

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88201

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 15, 2009

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-38333	² Pool Code 49622	³ Pool Name PARKWAY; BONE SPRING
⁴ Property Code 38434	⁵ Property Name TURQUOISE PWU "27"	⁶ Well Number 1H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3339.5

¹⁰ Surface Location

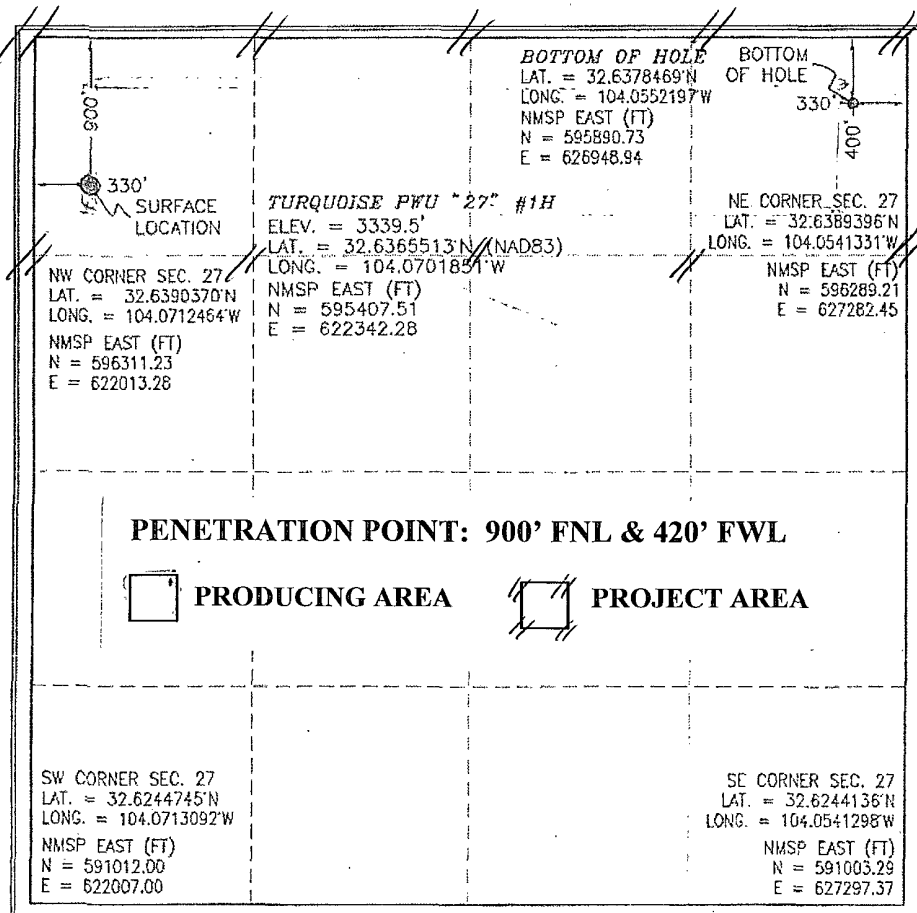
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	27	19 S	29 E		900	NORTH	330	WEST	EDDY

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	27	19 S	29 E		400	NORTH	330	EAST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

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 undivided 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.

Signature: *[Signature]* Date: *12/17/2010*
Printed Name: _____

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.

DECEMBER 14, 2010 MEXICO

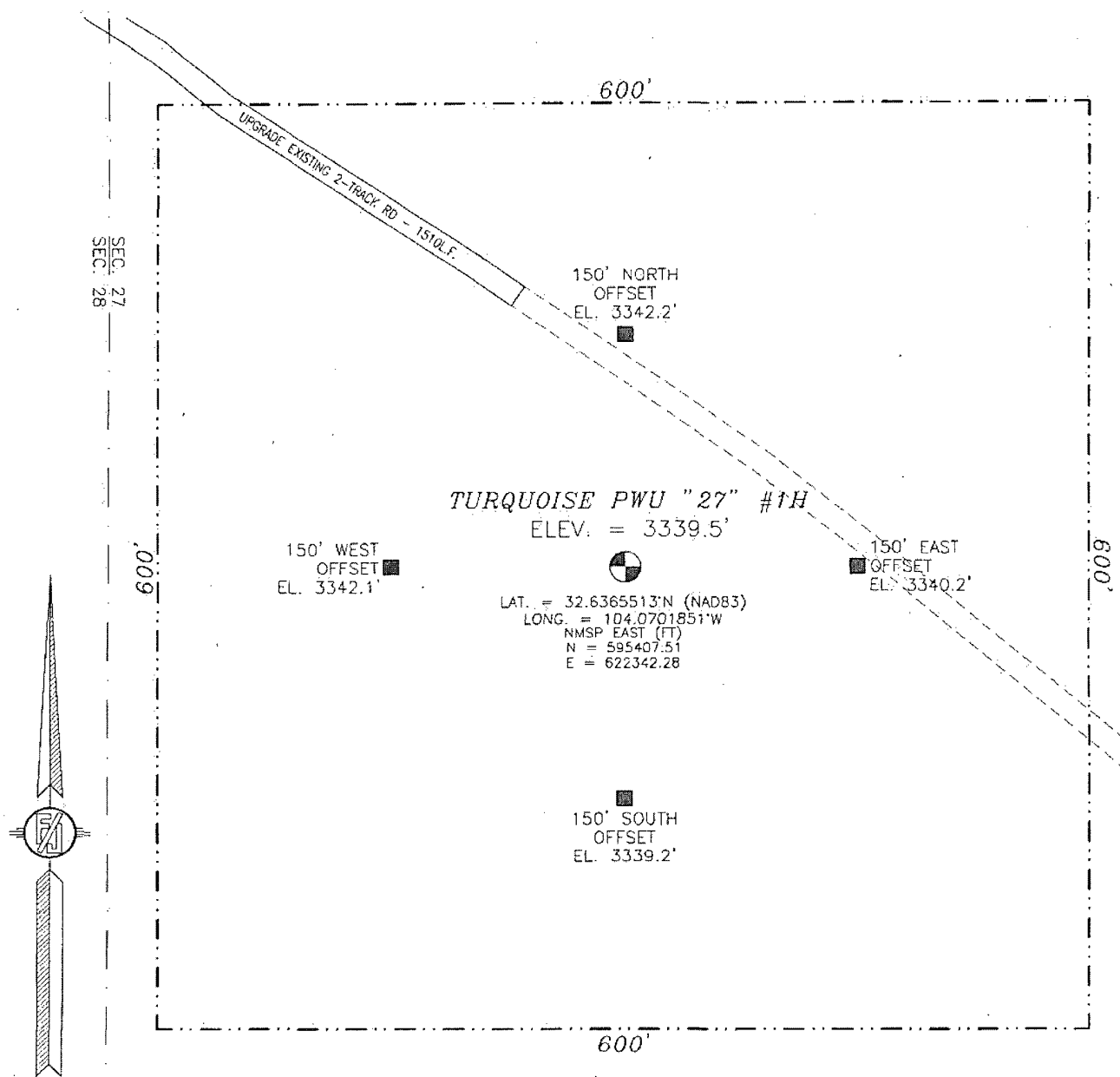
Date of Survey: _____

Signature and Seal of Professional Surveyor: *[Signature]*
Certificate Number: _____

Signature and Seal of Professional Surveyor: *[Signature]*
Certificate Number: _____

SURVEY NO. 343

SECTION 27, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



0 10 50 100 200
SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM CR. 235 (CURRY COMB - CALICHE) AND CR. 210 (OLD LOCO - CALICHE) GO SOUTHEAST 0.25 MILES, TURN RIGHT AND GO SOUTH 1.0 MILES, TURN LEFT ON TWO-TRACK ROAD AND GO SOUTHEAST 0.35 MILES, LOCATION IS ON RIGHT (SOUTHWEST) 112'.

DEVON ENERGY PRODUCTION COMPANY, L.P.

TURQUOISE PWU "27" #1H

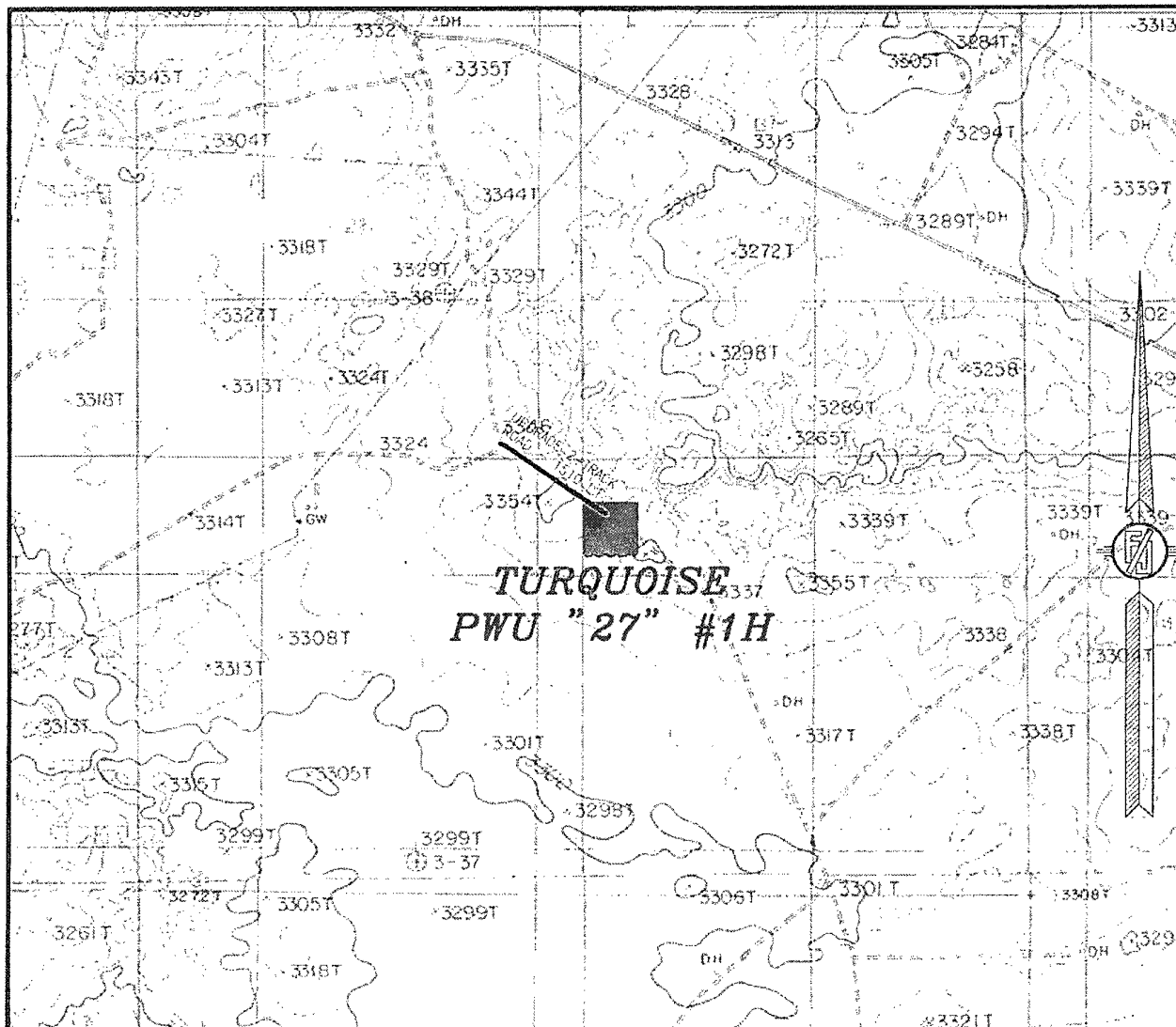
LOCATED 900 FT. FROM THE NORTH LINE
AND 330 FT. FROM THE WEST LINE OF
SECTION 27, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 14, 2010

SURVEY NO. 343

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 887-5630

SECTION 27, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



CONTOUR INTERVAL:
 ILLINOIS CAMP NE

NOT TO SCALE

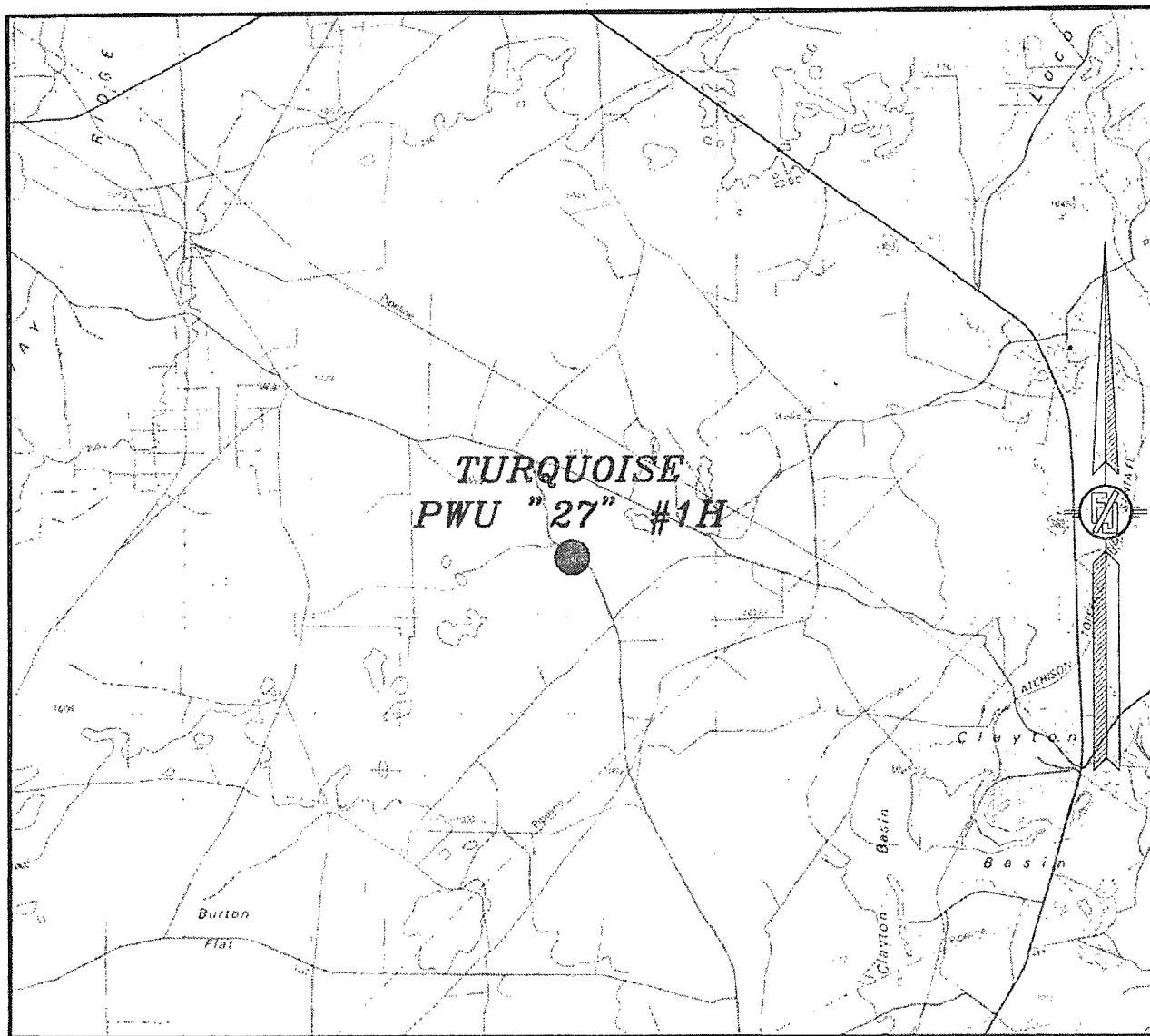
DEVON ENERGY PRODUCTION COMPANY, L.P.
TURQUOISE PWU #27 #1H
 LOCATED 900 FT. FROM THE NORTH LINE
 AND 330 FT. FROM THE WEST LINE OF
 SECTION 27, TOWNSHIP 19 SOUTH,
 RANGE 29 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 14, 2010

SURVEY NO. 343

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 887-5830 CARLSBAD, NEW MEXICO

SECTION 27, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
TURQUOISE PWU "27" #1H
LOCATED 900 FT. FROM THE NORTH LINE
AND 330 FT. FROM THE WEST LINE OF
SECTION 27, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

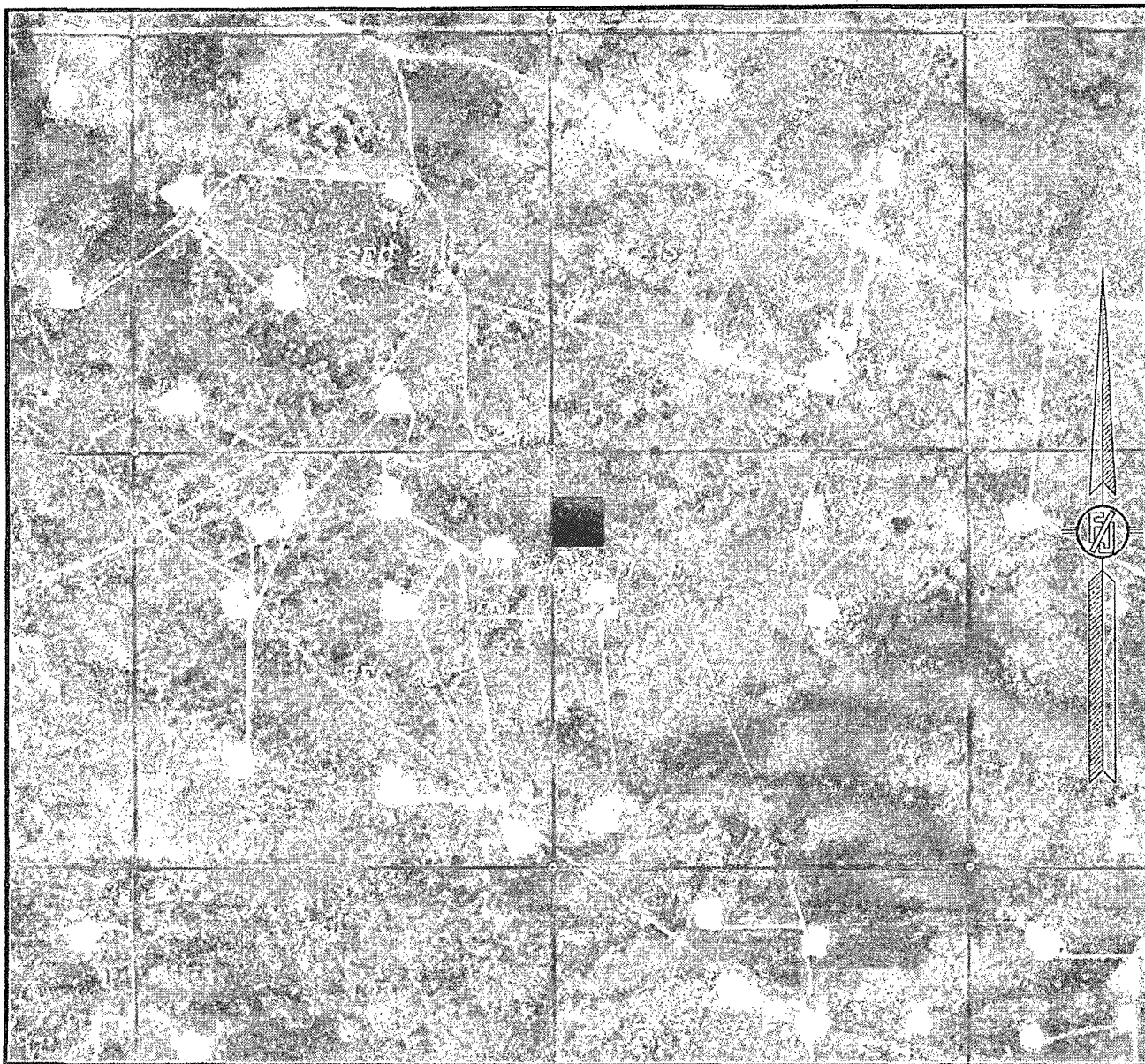
DECEMBER 14, 2010

SURVEY NO. 343

MADRON SURVEYING, INC. 401 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 887-5830

SECTION 27, 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
USDA - AUG, 2009

DEVON ENERGY PRODUCTION COMPANY, L.P.

TURQUOISE PWU "27" #1H

LOCATED 900 FT. FROM THE NORTH LINE
AND 330 FT. FROM THE WEST LINE OF
SECTION 27, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 14, 2010

SURVEY NO. 343

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(505) 857-5830

SECTION LAND PLAT

County Eddy State New Mexico

Section 27 Township 19 S Range 29 E

Turquoise PWU 27 1 H

SHL: 900' FNL, 330' FWL / BHL: 400' FNL, 330' FEL

SHL			BHL
State NM K0 4329	State NM K0 6949		State NM K0 4329



Weatherford®

RECEIVED

DEC 28 2010
HOBBSOCD

Drilling Services

Proposal



devon

TURQUOISE PWU 27 #1H

EDDY COUNTY, NM

WELL FILE: PLAN 1

DECEMBER 21, 2010

Weatherford International, Ltd.

P.O. Box 61028
Midland, TX 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com



Turquoise PWU 27 #1H
Eddy Co, NM

KB ELEV: 3365
GL ELEV: 3340

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	7432.00	0.00	0.00	7432.00	0.00	0.00	0.00	0.00	0.00	
3	8321.65	88.94	84.01	8005.00	58.69	559.46	10.00	0.00	562.53	
4	12391.75	88.94	84.01	8080.00	483.22	4606.66	0.00	0.00	4631.93	Pbhl

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

WELL DETAILS

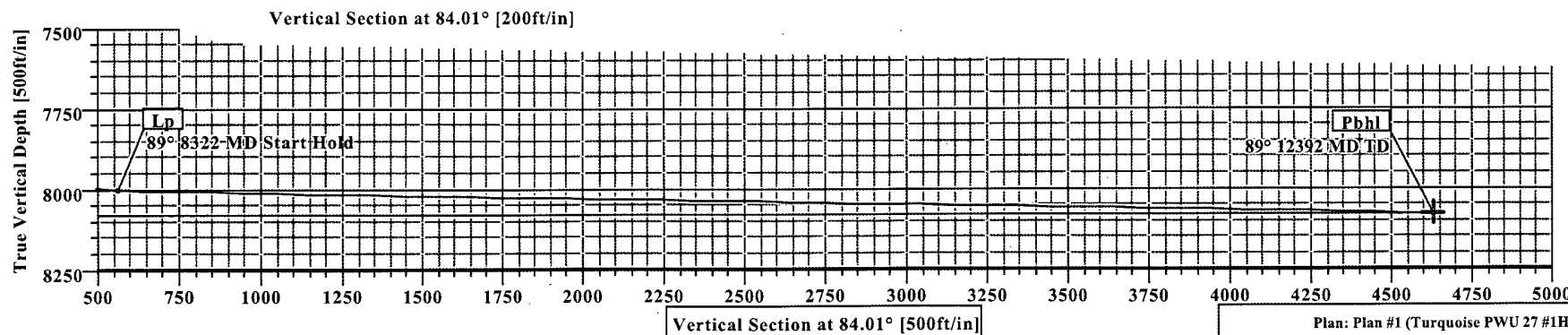
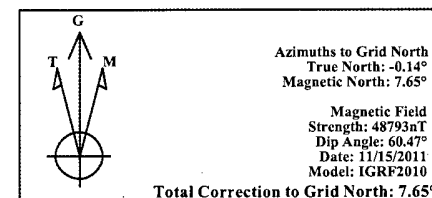
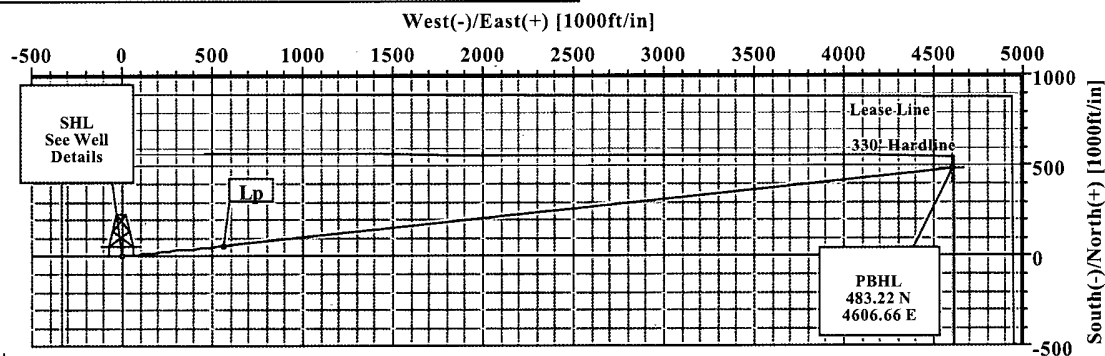
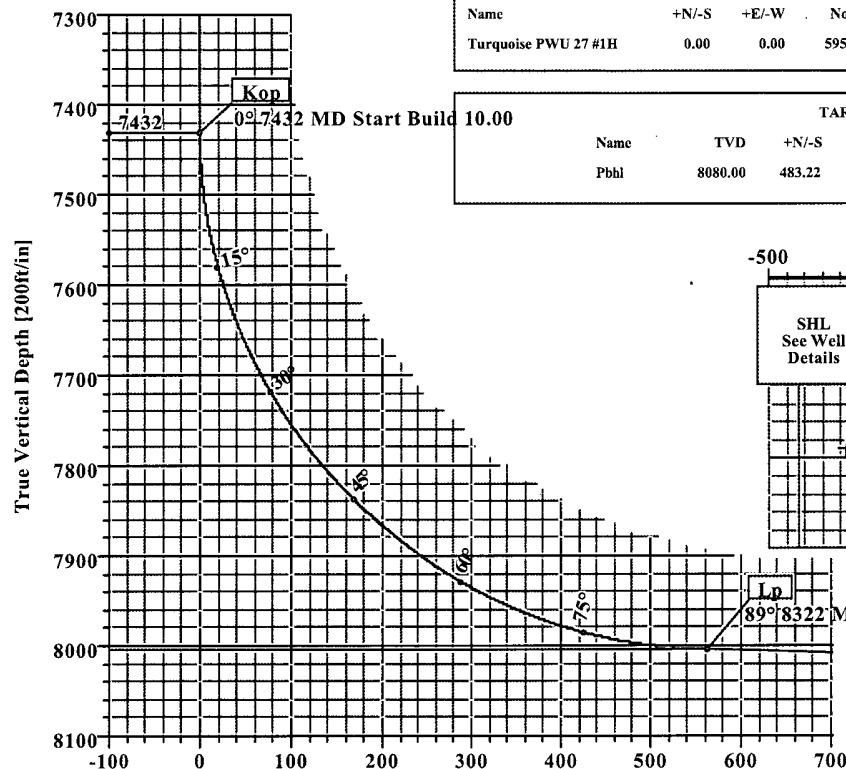
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Turquoise PWU 27 #1H	0.00	0.00	595407.51	622342.28	32°38'11.562N	104°04'12.676W	N/A

SITE DETAILS

Turquoise PWU 27 #1H
Site Centre Northing: 595407.51
Easting: 622342.28
Ground Level: 3340.00
Positional Uncertainty: 0.00
Convergence: 0.14

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl	8080.00	483.22	4606.66	595890.73	626948.94	Point



Plan: Plan #1 (Turquoise PWU 27 #1H/1)
Created By: Russell W. Joyner
Date: 12/21/2010



Weatherford International Ltd.

WFT Plan Report - X & Y's



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Turquoise PWU 27 #1H
Well: Turquoise PWU 27 #1H
Wellpath: 1

Date: 12/21/2010
Co-ordinate(NE) Reference: Well: Turquoise PWU 27 #1H, Grid North
Vertical (TVD) Reference: SITE 3365.0
Section (VS) Reference: Well (0.00N,0.00E,84.01Azi)
Survey Calculation Method: Minimum Curvature
Page: 1
Db: Sybase

Plan: Plan #1
Principal: Yes

Date Composed: 12/21/2010
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: Turquoise PWU 27 #1H

Site Position: Northing: 595407.51 ft Latitude: 32 38 11.562 N
From: Map Easting: 622342.28 ft Longitude: 104 4 12.676 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3340.00 ft Grid Convergence: 0.14 deg

Well: Turquoise PWU 27 #1H Slot Name:

Well Position: +N/-S 0.00 ft Northing: 595407.51 ft Latitude: 32 38 11.562 N
+E/-W 0.00 ft Easting: 622342.28 ft Longitude: 104 4 12.676 W
Position Uncertainty: 0.00 ft

Wellpath: 1

Current Datum: SITE Height 3365.00 ft
Magnetic Data: 11/15/2011
Field Strength: 48793 nT
Vertical Section: Depth From (TVD) +N/-S
ft ft

Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 7.80 deg
Mag Dip Angle: 60.47 deg
+E/-W Direction
ft deg

8080.00	0.00	0.00	84.01
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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	
7432.00	0.00	0.00	7432.00	0.00	0.00	0.00	0.00	0.00	0.00	
8321.65	88.94	84.01	8005.00	58.69	559.46	10.00	10.00	0.00	0.00	
12391.75	88.94	84.01	8080.00	483.22	4606.66	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
7400.00	0.00	0.00	7400.00	0.00	0.00	0.00	0.00	595407.51	622342.28	Kop
7432.00	0.00	0.00	7432.00	0.00	0.00	0.00	0.00	595407.51	622342.28	
7500.00	6.80	84.01	7499.84	0.42	4.01	4.03	10.00	595407.93	622346.29	
7600.00	16.80	84.01	7597.60	2.55	24.31	24.45	10.00	595410.06	622366.59	
7700.00	26.79	84.01	7690.34	6.42	61.19	61.53	10.00	595413.93	622403.47	
7800.00	36.79	84.01	7775.23	11.91	113.52	114.15	10.00	595419.42	622455.80	Lp
7900.00	46.79	84.01	7849.69	18.85	179.72	180.70	10.00	595426.36	622522.00	
8000.00	56.79	84.01	7911.47	27.04	257.76	259.18	10.00	595434.55	622600.04	
8100.00	66.78	84.01	7958.69	36.22	345.29	347.18	10.00	595443.73	622687.57	
8200.00	76.78	84.01	7989.91	46.12	439.64	442.05	10.00	595453.63	622781.92	
8300.00	86.78	84.01	8004.19	56.43	537.95	540.90	10.00	595463.94	622880.23	
8321.65	88.94	84.01	8005.00	58.69	559.46	562.53	10.00	595466.20	622901.74	
8322.54	88.94	84.01	8005.01	58.78	560.35	563.42	0.00	595466.29	622902.63	
8400.00	88.94	84.01	8006.44	66.86	637.37	640.87	0.00	595474.37	622979.65	
8500.00	88.94	84.01	8008.28	77.29	736.81	740.85	0.00	595484.80	623079.09	
8600.00	88.94	84.01	8010.13	87.72	836.25	840.83	0.00	595495.23	623178.53	
8700.00	88.94	84.01	8011.97	98.15	935.68	940.82	0.00	595505.66	623277.96	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Turquoise PWU 27 #1H
Well: Turquoise PWU 27 #1H
Wellpath: 1

Date: 12/21/2010 Time: 11:54:21 Page: 2
Co-ordinate(NE) Reference: Well: Turquoise PWU 27 #1H, Grid North
Vertical (TVD) Reference: SITE 3365.0
Section (VS) Reference: Well (0.00N,0.00E,84.01Azi)
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
8800.00	88.94	84.01	8013.81	108.58	1035.12	1040.80	0.00	595516.09	623377.40	
8900.00	88.94	84.01	8015.65	119.01	1134.56	1140.78	0.00	595526.52	623476.84	
9000.00	88.94	84.01	8017.50	129.44	1233.99	1240.77	0.00	595536.95	623576.27	
9100.00	88.94	84.01	8019.34	139.87	1333.43	1340.75	0.00	595547.38	623675.71	
9200.00	88.94	84.01	8021.18	150.30	1432.87	1440.73	0.00	595557.81	623775.15	
9300.00	88.94	84.01	8023.03	160.73	1532.31	1540.71	0.00	595568.24	623874.59	
9400.00	88.94	84.01	8024.87	171.16	1631.74	1640.70	0.00	595578.67	623974.02	
9500.00	88.94	84.01	8026.71	181.59	1731.18	1740.68	0.00	595589.10	624073.46	
9600.00	88.94	84.01	8028.55	192.02	1830.62	1840.66	0.00	595599.53	624172.90	
9700.00	88.94	84.01	8030.40	202.46	1930.06	1940.65	0.00	595609.97	624272.34	
9800.00	88.94	84.01	8032.24	212.89	2029.49	2040.63	0.00	595620.40	624371.77	
9900.00	88.94	84.01	8034.08	223.32	2128.93	2140.61	0.00	595630.83	624471.21	
10000.00	88.94	84.01	8035.93	233.75	2228.37	2240.60	0.00	595641.26	624570.65	
10100.00	88.94	84.01	8037.77	244.18	2327.81	2340.58	0.00	595651.69	624670.09	
10200.00	88.94	84.01	8039.61	254.61	2427.24	2440.56	0.00	595662.12	624769.52	
10300.00	88.94	84.01	8041.45	265.04	2526.68	2540.54	0.00	595672.55	624868.96	
10400.00	88.94	84.01	8043.30	275.47	2626.12	2640.53	0.00	595682.98	624968.40	
10500.00	88.94	84.01	8045.14	285.90	2725.56	2740.51	0.00	595693.41	625067.84	
10600.00	88.94	84.01	8046.98	296.33	2824.99	2840.49	0.00	595703.84	625167.27	
10700.00	88.94	84.01	8048.82	306.76	2924.43	2940.48	0.00	595714.27	625266.71	
10800.00	88.94	84.01	8050.67	317.19	3023.87	3040.46	0.00	595724.70	625366.15	
10900.00	88.94	84.01	8052.51	327.62	3123.31	3140.44	0.00	595735.13	625465.59	
11000.00	88.94	84.01	8054.35	338.05	3222.74	3240.43	0.00	595745.56	625565.02	
11100.00	88.94	84.01	8056.20	348.48	3322.18	3340.41	0.00	595755.99	625664.46	
11200.00	88.94	84.01	8058.04	358.91	3421.62	3440.39	0.00	595766.42	625763.90	
11300.00	88.94	84.01	8059.88	369.34	3521.06	3540.37	0.00	595776.85	625863.34	
11400.00	88.94	84.01	8061.72	379.78	3620.49	3640.36	0.00	595787.29	625962.77	
11500.00	88.94	84.01	8063.57	390.21	3719.93	3740.34	0.00	595797.72	626062.21	
11600.00	88.94	84.01	8065.41	400.64	3819.37	3840.32	0.00	595808.15	626161.65	
11700.00	88.94	84.01	8067.25	411.07	3918.81	3940.31	0.00	595818.58	626261.09	
11800.00	88.94	84.01	8069.10	421.50	4018.24	4040.29	0.00	595829.01	626360.52	
11900.00	88.94	84.01	8070.94	431.93	4117.68	4140.27	0.00	595839.44	626459.96	
12000.00	88.94	84.01	8072.78	442.36	4217.12	4240.26	0.00	595849.87	626559.40	
12100.00	88.94	84.01	8074.62	452.79	4316.56	4340.24	0.00	595860.30	626658.84	
12200.00	88.94	84.01	8076.47	463.22	4415.99	4440.22	0.00	595870.73	626758.27	
12300.00	88.94	84.01	8078.31	473.65	4515.43	4540.20	0.00	595881.16	626857.71	
12391.75	88.94	84.01	8080.00	483.22	4606.66	4631.93	0.00	595890.73	626948.94	Pbhl

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude			Longitude		
Pbhl			8080.00	483.22	4606.66	595890.73	626948.94	32	38	16.228 N	104	3	18.787 W

Casing Points

MD	TVD	Diameter	Hole Size	Name



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Devon Energy	Date: 12/21/2010	Time: 11:54:21	Page: 3
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference:	Well: Turquoise PWU 27 #1H, Grid North	
Site: Turquoise PWU 27 #1H	Vertical (TVD) Reference:	SITE 3365.0	
Well: Turquoise PWU 27 #1H	Section (VS) Reference:	Well (0.00N,0.00E,84.01Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Annotation

MD ft	TVD ft	
7432.00	7432.00	Kop
8322.54	8005.01	Lp
12391.74	8080.00	Pbhl

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

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

GeoDec v5.03

Report Date: December 21, 2010
Job Number: _____
Customer: Devon Energy
Well Name: Turquoise PWU 27 #1H
API Number: _____
Rig Name: _____
Location: Eddy Co., NM (NAD 83)
Block: _____
Engineer: RWJ

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 595407.510 USFT	Latitude 32.6365484 DEG
East/West 622342.280 USFT	Longitude -104.0701837 DEG
Grid Convergence: .14°	
Total Correction: +7.66°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.63655° N	32° 38 min 11.574 sec
Longitude =	104.07018° W	104° 4 min 12.661 sec

Magnetic Declination =	7.80°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6737
Local Field Strength =	48789 nT	Magnetic Vector X = 23823 nT
Magnetic Dip =	60.47°	Magnetic Vector Y = 3262 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 42452 nT
Spud Date =	Nov 15, 2011	Magnetic Vector H = 24045 nT

Signed: _____

Date: _____