.23	10593.44	57.30	58.44	270.00	2939.61	-725.42	1319.98	1204.26	11.41	
13700.00	10593.47	13778.23	10593.39	58.96	60.11	270.00	3039.61	-725.42	1319.98	1200.93	11.09	
13800.00	10593.41	13878.23	10593.34	60.63	61.79	270.00	3139.61	-725.42	1319.98	1197.58	10.78	
13900.00	10593.36	13978.23	10593.29	62.31	63.47	270.00	3239.61	-725.42	1319.98	1194.21	10.50	
14000.00	10593.31	14078.23	10593.23	64.00	65.17	270.00	3339.61	-725.42	1319.97	1190.83	10.22	
14100.00	10593.25	14178.23	10593.18	65.70	66.87	270.00	3439.61	-725.42	1319.97	1187.43	9.96	
14200.00	10593.20	14278.23	10593.13	67.40	68.57	270.00	3539.61	-725.42	1319.97	1184.01	9.71	
14300.00	10593.14	14378.23	10593.08	69.11	70.29	270.00	3639.61	-725.42	1319.97	1180.59	9.47	
14400.00	10593.09	14478.23	10593.03	70.83	72.01	270.00	3739.61	-725.42	1319.97	1177.15	9.24	
14500.00	10593.04	14578.23	10592.97	72.55	73.73	270.00	3839.61	-725.42	1319.97	1173.71	9.02	
14600.00	10592.98	14678.23	10592.92	74.27	75.46	270.00	3939.61	-725.42	1319.97	1170.25	8.82	
14700.00	10592.93	14778.23	10592.87	76.00	77.19	270.00	4039.61	-725.42	1319.97	1166.79	8.62	
14800.00	10592.88	14878.23	10592.82	77.74	78.93	270.00	4139.61	-725.42	1319.96	1163.31	8.43	
14900.00	10592.82	14978.23	10592.77	79.48	80.67	270.00	4239.61	-725.42	1319.96	1159.83	8.24	



Weatherford Anticollision Report



Weatherford

Company: Devon Energy Date: 11/5/2013 Time: 14:01:36 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 4H, Grid North
Reference Well: Bilbrey 33 Fed Com 4H Vertical (TVD) Reference: SITE 3754.0
Reference Wellpath: Db: Sybase

Site: Bilbrey 33 Fed Com 3, 4H Pad
Well: Bilbrey 33 Fed Com 3H
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		
15000.00	10592.77	15078.23	10592.71	81.22	82.42	270.00	4339.61	-725.42	1319.96	1156.34	8.07	
15100.00	10592.72	15178.23	10592.68	82.97	84.17	270.00	4439.61	-725.42	1319.96	1152.84	7.90	
15200.00	10592.66	15278.23	10592.61	84.72	85.92	270.00	4539.61	-725.42	1319.96	1149.34	7.74	
15300.00	10592.61	15378.23	10592.56	86.47	87.67	270.00	4639.61	-725.42	1319.96	1145.83	7.58	
15400.00	10592.56	15478.23	10592.51	88.23	89.43	270.00	4739.61	-725.42	1319.96	1142.31	7.43	
15500.00	10592.50	15578.23	10592.45	89.99	91.19	270.00	4839.61	-725.41	1319.96	1138.79	7.29	
15600.00	10592.45	15678.23	10592.40	91.75	92.96	270.00	4939.61	-725.41	1319.95	1135.26	7.15	
15700.00	10592.40	15778.23	10592.35	93.51	94.72	270.00	5039.61	-725.41	1319.95	1131.73	7.01	
15800.00	10592.34	15878.23	10592.30	95.28	96.49	270.00	5139.61	-725.41	1319.95	1128.20	6.88	
15900.00	10592.29	15978.23	10592.25	97.05	98.26	270.00	5239.61	-725.41	1319.95	1124.65	6.76	
16000.00	10592.24	16078.23	10592.19	98.82	100.03	270.00	5339.61	-725.41	1319.95	1121.11	6.64	