



Weatherford®

Drilling Services

Proposal



devon

NORTH PURE GOLD 8 FEDERAL #14H

EDDY COUNTY, NM

WELL FILE: PLAN 2

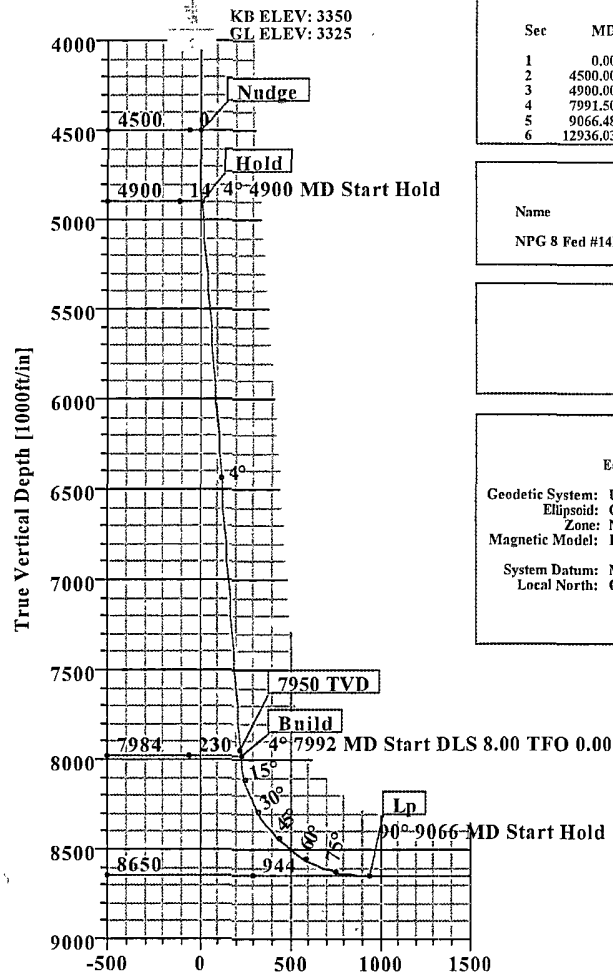
AUGUST 20, 2010

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devon

North Pure Gold 8 FED #14H Eddy Co., NM



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	4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	
3	4900.00	4.00	0.23	4899.68	13.96	0.06	1.00	0.23	13.96	
4	7991.50	4.00	0.23	7983.64	229.61	0.92	0.00	0.00	229.61	
5	9066.48	90.00	0.23	8649.88	944.03	3.82	8.00	0.00	944.04	
6	12936.03	90.00	0.23	8650.00	4813.56	19.52	0.00	0.00	4813.60	Pbhl

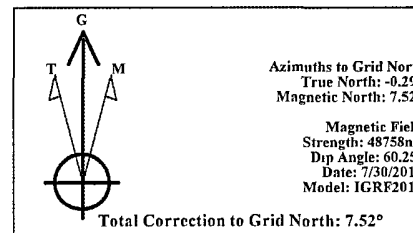
WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
NPG 8 Fed #14H	0.00	0.00	477709.43	707081.45	32°18'43.751N	103°47'48.614W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl	8650.00	4813.56	19.52	482522.98	707100.97	Point

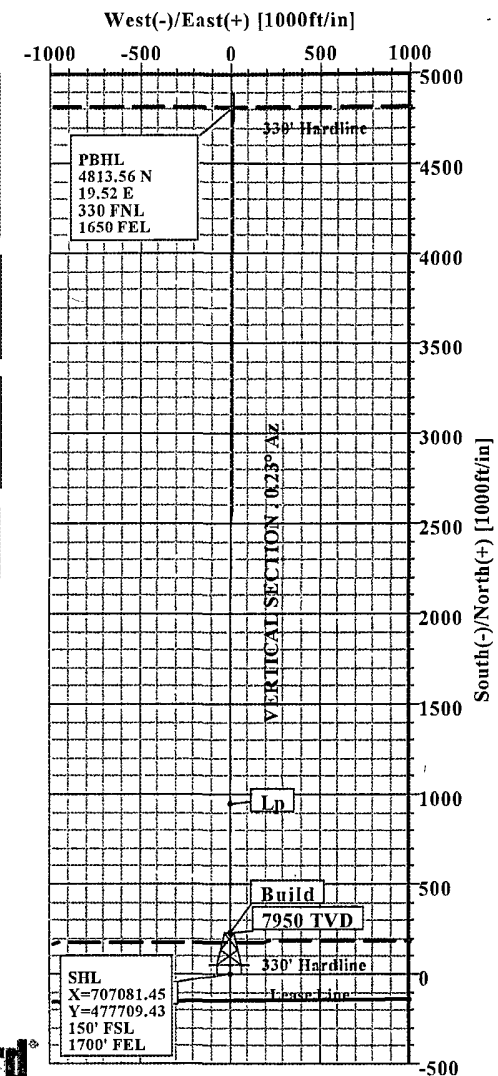
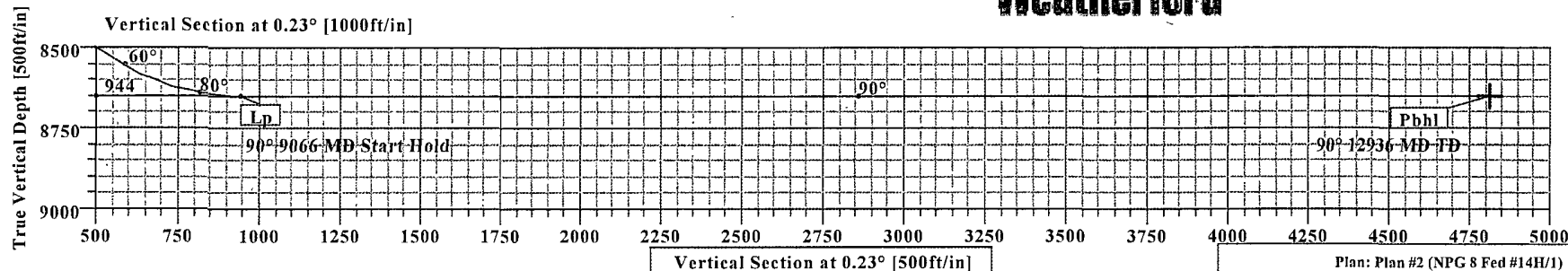
FIELD DETAILS
Eddy Co., NM (NAD 83)

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



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Plan: Plan #2 (NPG 8 Fed #14H/1)

Created By: Russell W. Joyner

Date: 8/20/2010



Weatherford International Ltd.

WFT Plan Report - X & Y's



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: North Pure Gold 8 Federal #14H
Well: NPG 8 Fed #14H
Wellpath: 1

Date: 8/20/2010
Co-ordinate(NE) Reference: Well: NPG 8 Fed #14H, Grid North
Vertical (TVD) Reference: SITE 3350 0
Section (VS) Reference: Well (0.00N,0.00E,0.23Azi)
Survey Calculation Method: Minimum Curvature

Time: 07:18:07
Page: 1
Db: Sybase

Plan: Plan #2
Principal: Yes

Date Composed: 8/20/2010
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: North Pure Gold 8 Federal #14H

Site Position: Northing: 477709.43 ft Latitude: 32 18 43.751 N
From: Map Easting: 707081.45 ft Longitude: 103 47 48.614 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3325.00 ft Grid Convergence: 0.29 deg

Well: NPG 8 Fed #14H

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 477709.43 ft Latitude: 32 18 43.751 N
+E/-W 0.00 ft Easting: 707081.45 ft Longitude: 103 47 48.614 W
Position Uncertainty: 0.00 ft

Wellpath: 1

Current Datum: SITE
Magnetic Data: 7/30/2010
Field Strength: 48758 nT
Vertical Section: Depth From (TVD) ft
Height 3350.00 ft
+N/-S ft
Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 7.80 deg
Mag Dip Angle: 60.25 deg
+E/-W ft
Direction deg
0.00 0.00 0.00 0.23

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	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4900.00	4.00	0.23	4899.68	13.96	0.06	1.00	1.00	0.00	0.23	
7991.50	4.00	0.23	7983.64	229.61	0.92	0.00	0.00	0.00	0.00	
9066.48	90.00	0.23	8649.88	944.03	3.82	8.00	8.00	0.00	0.00	
12936.03	90.00	0.23	8650.00	4813.56	19.52	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	Comment
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	477709.43	707081.45	Nudge
4600.00	1.00	0.23	4599.99	0.87	0.00	0.87	1.00	477710.30	707081.45	
4700.00	2.00	0.23	4699.96	3.49	0.01	3.49	1.00	477712.92	707081.47	
4800.00	3.00	0.23	4799.86	7.85	0.03	7.85	1.00	477717.28	707081.48	
4900.00	4.00	0.23	4899.68	13.96	0.06	13.96	1.00	477723.38	707081.51	Hold
5000.00	4.00	0.23	4999.43	20.93	0.08	20.93	0.00	477730.36	707081.54	
5100.00	4.00	0.23	5099.19	27.91	0.11	27.91	0.00	477737.33	707081.56	
5200.00	4.00	0.23	5198.94	34.88	0.14	34.88	0.00	477744.31	707081.59	
5300.00	4.00	0.23	5298.70	41.86	0.17	41.86	0.00	477751.29	707081.62	
5400.00	4.00	0.23	5398.46	48.83	0.20	48.84	0.00	477758.26	707081.65	
5500.00	4.00	0.23	5498.21	55.81	0.22	55.81	0.00	477765.24	707081.68	
5600.00	4.00	0.23	5597.97	62.79	0.25	62.79	0.00	477772.21	707081.70	
5700.00	4.00	0.23	5697.73	69.76	0.28	69.76	0.00	477779.19	707081.73	
5800.00	4.00	0.23	5797.48	76.74	0.31	76.74	0.00	477786.16	707081.76	
5900.00	4.00	0.23	5897.24	83.71	0.34	83.71	0.00	477793.14	707081.79	



Company: Devon Energy	Date: 8/20/2010	Time: 07:18:07	Page: 2
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: NPG 8 Fed #14H; Grid North		
Site: North Pure Gold 8 Federal #14H	Vertical (TVD) Reference: SITE 3350.0		
Well: NPG 8 Fed #14H	Section (VS) Reference: Well (0.00N,0.00E,0.23Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
6000.00	4.00	0.23	5997.00	90.69	0.36	90.69	0.00	477800.11	707081.82	
6100.00	4.00	0.23	6096.75	97.66	0.39	97.66	0.00	477807.09	707081.84	
6200.00	4.00	0.23	6196.51	104.64	0.42	104.64	0.00	477814.07	707081.87	
6300.00	4.00	0.23	6296.26	111.62	0.45	111.62	0.00	477821.04	707081.90	
6400.00	4.00	0.23	6396.02	118.59	0.48	118.59	0.00	477828.02	707081.93	
6500.00	4.00	0.23	6495.78	125.57	0.50	125.57	0.00	477834.99	707081.96	
6600.00	4.00	0.23	6595.53	132.54	0.53	132.54	0.00	477841.97	707081.98	
6700.00	4.00	0.23	6695.29	139.52	0.56	139.52	0.00	477848.94	707082.01	
6800.00	4.00	0.23	6795.05	146.49	0.59	146.49	0.00	477855.92	707082.04	
6900.00	4.00	0.23	6894.80	153.47	0.62	153.47	0.00	477862.89	707082.07	
7000.00	4.00	0.23	6994.56	160.44	0.64	160.45	0.00	477869.87	707082.10	
7100.00	4.00	0.23	7094.32	167.42	0.67	167.42	0.00	477876.85	707082.12	
7200.00	4.00	0.23	7194.07	174.40	0.70	174.40	0.00	477883.82	707082.15	
7300.00	4.00	0.23	7293.83	181.37	0.73	181.37	0.00	477890.80	707082.18	
7400.00	4.00	0.23	7393.59	188.35	0.76	188.35	0.00	477897.77	707082.21	
7500.00	4.00	0.23	7493.34	195.32	0.78	195.32	0.00	477904.75	707082.24	
7600.00	4.00	0.23	7593.10	202.30	0.81	202.30	0.00	477911.72	707082.26	
7700.00	4.00	0.23	7692.85	209.27	0.84	209.28	0.00	477918.70	707082.29	
7800.00	4.00	0.23	7792.61	216.25	0.87	216.25	0.00	477925.67	707082.32	
7900.00	4.00	0.23	7892.37	223.22	0.90	223.23	0.00	477932.65	707082.35	
7957.77	4.00	0.23	7950.00	227.25	0.91	227.26	0.00	477936.68	707082.36	7950 TVD
7991.50	4.00	0.23	7983.64	229.61	0.92	229.61	0.00	477939.03	707082.37	Build
8000.00	4.68	0.23	7992.12	230.25	0.92	230.25	8.00	477939.68	707082.38	
8100.00	12.68	0.23	8090.89	245.33	0.99	245.33	8.00	477954.76	707082.44	
8200.00	20.68	0.23	8186.61	274.01	1.10	274.01	8.00	477983.43	707082.55	
8300.00	28.68	0.23	8277.40	315.73	1.27	315.73	8.00	478025.16	707082.72	
8400.00	36.68	0.23	8361.50	369.68	1.49	369.68	8.00	478079.11	707082.94	
8500.00	44.68	0.23	8437.28	434.81	1.75	434.81	8.00	478144.24	707083.20	
8600.00	52.68	0.23	8503.25	509.85	2.06	509.86	8.00	478219.28	707083.51	
8700.00	60.68	0.23	8558.14	593.34	2.40	593.35	8.00	478302.77	707083.85	
8800.00	68.68	0.23	8600.87	683.66	2.76	683.67	8.00	478393.09	707084.21	
8900.00	76.68	0.23	8630.62	779.05	3.15	779.06	8.00	478488.48	707084.60	
9000.00	84.68	0.23	8646.80	877.65	3.55	877.66	8.00	478587.08	707085.00	
9066.48	90.00	0.23	8649.88	944.03	3.82	944.04	8.00	478653.46	707085.27	Lp
9100.00	90.00	0.23	8649.88	977.55	3.95	977.56	0.00	478686.98	707085.41	
9200.00	90.00	0.23	8649.89	1077.55	4.36	1077.56	0.00	478786.98	707085.81	
9300.00	90.00	0.23	8649.89	1177.55	4.77	1177.56	0.00	478886.98	707086.22	
9400.00	90.00	0.23	8649.89	1277.55	5.17	1277.56	0.00	478986.98	707086.62	
9500.00	90.00	0.23	8649.90	1377.55	5.58	1377.56	0.00	479086.98	707087.03	
9600.00	90.00	0.23	8649.90	1477.55	5.98	1477.56	0.00	479186.98	707087.43	
9700.00	90.00	0.23	8649.90	1577.55	6.39	1577.56	0.00	479286.97	707087.84	
9800.00	90.00	0.23	8649.90	1677.55	6.79	1677.56	0.00	479386.97	707088.25	
9900.00	90.00	0.23	8649.91	1777.55	7.20	1777.56	0.00	479486.97	707088.65	
10000.00	90.00	0.23	8649.91	1877.55	7.61	1877.56	0.00	479586.97	707089.06	
10100.00	90.00	0.23	8649.91	1977.55	8.01	1977.56	0.00	479686.97	707089.46	
10200.00	90.00	0.23	8649.92	2077.54	8.42	2077.56	0.00	479786.97	707089.87	
10300.00	90.00	0.23	8649.92	2177.54	8.82	2177.56	0.00	479886.97	707090.27	
10400.00	90.00	0.23	8649.92	2277.54	9.23	2277.56	0.00	479986.97	707090.68	
10500.00	90.00	0.23	8649.93	2377.54	9.63	2377.56	0.00	480086.97	707091.09	
10600.00	90.00	0.23	8649.93	2477.54	10.04	2477.56	0.00	480186.97	707091.49	
10700.00	90.00	0.23	8649.93	2577.54	10.45	2577.56	0.00	480286.97	707091.90	
10800.00	90.00	0.23	8649.94	2677.54	10.85	2677.56	0.00	480386.97	707092.30	
10900.00	90.00	0.23	8649.94	2777.54	11.26	2777.56	0.00	480486.96	707092.71	



Company: Devon Energy
 Field: Eddy Co., NM (NAD 83)
 Site: North Pure Gold 8 Federal #14H
 Well: NPG 8 Fed #14H
 Wellpath: 1

Date: 8/20/2010 Time: 07:18:07 Page: 3
 Co-ordinate(NE) Reference: Well: NPG 8 Fed #14H, Grid North
 Vertical (TVD) Reference: SITE 3350.0
 Section (VS) Reference: Well (0.00N,0.00E,0.23Azi)
 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
11000.00	90.00	0.23	8649.94	2877.54	11.66	2877.56	0.00	480586.96	707093.11	
11100.00	90.00	0.23	8649.94	2977.54	12.07	2977.56	0.00	480686.96	707093.52	
11200.00	90.00	0.23	8649.95	3077.54	12.48	3077.56	0.00	480786.96	707093.93	
11300.00	90.00	0.23	8649.95	3177.54	12.88	3177.56	0.00	480886.96	707094.33	
11400.00	90.00	0.23	8649.95	3277.53	13.29	3277.56	0.00	480986.96	707094.74	
11500.00	90.00	0.23	8649.96	3377.53	13.69	3377.56	0.00	481086.96	707095.14	
11600.00	90.00	0.23	8649.96	3477.53	14.10	3477.56	0.00	481186.96	707095.55	
11700.00	90.00	0.23	8649.96	3577.53	14.50	3577.56	0.00	481286.96	707095.95	
11800.00	90.00	0.23	8649.97	3677.53	14.91	3677.56	0.00	481386.96	707096.36	
11900.00	90.00	0.23	8649.97	3777.53	15.32	3777.56	0.00	481486.96	707096.77	
12000.00	90.00	0.23	8649.97	3877.53	15.72	3877.56	0.00	481586.96	707097.17	
12100.00	90.00	0.23	8649.97	3977.53	16.13	3977.56	0.00	481686.96	707097.58	
12200.00	90.00	0.23	8649.98	4077.53	16.53	4077.56	0.00	481786.95	707097.98	
12300.00	90.00	0.23	8649.98	4177.53	16.94	4177.56	0.00	481886.95	707098.39	
12400.00	90.00	0.23	8649.98	4277.53	17.34	4277.56	0.00	481986.95	707098.80	
12500.00	90.00	0.23	8649.99	4377.53	17.75	4377.56	0.00	482086.95	707099.20	
12600.00	90.00	0.23	8649.99	4477.52	18.16	4477.56	0.00	482186.95	707099.61	
12700.00	90.00	0.23	8649.99	4577.52	18.56	4577.56	0.00	482286.95	707100.01	
12800.00	90.00	0.23	8650.00	4677.52	18.97	4677.56	0.00	482386.95	707100.42	
12900.00	90.00	0.23	8650.00	4777.52	19.37	4777.56	0.00	482486.95	707100.82	
12936.03	90.00	0.23	8650.00	4813.56	19.52	4813.60	0.00	482522.98	707100.97	Pbhl

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg. Min Sec	<--- Longitude ---> Deg. Min Sec
Pbhl			8650.00	4813.56	19.52	482522.98	707100.97	32 19 31.383 N	103 47 48.106 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
4500.00	4500.00	Nudge
4900.00	4899.68	Hold
7957.77	7950.00	7950 TVD
7991.50	7983.64	Build
9066.48	8649.88	Lp
12936.03	8650.00	Pbhl

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

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

GeoDec v5.03

Report Date: April 05, 2010
Job Number: _____
Customer: Devon Energy
Well Name: North Pure Gold 8 FED #14H
API Number: _____
Rig Name: _____
Location: Eddy Co., NM
Block: _____
Engineer: R joyner

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 477709.430 USFT	Latitude 32.3121558 DEG
East/West 707081.450 USFT	Longitude -103.7968326 DEG
Grid Convergence: .29°	
Total Correction: +7.52°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.31216° N	32° 18 min 43.761 sec
Longitude =	103.79683° W	103° 47 min 48.597 sec

Magnetic Declination =	7.81°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6589
Local Field Strength =	48754 nT	Magnetic Vector X = 23967 nT
Magnetic Dip =	60.25°	Magnetic Vector Y = 3285 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 42329 nT
Spud Date =	Jul 30, 2010	Magnetic Vector H = 24192 nT

Signed: _____

Date: _____