

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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 30-015-40289		² Pool Code 49622	³ Pool Name PARKWAY;BONESPRING
⁴ Property Code 38434	⁵ Property Name TURQUOISE PWU "27"		⁶ Well Number 8H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3302.5

¹⁰ Surface Location

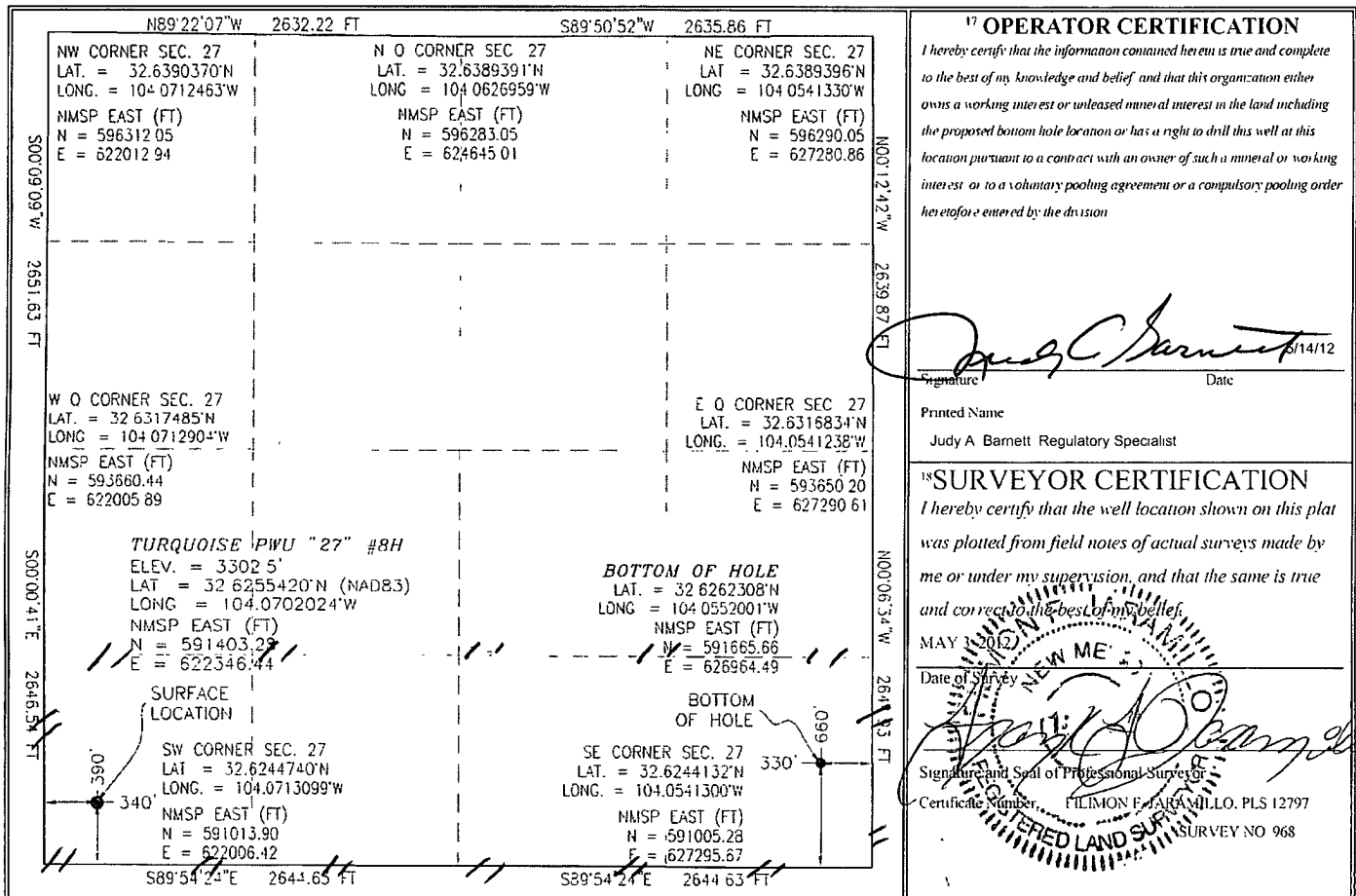
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	27	19 S	29 E		390	SOUTH	340	WEST	EDDY

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
P	27	19 S	29 E		660	SOUTH	330	EAST	EDDY

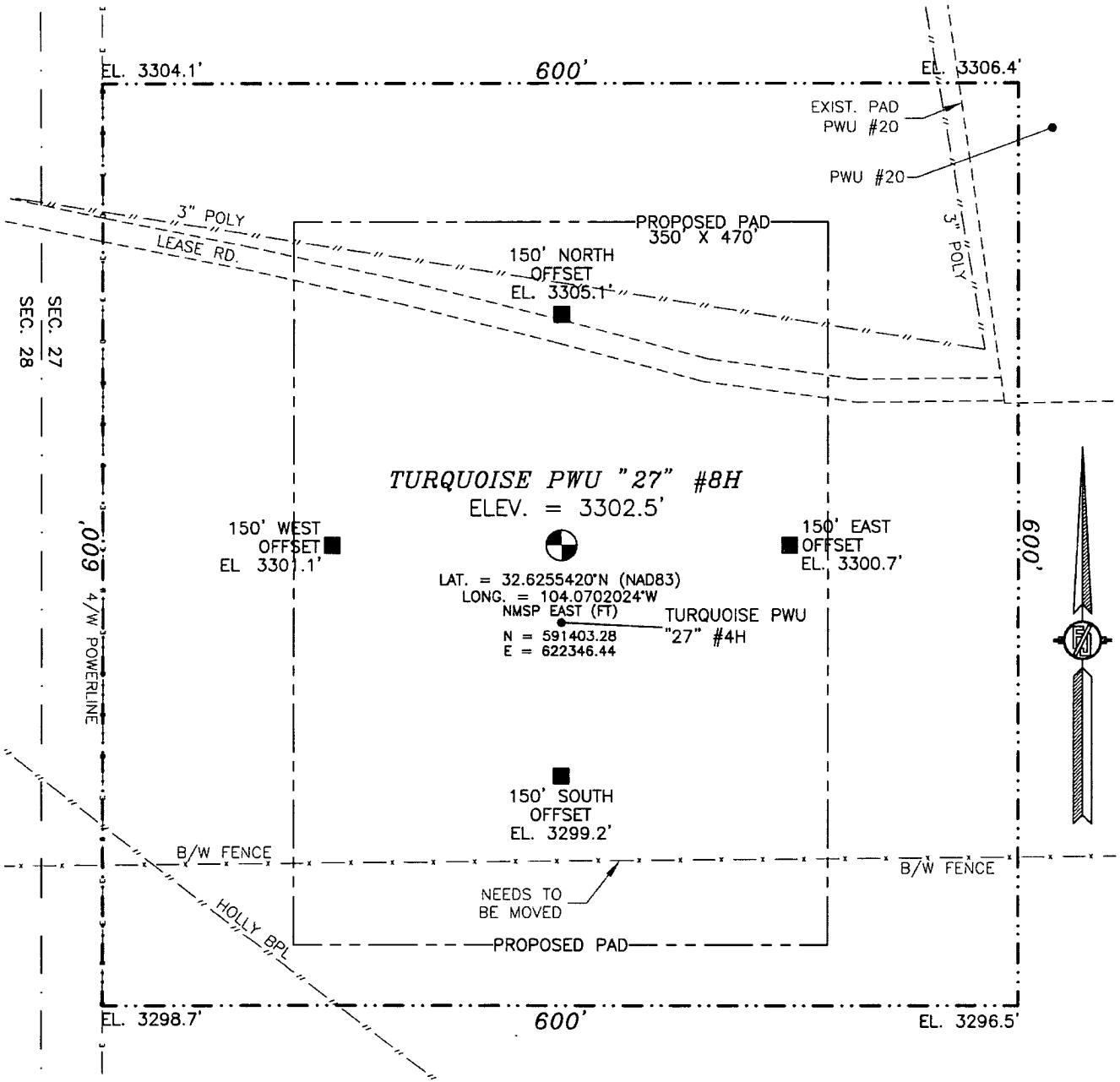
¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

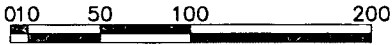


RECEIVED
MAY 16 2012
NMOOD ARTESIA

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



TURQUOISE PWU "27" #8H
 ELEV. = 3302.5'
 LAT. = 32.6255420°N (NAD83)
 LONG. = 104.0702024°W
 NMSP EAST (FT)
 N = 591403.28
 E = 622346.44



SCALE 1" = 100'
 DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CR 210 (OLD LOCO) AND CR 235 (CURRY COMB) GO SOUTHEAST ON CR 235 FOR APPROX. 0.3 OF A MILE. GO SOUTH (DEVON PARKWAY SIGN) FOR APPROX. 1 MILE. GO WEST APPROX. 0.4 OF A MILE. GO SOUTH APPROX. 0.15 OF A MILE. GO SOUTH-SOUTHEAST APPROX. 0.9 OF A MILE. GO SOUTHEAST APPROX. 0.1 OF A MILE. LOCATION IS APPROX. 140 FT SOUTH.

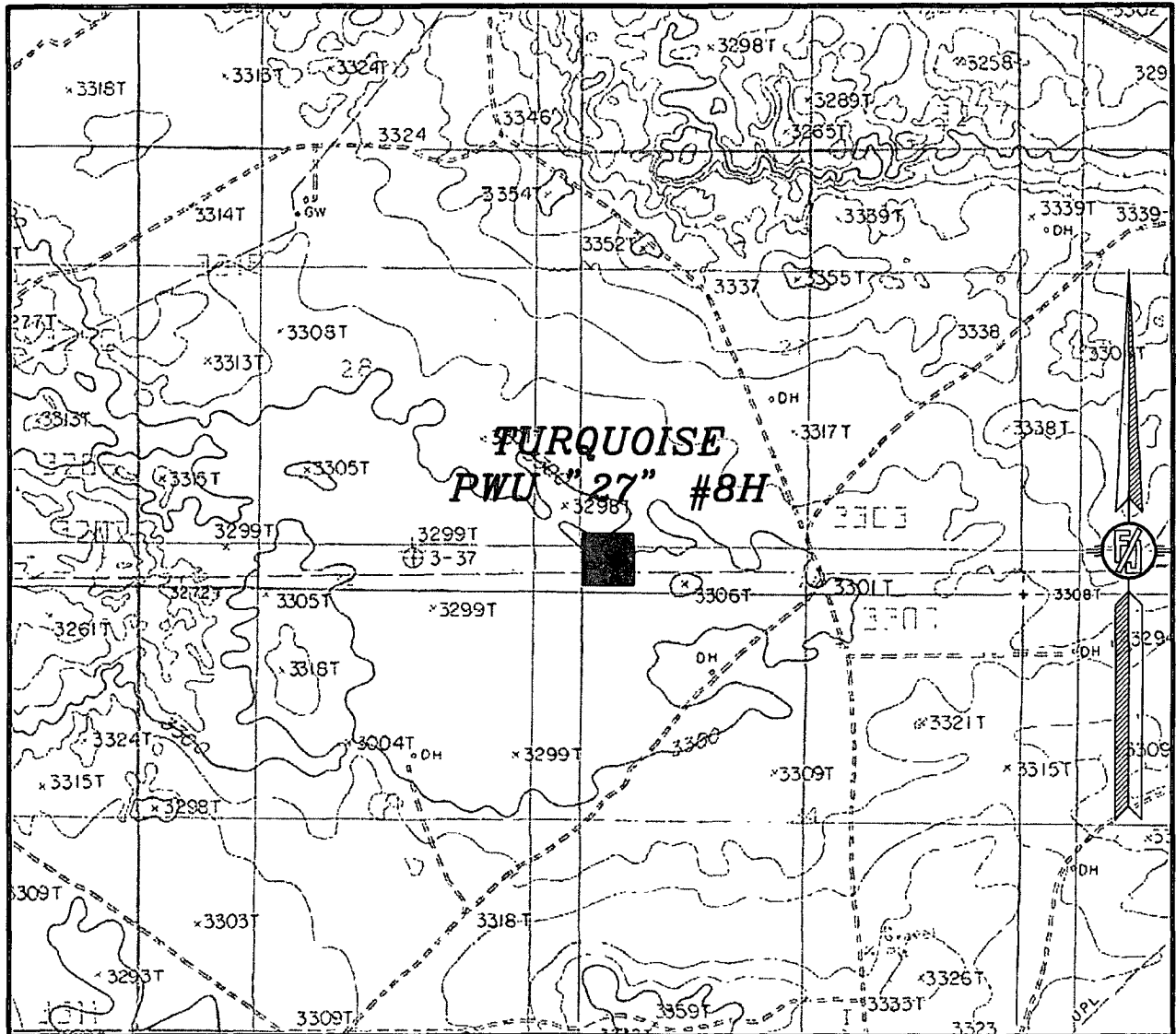
DEVON ENERGY PRODUCTION COMPANY, L.P.
TURQUOISE PWU "27" #8H
 LOCATED 390 FT. FROM THE SOUTH LINE
 AND 340 FT. FROM THE WEST LINE OF
 SECTION 27, TOWNSHIP 19 SOUTH,
 RANGE 29 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

MAY 3, 2012

SURVEY NO. 968

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

SECTION 27, 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

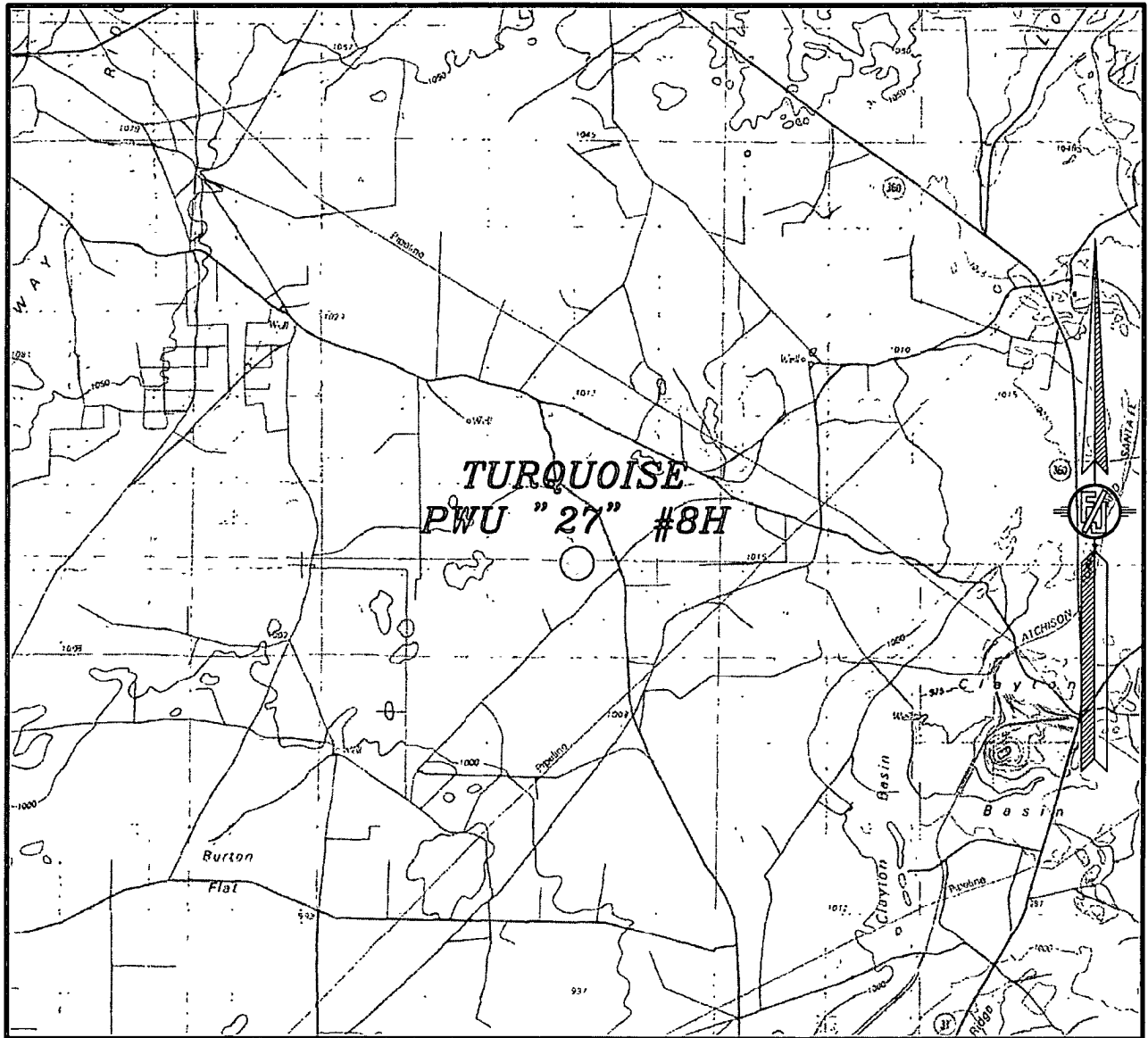
DEVON ENERGY PRODUCTION COMPANY, L.P.
TURQUOISE PWU "27" #8H
 LOCATED 390 FT. FROM THE SOUTH LINE
 AND 340 FT. FROM THE WEST LINE OF
 SECTION 27, TOWNSHIP 19 SOUTH,
 RANGE 29 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

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SURVEY NO. 968

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 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" #8H

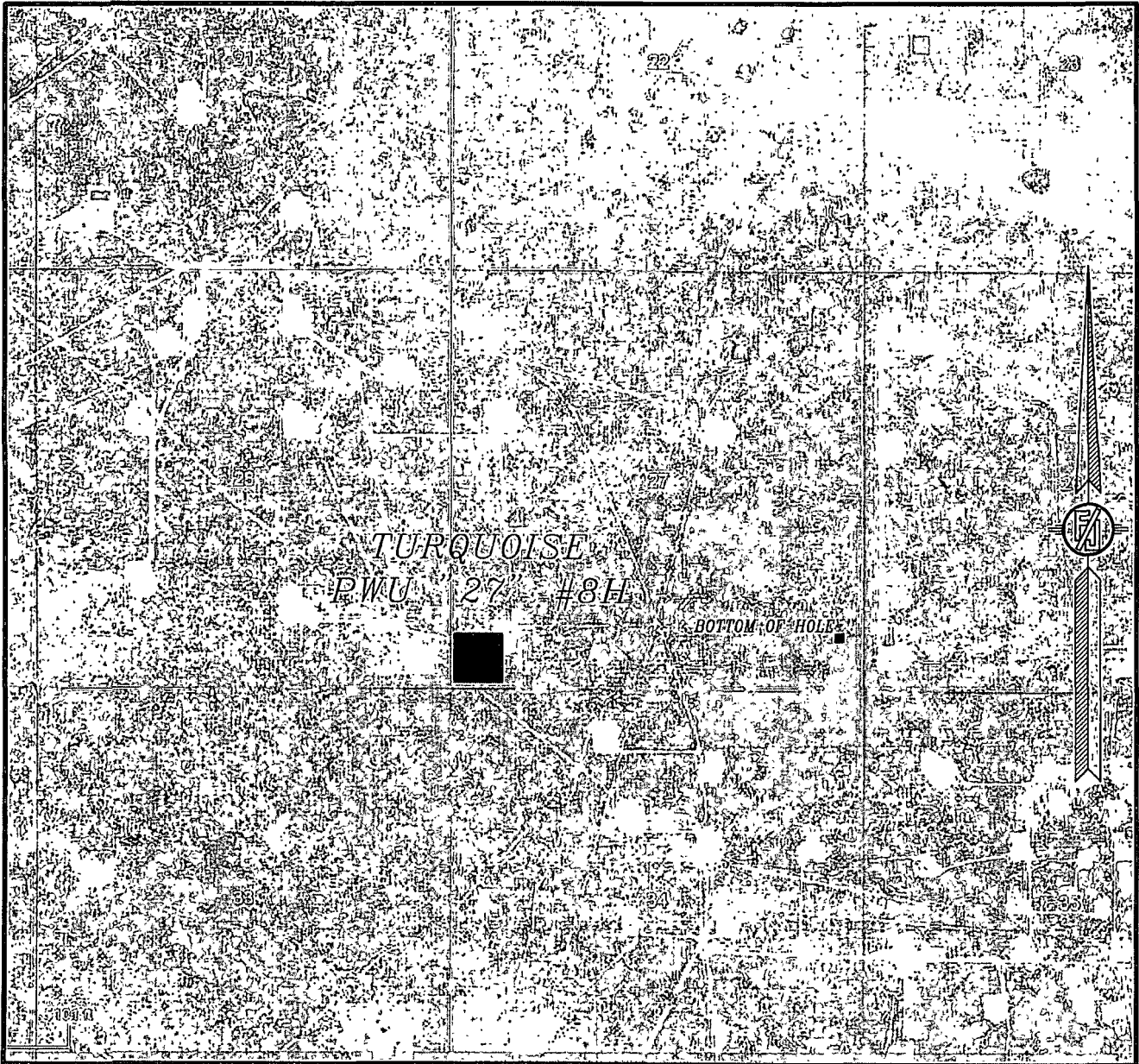
LOCATED 390 FT. FROM THE SOUTH LINE
AND 340 FT. FROM THE WEST LINE OF
SECTION 27, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 3, 2012

SURVEY NO. 968

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

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
JUNE, 2011

DEVON ENERGY PRODUCTION COMPANY, L.P.
TURQUOISE PWU "27" #8H
LOCATED 390 FT. FROM THE SOUTH LINE
AND 340 FT. FROM THE WEST LINE OF
SECTION 27, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 3, 2012

SURVEY NO. 968

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

Devon Energy Corporation

HALLIBURTON | Sperry Drilling

Project: Eddy County, NM (NAD 83)
 Site: Turquoise PWU 27
 Well: Turquoise PWU 27 8H
 Wellbore: Wellbore #1
 Plan: Plan #1
 Rig: Cactus 126

SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation GL 3302 50' + KB 25 00' @ 3327 50ft (Cactus 126)
 Northing Easting Latitude Longitude
 591403 28 622346 44 32° 37' 31 951 N 104° 4' 12 729 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	
6552 30	0 00	0 00	6552 30	0 00	0 00	0 00	0 00	0 00	KOP/Start Build
7435 41	88 31	86 75	7125 00	31 54	555 17	10 00	86 75	556 07	End Build
11506 60	88 31	86 75	7245 00	262 38	4618 05	0 00	0 00	4625 50	TD

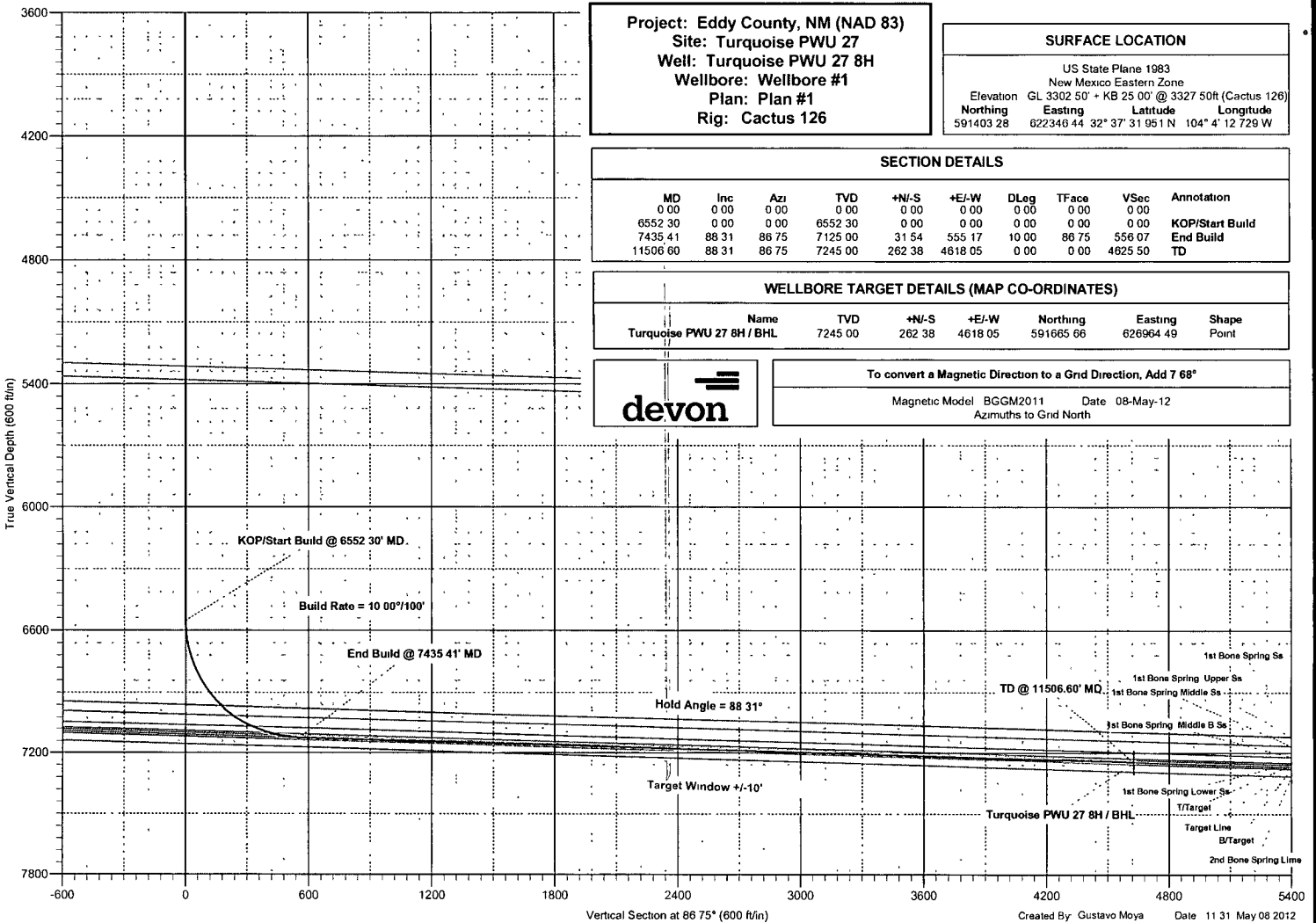
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
Turquoise PWU 27 8H / BHL	7245 00	262 38	4618 05	591665 66	626964 49	



To convert a Magnetic Direction to a Grid Direction, Add 7 68°

Magnetic Model BGGM2011 Date 08-May-12
 Azimuths to Grid North

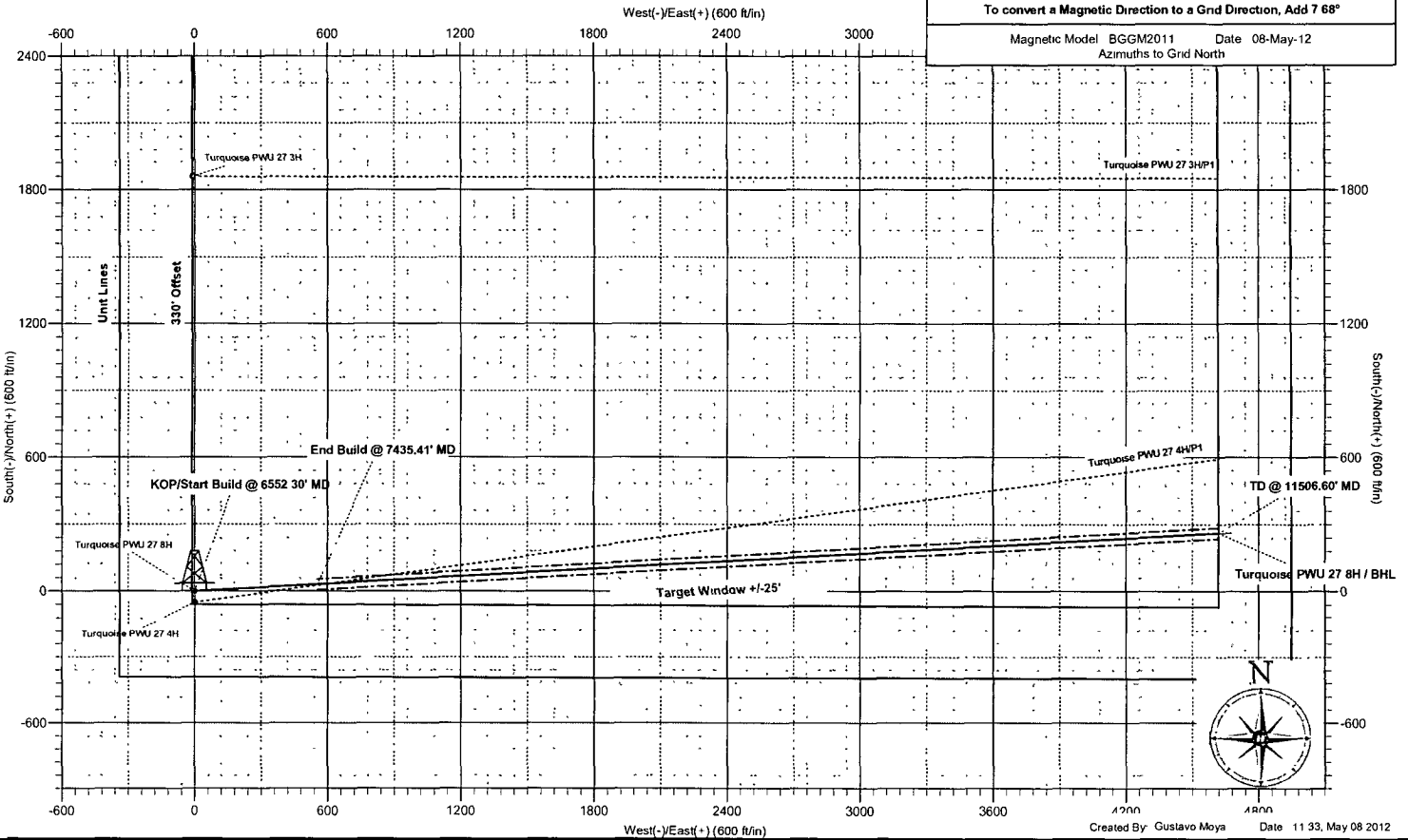




Project: Eddy County, NM (NAD 83)
 Site: Turquoise PWU 27
 Well: Turquoise PWU 27 8H
 Wellbore: Wellbore #1
 Plan: Plan #1
 Rig: Cactus 126

SURFACE LOCATION			
US State Plane 1983			
New Mexico Eastern Zone			
Elevation	GL 3302 50' + KB 25 00' @ 3327 50ft (Cactus 126)		
Northing	Easting	Latitude	Longitude
591403 28	622346 44	32° 37' 31 951 N	104° 4' 12 729 W

To convert a Magnetic Direction to a Grid Direction, Add 7.68°
 Magnetic Model BGGM2011 Date 08-May-12
 Azimuths to Grid North



Devon Energy Corporation

Eddy County, NM (NAD 83)

Turquoise PWU 27

Turquoise PWU 27 8H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services Proposal Report

08 May, 2012

Well Coordinates 591,403 28 N, 622,346 44 E (32° 37' 31 95" N, 104° 04' 12 73" W)

Ground Level 3,302 50 ft

Local Coordinate Origin	Centered on Well Turquoise PWU 27 8H
Viewing Datum	GL 3302 50' + KB 25 00' @ 3327 50ft (Cactus 126)
TVDs to System	N
North Reference	Grid
Unit System	API - US Survey Feet

Version 2003 16 Build 431

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Plan Report for Turquoise PWU 27 8H - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
100 00	0 00	0 00	100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
200 00	0 00	0 00	200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
300 00	0 00	0 00	300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
400 00	0 00	0 00	400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
415 00	0 00	0 00	415 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Salado										
500 00	0 00	0 00	500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
600 00	0 00	0 00	600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
700 00	0 00	0 00	700 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
800 00	0 00	0 00	800 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
900 00	0 00	0 00	900 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,000 00	0 00	0 00	1,000 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,100 00	0 00	0 00	1,100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,125 00	0 00	0 00	1,125 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Tansil Dolomite										
1,200 00	0 00	0 00	1,200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,280 00	0 00	0 00	1,280 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Yates										
1,300 00	0 00	0 00	1,300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,400 00	0 00	0 00	1,400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,500 00	0 00	0 00	1,500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,600 00	0 00	0 00	1,600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,610 00	0 00	0 00	1,610 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Seven Rivers										
1,700 00	0 00	0 00	1,700 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,800 00	0 00	0 00	1,800 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,900 00	0 00	0 00	1,900 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,000 00	0 00	0 00	2,000 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,035 00	0 00	0 00	2,035 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Queen										
2,100 00	0 00	0 00	2,100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,200 00	0 00	0 00	2,200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,300 00	0 00	0 00	2,300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,400 00	0 00	0 00	2,400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,500 00	0 00	0 00	2,500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,600 00	0 00	0 00	2,600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,700 00	0 00	0 00	2,700 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,745 00	0 00	0 00	2,745 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
San Andres										
2,800 00	0 00	0 00	2,800 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,900 00	0 00	0 00	2,900 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,000 00	0 00	0 00	3,000 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,100 00	0 00	0 00	3,100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,200 00	0 00	0 00	3,200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,300 00	0 00	0 00	3,300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,400 00	0 00	0 00	3,400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,445 00	0 00	0 00	3,445 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Delaware										
3,500 00	0 00	0 00	3,500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,600 00	0 00	0 00	3,600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,700 00	0 00	0 00	3,700 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,800 00	0 00	0 00	3,800 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,900 00	0 00	0 00	3,900 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,000 00	0 00	0 00	4,000 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,100 00	0 00	0 00	4,100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,200 00	0 00	0 00	4,200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00

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Plan Report for Turquoise PWU 27 8H - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
4,300 00	0 00	0 00	4,300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,400 00	0 00	0 00	4,400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,500 00	0 00	0 00	4,500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,600 00	0 00	0 00	4,600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,700 00	0 00	0 00	4,700 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,800 00	0 00	0 00	4,800 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,900 00	0 00	0 00	4,900 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,000 00	0 00	0 00	5,000 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,100 00	0 00	0 00	5,100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,200 00	0 00	0 00	5,200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,300 00	0 00	0 00	5,300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,315 00	0 00	0 00	5,315 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Cutoff Dolomite										
5,380 00	0 00	0 00	5,380 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Bone Spring Lm										
5,400 00	0 00	0 00	5,400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,500 00	0 00	0 00	5,500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,600 00	0 00	0 00	5,600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,700 00	0 00	0 00	5,700 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,800 00	0 00	0 00	5,800 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,900 00	0 00	0 00	5,900 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
6,000 00	0 00	0 00	6,000 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
6,100 00	0 00	0 00	6,100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
6,200 00	0 00	0 00	6,200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
6,300 00	0 00	0 00	6,300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
6,400 00	0 00	0 00	6,400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
6,500 00	0 00	0 00	6,500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
6,552 30	0 00	0 00	6,552 30	0 00	0 00	0 00	0 00	0 00	0 00	0 00
KOP/Start Build @ 6552.30' MD - Build Rate = 10.00°/100'										
6,600 00	4 77	86 75	6,599 94	0 11	1 98	1 98	10 00	10 00	0 00	86 75
6,650 00	9 77	86 75	6,649 53	0 47	8 30	8 31	10 00	10 00	0 00	0 00
6,700 00	14 77	86 75	6,698 37	1 07	18 90	18 93	10 00	10 00	0 00	0 00
6,750 00	19 77	86 75	6,746 10	1 92	33 72	33 77	10 00	10 00	0 00	0 00
6,800 00	24 77	86 75	6,792 36	2 99	52 63	52 72	10 00	10 00	0 00	0 00
6,850 00	29 77	86 75	6,836 78	4 29	75 50	75 62	10 00	10 00	0 00	0 00
6,900 00	34 77	86 75	6,879 05	5 80	102 14	102 31	10 00	10 00	0 00	0 00
6,950 00	39 77	86 75	6,918 82	7 52	132 36	132 57	10 00	10 00	0 00	0 00
7,000 00	44 77	86 75	6,955 81	9 43	165 93	166 20	10 00	10 00	0 00	0 00
7,013 36	46 11	86 75	6,965 18	9 97	175 43	175 71	10 00	10 00	0 00	0 00
1st Bone Spring Ss - 1st Bone Spring Upper Ss										
7,050 00	49 77	86 75	6,989 73	11 51	202 59	202 91	10 00	10 00	0 00	0 00
7,085 51	53 32	86 75	7,011 81	13 09	230 34	230 72	10 00	10 00	0 00	0 00
1st Bone Spring Middle Ss										
7,100 00	54 77	86 75	7,020 31	13 75	242 05	242 45	10 00	10 00	0 00	0 00
7,150 00	59 77	86 75	7,047 34	16 14	284 04	284 49	10 00	10 00	0 00	0 00
7,197 76	64 55	86 75	7,069 64	18 53	326 19	326 72	10 00	10 00	0 00	0 00
1st Bone Spring Middle B Ss										
7,200 00	64 77	86 75	7,070 60	18 65	328 21	328 74	10 00	10 00	0 00	0 00
7,250 00	69 77	86 75	7,089 91	21 26	374 24	374 84	10 00	10 00	0 00	0 00
7,289 05	73 68	86 75	7,102 15	23 37	411 25	411 91	10 00	10 00	0 00	0 00
1st Bone Spring Lower Ss										
7,300 00	74 77	86 75	7,105 13	23 96	421 77	422 45	10 00	10 00	0 00	0 00
7,327 85	77 56	86 75	7,111 79	25 50	448 77	449 49	10 00	10 00	0 00	0 00
T/Target										
7,350 00	79 77	86 75	7,116 15	26 73	470 45	471 21	10 00	10 00	0 00	0 00
7,400 00	84 77	86 75	7,122 87	29 54	519 90	520 74	10 00	10 00	0 00	0 00
7,426 60	87 43	86 75	7,124 68	31 04	546 39	547 27	10 00	10 00	0 00	0 00
Target Line										
7,435 41	88 31	86 75	7,125 00	31 54	555 18	556 07	9 99	9 99	0 00	0 00

HALLIBURTON

Plan Report for Turquoise PWU 27 8H - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
End Build @ 7435.41' MD - Hold Angle = 88.31°										
7,500 00	88 31	86 75	7,126 91	35 21	619 64	620 64	0 00	0 00	0 00	0 00
7,600 00	88 31	86 75	7,129 86	40 88	719 43	720 59	0 00	0 00	0 00	0 00
7,700 00	88 31	86 75	7,132 80	46 55	819 23	820 55	0 00	0 00	0 00	0 00
7,800 00	88 31	86 75	7,135 75	52 22	919 02	920 51	0 00	0 00	0 00	0 00
7,900 00	88 31	86 75	7,138 70	57 89	1,018 82	1,020 46	0 00	0 00	0 00	0 00
8,000 00	88 31	86 75	7,141 65	63 56	1,118 62	1,120 42	0 00	0 00	0 00	0 00
8,100 00	88 31	86 75	7,144 59	69 23	1,218 41	1,220 38	0 00	0 00	0 00	0 00
8,200 00	88 31	86 75	7,147 54	74 90	1,318 21	1,320 33	0 00	0 00	0 00	0 00
8,300 00	88 31	86 75	7,150 49	80 57	1,418 00	1,420 29	0 00	0 00	0 00	0 00
8,400 00	88 31	86 75	7,153 43	86 24	1,517 80	1,520 25	0 00	0 00	0 00	0 00
8,500 00	88 31	86 75	7,156 38	91 91	1,617 59	1,620 20	0 00	0 00	0 00	0 00
8,600 00	88 31	86 75	7,159 33	97 58	1,717 39	1,720 16	0 00	0 00	0 00	0 00
8,700 00	88 31	86 75	7,162 28	103 25	1,817 18	1,820 12	0 00	0 00	0 00	0 00
8,800 00	88 31	86 75	7,165 22	108 92	1,916 98	1,920 07	0 00	0 00	0 00	0 00
8,900 00	88 31	86 75	7,168 17	114 59	2,016 78	2,020 03	0 00	0 00	0 00	0 00
9,000 00	88 31	86 75	7,171 12	120 26	2,116 57	2,119 99	0 00	0 00	0 00	0 00
9,100 00	88 31	86 75	7,174 07	125 93	2,216 37	2,219 94	0 00	0 00	0 00	0 00
9,200 00	88 31	86 75	7,177 01	131 60	2,316 16	2,319 90	0 00	0 00	0 00	0 00
9,300 00	88 31	86 75	7,179 96	137 27	2,415 96	2,419 85	0 00	0 00	0 00	0 00
9,400 00	88 31	86 75	7,182 91	142 94	2,515 75	2,519 81	0 00	0 00	0 00	0 00
9,500 00	88 31	86 75	7,185 86	148 61	2,615 55	2,619 77	0 00	0 00	0 00	0 00
9,600 00	88 31	86 75	7,188 80	154 28	2,715 35	2,719 72	0 00	0 00	0 00	0 00
9,700 00	88 31	86 75	7,191 75	159 95	2,815 14	2,819 68	0 00	0 00	0 00	0 00
9,800 00	88 31	86 75	7,194 70	165 62	2,914 94	2,919 64	0 00	0 00	0 00	0 00
9,900 00	88 31	86 75	7,197 65	171 29	3,014 73	3,019 59	0 00	0 00	0 00	0 00
10,000 00	88 31	86 75	7,200 59	176 96	3,114 53	3,119 55	0 00	0 00	0 00	0 00
10,100 00	88 31	86 75	7,203 54	182 63	3,214 32	3,219 51	0 00	0 00	0 00	0 00
10,200 00	88 31	86 75	7,206 49	188 30	3,314 12	3,319 46	0 00	0 00	0 00	0 00
10,300 00	88 31	86 75	7,209 44	193 97	3,413 91	3,419 42	0 00	0 00	0 00	0 00
10,400 00	88 31	86 75	7,212 38	199 64	3,513 71	3,519 38	0 00	0 00	0 00	0 00
10,500 00	88 31	86 75	7,215 33	205 31	3,613 51	3,619 33	0 00	0 00	0 00	0 00
10,600 00	88 31	86 75	7,218 28	210 98	3,713 30	3,719 29	0 00	0 00	0 00	0 00
10,700 00	88 31	86 75	7,221 23	216 65	3,813 10	3,819 25	0 00	0 00	0 00	0 00
10,800 00	88 31	86 75	7,224 17	222 32	3,912 89	3,919 20	0 00	0 00	0 00	0 00
10,900 00	88 31	86 75	7,227 12	227 99	4,012 69	4,019 16	0 00	0 00	0 00	0 00
11,000 00	88 31	86 75	7,230 07	233 66	4,112 48	4,119 12	0 00	0 00	0 00	0 00
11,100 00	88 31	86 75	7,233 02	239 33	4,212 28	4,219 07	0 00	0 00	0 00	0 00
11,200 00	88 31	86 75	7,235 96	245 00	4,312 08	4,319 03	0 00	0 00	0 00	0 00
11,300 00	88 31	86 75	7,238 91	250 67	4,411 87	4,418 99	0 00	0 00	0 00	0 00
11,400 00	88 31	86 75	7,241 86	256 34	4,511 67	4,518 94	0 00	0 00	0 00	0 00
11,506 60	88 31	86 75	7,245 00	262 38	4,618 05	4,625 50	0 00	0 00	0 00	0 00
TD @ 11506.60' MD - Turquoise PWU 27 8H / BHL										

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,552 30	6,552 30	0 00	0 00	KOP/Start Build @ 6552 30' MD
6,552 30	6,552 30	0 00	0 00	Build Rate = 10 00°/100'
7,435 41	7,125 00	31 54	555 17	End Build @ 7435 41' MD
7,435 41	7,125 00	31 54	555 18	Hold Angle = 88 31°
11,506 60	7,245 00	262 38	4,618 05	TD @ 11506 60' MD

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Plan Report for Turquoise PWU 27 8H - Plan #1

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
TD	No Target (Freehand)	86 75	Slot	0 00	0 00	0 00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0 00	11,506 53	Plan #1	MWD

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	7,118 53	B/Target		1 69	86 75
	7,155 00	2nd Bone Spring Lime		1 69	86 75
415 00	415 00	Salado		1 69	86 75
1,125 00	1,125 00	Tansil Dolomite		1 69	86 75
1,280 00	1,280 00	Yates		1 69	86 75
1,610 00	1,610 00	Seven Rivers		1 69	86 75
2,035 00	2,035 00	Queen		1 69	86 75
2,745 00	2,745 00	San Andres		1 69	86 75
3,445 00	3,445 00	Delaware		1 69	86 75
5,315 00	5,315 00	Cutoff Dolomite		1 69	86 75
5,380 00	5,380 00	Bone Spring Lm		1 69	86 75
7,013 36	6,960 00	1st Bone Spring Ss		1 69	86 75
7,013 36	6,960 00	1st Bone Spring Upper Ss		1 69	86 75
7,085 51	7,005 00	1st Bone Spring Middle Ss		1 69	86 75
7,197 76	7,060 00	1st Bone Spring Middle B Ss		1 69	86 75
7,289 05	7,090 00	1st Bone Spring Lower Ss		1 69	86 75
7,327 85	7,098 53	T/Target		1 69	86 75
7,426 60	7,108 53	Target Line		1 69	86 75

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
Turquoise PWU 27 8H / BHL	7,245 00	262 38	4,618 05	Point

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North Reference Sheet for Turquoise PWU 27 - Turquoise PWU 27 8H - Wellbore #1

All data is in US Feet unless otherwise stated Directions and Coordinates are relative to Grid North Reference

Vertical Depths are relative to GL 3302 50' + KB 25 00' @ 3327 50ft (Cactus 126) Northing and Easting are relative to Turquoise PWU 27 8H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is -104 33°, Longitude Origin 0° 0' 0 000 E°, Latitude Origin 0° 0' 0 000 N°

False Easting 541,337 50ft, False Northing 0 00ft, Scale Reduction 0 99991661

Grid Coordinates of Well 591,403 28 ft N, 622,346 44 ft E

Geographical Coordinates of Well 32° 37' 31 95" N, 104° 04' 12 73" W

Grid Convergence at Surface is 0 14°

Based upon Minimum Curvature type calculations, at a Measured Depth of 11,506 60ft

the Bottom Hole Displacement is 4,625 50ft in the Direction of 86 75° (Grid)

Magnetic Convergence at surface is -7 68° (8 May 2012, , BGGM2011)

