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1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submission: copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-41008		² Pool Code 60660		³ Pool Name Turkey Track	
⁴ Property Code 38433		⁵ Property Name DIAMOND PWU 22		⁶ Well Number 6H	
⁷ GRID No. 6137		⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3332.4	
¹⁰ Surface Location					
UL or lot no. E	Section 22	Township 19S	Range 29 E	Lot Idn. 2220	Feet from the North/South line NORTH
			Feet from the East/West line 250	County EDDY	
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. H	Section 22	Township 19S	Range 29 E	Lot Idn. 1980	Feet from the North/South line NORTH
			Feet from the East/West line 330	County EDDY	
¹² Dedicated Acres 160		¹³ Joint or Infill		¹⁴ Consolidation Code	
¹⁵ Order No.					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

N89°42'52"W 2634.23 FT		N89°43'14"W 2639.22 FT	
NW CORNER SEC. 22 LAT. = 32.6535396°N LONG. = 104.0711864°W NMSP EAST (FT) N = 601588.25 E = 622018.36	N O CORNER SEC. 22 LAT. = 32.6534853°N LONG. = 104.0626276°W NMSP EAST (FT) N = 601575.11 E = 624652.56	NE CORNER SEC. 22 LAT. = 32.6534311°N LONG. = 104.0540526°W NMSP EAST (FT) N = 601562.23 E = 627291.75	
K-4721 SURFACE LOCATION 250'		BOTTOM OF HOLE LAT. = 32.6479969°N LONG. = 104.0551547°W NMSP EAST (FT) N = 599584.32 E = 626957.74	
DIAMOND PWU 22-6H ELEV. = 3332.4 LAT. = 32.6474340°N (NAD83) LONG. = 104.0704332°W NMSP EAST (FT) N = 599367.57 E = 622255.66		KO-3830 BOTTOM OF HOLE 330'	
LO-3099			
W O CORNER SEC. 22 LAT. = 32.6462644°N LONG. = 104.0712566°W NMSP EAST (FT) N = 598941.42 E = 622003.29		E O CORNER SEC. 22 COMPUTED	
SW CORNER SEC. 22 LAT. = 32.6390370°N LONG. = 104.0712463°W NMSP EAST (FT) N = 596312.05 E = 622012.94	S O CORNER SEC. 22 LAT. = 32.6389391°N LONG. = 104.0626959°W NMSP EAST (FT) N = 596283.05 E = 624645.01	SE CORNER SEC. 22 LAT. = 32.6389396°N LONG. = 104.0541330°W NMSP EAST (FT) N = 596290.05 E = 627280.86	
S89°22'07"E 2632.22 FT		N89°50'52"E 2635.86 FT	

17 OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Patti Riechers 1/22/2013
Signature Date

Patti Riechers, Regulatory Specialist
Printed Name

Patti.Riechers@dvn.com
E-mail Address

18 SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

SEPTEMBER 5, 2012
Date of Survey

ELIMON F. JARAMILLO
Signature and Seal of Professional Surveyor

Certificate Number: ELIMON F. JARAMILLO, PLS 12797
SURVEY NO. 1239



Weatherford[®]

Drilling Services

Proposal



devon

DIAMOND PWU 22 #6H

EDDY COUNTY, NM

WELL FILE: **PLAN 3**

JANUARY 17, 2013

Weatherford International, Ltd.

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Midland, TX 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com

devon

Diamond PWU 22 #6H

Eddy Co., NM

KB ELEV: 3350.5
GL ELEV: 3332.5

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	6415.04	0.00	0.00	6415.04	0.00	0.00	0.00	0.00	0.00	
3	6686.60	29.87	27.46	6674.46	61.40	31.91	11.00	27.46	34.71	T1
4	7378.16	89.11	90.31	7034.11	239.29	532.92	11.00	66.44	543.38	T2
5	9243.41	89.11	90.31	7063.00	229.27	2397.92	0.00	0.00	2405.94	T2
6	9262.79	88.53	90.31	7063.40	229.17	2417.30	3.00	179.65	2425.29	
7	11548.36	88.53	90.31	7122.00	216.75	4702.08	0.00	0.00	4707.07	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Diamond PWU 22 #6H	0.00	0.00	599367.57	622255.66	32°38'50.751N	104°04'13.574W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
T1	7034.11	239.29	532.92	599606.86	622788.58	Point
T2	7063.00	229.27	2397.92	599596.84	624653.58	Rectangle (1870x50)
PBHL	7122.00	216.75	4702.08	599584.33	626957.74	Rectangle (2308x60)



Azimuths to Grid North
True North: -0.14°
Magnetic North: 7.44°

Magnetic Field
Strength: 48625nT
Dip Angle: 60.44°
Date: 8/15/2013
Model: IGRF2010

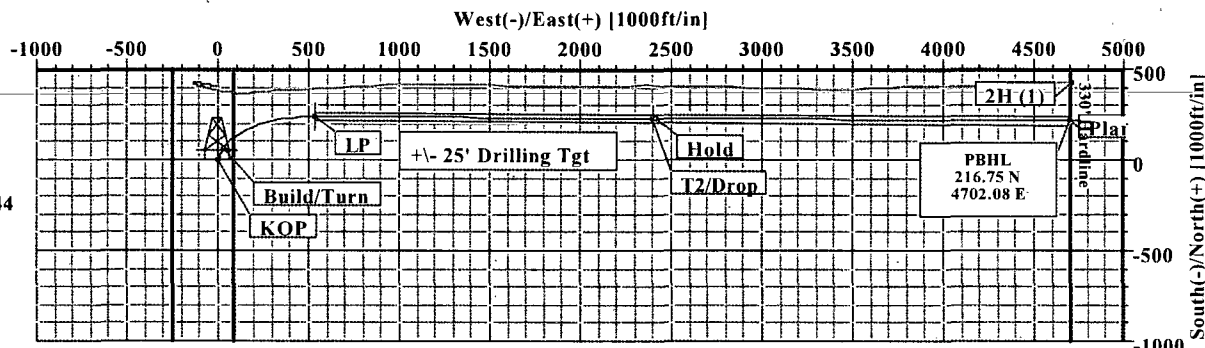
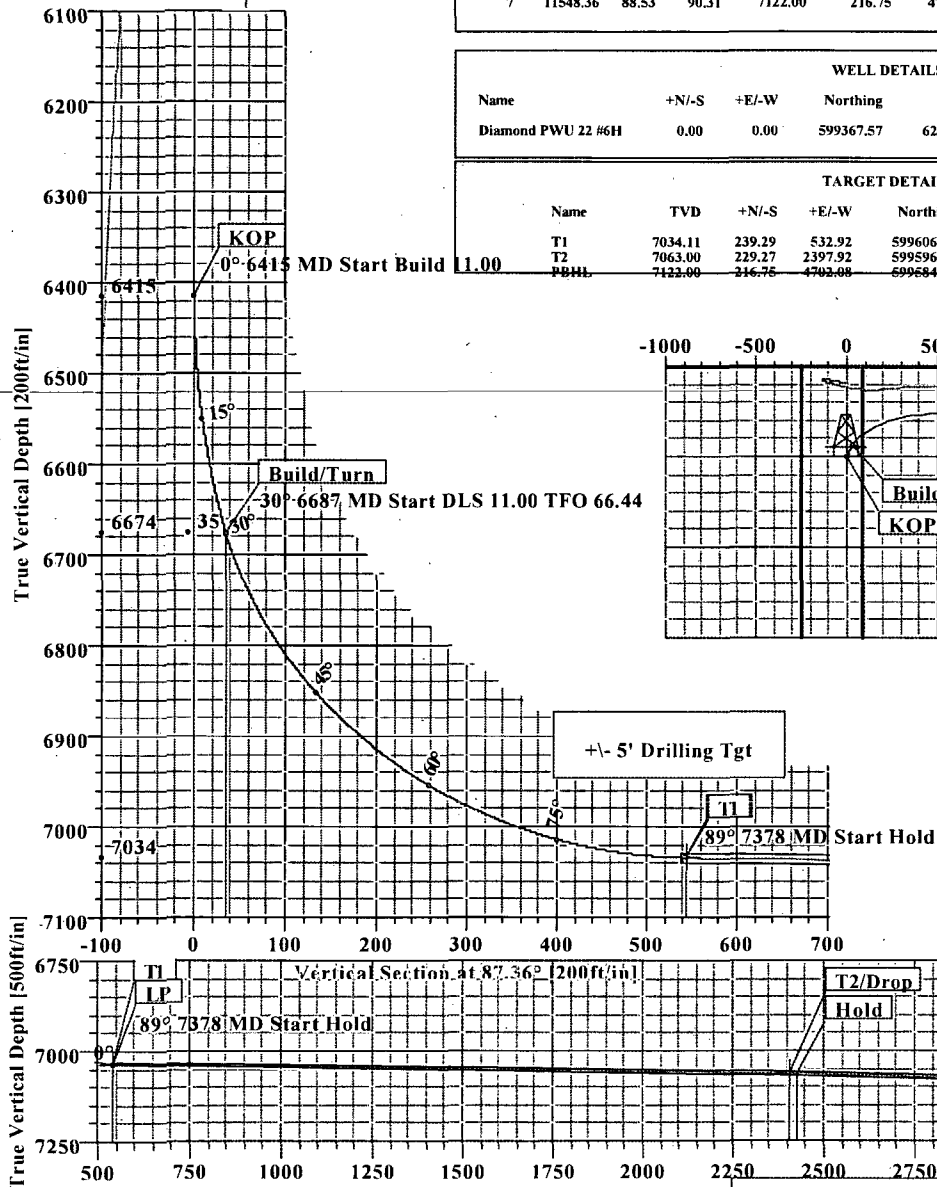
Total Correction to Grid North: 7.44°

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



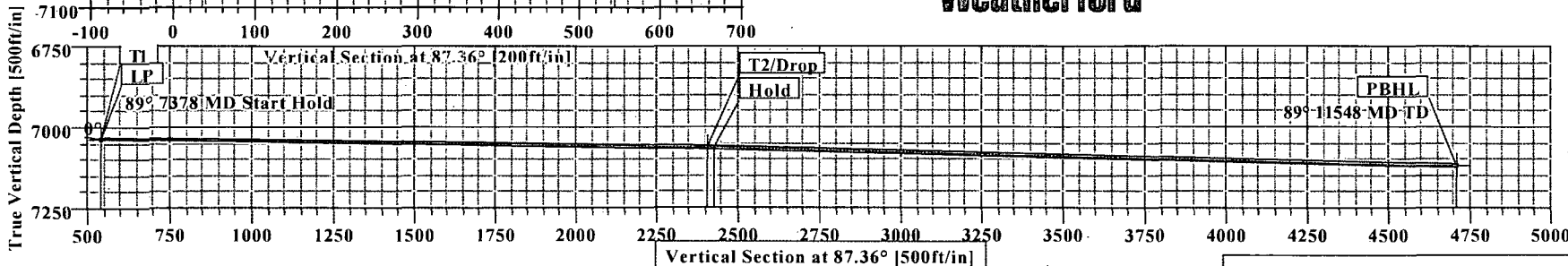
LEGEND
2H (1)
1
Plan #3

SITE DETAILS

Diamond PWU 22 #6H
Site Centre Northing: 599367.57
Easting: 622255.66
Ground Level: 3332.50
Positional Uncertainty: 0.00
Convergence: 0.14



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Plan: Plan #3 (Diamond PWU 22 #6H/1)

Created By: Russell W. Joyner

Date: 1/17/2013



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Wft Plan Report X Y's.



Company: Devon Energy				Date: 1/17/2013				Time: 12:08:41				Page: 1			
Field: Eddy Co., NM (NAD 83)				Co-ordinate(NE) Reference: Well: Diamond PWU 22 #6H, Grid North											
Site: Diamond PWU 22 #6H				Vertical (TVD) Reference: SITE 3350.5											
Well: Diamond PWU 22 #6H				Section (VS) Reference: Well (0.00N,0.00E,87.36Azi)											
Wellpath: 1				Survey Calculation Method: Minimum Curvature								Db: Sybase			
Plan: Plan #3				Date Composed: 1/16/2013				Version: 1				Tied-to: From Surface			
Principal: Yes															
Site: Diamond PWU 22 #6H															
Site Position:				Northing: 599367.57 ft		Latitude: 32 38 50.751 N									
From: Map				Easting: 622255.66 ft		Longitude: 104 4 13.574 W									
Position Uncertainty: 0.00 ft						North Reference: Grid									
Ground Level: 3332.50 ft						Grid Convergence: 0.14 deg									
Well: Diamond PWU 22 #6H															
Slot Name:															
Well Position: +N/-S 0.00 ft				Northing: 599367.57 ft		Latitude: 32 38 50.751 N									
+E/-W 0.00 ft				Easting: 622255.66 ft		Longitude: 104 4 13.574 W									
Position Uncertainty: 0.00 ft															
Wellpath: 1															
Current Datum: SITE				Height 3350.50 ft		Drilled From: Surface									
Magnetic Data: 8/15/2013						Tie-on Depth: 0.00 ft									
Field Strength: 48625 nT						Above System Datum: Mean Sea Level									
Vertical Section: Depth From (TVD)				+N/-S		Declination: 7.58 deg									
ft				ft		Mag Dip Angle: 60.44 deg									
				+E/-W		Direction									
				ft		deg									
0.00				0.00		0.00		87.36							
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						
6415.04	0.00	0.00	6415.04	0.00	0.00	0.00	0.00	0.00	0.00						
6686.60	29.87	27.46	6674.46	61.40	31.91	11.00	11.00	0.00	27.46						
7378.16	89.11	90.31	7034.11	239.29	532.92	11.00	8.57	9.09	66.44	T1					
9243.41	89.11	90.31	7063.00	229.27	2397.92	0.00	0.00	0.00	0.00	T2					
9262.79	88.53	90.31	7063.40	229.17	2417.30	3.00	-3.00	0.02	179.65						
11548.36	88.53	90.31	7122.00	216.75	4702.08	0.00	0.00	0.00	0.00	PBHL					
Survey															
MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment					
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft						
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	599367.57	622255.66						
6415.04	0.00	0.00	6415.04	0.00	0.00	0.00	0.00	599367.57	622255.66	KOP					
6450.00	3.85	27.46	6449.97	1.04	0.54	0.59	11.00	599368.61	622256.20						
6500.00	9.35	27.46	6499.62	6.13	3.19	3.47	11.00	599373.70	622258.85						
6550.00	14.85	27.46	6548.49	15.43	8.02	8.72	11.00	599383.00	622263.68						
6600.00	20.35	27.46	6596.14	28.83	14.99	16.30	11.00	599396.40	622270.65						
6650.00	25.85	27.46	6642.11	46.23	24.03	26.13	11.00	599413.80	622279.69						
6686.60	29.87	27.46	6674.46	61.40	31.91	34.71	11.00	599428.97	622287.57	Build/Turn					
6700.00	30.49	30.13	6686.05	67.31	35.16	38.22	11.00	599434.88	622290.82						
6750.00	33.22	39.18	6728.54	88.91	50.19	54.23	11.00	599456.48	622305.85						
6800.00	36.52	46.90	6769.57	109.71	69.72	74.70	11.00	599477.28	622325.38						
6850.00	40.24	53.43	6808.78	129.51	93.57	99.44	11.00	599497.08	622349.23						
6900.00	44.27	59.00	6845.80	148.13	121.52	128.21	11.00	599515.70	622377.18						
6950.00	48.53	63.80	6880.28	165.40	153.31	160.77	11.00	599532.97	622408.97						
7000.00	52.98	67.99	6911.91	181.17	188.65	196.80	11.00	599548.74	622444.31						
7050.00	57.55	71.72	6940.40	195.27	227.22	235.97	11.00	599562.84	622482.88						
7100.00	62.22	75.08	6965.49	207.60	268.65	277.93	11.00	599575.17	622524.31						
7150.00	66.96	78.16	6986.94	218.02	312.58	322.29	11.00	599585.59	622568.24						
7200.00	71.76	81.03	7004.56	226.45	358.58	368.63	11.00	599594.02	622614.24						
7250.00	76.60	83.74	7018.19	232.81	406.25	416.54	11.00	599600.38	622661.91						



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Wft Plan Report X Y's.



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Diamond PWU 22 #6H
Well: Diamond PWU 22 #6H
Wellpath: 1

Date: 1/17/2013 Time: 12:08:41 Page: 2
Co-ordinate(NE) Reference: Well: Diamond PWU 22 #6H, Grid North
Vertical (TVD) Reference: SITE 3350.5
Section (VS) Reference: Well (0.00N,0.00E,87.36Azi)
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
7300.00	81.47	86.35	7027.70	237.04	455.13	465.57	11.00	599604.61	622710.79	
7350.00	86.36	88.89	7033.00	239.09	504.79	515.27	11.00	599606.66	622760.45	
7378.16	89.11	90.31	7034.11	239.29	532.92	543.38	11.00	599606.86	622788.58	T1
7400.00	89.11	90.31	7034.45	239.17	554.76	565.19	0.00	599606.74	622810.42	
7500.00	89.11	90.31	7036.00	238.64	654.75	665.04	0.00	599606.21	622910.41	
7600.00	89.11	90.31	7037.55	238.10	754.73	764.90	0.00	599605.67	623010.39	
7700.00	89.11	90.31	7039.10	237.56	854.72	864.76	0.00	599605.13	623110.38	
7800.00	89.11	90.31	7040.64	237.02	954.71	964.61	0.00	599604.59	623210.37	
7900.00	89.11	90.31	7042.19	236.49	1054.69	1064.47	0.00	599604.06	623310.35	
8000.00	89.11	90.31	7043.74	235.95	1154.68	1164.32	0.00	599603.52	623410.34	
8100.00	89.11	90.31	7045.29	235.41	1254.67	1264.18	0.00	599602.98	623510.33	
8200.00	89.11	90.31	7046.84	234.88	1354.65	1364.03	0.00	599602.45	623610.31	
8300.00	89.11	90.31	7048.39	234.34	1454.64	1463.89	0.00	599601.91	623710.30	
8400.00	89.11	90.31	7049.94	233.80	1554.63	1563.75	0.00	599601.37	623810.29	
8500.00	89.11	90.31	7051.49	233.26	1654.61	1663.60	0.00	599600.83	623910.27	
8600.00	89.11	90.31	7053.04	232.73	1754.60	1763.46	0.00	599600.30	624010.26	
8700.00	89.11	90.31	7054.59	232.19	1854.59	1863.31	0.00	599599.76	624110.25	
8800.00	89.11	90.31	7056.14	231.65	1954.57	1963.17	0.00	599599.22	624210.23	
8900.00	89.11	90.31	7057.68	231.12	2054.56	2063.02	0.00	599598.69	624310.22	
9000.00	89.11	90.31	7059.23	230.58	2154.55	2162.88	0.00	599598.15	624410.21	
9100.00	89.11	90.31	7060.78	230.04	2254.53	2262.74	0.00	599597.61	624510.19	
9200.00	89.11	90.31	7062.33	229.51	2354.52	2362.59	0.00	599597.08	624610.18	
9243.41	89.11	90.31	7063.00	229.27	2397.92	2405.94	0.00	599596.84	624653.58	T2
9262.79	88.53	90.31	7063.40	229.17	2417.30	2425.29	3.00	599596.74	624672.96	Hold
9300.00	88.53	90.31	7064.35	228.96	2454.50	2462.44	0.00	599596.53	624710.16	
9400.00	88.53	90.31	7066.92	228.42	2554.46	2562.27	0.00	599595.99	624810.12	
9500.00	88.53	90.31	7069.48	227.88	2654.43	2662.11	0.00	599595.45	624910.09	
9600.00	88.53	90.31	7072.04	227.33	2754.39	2761.94	0.00	599594.90	625010.05	
9700.00	88.53	90.31	7074.61	226.79	2854.36	2861.78	0.00	599594.36	625110.02	
9800.00	88.53	90.31	7077.17	226.25	2954.32	2961.61	0.00	599593.82	625209.98	
9900.00	88.53	90.31	7079.74	225.70	3054.29	3061.44	0.00	599593.27	625309.95	
10000.00	88.53	90.31	7082.30	225.16	3154.26	3161.28	0.00	599592.73	625409.92	
10100.00	88.53	90.31	7084.86	224.62	3254.22	3261.11	0.00	599592.19	625509.88	
10200.00	88.53	90.31	7087.43	224.07	3354.19	3360.95	0.00	599591.64	625609.85	
10300.00	88.53	90.31	7089.99	223.53	3454.15	3460.78	0.00	599591.10	625709.81	
10400.00	88.53	90.31	7092.56	222.99	3554.12	3560.62	0.00	599590.56	625809.78	
10500.00	88.53	90.31	7095.12	222.44	3654.08	3660.45	0.00	599590.01	625909.74	
10600.00	88.53	90.31	7097.68	221.90	3754.05	3760.29	0.00	599589.47	626009.71	
10700.00	88.53	90.31	7100.25	221.36	3854.02	3860.12	0.00	599588.93	626109.68	
10800.00	88.53	90.31	7102.81	220.82	3953.98	3959.96	0.00	599588.39	626209.64	
10900.00	88.53	90.31	7105.38	220.27	4053.95	4059.79	0.00	599587.84	626309.61	
11000.00	88.53	90.31	7107.94	219.73	4153.91	4159.62	0.00	599587.30	626409.57	
11100.00	88.53	90.31	7110.50	219.19	4253.88	4259.46	0.00	599586.76	626509.54	
11200.00	88.53	90.31	7113.07	218.64	4353.84	4359.29	0.00	599586.21	626609.50	
11300.00	88.53	90.31	7115.63	218.10	4453.81	4459.13	0.00	599585.67	626709.47	
11400.00	88.53	90.31	7118.20	217.56	4553.77	4558.96	0.00	599585.13	626809.43	
11500.00	88.53	90.31	7120.76	217.01	4653.74	4658.80	0.00	599584.58	626909.40	
11548.36	88.53	90.31	7122.00	216.75	4702.08	4707.07	0.00	599584.32	626957.74	PBHL



Weatherford

Wft Plan Report X Y's.



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Diamond PWU 22 #6H
Well: Diamond PWU 22 #6H
Wellpath: 1

Date: 1/17/2013 Time: 12:08:41 Page: 3
Co-ordinate(NE) Reference: Well: Diamond PWU 22 #6H, Grid North
Vertical (TVD) Reference: SITE 3350.5
Section (VS) Reference: Well (0.00N,0.00E,87.36Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ----> Deg Min Sec	<---- Longitude ----> Deg Min Sec
T1		7034.11	239.29	532.92	599606.86	622788.58	32 38 53.105 N	104 4 7.334 W
T2	0.89 90.31 -Rectangle (1870x50)	7063.00	229.27	2397.92	599596.84	624653.58	32 38 52.960 N	104 3 45.521 W
PBHL	1.47 90.31 -Rectangle (2308x50)	7122.00	216.75	4702.08	599584.32	626957.74	32 38 52.777 N	104 3 18.571 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
6415.04	6415.04	KOP
6686.60	6674.46	Build/Turn
7378.16	7034.11	LP
9243.41	7063.00	T2/Drop
9262.79	7063.40	Hold
11548.35	7122.00	PBHL



Company: Devon Energy Field: Eddy Co., NM (NAD 83) Reference Site: Diamond PWU 22 #6H Reference Well: Diamond PWU 22 #6H Reference Wellpath:		Date: 1/17/2013 Time: 12:10:54 Page: 1 Co-ordinate(NE) Reference: Well: Diamond PWU 22 #6H, Grid North Vertical (TVD) Reference: SITE 3350.5 Db: Sybase										
NO GLOBAL SCAN: Using user defined selection & scan criteria Interpolation Method: MD + Stations Interval: 100.00 ft Depth Range: 100.00 to 11514.92 ft Maximum Radius: 40000.00 ft		Reference: Plan: Plan #3 Error Model: ISCWSA Ellipse Scan Method: Closest Approach 3D Error Surface: Ellipse										
Plan: Plan #3 Principal: Yes		Date Composed: 1/16/2013 Version: 1 Tied-to: From Surface										
Summary												
Offset Wellpath Site Well Wellpath		Reference MD Offset MD Ctr-Ctr Edge Distance Separation Distance Factor Warning										
Diamond PWU 22 2H 2H 1 V2		11500.00 12447.07 928.72 837.98 10.23										
Site: Diamond PWU 22 2H Well: 2H Wellpath: 1 V2		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
100.00	100.00	97.54	97.54	0.09	0.02	0.38	419.59	2.77	419.61	419.50	4032.41	
200.00	200.00	200.88	200.88	0.32	0.07	0.31	418.71	2.28	418.75	418.38	1114.53	
300.00	300.00	301.60	301.58	0.54	0.12	0.22	417.30	1.57	417.35	416.70	646.40	
400.00	400.00	401.52	401.49	0.77	0.17	0.11	415.85	0.81	415.90	414.98	455.14	
500.00	500.00	501.79	501.75	0.99	0.22	0.01	414.38	0.10	414.42	413.24	350.82	
600.00	600.00	601.99	601.93	1.22	0.27	-0.10	412.84	-0.71	412.89	411.44	284.88	
700.00	700.00	702.08	702.00	1.44	0.32	-0.21	411.27	-1.54	411.32	409.60	239.49	
800.00	800.00	802.12	802.03	1.67	0.37	-0.33	409.66	-2.39	409.72	407.74	206.33	
900.00	900.00	901.73	901.62	1.89	0.43	-0.46	408.11	-3.29	408.17	405.91	181.28	
1000.00	1000.00	1001.33	1001.21	2.12	0.49	-0.56	406.66	-3.95	406.72	404.21	161.66	
1100.00	1100.00	1101.85	1101.72	2.34	0.55	359.39	405.22	-4.30	405.29	402.51	145.49	
1200.00	1200.00	1200.99	1200.85	2.56	0.61	359.37	403.73	-4.47	403.79	400.73	131.94	
1300.00	1300.00	1298.83	1298.68	2.79	0.67	359.31	402.68	-4.82	402.72	399.37	120.32	
1400.00	1400.00	1397.46	1397.31	3.01	0.74	359.22	402.08	-5.47	402.12	398.52	111.46	
1500.00	1500.00	1496.45	1496.29	3.24	0.80	359.07	401.75	-6.50	401.80	397.94	103.96	
1600.00	1600.00	1595.12	1594.95	3.46	0.85	358.88	401.69	-7.84	401.77	397.65	97.67	
1700.00	1700.00	1694.58	1694.40	3.69	0.89	358.68	401.87	-9.27	401.98	397.63	92.32	
1800.00	1800.00	1793.85	1793.66	3.91	0.93	358.48	402.20	-10.69	402.35	397.75	87.57	
1900.00	1900.00	1894.18	1893.98	4.14	0.97	358.29	402.58	-12.00	402.76	397.92	83.27	
2000.00	2000.00	1993.45	1993.24	4.36	1.01	358.13	403.01	-13.15	403.23	398.16	79.41	
2100.00	2100.00	2093.45	2093.24	4.59	1.05	357.98	403.54	-14.22	403.79	398.48	76.03	
2200.00	2200.00	2193.27	2193.05	4.81	1.09	357.85	404.07	-15.19	404.37	398.84	73.13	
2300.00	2300.00	2292.										



Weatherford Anticollision Report



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Diamond PWU 22 #6H
Reference Well: Diamond PWU 22 #6H
Reference Wellpath:

Date: 1/17/2013 Time: 12:10:54 Page: 2
Co-ordinate(N/E) Reference: Well: Diamond PWU 22 #6H, Grid North
Vertical (TVD) Reference: SITE 3350.5

Db: Sybase

Site: Diamond PWU 22 2H
Well: 2H
Wellpath: 1 V2

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		
3700.00	3700.00	3696.15	3695.87	8.18	1.95	356.31	406.15	-26.21	407.00	398.20	46.25	
3800.00	3800.00	3796.20	3795.90	8.41	2.02	356.05	405.93	-28.03	406.90	397.87	45.06	
3900.00	3900.00	3895.60	3895.29	8.63	2.09	355.76	405.72	-30.05	406.83	397.57	43.91	
4000.00	4000.00	3992.86	3992.53	8.86	2.15	355.51	405.98	-31.90	407.24	397.79	43.06	
4100.00	4100.00	4091.29	4090.94	9.08	2.20	355.29	406.79	-33.48	408.19	398.55	42.34	
4200.00	4200.00	4190.40	4190.03	9.31	2.25	355.04	407.83	-35.41	409.40	399.60	41.75	
4300.00	4300.00	4289.71	4289.30	9.53	2.31	354.74	409.09	-37.64	410.87	400.89	41.18	
4400.00	4400.00	4390.07	4389.63	9.76	2.36	354.42	410.33	-40.08	412.32	402.16	40.59	
4500.00	4500.00	4490.34	4489.86	9.98	2.42	354.10	411.50	-42.56	413.73	403.39	39.99	
4600.00	4600.00	4590.73	4590.23	10.21	2.47	353.83	412.60	-44.61	415.03	404.51	39.42	
4700.00	4700.00	4692.01	4691.48	10.43	2.53	353.57	413.59	-46.58	416.22	405.50	38.81	
4800.00	4800.00	4793.96	4793.41	10.66	2.60	353.33	414.10	-48.44	416.93	405.99	38.10	
4900.00	4900.00	4895.67	4895.10	10.88	2.67	353.02	414.14	-50.72	417.23	406.06	37.36	
5000.00	5000.00	4995.87	4995.24	11.11	2.74	352.58	413.76	-53.89	417.26	405.85	36.58	
5100.00	5100.00	5093.63	5092.93	11.33	2.81	352.08	413.55	-57.56	417.54	405.90	35.87	
5200.00	5200.00	5188.92	5188.16	11.56	2.87	351.62	414.14	-61.03	418.68	406.87	35.44	
5300.00	5300.00	5287.90	5287.08	11.78	2.92	351.22	415.66	-64.18	420.67	408.62	34.91	
5400.00	5400.00	5387.76	5386.86	12.00	2.99	350.78	417.14	-67.71	422.68	410.38	34.36	
5500.00	5500.00	5490.39	5489.39	12.23	3.06	350.21	418.24	-72.16	424.46	411.87	33.69	
5600.00	5600.00	5592.76	5591.66	12.45	3.13	349.61	418.64	-76.73	425.63	412.76	33.08	
5700.00	5700.00	5693.18	5691.99	12.68	3.19	349.07	418.71	-80.90	426.47	413.34	32.48	
5800.00	5800.00	5791.52	5790.25	12.90	3.26	348.54	418.91	-84.94	427.47	414.07	31.90	
5900.00	5900.00	5887.84	5886.47	13.13	3.33	347.98	419.61	-89.34	429.11	415.44	31.38	
6000.00	6000.00	5983.58	5982.07	13.35	3.39	347.41	421.21	-94.09	431.80	417.82	30.90	
6100.00	6100.00	6084.04	6082.36	13.58	3.46	346.76	423.15	-99.56	434.90	420.64	30.50	
6200.00	6200.00	6187.61	6185.74	13.80	3.53	346.02	424.57	-105.73	437.64	423.07	30.03	
6300.00	6300.00	6291.67	6289.66	14.03	3.59	345.34	424.85	-111.12	439.18	424.37	29.65	
6400.00	6400.00	6391.02	6388.89	14.25	3.65	344.75	425.08	-115.92	440.65	425.56	29.20	
6415.04	6415.04	6406.12	6403.98	14.29	3.66	344.66	425.12	-116.63	440.87	425.74	29.13	
6450.00	6449.97	6441.19	6439.01	14.36	3.68	316.86	425.20	-118.28	440.53	425.31	28.94	
6500.00	6499.62	6491.18	6488.95	14.47	3.72	315.79	425.28	-120.60	437.08	421.76	28.51	
6550.00	6548.49	6540.34	6538.05	14.58	3.75	314.00	425.30	-122.88	430.31	414.88	27.90	
6600.00	6596.14	6589.23	6586.90	14.69	3.78	311.42	425.22	-125.03	420.42	404.88	27.05	
6650.00	6642.11	6636.25	6633.87	14.80	3.81	308.04	425.04	-126.89	407.78	392.12	26.04	
6686.60	6674.46	6668.68	6666.29	14.89	3.83	305.10	424.90	-128.00	397.13	381.35	25.16	
6700.00	6686.05	6680.32	6677.92	14.93	3.83	301.63	424.86	-128.34	393.18	377.25	24.68	
6750.00	6728.54	6723.14	6720.73	15.07	3.86	289.54	424.77	-129.40	380.88	364.33	23.01	
6800.00	6769.57	6766.01	6763.59	15.22	3.88	278.77	424.65	-130.17	373.02	355.69	21.52	
6850.00	6808.78	6807.08	6804.66	15.40	3.91	269.43	424.34	-130.72	370.45	352.73	20.91	
6900.00	6845.80	6845.16	6842.73	15.61	3.93	261.57	423.91	-131.07	373.97	355.91	20.71	
6950.00	6880.28	6880.24	6877.81	15.85	3.94	255.08	423.45	-131.30	384.18	365.79	20.89	
7000.00	6911.91	6912.50	6910.07	16.13	3.95	249.85	422.99	-131.44	401.18	382.50	21.48	
7050.00	6940.40	6940.79	6938.35	16.46	3.95	245.94	422.56	-131.51	424.68	405.76	22.45	
7100.00	6965.49	6965.52	6963.07	16.85	3.96	243.27	422.19	-131.58	454.14	434.97	23.69	
7150.00	6986.94	6986.65	6984.20	17.31	3.96	241.87	421.87	-131.64	488.76	469.28	25.08	
7200.00	7004.56	7003.98	7001.53	17.83	3.97	241.95	421.62	-131.69	527.69	507.74	26.45	
7250.00	7018.19	7017.66	7015.21	18.41	3.97	243.89	421.43	-131.73	570.08	549.44	27.61	
7300.00	7027.70	7027.63	7025.19	19.05	3.97	248.51	421.28	-131.74	615.12	593.46	28.40	
7350.00	7033.00	7033.24	7030.79	19.73	3.97	257.67	421.20	-131.75	662.08	639.05	28.76	
7378.16	7034.11	7034.42	7031.98	20.13	3.97	265.93	421.19	-131.75	689.11	665.32	28.96	
7400.00	7034.45	7034.79	7032.34	20.50	3.97	265.82	421.18	-131.75	710.23	686.06	29.38	



Weatherford Anticollision Report



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Diamond PWU 22 #6H
Reference Well: Diamond PWU 22 #6H
Reference Wellpath:

Date: 1/17/2013

Time: 12:10:54

Page: 3

Co-ordinate(NE) Reference: Well: Diamond PWU 22 #6H, Grid North
Vertical (TVD) Reference: SITE 3350.5

Db: Sybase

Site: Diamond PWU 22 2H
Well: 2H
Wellpath: 1 V2

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		
7500.00	7036.00	7036.46	7034.01	22.34	3.97	265.28	421.16	-131.75	807.40	781.38	31.02	
7600.00	7037.55	8535.83	7899.10	24.35	22.53	190.97	405.82	766.44	882.22	854.29	31.58	
7700.00	7039.10	8653.65	7894.88	26.49	25.73	191.48	412.07	884.02	878.30	849.26	30.25	
7800.00	7040.64	8750.45	7890.28	28.74	28.37	191.95	417.62	980.54	873.40	843.20	28.92	
7900.00	7042.19	8827.47	7888.07	31.07	30.48	192.22	420.55	1057.47	870.07	838.75	27.78	
8000.00	7043.74	8895.00	7889.07	33.47	32.33	192.30	421.43	1124.98	870.34	837.94	26.87	
8100.00	7045.29	8990.63	7892.94	35.92	34.95	192.28	421.17	1220.53	872.83	839.21	25.96	
8200.00	7046.84	9096.65	7897.20	38.41	37.83	192.19	419.79	1326.46	875.08	840.17	25.07	
8300.00	7048.39	9217.37	7901.25	40.93	41.12	191.87	414.54	1446.99	876.12	839.94	24.22	
8400.00	7049.94	9336.38	7901.23	43.48	44.43	191.65	410.17	1565.91	873.85	836.34	23.30	
8500.00	7051.49	9443.50	7899.93	46.06	47.38	191.59	408.09	1673.00	870.87	831.97	22.39	
8600.00	7053.04	9534.92	7898.48	48.65	49.89	191.58	406.72	1764.41	867.63	827.37	21.55	
8700.00	7054.59	9636.54	7897.80	51.26	52.69	191.54	405.13	1866.00	865.25	823.57	20.76	
8800.00	7056.14	9718.65	7897.37	53.89	54.95	191.57	404.79	1948.11	863.30	820.23	20.04	
8900.00	7057.68	9799.17	7898.86	56.53	57.15	191.64	405.50	2028.61	863.86	819.36	19.41	
9000.00	7059.23	9884.83	7901.92	59.18	59.49	191.76	407.28	2114.20	866.36	820.33	18.82	
9100.00	7060.78	9980.84	7906.50	61.84	62.12	191.90	409.58	2210.08	870.10	822.42	18.25	
9200.00	7062.33	10088.33	7911.23	64.50	65.08	192.01	411.38	2317.44	873.35	823.93	17.67	
9243.41	7063.00	10133.84	7913.07	65.66	66.33	192.03	411.67	2362.91	874.52	824.37	17.44	
9262.79	7063.40	10150.36	7913.77	66.18	66.78	192.03	411.69	2379.42	874.96	824.49	17.34	
9300.00	7064.35	10182.05	7915.29	67.18	67.65	192.02	411.58	2411.07	875.79	824.78	17.17	
9400.00	7066.92	10271.49	7920.83	69.86	70.05	191.90	409.91	2500.32	879.06	826.66	16.78	
9500.00	7069.48	10349.70	7927.09	72.54	72.19	191.65	406.46	2578.20	883.71	830.23	16.52	
9600.00	7072.04	10418.91	7934.87	75.23	74.14	191.49	404.68	2646.94	891.77	837.17	16.33	
9700.00	7074.61	10527.15	7947.86	77.93	77.05	191.38	404.51	2754.39	901.13	844.98	16.05	
9800.00	7077.17	10642.14	7960.50	80.63	80.13	191.01	399.76	2868.58	908.68	851.27	15.83	
9900.00	7079.74	10744.39	7970.85	83.33	83.01	190.75	396.59	2970.25	915.64	856.96	15.60	
10000.00	7082.30	10859.14	7981.36	86.04	86.16	190.55	394.19	3084.49	921.88	861.75	15.33	
10100.00	7084.86	10990.35	7989.73	88.75	89.76	190.39	391.75	3215.41	925.41	863.66	14.99	
10200.00	7087.43	11111.29	7993.94	91.46	93.08	190.24	388.76	3336.22	925.95	862.68	14.63	
10300.00	7089.99	11220.47	7995.45	94.17	96.09	190.27	388.51	3445.39	924.83	859.85	14.23	
10400.00	7092.56	11320.76	7995.93	96.89	98.78	190.46	390.65	3545.66	923.27	856.38	13.80	
10500.00	7095.12	11424.98	7995.93	99.61	101.53	190.83	395.57	3649.76	921.72	852.57	13.33	
10600.00	7097.68	11525.34	7995.05	102.33	104.29	191.26	401.45	3749.94	919.57	848.00	12.85	
10700.00	7100.25	11626.04	7994.72	105.05	107.15	191.59	405.73	3850.55	917.69	843.82	12.42	
10800.00	7102.81	11702.76	7995.20	107.78	109.26	191.76	407.70	3927.24	916.54	840.82	12.11	
10900.00	7105.38	11779.75	7998.36	110.50	111.38	191.91	410.10	4004.12	918.69	841.11	11.84	
11000.00	7107.94	11878.61	8003.68	113.23	114.13	191.99	411.35	4102.83	921.83	842.38	11.60	
11100.00	7110.50	11979.71	8009.39	115.96	116.90	191.96	411.07	4203.77	924.90	843.76	11.40	
11200.00	7113.07	12081.49	8014.90	118.69	119.70	191.98	411.40	4305.40	927.87	844.94	11.19	
11300.00	7115.63	12180.99	8019.75	121.42	122.35	192.09	413.16	4404.76	930.61	845.70	10.96	
11400.00	7118.20	12328.27	8023.80	124.15	126.40	192.49	419.18	4551.83	932.17	844.19	10.59	
11500.00	7120.76	12447.07	8021.64	126.89	129.66	192.85	423.22	4670.55	928.72	837.98	10.23	

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

GeoDec v5.03

Report Date: October 19, 2012

Job Number: _____

Customer: Devon Energy

Well Name: Diamon PWU 22 #6H

API Number: _____

Rig Name: _____

Location: Eddy Co., NM

Block: _____

Engineer: Patrick Rudolph

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 599367.570 USFT

Latitude 32.6474340 DEG

East/West 622255.660 USFT

Longitude -104.0704332 DEG

Grid Convergence: .14°

Total Correction: +7.44°

Geodetic Location WGS84

Elevation = 0.0 Meters

Latitude = 32.64743° N 32° 38 min 50.762 sec

Longitude = 104.07043° W 104° 4 min 13.560 sec

Magnetic Declination = 7.58° [True North Offset]

Local Gravity = .9988 g CheckSum = 6584

Local Field Strength = 48621 nT Magnetic Vector X = 23777 nT

Magnetic Dip = 60.44° Magnetic Vector Y = 3166 nT

Magnetic Model = IGRF-2010g11 Magnetic Vector Z = 42292 nT

Spud Date = Aug 15, 2013 Magnetic Vector H = 23987 nT

Signed: _____

Date: _____