



Weatherford®

Evaluation, Drilling & Intervention
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Devon Energy
20 North Broadway
Oklahoma City, OK, 73102

Date: November 15, 2011

30-015-38475

Attention: Johnathan Ashcraft

Re: Devon Energy
Well: Diamond PWU 22-2H
Eddy County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
John Self	2H	7330' MD	10/25/2011	Measurement
MWD Supervisor		12421' MD	11/11/2011	While Drilling

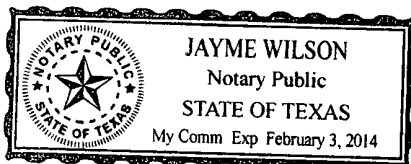
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.



Jesse Aguilar
Area Manager

On this, the 15th day of November, 2011, before me a notary public, the undersigned officer, personally appeared Jesse Aguilar, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.


Notary Public

devon

Diamond PWU 22 2H
Eddy Co., NM

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	11559.00	90.17	87.27	7994.89	-16.69	3780.63	0.00	0.00	3780.67	
2	11677.20	88.99	90.61	7995.76	-14.50	3898.79	3.00	109.49	3898.81	
3	12482.67	88.99	90.61	8010.00	-23.12	4704.08	0.00	0.00	4704.14	PBHL

WELL DETAILS

Name+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
2H	0.00	0.00	599787.40	622258.59	32°38'54.905N	104°04'13.528W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Actual BHL	8020.73	4.56	4702.51	599791.96	626961.10	32°38'54.831N	104°03'18.526W	Rectangle (420x30)



Azimuths to Grid North
True North -0.14°
Magnetic North: 7.66°

Magnetic Field
Strength: 48806nT
Dip Angle: 60.48°
Date 10/25/2011
Model IGRF2010

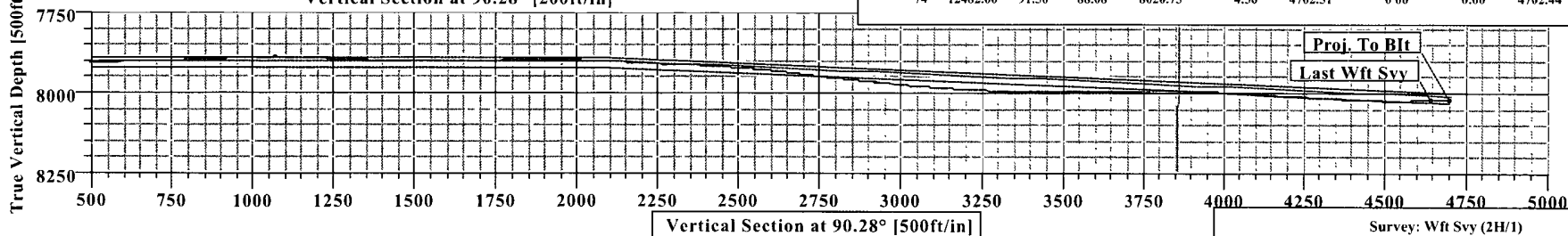
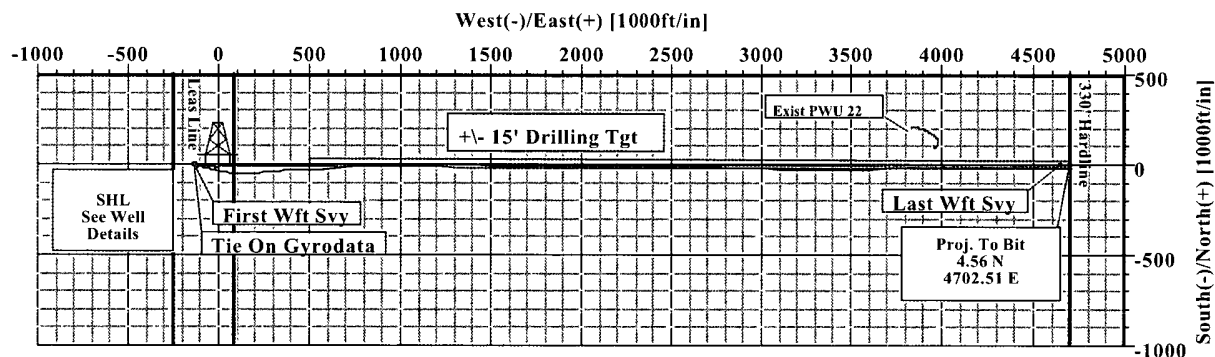
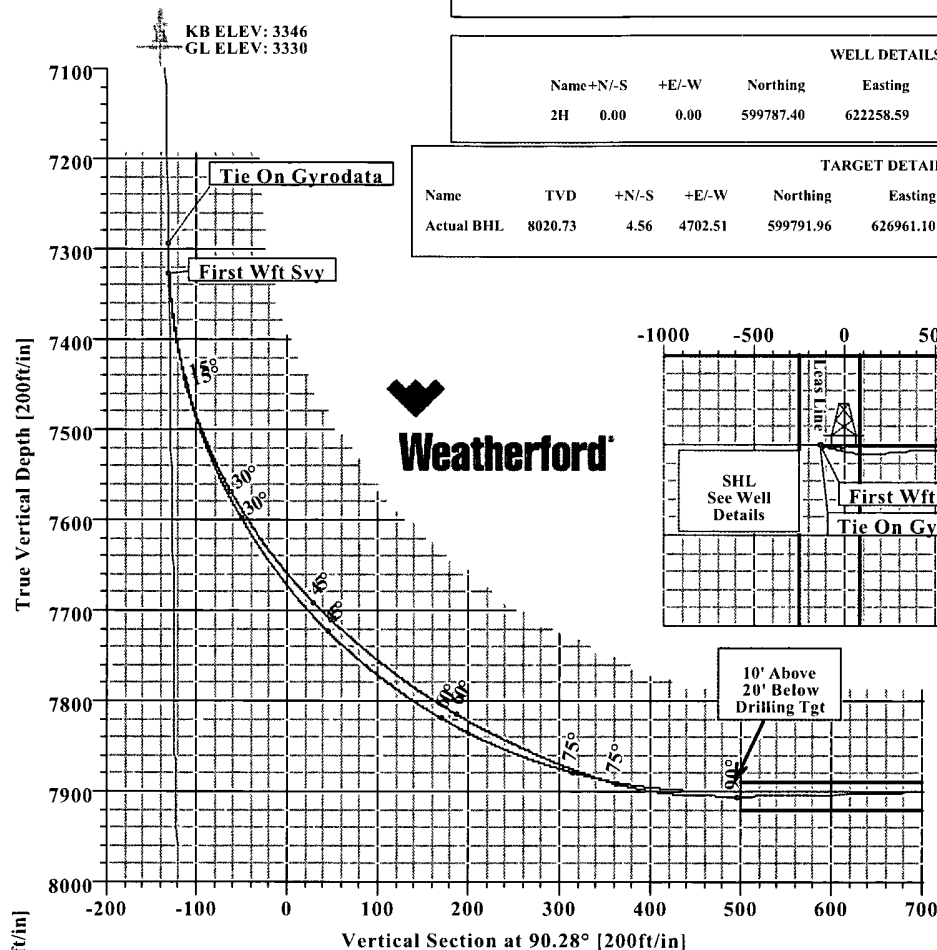
Total Correction to Grid North: 7.66°

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,Plan #8
- 2H,1,Gyro
- Exist PWU 22 (1)
- 1
- Wft Svy

SITE DETAILS

Diamond PWU 22 2H

Site Centre Northing: 599787.40
Easting: 622258.59

Ground Level: 3330.00
Positional Uncertainty: 0.00
Convergence: 0.14

Survey: Wft Svy (2H/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
74	12482.00	91.50	88.08	8020.73	4.56	4702.51	0.00	0.00	4702.44

Survey: Wft Svy (2H/1)

Created By: Russell W. Joyner

Date: 11/11/2011



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy Date: 11/11/2011 Time: 07.12.17 Page: 1
Field: Eddy Co , NM (NAD 83) Co-ordinate(NE) Reference: Well: 2H, Grid North
Site: Diamond PWU 22-2H Vertical (TVD) Reference: SITE 3346.0
Well: 2H Section (VS) Reference: Well (0 00N,0 00E,90.28Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Wft Svy

Start Date:

10/31/2011

Company: Weatherford International Ltd

Engineer:

Russell W Joyner

Tool: MWD,MWD - Standard

Tied-to:

User Defined

Field: Eddy Co , NM (NAD 83)

Map System:US State Plane Coordinate System 1983

Map Zone:

New Mexico, Eastern Zone

Geo Datum: GRS 1980

Coordinate System:

Well Centre

Sys Datum: Mean Sea Level

Geomagnetic Model:

IGRF2010

Site: Diamond PWU 22 2H

Site Position: Northing: 599787 40 ft Latitude: 32 38 54 905 N
From: Map Easting: 622258 59 ft Longitude: 104 4 13 528 W
Position Uncertainty: 0 00 ft North Reference: Grid
Ground Level: 3330 00 ft Grid Convergence: 0.14 deg

Well: 2H

Slot Name:

Well Position: +N/-S 0 00 ft Northing: 599787.40 ft Latitude: 32 38 54.905 N
+E/-W 0 00 ft Easting : 622258.59 ft Longitude: 104 4 13.528 W
Position Uncertainty: 0 00 ft

Wellpath: 1

Drilled From:

Surface

Current Datum: SITE

Height 3346.00 ft

Tie-on Depth:

0 00 ft

Magnetic Data: 10/25/2011

Above System Datum:

Mean Sea Level

Field Strength: 48806 nT

Declination:

7 80 deg

Vertical Section: Depth From (TVD)

+N/-S

Mag Dip Angle:

60 48 deg

ft

ft

+E/-W

Direction

0.00

0.00

ft

deg

0.00

90 28

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
7297 20	1 31	136 53	7294 69	-2 76	-131 48	0.00	-131 46	599784.64	622127 11	Tie On Gyrodats
7330 00	3 32	105.39	7327 46	-3 28	-130 31	7.01	-130.29	599784.12	622128 28	First Wft Svy
7408 00	11.10	111 98	7404 79	-6 70	-121 15	10 01	-121 12	599780.70	622137.44	
7440 00	14 19	104 65	7436 01	-8 84	-114 50	10 86	-114.45	599778.56	622144 09	
7472 00	17.46	106 78	7466.79	-11 22	-106 11	10.38	-106.05	599776 18	622152 48	
7503 00	21 76	106 37	7495 99	-14 19	-96 13	13 88	-96.06	599773.21	622162 46	
7535.00	24.84	106.01	7525.37	-17.71	-83 98	9.64	-83 89	599769.69	622174.61	
7567 00	28 10	105.81	7554 02	-21.62	-70 26	10 19	-70 16	599765 78	622188 33	
7598 00	31 51	105.80	7580 91	-25.82	-55 44	11.00	-55 31	599761.58	622203.15	
7630 00	34 04	105 48	7607 82	-30.49	-38 76	7 92	-38 61	599756.91	622219.83	
7662 00	37 41	103 20	7633 79	-35 10	-20.66	11.32	-20 49	599752 30	622237 93	
7693 00	40 66	101 97	7657 87	-39 34	-1 61	10.78	-1.41	599748 06	622256.98	
7725 00	43 42	99 77	7681 63	-43.37	19.44	9.78	19 65	599744 03	622278.03	
7757 00	46 72	97 18	7704 23	-46 70	41.84	11.80	42 07	599740.70	622300.43	
7789 00	48 14	95 46	7725 88	-49 29	65.26	5.95	65 50	599738 11	622323.85	
7820 00	49.97	93.25	7746 19	-51 06	88.60	7.99	88 85	599736.34	622347.19	
7852 00	52 50	90 87	7766 23	-51 94	113.53	9.80	113 79	599735 46	622372.12	
7884 00	55 34	88 83	7785 08	-51 87	139.39	10.26	139 64	599735 53	622397.98	
7915.00	57.95	87 23	7802 12	-50 97	165.27	9 46	165.51	599736 43	622423 86	
7947.00	60 58	86.14	7818 47	-49 38	192.72	8 72	192.96	599738 02	622451.31	
7979 00	63.09	84 94	7833 58	-47 18	220.84	8 51	221 07	599740 22	622479 43	
8010 00	64 64	82.93	7847 23	-44 24	248.52	7 67	248 73	599743 16	622507 11	
8042.00	66.26	82 96	7860 53	-40 66	277.40	5.06	277 60	599746.74	622535.99	
8074 00	68.61	86.46	7872.81	-37.95	306 82	12 49	307.00	599749.45	622565 41	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Diamond PWU 22 2H
Well: 2H
Wellpath: 1

Date: 11/11/2011 Time: 07:12.17 Page: 2
Co-ordinate(NE) Reference: Well: 2H, Grid North
Vertical (TVD) Reference: SITE 3346.0
Section (VS) Reference: Well (0.00N,0.00E,90.28Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8106.00	71.14	88.80	7883.82	-36.71	336.83	10.47	337.01	599750.69	622595.42	
8138.00	75.61	89.87	7892.97	-36.36	367.49	14.33	367.66	599751.04	622626.08	
8169.00	80.33	88.94	7899.43	-36.04	397.79	15.51	397.97	599751.36	622656.38	
8201.00	84.92	88.55	7903.54	-35.35	429.51	14.39	429.68	599752.05	622688.10	
8229.00	89.06	87.41	7905.01	-34.36	457.45	15.33	457.61	599753.04	622716.04	
8324.00	91.43	85.65	7904.60	-28.61	552.27	3.11	552.40	599758.79	622810.86	
8419.00	91.78	85.59	7901.94	-21.36	646.95	0.37	647.05	599766.04	622905.54	
8514.00	91.09	86.94	7899.56	-15.17	741.72	1.60	741.78	599772.23	623000.31	
8609.00	92.27	87.03	7896.78	-10.18	836.54	1.25	836.58	599777.22	623095.13	
8704.00	92.98	86.45	7892.43	-4.78	931.29	0.96	931.30	599782.62	623189.88	
8799.00	91.64	87.95	7888.60	-0.15	1026.09	2.12	1026.08	599787.25	623284.68	
8895.00	87.80	89.97	7889.07	1.60	1122.05	4.52	1122.03	599789.00	623380.64	
8971.00	87.60	90.26	7892.12	1.44	1197.99	0.46	1197.97	599788.84	623456.58	
9065.00	87.72	90.80	7895.95	0.58	1291.91	0.59	1291.89	599787.98	623550.50	
9180.00	88.01	93.14	7900.24	-3.37	1406.75	2.05	1406.75	599784.03	623665.34	
9275.00	90.31	92.11	7901.63	-7.72	1501.64	2.65	1501.66	599779.68	623760.23	
9370.00	90.52	91.17	7900.94	-10.44	1596.59	1.01	1596.63	599776.96	623855.18	
9465.00	91.22	90.75	7899.50	-12.03	1691.57	0.86	1691.61	599775.37	623950.16	
9561.00	90.17	91.10	7898.34	-13.58	1787.55	1.15	1787.59	599773.82	624046.14	
9655.00	90.77	90.46	7897.57	-14.86	1881.53	0.93	1881.58	599772.54	624140.12	
9751.00	88.99	89.56	7897.77	-14.88	1977.53	2.08	1977.58	599772.52	624236.12	
9846.00	87.87	88.71	7900.37	-13.45	2072.48	1.48	2072.52	599773.95	624331.07	
9941.00	87.10	88.56	7904.54	-11.19	2167.36	0.83	2167.39	599776.21	624425.95	
10036.00	87.51	89.00	7909.01	-9.17	2262.23	0.63	2262.25	599778.23	624520.82	
10131.00	87.73	89.80	7912.95	-8.17	2357.15	0.87	2357.16	599779.23	624615.74	
10216.00	86.54	90.75	7917.20	-8.58	2442.04	1.79	2442.05	599778.82	624700.63	
10312.00	85.55	92.96	7923.82	-11.68	2537.75	2.52	2537.78	599775.72	624796.34	
10413.00	82.74	90.90	7934.12	-15.07	2638.15	3.44	2638.19	599772.33	624896.74	
10502.00	83.29	89.45	7944.95	-15.34	2726.49	1.73	2726.53	599772.06	624985.08	
10604.00	83.79	93.56	7956.43	-18.00	2827.78	4.03	2827.84	599769.40	625086.37	
10697.00	84.22	91.49	7966.14	-22.07	2920.18	2.26	2920.25	599765.33	625178.77	
10798.00	84.57	91.21	7976.01	-24.44	3020.67	0.44	3020.75	599762.96	625279.26	
10892.00	85.83	90.97	7983.87	-26.22	3114.32	1.36	3114.41	599761.18	625372.91	
10988.00	87.31	91.19	7989.62	-28.03	3210.13	1.56	3210.23	599759.37	625468.72	
11083.00	88.36	91.66	7993.21	-30.39	3305.03	1.21	3305.14	599757.01	625563.62	
11179.00	89.41	89.81	7995.07	-31.62	3401.00	2.22	3401.11	599755.78	625659.59	
11274.00	89.76	88.80	7995.76	-30.47	3495.99	1.13	3496.09	599756.93	625754.58	
11369.00	89.90	87.25	7996.04	-27.19	3590.93	1.64	3591.02	599760.21	625849.52	
11464.00	90.66	86.40	7995.58	-21.93	3685.78	1.20	3685.84	599765.47	625944.37	
11559.00	90.17	87.27	7994.89	-16.69	3780.63	1.05	3780.67	599770.71	626039.22	
11654.00	90.11	88.73	7994.66	-13.37	3875.57	1.54	3875.59	599774.03	626134.16	
11747.00	87.30	88.00	7996.76	-10.72	3968.50	3.12	3968.50	599776.68	626227.09	
11844.00	86.81	89.56	8001.75	-8.66	4065.34	1.68	4065.34	599778.74	626323.93	
11940.00	86.74	90.36	8007.15	-8.59	4161.19	0.84	4161.18	599778.81	626419.78	
12035.00	86.88	89.80	8012.43	-8.72	4256.04	0.61	4256.03	599778.68	626514.63	
12131.00	87.23	89.15	8017.36	-7.84	4351.91	0.77	4351.90	599779.56	626610.50	
12226.00	87.38	87.24	8021.83	-4.86	4446.75	2.01	4446.73	599782.54	626705.34	
12322.00	90.24	88.00	8023.83	-0.87	4542.64	3.08	4542.59	599786.53	626801.23	
12421.00	91.50	88.08	8022.32	2.52	4641.57	1.28	4641.50	599789.92	626900.16	Last Wft Svy
12482.00	91.50	88.08	8020.73	4.56	4702.51	0.00	4702.44	599791.96	626961.10	Proj. To Bit



Weatherford International Ltd.
WFT Survey Report X & Y's



Company: Devon Energy	Date: 11/11/2011	Time: 07:12 17	Page: 3
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: 2H, Grid North		
Site: Diamond PWU 22 2H	Vertical (TVD) Reference: SITE 3346.0		
Well: 2H	Section (VS) Reference: Well (0.00N,0.00E,90.28Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Annotation

MD ft	TVD ft	
7297.20	7294.69	Tie On Gyrodata
7330 00	7327.46	First Wft Svy
12421 00	8022.32	Last Wft Svy
12482 00	8020.73	Proj. To Blt