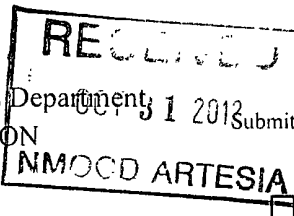


District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis 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
Submit one copy to appropriate
District Office
☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-40822	² Pool Code 600660	³ Pool Name Turkey Track ; Bone Spring
⁴ Property Code 38433	⁵ Property Name DIAMOND PWU 22	
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	
		⁶ Well Number 5H
		⁹ Elevation 3332.7

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	22	19 S	29 E		725	NORTH	330	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

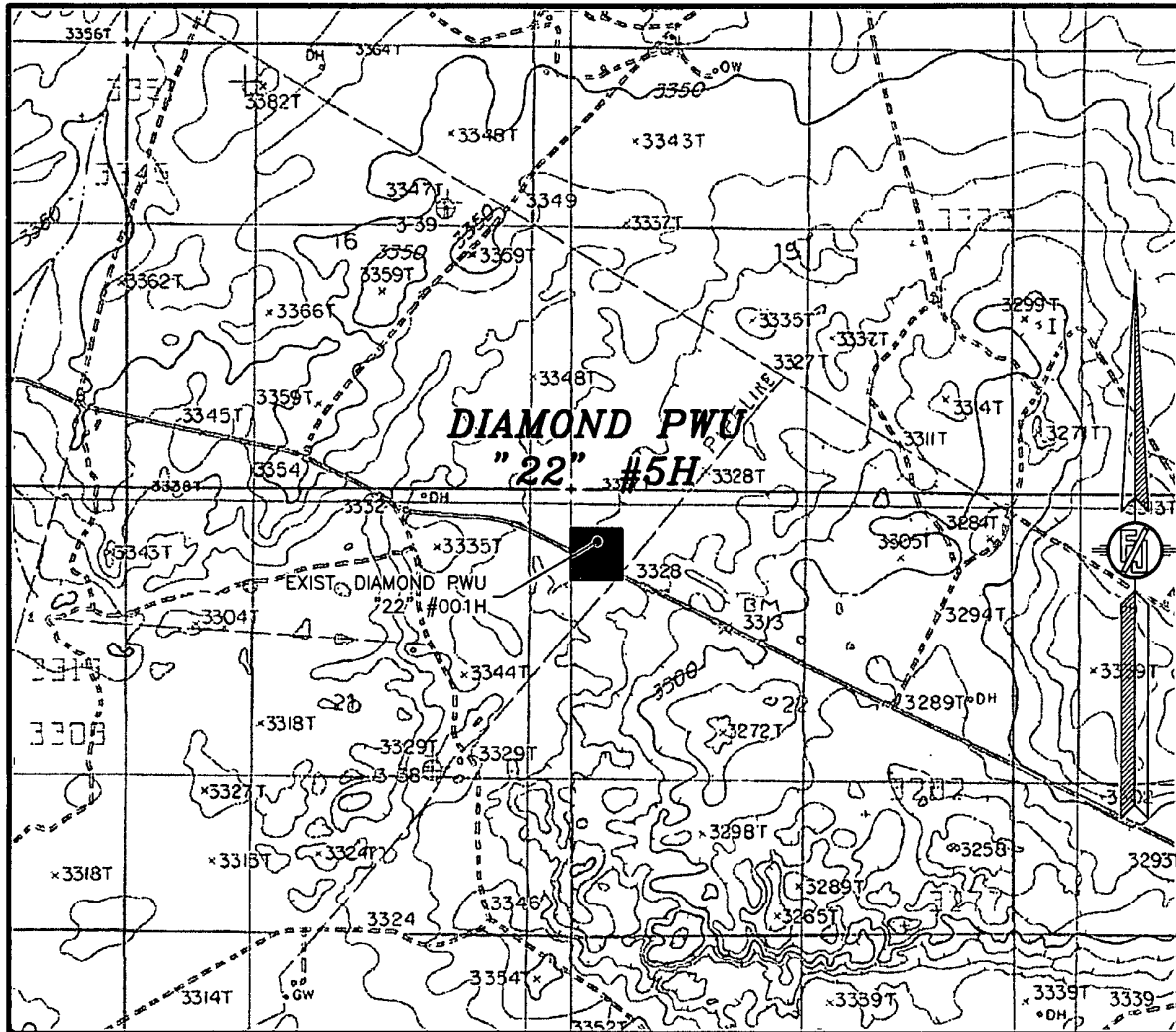
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	22	19 S	29 E		660	NORTH	330	EAST	EDDY

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.

DIAMOND PWU "22" #5H ELEV. = 3332.7' LAT. = 32.6515405°N (NAD83) LONG. = 104.0701337°W NMSP EAST (FT) N = 600861.78 E = 622344.15 W O CORNER SEC 22 LAT. = 32.6462644°N LONG. = 104.0712566°W NMSP EAST (FT) N = 598941.42 E = 622003.29 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	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. <i>Melanie Crawford</i> 10/30/12 Signature Date Melanie Crawford Printed Name Melanie.Crawford@dmv.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 4, 2012 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor Certificate Number: ELIMON F. JARAMILLO, PLS 12797 Survey No. 1238

SECTION 22, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
ILLINOIS CAMP NE

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

DIAMOND PWU "22" #5H

LOCATED 725 FT. FROM THE NORTH LINE
AND 330 FT. FROM THE WEST LINE OF

SECTION 22, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.

EDDY COUNTY, STATE OF NEW MEXICO

SEPTEMBER 4, 2012

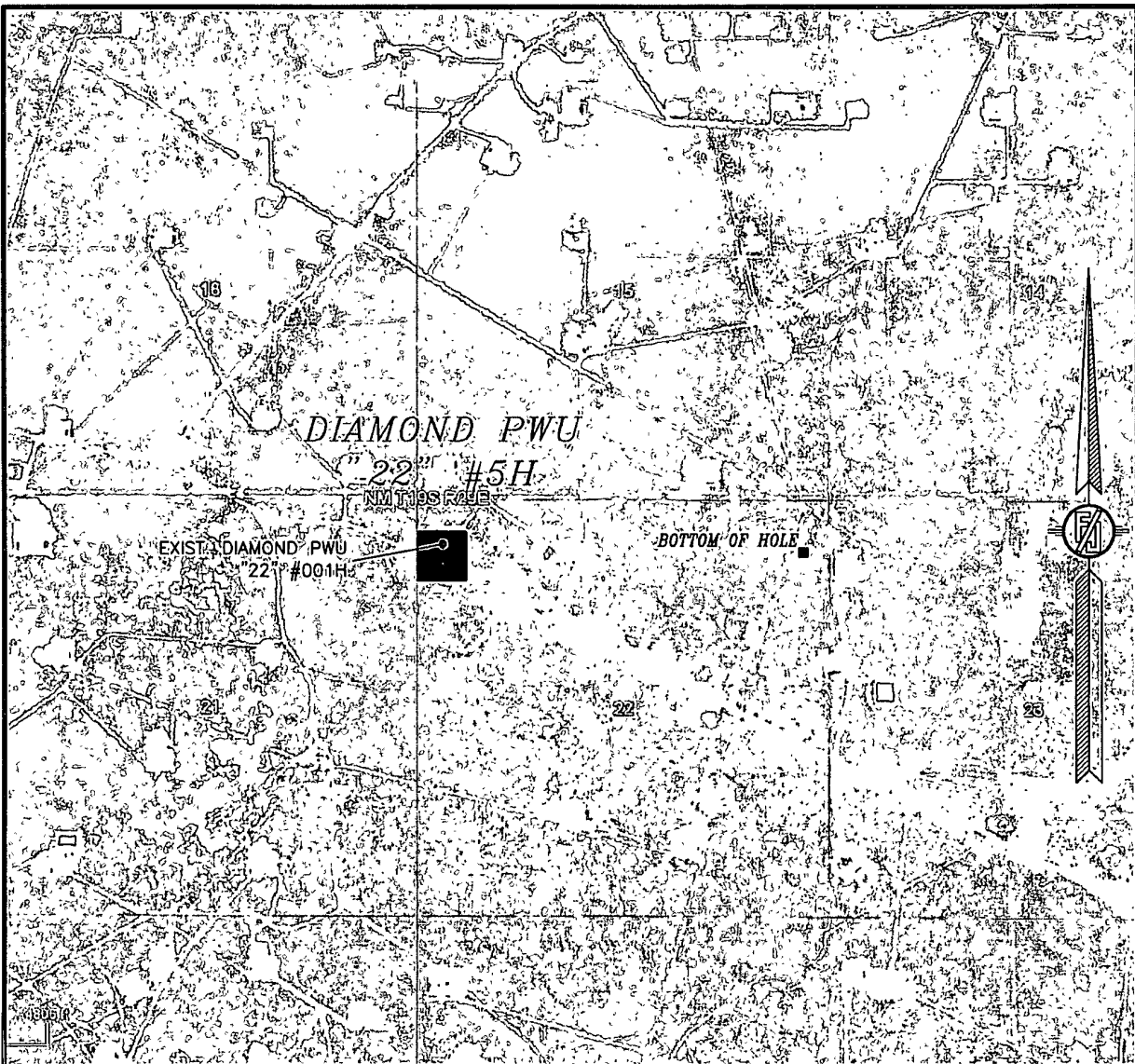
SURVEY NO. 1238

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

Topographic map showing the area around Diamond PWU. The map includes contour lines, roads, and geographical features. A prominent label reads "DIAMOND PWU" and "22" #5H". Other labels include "Burton", "ATCHISON", "SANTA FE", "RIDGE", "Widow", "Pond", "Basin", and "Canyon". A compass rose is visible in the upper right corner.

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 22, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
JUNE 2011

DEVON ENERGY PRODUCTION COMPANY, L.P.
DIAMOND PWU "22" #5H
LOCATED 725 FT. FROM THE NORTH LINE
AND 330 FT. FROM THE WEST LINE OF
SECTION 22, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

SEPTEMBER 4, 2012

SURVEY NO. 1238

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

RECEIVED

OCT 31 2012

NMOCD ARTESIA



Weatherford®

Drilling Services

Proposal



devon

DIAMOND PWU 22 #5H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

OCTOBER 18, 2012

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

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www.weatherford.com

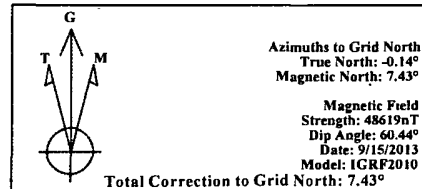
devon

Diamond PWU 22 #5H
Eddy Co., NM

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	89.48	0.00	0.00	0.00	0.00	0.00	0.00	
2	6542.04	0.00	89.48	6542.04	0.00	0.00	0.00	0.00	0.00	
3	7442.04	90.00	89.48	7115.00	5.24	572.93	10.00	89.48	572.96	
4	11485.60	90.00	89.48	7115.00	42.22	4616.32	0.00	0.00	4616.51	PBHL

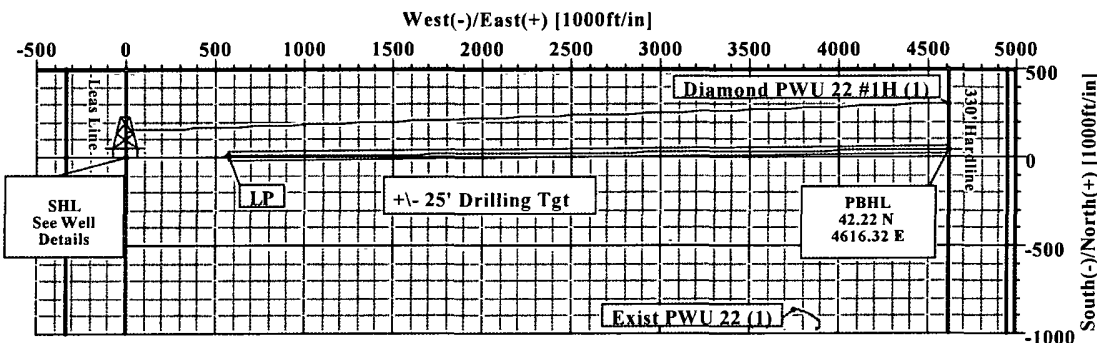
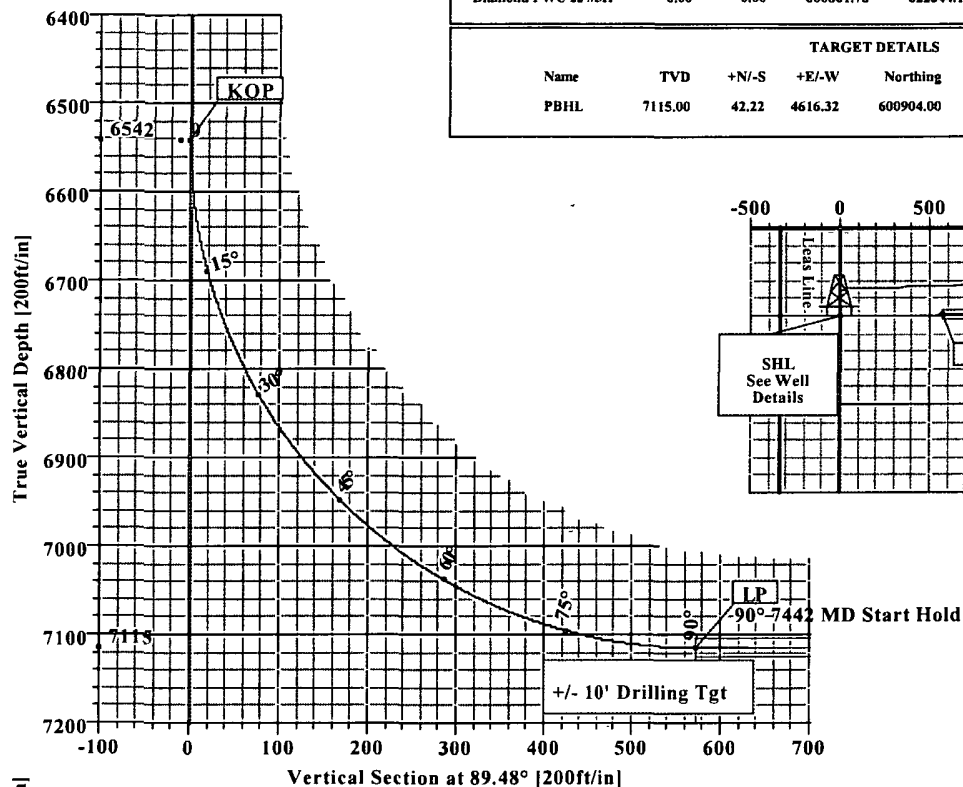
WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Diamond PWU 22 #5H	0.00	0.00	600861.78	622344.15	32°39'05.534N	104°04'12.496W

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7115.00	42.22	4616.32	600904.00	626960.47	Rectangle (4044x50)



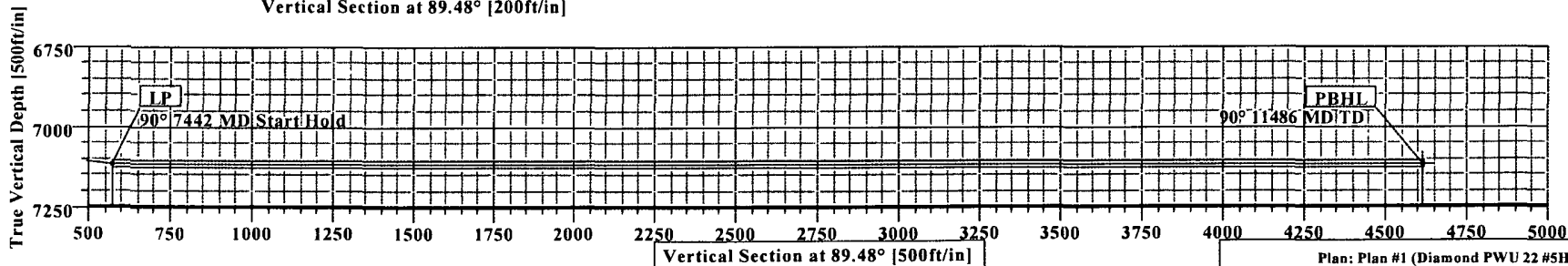
FIELD DETAILS
 Eddy Co., NM (NAD 83)
 Geodetic System: US State Plane Coordinate System 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico, Eastern Zone
 Magnetic Model: IGRF2010
 System Datum: Mean Sea Level
 Local North: Grid North

KB ELEV: 3351
 GL ELEV: 3333



LEGEND
 Diamond PWU 22 #1H (1)
 Exist PWU 22 (1)
 Plan #1

SITE DETAILS
 Diamond PWU 22 #5H
 Site Centre Northing: 600861.78
 Easting: 622344.15
 Ground Level: 3333.00
 Positional Uncertainty: 0.00
 Convergence: 0.14



Plan: Plan #1 (Diamond PWU 22 #5H/1)
 Created By: Russell W. Joyner
 Date: 10/18/2012



Weatherford

WFT Plan Report - X & Y's



Company: Devon Energy Date: 10/18/2012 Time: 13 08:34 Page: 1
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well Diamond PWU 22 #5H, Grid North
Site: Diamond PWU 22 #5H Vertical (TVD) Reference: SITE 3351.0
Well: Diamond PWU 22 #5H Section (VS) Reference: Well (0.00N,0.00E,89.48Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #1 Date Composed: 10/18/2012
Principal: Yes Version: 1
Tied-to: From Surface

Field: Eddy Co., NM (NAD 83)

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

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

Site: Diamond PWU 22 #5H

Site Position: Northing: 600861.78 ft Latitude: 32 39 5.534 N
From: Map Easting: 622344.15 ft Longitude: 104 4 12.496 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3333.00 ft Grid Convergence: 0.14 deg

Well: Diamond PWU 22 #5H Slot Name:
Well Position: +N/-S 0.00 ft Northing: 600861.78 ft Latitude: 32 39 5.534 N
+E/-W 0.00 ft Easting: 622344.15 ft Longitude: 104 4 12.496 W
Position Uncertainty: 0.00 ft

Wellpath: 1
Current Datum: SITE Height 3351.00 ft
Magnetic Data: 9/15/2013
Field Strength: 48619 nT
Vertical Section: Depth From (TVD) +N/-S
ft ft
0.00 0.00 0.00 89.48

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	89.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6542.04	0.00	89.48	6542.04	0.00	0.00	0.00	0.00	0.00	0.00	
7442.04	90.00	89.48	7115.00	5.24	572.93	10.00	10.00	0.00	89.48	
11485.60	90.00	89.48	7115.00	42.22	4616.32	0.00	0.00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comments
6500.00	0.00	89.48	6500.00	0.00	0.00	0.00	0.00	600861.78	622344.15	KOP
6542.04	0.00	89.48	6542.04	0.00	0.00	0.00	0.00	600861.78	622344.15	
6550.00	0.80	89.48	6550.00	0.00	0.06	0.06	10.00	600861.78	622344.21	
6600.00	5.80	89.48	6599.90	0.03	2.93	2.93	10.00	600861.81	622347.08	
6650.00	10.80	89.48	6649.36	0.09	10.14	10.14	10.00	600861.87	622354.29	
6700.00	15.80	89.48	6698.01	0.20	21.64	21.64	10.00	600861.98	622365.79	
6750.00	20.80	89.48	6745.46	0.34	37.33	37.33	10.00	600862.12	622381.48	
6800.00	25.80	89.48	6791.37	0.52	57.09	57.09	10.00	600862.30	622401.24	
6850.00	30.80	89.48	6835.38	0.74	80.79	80.79	10.00	600862.52	622424.94	
6900.00	35.80	89.48	6877.16	0.99	108.22	108.23	10.00	600862.77	622452.37	
6950.00	40.80	89.48	6916.39	1.27	139.20	139.20	10.00	600863.05	622483.35	
7000.00	45.80	89.48	6952.77	1.59	173.47	173.48	10.00	600863.37	622517.62	
7050.00	50.80	89.48	6986.03	1.93	210.79	210.80	10.00	600863.71	622554.94	
7100.00	55.80	89.48	7015.90	2.29	250.86	250.87	10.00	600864.07	622595.01	
7150.00	60.80	89.48	7042.17	2.68	293.39	293.40	10.00	600864.46	622637.54	
7200.00	65.80	89.48	7064.63	3.09	338.04	338.05	10.00	600864.87	622682.19	
7250.00	70.80	89.48	7083.12	3.52	384.48	384.49	10.00	600865.30	622728.63	



Weatherford

WFT Plan Report - X & Y's



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Diamond PWU 22 #5H
Well: Diamond PWU 22 #5H
Wellpath: 1

Date: 10/18/2012 Time: 13:08:34 Page: 2
Co-ordinate(NE) Reference: Well: Diamond PWU 22 #5H, Grid North
Vertical (TVD) Reference: SITE 3351.0
Section (VS) Reference: Well (0 00N,0.00E,89.48Az)
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	75.80	89.48	7097.48	3.95	432.35	432.37	10.00	600865.73	622776.50	
7350.00	80.80	89.48	7107.62	4.40	481.29	481.31	10.00	600866.18	622825.44	
7400.00	85.80	89.48	7113.46	4.86	530.93	530.95	10.00	600866.64	622875.08	
7442.04	90.00	89.48	7115.00	5.24	572.93	572.96	10.00	600867.02	622917.08	LP
7500.00	90.00	89.48	7115.00	5.77	630.89	630.92	0.00	600867.55	622975.04	
7600.00	90.00	89.48	7115.00	6.68	730.89	730.92	0.00	600868.46	623075.04	
7700.00	90.00	89.48	7115.00	7.60	830.88	830.92	0.00	600869.38	623175.03	
7800.00	90.00	89.48	7115.00	8.51	930.88	930.92	0.00	600870.29	623275.03	
7900.00	90.00	89.48	7115.00	9.43	1030.87	1030.92	0.00	600871.21	623375.02	
8000.00	90.00	89.48	7115.00	10.34	1130.87	1130.92	0.00	600872.12	623475.02	
8100.00	90.00	89.48	7115.00	11.26	1230.86	1230.92	0.00	600873.04	623575.01	
8200.00	90.00	89.48	7115.00	12.17	1330.86	1330.92	0.00	600873.95	623675.01	
8300.00	90.00	89.48	7115.00	13.09	1430.86	1430.92	0.00	600874.87	623775.01	
8400.00	90.00	89.48	7115.00	14.00	1530.85	1530.92	0.00	600875.78	623875.00	
8500.00	90.00	89.48	7115.00	14.92	1630.85	1630.92	0.00	600876.70	623975.00	
8600.00	90.00	89.48	7115.00	15.83	1730.84	1730.92	0.00	600877.61	624074.99	
8700.00	90.00	89.48	7115.00	16.74	1830.84	1830.92	0.00	600878.52	624174.99	
8800.00	90.00	89.48	7115.00	17.66	1930.83	1930.92	0.00	600879.44	624274.98	
8900.00	90.00	89.48	7115.00	18.57	2030.83	2030.92	0.00	600880.35	624374.98	
9000.00	90.00	89.48	7115.00	19.49	2130.83	2130.92	0.00	600881.27	624474.98	
9100.00	90.00	89.48	7115.00	20.40	2230.82	2230.92	0.00	600882.18	624574.97	
9200.00	90.00	89.48	7115.00	21.32	2330.82	2330.92	0.00	600883.10	624674.97	
9300.00	90.00	89.48	7115.00	22.23	2430.81	2430.92	0.00	600884.01	624774.96	
9400.00	90.00	89.48	7115.00	23.15	2530.81	2530.92	0.00	600884.93	624874.96	
9500.00	90.00	89.48	7115.00	24.06	2630.81	2630.92	0.00	600885.84	624974.96	
9600.00	90.00	89.48	7115.00	24.98	2730.80	2730.92	0.00	600886.76	625074.95	
9700.00	90.00	89.48	7115.00	25.89	2830.80	2830.92	0.00	600887.67	625174.95	
9800.00	90.00	89.48	7115.00	26.80	2930.79	2930.92	0.00	600888.58	625274.94	
9900.00	90.00	89.48	7115.00	27.72	3030.79	3030.92	0.00	600889.50	625374.94	
10000.00	90.00	89.48	7115.00	28.63	3130.78	3130.92	0.00	600890.41	625474.93	
10100.00	90.00	89.48	7115.00	29.55	3230.78	3230.92	0.00	600891.33	625574.93	
10200.00	90.00	89.48	7115.00	30.46	3330.78	3330.92	0.00	600892.24	625674.93	
10300.00	90.00	89.48	7115.00	31.38	3430.77	3430.92	0.00	600893.16	625774.92	
10400.00	90.00	89.48	7115.00	32.29	3530.77	3530.92	0.00	600894.07	625874.92	
10500.00	90.00	89.48	7115.00	33.21	3630.76	3630.92	0.00	600894.99	625974.91	
10600.00	90.00	89.48	7115.00	34.12	3730.76	3730.92	0.00	600895.90	626074.91	
10700.00	90.00	89.48	7115.00	35.04	3830.76	3830.92	0.00	600896.82	626174.91	
10800.00	90.00	89.48	7115.00	35.95	3930.75	3930.92	0.00	600897.73	626274.90	
10900.00	90.00	89.48	7115.00	36.86	4030.75	4030.92	0.00	600898.64	626374.90	
11000.00	90.00	89.48	7115.00	37.78	4130.74	4130.92	0.00	600899.56	626474.89	
11100.00	90.00	89.48	7115.00	38.69	4230.74	4230.92	0.00	600900.47	626574.89	
11200.00	90.00	89.48	7115.00	39.61	4330.73	4330.92	0.00	600901.39	626674.88	
11300.00	90.00	89.48	7115.00	40.52	4430.73	4430.92	0.00	600902.30	626774.88	
11400.00	90.00	89.48	7115.00	41.44	4530.73	4530.92	0.00	600903.22	626874.88	
11485.60	90.00	89.48	7115.00	42.22	4616.32	4616.51	0.00	600904.00	626960.47	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
								Deg	Min	Sec	Deg	Min	Sec
PBHL			7115.00	42.22	4616.32	600904.00	626960.47	32	39	5.835 N	104	3	18.499 W



Weatherford

WFT Plan Report - X & Y's



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Diamond PWU 22 #5H
Well: Diamond PWU 22 #5H
Wellpath: 1

Date: 10/18/2012 Time: 13 08 34 Page: 3
Co-ordinate(NE) Reference: Well Diamond PWU 22 #5H, Grid North
Vertical (TVD) Reference: SITE 3351.0
Section (VS) Reference: Well (0.00N,0.00E,89.48Az)
Survey Calculation Method: Minimum Curvature Db: Sybase

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
6542.04	6542.04	KOP
7442.04	7115.00	LP
11485.59	7115.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



Weatherford Anticollision Report



Company: Devon Energy Date: 10/18/2012 Time: 13.04 05 Page: 1
Field: Eddy Co., NM (NAD 83)
Reference Site: Diamond PWU 22 #5H Co-ordinate(NE) Reference: Well: Diamond PWU 22 #5H, Grid North
Reference Well: Diamond PWU 22 #5H Vertical (TVD) Reference: SITE 3351.0
Reference Wellpath: Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method MD + Stations Interval: 100.00 ft
Depth Range: 100 00 to 16119.05 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: 10/18/2012
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
Diamond PWU 22 #1H	Diamond PWU 22 #1H	V0 Plan: Plan #1 V1		6700.00	6703.01	151.47	121 63	5.08	

Site: Diamond PWU 22 #1H
Well: Diamond PWU 22 #1H
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 ft	TVD ft	MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft	Distance ft	Distance ft	Factor	
100.00	100.00	105.00	105.00	0.09	0.10	0.52	150.31	1.37	150.32	150.13	800.92	
200.00	200.00	205.00	205.00	0.32	0.32	0.52	150.31	1.37	150.32	149.68	235.90	
300.00	300.00	305.00	305.00	0.54	0.55	0.52	150.31	1.37	150.32	149.23	138.32	
400.00	400.00	405.00	405.00	0.77	0.77	0.52	150.31	1.37	150.32	148.78	97.84	
500.00	500.00	505.00	505.00	0.99	0.99	0.52	150.31	1.37	150.32	148.33	75.70	
600.00	600.00	605.00	605.00	1.22	1.22	0.52	150.31	1.37	150.32	147.88	61.72	
700.00	700.00	705.00	705.00	1.44	1.44	0.52	150.31	1.37	150.32	147.43	52.10	
800.00	800.00	805.00	805.00	1.67	1.67	0.52	150.31	1.37	150.32	146.98	45.08	
900.00	900.00	905.00	905.00	1.89	1.89	0.52	150.31	1.37	150.32	146.53	39.72	
1000.00	1000.00	1005.00	1005.00	2.12	2.12	0.52	150.31	1.37	150.32	146.08	35.51	
1100.00	1100.00	1105.00	1105.00	2.34	2.34	0.52	150.31	1.37	150.32	145.63	32.10	
1200.00	1200.00	1205.00	1205.00	2.56	2.57	0.52	150.31	1.37	150.32	145.18	29.29	
1300.00	1300.00	1305.00	1305.00	2.79	2.79	0.52	150.31	1.37	150.32	144.73	26.93	
1400.00	1400.00	1405.00	1405.00	3.01	3.02	0.52	150.31	1.37	150.32	144.28	24.92	
1500.00	1500.00	1505.00	1505.00	3.24	3.24	0.52	150.31	1.37	150.32	143.84	23.19	
1600.00	1600.00	1605.00	1605.00	3.46	3.47	0.52	150.31	1.37	150.32	143.39	21.69	
1700.00	1700.00	1705.00	1705.00	3.69	3.69	0.52	150.31	1.37	150.32	142.94	20.37	
1800.00	1800.00	1805.00	1805.00	3.91	3.92	0.52	150.31	1.37	150.32	142.49	19.20	
1900.00	1900.00	1905.00	1905.00	4.14	4.14	0.52	150.31	1.37	150.32	142.04	18.16	
2000.00	2000.00	2005.00	2005.00	4.36	4.37	0.52	150.31	1.37	150.32	141.59	17.22	
2100.00	2100.00	2105.00	2105.00	4.59	4.59	0.52	150.31	1.37	150.32	141.14	16.38	
2200.00	2200.00	2205.00	2205.00	4.81	4.82	0.52	150.31	1.37	150.32	140.69	15.61	
2300.00	2300.00	2305.00	2305.00	5.04	5.04	0.52	150.31	1.37	150.32	140.24	14.92	
2400.00	2400.00	2405.00	2405.00	5.26	5.27	0.52	150.31	1.37	150.32	139.79	14.28	
2500.00	2500.00	2505.00	2505.00	5.49	5.49	0.52	150.31	1.37	150.32	139.34	13.69	
2600.00	2600.00	2605.00	2605.00	5.71	5.71	0.52	150.31	1.37	150.32	138.89	13.16	
2700.00	2700.00	2705.00	2705.00	5.94	5.94	0.52	150.31	1.37	150.32	138.44	12.66	
2800.00	2800.00	2805.00	2805.00	6.16	6.16	0.52	150.31	1.37	150.32	137.99	12.20	
2900.00	2900.00	2905.00	2905.00	6.39	6.39	0.52	150.31	1.37	150.32	137.54	11.77	
3000.00	3000.00	3005.00	3005.00	6.61	6.61	0.52	150.31	1.37	150.32	137.09	11.37	
3100.00	3100.00	3105.00	3105.00	6.84	6.84	0.52	150.31	1.37	150.32	136.64	10.99	
3200.00	3200.00	3205.00	3205.00	7.06	7.06	0.52	150.31	1.37	150.32	136.19	10.64	
3300.00	3300.00	3305.00	3305.00	7.28	7.29	0.52	150.31	1.37	150.32	135.74	10.31	
3400.00	3400.00	3405.00	3405.00	7.51	7.51	0.52	150.31	1.37	150.32	135.29	10.01	
3500.00	3500.00	3505.00	3505.00	7.73	7.74	0.52	150.31	1.37	150.32	134.84	9.72	
3600.00	3600.00	3605.00	3605.00	7.96	7.96	0.52	150.31	1.37	150.32	134.39	9.44	



Weatherford Anticollision Report



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Diamond PWU 22 #5H
Reference Well: Diamond PWU 22 #5H
Reference Wellpath:
Date: 10/18/2012 Time: 13:04:05 Page: 2
Co-ordinate(NE) Reference: Well: Diamond PWU 22 #5H, Grid North
Vertical (TVD) Reference: SITE 3351.0
Db: Sybase

Site: Diamond PWU 22 #1H
Well: Diamond PWU 22 #1H
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		
3700.00	3700.00	3705.00	3705.00	8.18	8.19	0.52	150.31	1.37	150.32	133.95	9.18	
3800.00	3800.00	3805.00	3805.00	8.41	8.41	0.52	150.31	1.37	150.32	133.50	8.94	
3900.00	3900.00	3905.00	3905.00	8.63	8.64	0.52	150.31	1.37	150.32	133.05	8.70	
4000.00	4000.00	4005.00	4005.00	8.86	8.86	0.52	150.31	1.37	150.32	132.60	8.48	
4100.00	4100.00	4105.00	4105.00	9.08	9.09	0.52	150.31	1.37	150.32	132.15	8.27	
4200.00	4200.00	4205.00	4205.00	9.31	9.31	0.52	150.31	1.37	150.32	131.70	8.07	
4300.00	4300.00	4305.00	4305.00	9.53	9.54	0.52	150.31	1.37	150.32	131.25	7.88	
4400.00	4400.00	4405.00	4405.00	9.76	9.76	0.52	150.31	1.37	150.32	130.80	7.70	
4500.00	4500.00	4505.00	4505.00	9.98	9.99	0.52	150.31	1.37	150.32	130.35	7.53	
4600.00	4600.00	4605.00	4605.00	10.21	10.21	0.52	150.31	1.37	150.32	129.90	7.36	
4700.00	4700.00	4705.00	4705.00	10.43	10.43	0.52	150.31	1.37	150.32	129.45	7.20	
4800.00	4800.00	4805.00	4805.00	10.66	10.66	0.52	150.31	1.37	150.32	129.00	7.05	
4900.00	4900.00	4905.00	4905.00	10.88	10.88	0.52	150.31	1.37	150.32	128.55	6.91	
5000.00	5000.00	5005.00	5005.00	11.11	11.11	0.52	150.31	1.37	150.32	128.10	6.77	
5100.00	5100.00	5105.00	5105.00	11.33	11.33	0.52	150.31	1.37	150.32	127.65	6.63	
5200.00	5200.00	5205.00	5205.00	11.56	11.56	0.52	150.31	1.37	150.32	127.20	6.50	
5300.00	5300.00	5305.00	5305.00	11.78	11.78	0.52	150.31	1.37	150.32	126.75	6.38	
5400.00	5400.00	5405.00	5405.00	12.00	12.01	0.52	150.31	1.37	150.32	126.30	6.26	
5500.00	5500.00	5505.00	5505.00	12.23	12.23	0.52	150.31	1.37	150.32	125.85	6.14	
5600.00	5600.00	5605.00	5605.00	12.45	12.46	0.52	150.31	1.37	150.32	125.40	6.03	
5700.00	5700.00	5705.00	5705.00	12.68	12.68	0.52	150.31	1.37	150.32	124.95	5.93	
5800.00	5800.00	5805.00	5805.00	12.90	12.91	0.52	150.31	1.37	150.32	124.51	5.82	
5900.00	5900.00	5905.00	5905.00	13.13	13.13	0.52	150.31	1.37	150.32	124.06	5.72	
6000.00	6000.00	6005.00	6005.00	13.35	13.36	0.52	150.31	1.37	150.32	123.61	5.63	
6100.00	6100.00	6105.00	6105.00	13.58	13.58	0.52	150.31	1.37	150.32	123.16	5.53	
6200.00	6200.00	6205.00	6205.00	13.80	13.81	0.52	150.31	1.37	150.32	122.71	5.44	
6300.00	6300.00	6305.00	6305.00	14.03	14.03	0.52	150.31	1.37	150.32	122.26	5.36	
6400.00	6400.00	6405.00	6405.00	14.25	14.26	0.52	150.31	1.37	150.32	121.81	5.27	
6500.00	6500.00	6505.00	6505.00	14.48	14.48	0.52	150.31	1.37	150.32	121.36	5.19	
6542.04	6542.04	6547.04	6547.04	14.57	14.58	0.52	150.31	1.37	150.32	121.17	5.16	
6550.00	6550.00	6555.00	6555.00	14.59	14.59	271.03	150.31	1.37	150.32	121.13	5.15	
6600.00	6599.90	6604.90	6604.90	14.70	14.71	269.93	150.31	1.37	150.29	120.88	5.11	
6650.00	6649.36	6654.36	6654.36	14.81	14.82	267.23	150.31	1.37	150.47	120.84	5.08	
6700.00	6698.01	6703.01	6703.01	14.93	14.93	263.10	150.31	1.37	151.47	121.63	5.08	
6750.00	6745.46	6750.46	6750.46	15.04	15.03	257.86	150.31	1.37	154.22	124.18	5.13	
6800.00	6791.37	6796.37	6796.37	15.17	15.14	251.96	150.31	1.37	159.82	129.63	5.29	
6850.00	6835.38	6840.38	6840.38	15.31	15.23	245.96	150.31	1.37	169.35	139.09	5.60	
6900.00	6877.16	6882.16	6882.16	15.47	15.33	240.35	150.31	1.37	183.61	153.36	6.07	
6950.00	6916.39	6921.39	6921.39	15.67	15.42	235.50	150.31	1.37	203.00	172.83	6.73	
7000.00	6952.77	6957.77	6957.77	15.91	15.50	231.62	150.31	1.37	227.46	197.43	7.57	
7050.00	6986.03	6991.03	6991.03	16.20	15.57	228.81	150.31	1.37	256.66	226.75	8.58	
7100.00	7015.90	7020.90	7020.90	16.56	15.64	227.14	150.31	1.37	290.09	260.25	9.72	
7150.00	7042.17	7047.17	7047.17	17.00	15.70	226.66	150.31	1.37	327.21	297.30	10.94	
7200.00	7064.63	7069.63	7069.63	17.52	15.75	227.55	150.31	1.37	367.45	337.23	12.16	
7250.00	7083.12	7088.12	7088.12	18.12	15.79	230.12	150.31	1.37	410.27	379.40	13.29	
7300.00	7097.48	7102.48	7102.48	18.80	15.82	234.95	150.31	1.37	455.15	423.16	14.23	
7350.00	7107.62	7112.62	7112.62	19.56	15.85	243.01	150.31	1.37	501.61	467.94	14.90	
7400.00	7113.46	7118.46	7118.46	20.38	15.86	255.55	150.31	1.37	549.17	513.48	15.38	
7442.04	7115.00	7120.00	7120.00	21.12	15.86	270.00	150.31	1.37	589.69	552.71	15.95	
7500.00	7115.00	7120.00	7120.00	22.18	15.86	270.00	150.31	1.37	645.90	607.85	16.98	
7600.00	7115.00	7120.00	7120.00	24.16	15.86	270.00	150.31	1.37	743.52	703.50	18.58	



Weatherford Anticollision Report



Company: Devon Energy Date: 10/18/2012 Time: 13 04:05 Page: 3
Field: Eddy Co., NM (NAD 83)
Reference Site: Diamond PWU 22 #5H Co-ordinate(N/E) Reference: Well: Diamond PWU 22 #5H, Gnd North
Reference Well: Diamond PWU 22 #5H Vertical (TVD) Reference: SITE 3351 0
Reference Wellpath: Db: Sybase

Site: Diamond PWU 22 #1H
Well: Diamond PWU 22 #1H
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		
7700.00	7115.00	8496.39	7933.67	26.28	26.99	191.81	177.52	813.13	831.41	809.37	37.72	
7800.00	7115.00	8596.35	7935.15	28.50	29.11	191.95	180.86	913.02	833.37	810.13	35.87	
7900.00	7115.00	8696.31	7936.63	30.82	31.32	192.09	184.21	1012.91	835.32	810.80	34.06	
8000.00	7115.00	8796.27	7938.11	33.20	33.61	192.23	187.56	1112.80	837.28	811.39	32.33	
8100.00	7115.00	8896.23	7939.59	35.63	35.96	192.37	190.91	1212.70	839.25	811.90	30.69	
8200.00	7115.00	8996.19	7941.08	38.10	38.37	192.51	194.25	1312.59	841.22	812.35	29.14	
8300.00	7115.00	9096.14	7942.56	40.62	40.82	192.65	197.60	1412.48	843.20	812.74	27.69	
8400.00	7115.00	9196.10	7944.04	43.16	43.30	192.79	200.95	1512.37	845.18	813.09	26.34	
8500.00	7115.00	9296.06	7945.52	45.73	45.82	192.93	204.30	1612.26	847.17	813.39	25.08	
8600.00	7115.00	9396.02	7947.00	48.31	48.36	193.07	207.65	1712.16	849.16	813.64	23.91	
8700.00	7115.00	9495.98	7948.48	50.92	50.92	193.21	210.99	1812.05	851.15	813.86	22.83	
8800.00	7115.00	9595.94	7949.96	53.54	53.50	193.34	214.34	1911.94	853.15	814.05	21.82	
8900.00	7115.00	9695.90	7951.44	56.17	56.09	193.48	217.69	2011.83	855.16	814.21	20.88	
9000.00	7115.00	9795.86	7952.92	58.81	58.70	193.61	221.04	2111.73	857.17	814.34	20.01	
9100.00	7115.00	9895.82	7954.40	61.46	61.32	193.75	224.39	2211.62	859.19	814.44	19.20	
9200.00	7115.00	9995.78	7955.88	64.13	63.95	193.88	227.73	2311.51	861.21	814.51	18.44	
9300.00	7115.00	10095.74	7957.36	66.80	66.59	194.02	231.08	2411.40	863.23	814.57	17.74	
9400.00	7115.00	10195.70	7958.84	69.47	69.24	194.15	234.43	2511.30	865.26	814.60	17.08	
9500.00	7115.00	10295.66	7960.32	72.15	71.89	194.28	237.78	2611.19	867.30	814.61	16.46	
9600.00	7115.00	10395.62	7961.80	74.84	74.55	194.41	241.12	2711.08	869.34	814.60	15.88	
9700.00	7115.00	10495.58	7963.28	77.53	77.22	194.54	244.47	2810.97	871.38	814.57	15.34	
9800.00	7115.00	10595.54	7964.77	80.23	79.89	194.67	247.82	2910.86	873.43	814.52	14.83	
9900.00	7115.00	10695.49	7966.25	82.92	82.57	194.80	251.17	3010.76	875.48	814.46	14.35	
10000.00	7115.00	10795.45	7967.73	85.63	85.25	194.93	254.52	3110.65	877.54	814.37	13.89	
10100.00	7115.00	10895.41	7969.21	88.33	87.94	195.06	257.86	3210.54	879.60	814.27	13.47	
10200.00	7115.00	10995.37	7970.69	91.04	90.63	195.19	261.21	3310.43	881.66	814.16	13.06	
10300.00	7115.00	11095.33	7972.17	93.75	93.32	195.31	264.56	3410.33	883.73	814.03	12.68	
10400.00	7115.00	11195.29	7973.65	96.47	96.02	195.44	267.91	3510.22	885.81	813.88	12.32	
10500.00	7115.00	11295.25	7975.13	99.18	98.72	195.57	271.26	3610.11	887.89	813.72	11.97	
10600.00	7115.00	11395.21	7976.61	101.90	101.42	195.69	274.60	3710.00	889.97	813.55	11.65	
10700.00	7115.00	11495.17	7978.09	104.62	104.12	195.82	277.95	3809.90	892.06	813.36	11.33	
10800.00	7115.00	11595.13	7979.57	107.34	106.82	195.94	281.30	3909.79	894.15	813.15	11.04	
10900.00	7115.00	11695.09	7981.05	110.07	109.53	196.07	284.65	4009.68	896.24	812.93	10.76	
11000.00	7115.00	11795.05	7982.53	112.79	112.24	196.19	287.99	4109.57	898.34	812.70	10.49	
11100.00	7115.00	11895.01	7984.01	115.52	114.95	196.31	291.34	4209.46	900.45	812.46	10.23	
11200.00	7115.00	11994.97	7985.49	118.24	117.66	196.43	294.69	4309.36	902.55	812.20	9.99	
11300.00	7115.00	12094.93	7986.97	120.97	120.38	196.55	298.04	4409.25	904.67	811.93	9.76	
11400.00	7115.00	12194.89	7988.45	123.70	123.09	196.67	301.39	4509.14	906.78	811.65	9.53	
11485.60	7115.00	12280.45	7989.72	126.04	125.42	196.78	304.25	4594.65	908.60	811.40	9.35	

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

GeoDec v5.03

Report Date: October 18, 2012

Job Number: _____

Customer: Devon Energy

Well Name: Diamon PWU 22 #5H

API Number: _____

Rig Name: _____

Location: Eddy Co., NM

Block: _____

Engineer: RWJ

US State Plane 1983

System: New Mexico Eastern Zone

Projection: Transverse Mercator/Gauss Kruger

Datum: North American Datum 1983

Ellipsoid: GRS 1980

North/South 600861.780 USFT

East/West 622344.150 USFT

Grid Convergence: -14° Total Correction: $+7.43^{\circ}$

Geodetic Latitude / Longitude

System: Latitude / Longitude

Projection: Geodetic Latitude and Longitude

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Latitude 32.6515405° DEGLongitude -104.0701337° DEG

Geodetic Location WGS84

Elevation = 0.0 Meters

Latitude = 32.65154° N 32° 39 min 5.546 secLongitude = 104.07013° W 104° 4 min 12.481 secMagnetic Declination = 7.57° [True North Offset]

Local Gravity = .9988 g CheckSum = 6590

Local Field Strength = 48615 nT Magnetic Vector X = 23773 nT

Magnetic Dip = 60.44° Magnetic Vector Y = 3161 nT

Magnetic Model = IGRF-2010g11 Magnetic Vector Z = 42288 nT

Spud Date = Sep 15, 2013 Magnetic Vector H = 23983 nT

Signed: _____

Date: _____