

RECEIVED

JUL 20 2012

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

NMOC D ARTESIA

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 30-015-40510	² Pool Code 49622	³ Pool Name PARKWAY; BONE SPRING
⁴ Property Code 38555	⁵ Property Name CORAL PWU "28"	
⁶ OGRID No. 6137	⁷ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁸ Well Number 8H
		⁹ Elevation 3277.7

Surface Location

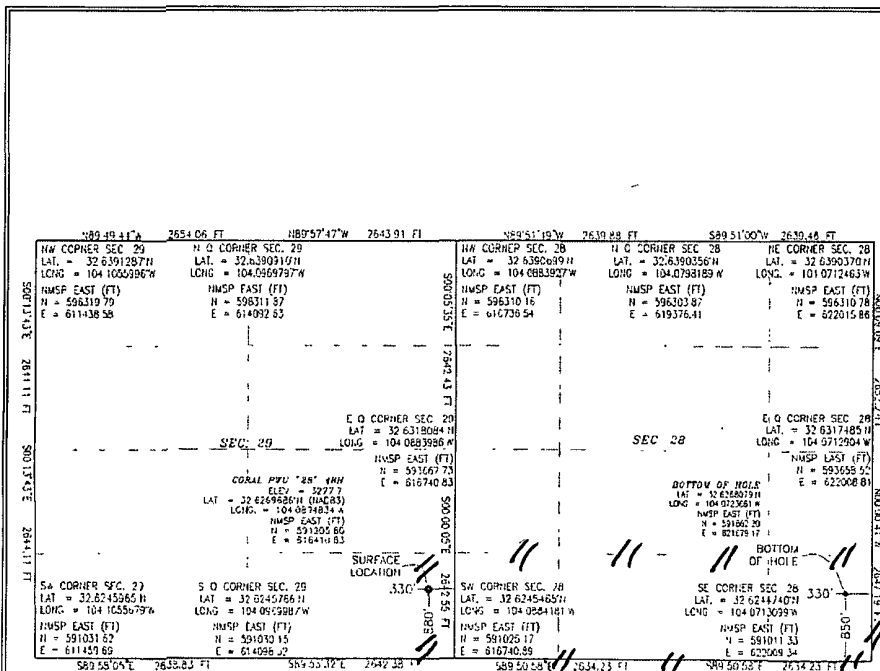
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	19 S	29 E		880	SOUTH	330	EAST	EDDY

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	28	19 S	29 E		850	SOUTH	330	EAST	EDDY

¹² Dedicated Acres 200	¹¹ Joint or Infill	¹³ Consolidation Code	¹⁴ 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 leased 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

7/19/2012
Date

Printed Name

David H. Cook

Regulatory Specialist

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.

MARCH 27, 2012

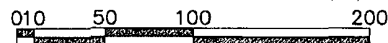
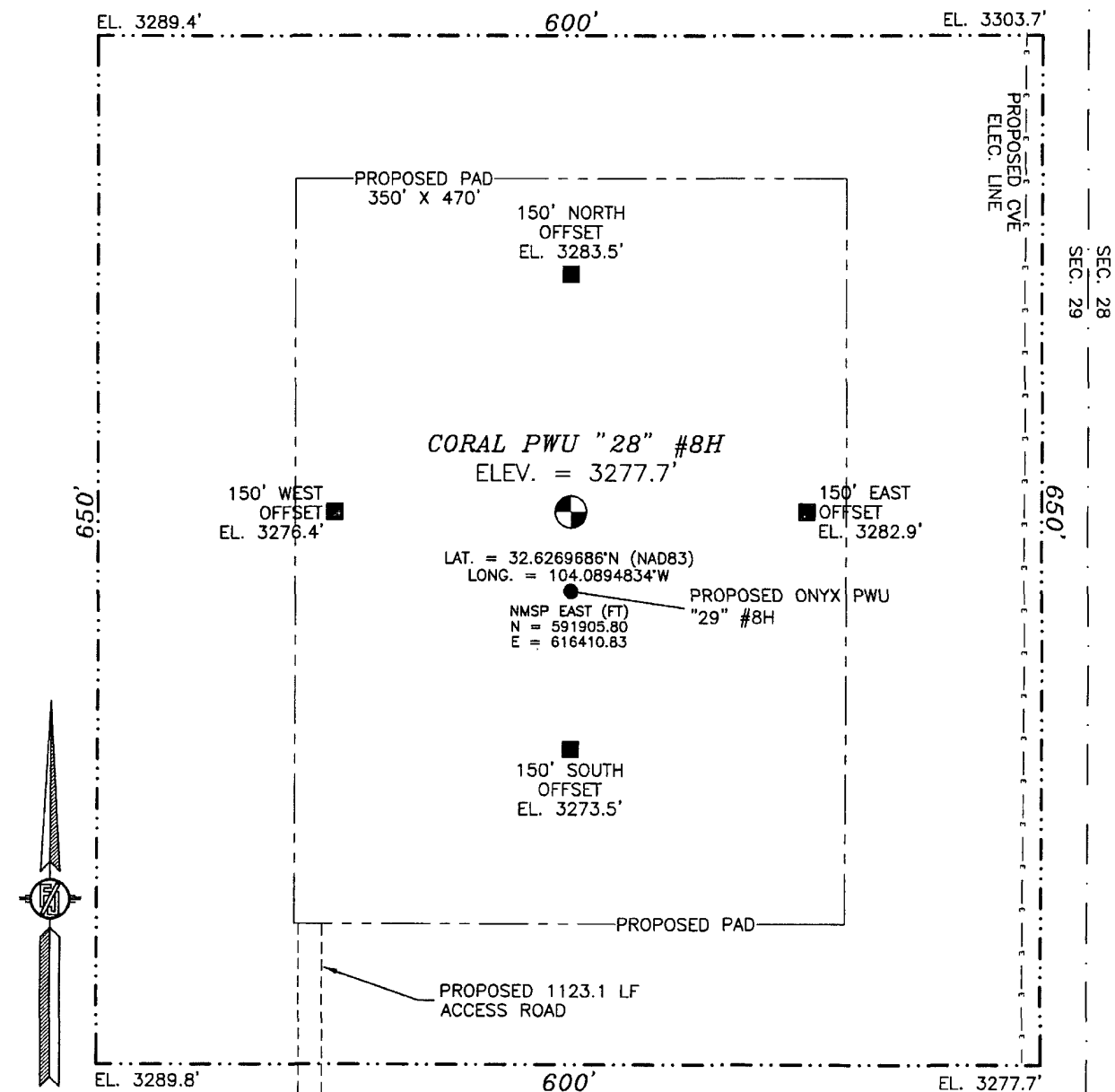
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor

Certificate Number: ELLIOTT, BERNARD, PLS 12797

SURVEY NO 953

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



SCALE 1" = 100'
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF Cr 210 (OLD LOCO) AND Cr 235 (CURRY COMB) GO NORTHWEST FOR APPROX. 1.6 MILES. GO SOUTH ON LEASE ROAD (YELLOW CATTLE GUARD) FOR APPROX. 2.3 MILES. GO SOUTHEAST APPROX. 1 MILE. GO NORTH ON LEASE ROAD FOR APPROX. 0.8 OF A MILE. LOCATION IS APPROX. 0.2 MILES NORTH.

DEVON ENERGY PRODUCTION COMPANY, L.P.

CORAL PWU "28" #8H

LOCATED 880 FT. FROM THE SOUTH LINE
AND 330 FT. FROM THE EAST LINE OF
SECTION 29, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 27, 2012

SURVEY NO. 953

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

[illegible]

NOT TO SCALE

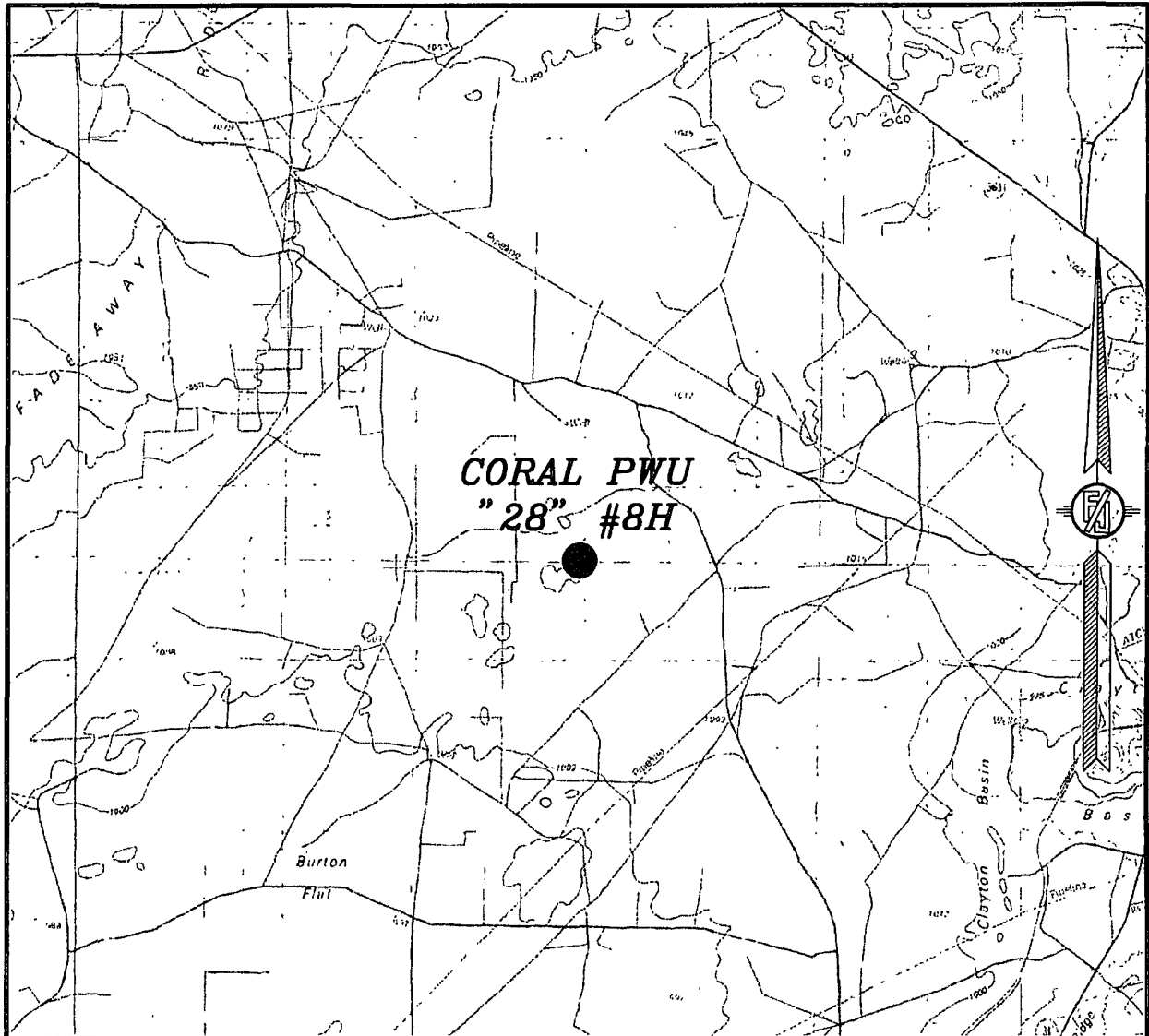
LOCATED 880 FT. FROM THE "SOUTH LINE"
AND 330 FT. FROM THE EAST LINE OF
SECTION 29, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

SURVEY NO. 953

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

301 SOUTH CANAL
(575) 234-3341

SECTION 29, 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.

CORAL PWU "28" #8H

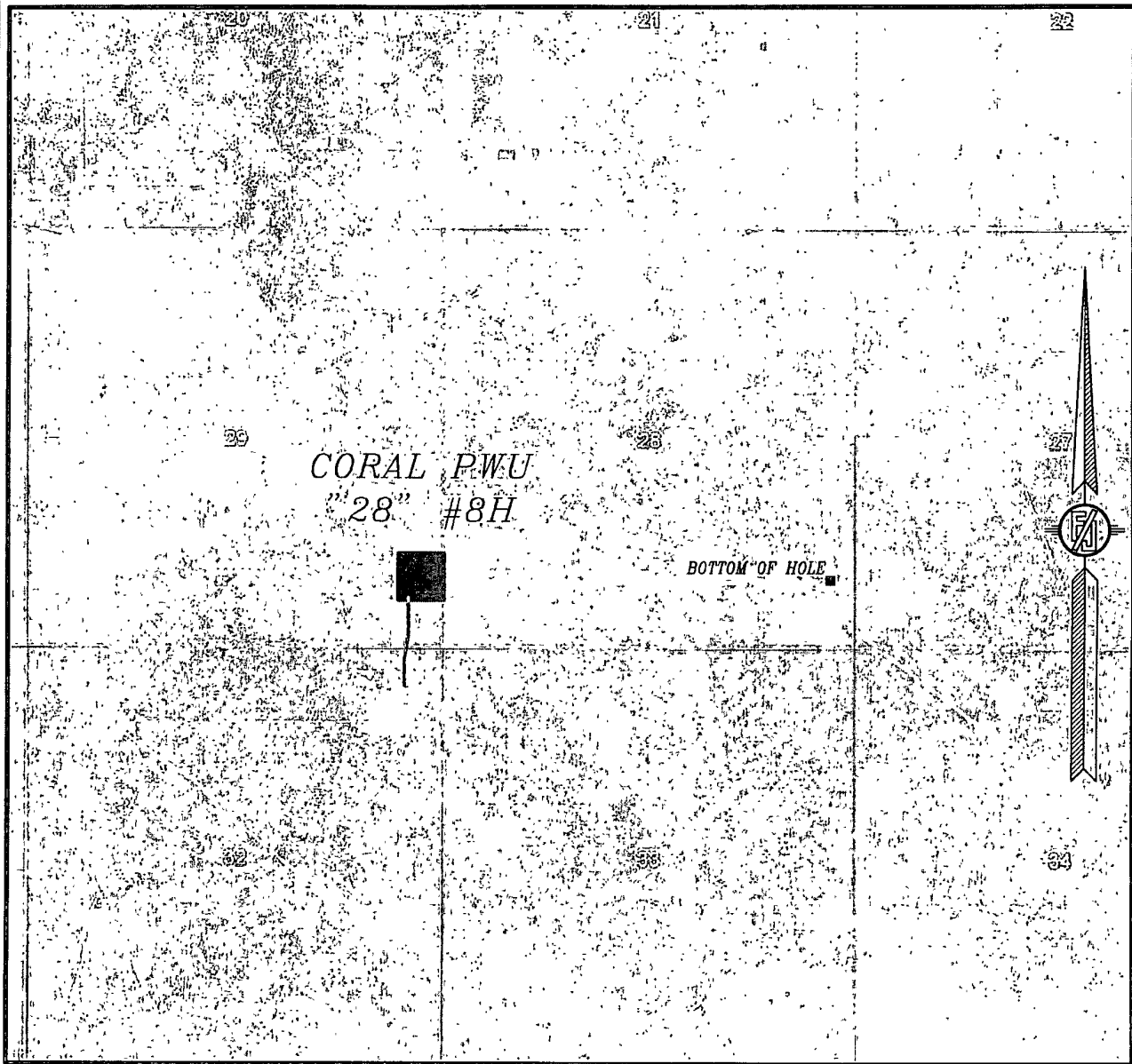
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SECTION 29, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 27, 2012

SURVEY NO. 953

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

SECTION 29, 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.

CORAL PWU "28" #8H

LOCATED 880 FT. FROM THE SOUTH LINE
AND 330 FT. FROM THE EAST LINE OF
SECTION 29, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MARCH 27, 2012

SURVEY NO. 953

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: Coral PWU 28
Well: Coral PWU 28 8H
Wellbore: Wellbore #1
Plan: Plan #1
Rig: Cactus 126

SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: GL 3277.7' + 25'KB @ 3302.70ft (Cactus 126)
Northing **Easting** **Latitude** **Longitude**
 591905.80 616410.83 32° 37' 37.064 N 104° 5' 22.122 W

CASING DETAILS

TVD	MD	Name
300.00	300.00	Surface Csg
3200.00	3200.00	Intermediate Csg
7060.00	12117.12	Production Csg

SECTION DETAILS

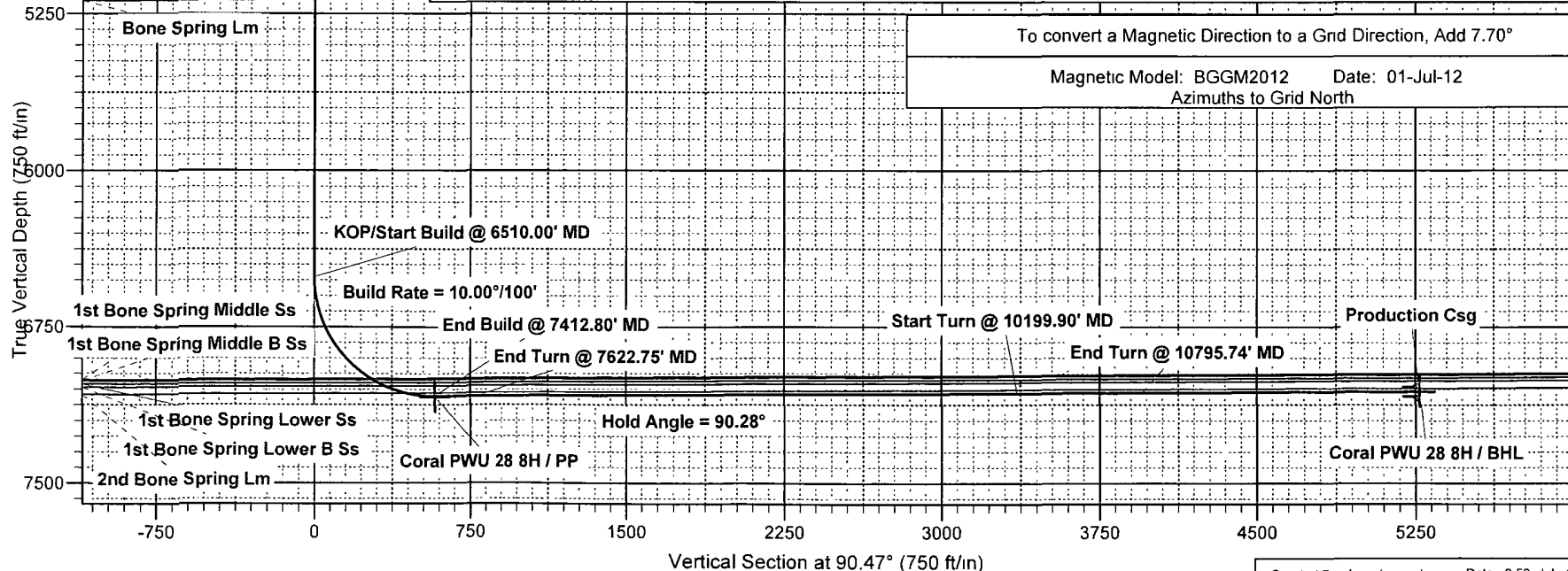
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6510.00	0.00	0.00	6510.00	0.00	0.00	0.00	0.00	0.00	KOP/Start Build
7412.80	90.28	90.47	7082.95	-4.72	575.74	10.00	90.47	575.76	End Build
7622.75	90.28	93.62	7081.93	-12.21	785.53	1.50	90.07	785.60	End Turn
10199.90	90.28	93.62	7069.52	-174.90	3357.51	0.00	0.00	3358.84	Start Turn
10795.74	90.29	84.68	7066.59	-166.08	3952.67	1.50	-89.91	3953.91	End Turn
12117.12	90.29	84.68	7060.00	-43.60	5268.34	0.00	0.00	5268.52	TD

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Coral PWU 28 8H / BHL	7060.00	-43.60	5268.34	591862.20	621679.17	32° 37' 36.508 N	104° 4' 20.518 W
Coral PWU 28 8H / PP	7085.00	-1.28	579.34	591904.52	616990.17	32° 37' 37.038 N	104° 5' 15.348 W

To convert a Magnetic Direction to a Grd Direction, Add 7.70°

Magnetic Model: BGGM2012 Date: 01-Jul-12
 Azimuths to Grid North



Created By Irma Lecumberry Date 8 52, July 10 2012



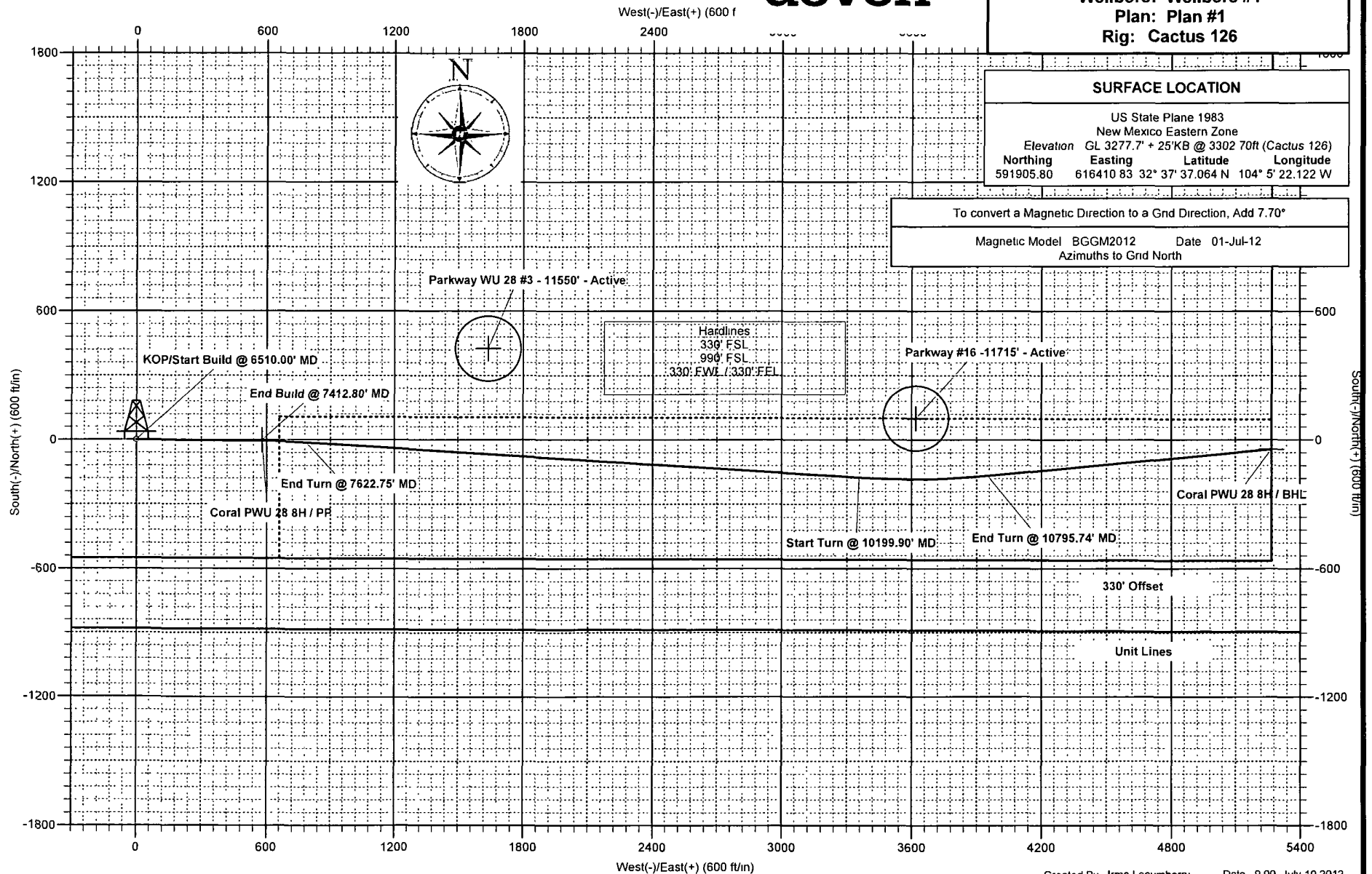
Project: Eddy County, NM (NAD 83)
 Site: Coral PWU 28
 Well: Coral PWU 28 8H
 Wellbore: Wellbore #1
 Plan: Plan #1
 Rig: Cactus 126

SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation GL 3277.7' + 25'KB @ 3302 70ft (Cactus 126)
 Northing Easting Latitude Longitude
 591905.80 616410.83 32° 37' 37.064 N 104° 5' 22.122 W

To convert a Magnetic Direction to a Gnd Direction, Add 7.70°

Magnetic Model BGGM2012 Date 01-Jul-12
 Azimuths to Gnd North



Devon Energy Corporation

Eddy County, NM (NAD 83)

Coral PWU 28

Coral PWU 28 8H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services Proposal Report

10 July, 2012

Well Coordinates: 591,905 80 N, 616,410 83 E (32° 37' 37 06" N, 104° 05' 22 12" W)
Ground Level: 3,277 70 ft

Local Coordinate Origin	Centered on Well Coral PWU 28 8H
Viewing Datum	GL 3277 7' + 25'KB @ 3302.70ft (Cactus 126)
TVDs to System	N
North Reference	Grid
Unit System	API - US Survey Feet

Version 2003 16 Build 431

HALLIBURTON

Plan Report for Coral PWU 28 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
25 00	0 00	0 00	25 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Rustler										
300 00	0 00	0 00	300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Surface Csg										
350 00	0 00	0 00	350 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Salado										
1,070 00	0 00	0 00	1,070 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Tansil Dolomite										
1,220 00	0 00	0 00	1,220 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Yates										
1,510 00	0 00	0 00	1,510 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Seven Rivers										
2,250 00	0 00	0 00	2,250 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Queen										
2,590 00	0 00	0 00	2,590 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
San Andres										
3,200 00	0 00	0 00	3,200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Intermediate Csg										
3,295 00	0 00	0 00	3,295 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Delaware										
5,055 00	0 00	0 00	5,055 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Cutoff Dolomite										
5,180 00	0 00	0 00	5,180 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Bone Spring Lm										
6,510 00	0 00	0 00	6,510 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
KOP/Start Build @ 6510.00' MD										
6,510 01	0 00	90 47	6,510.01	0 00	0 00	0 00	0 00	0 00	0 00	90 47
Build Rate = 10.00°/100'										
6,600 00	9 00	90 47	6,599 63	-0.06	7 05	7 05	10 00	10 00	0 00	90 47
6,700 00	19 00	90 47	6,696 54	-0.26	31 21	31 22	10 00	10 00	0 00	0 00
6,800 00	29 00	90 47	6,787 78	-0.59	71 84	71 84	10 00	10 00	0 00	0 00
6,900 00	39 00	90 47	6,870 57	-1.05	127 68	127 69	10 00	10 00	0 00	0 00
7,000 00	49 00	90 47	6,942 42	-1.62	197 06	197 06	10 00	10 00	0 00	0 00
7,095 26	58 53	90 47	6,998 66	-2.25	273 80	273 81	10 00	10 00	0 00	0 00
1st Bone Spring Middle Ss										
7,100 00	59 00	90 47	7,001 12	-2.28	277 85	277 86	10 00	10 00	0 00	0 00
7,104 89	59 49	90 47	7,003 62	-2.31	282 06	282 07	10 00	10.00	0 00	0 00
1st Bone Spring Middle B Ss										
7,135 59	62 56	90 47	7,018 49	-2.53	308 91	308 92	10 00	10 00	0 00	0 00
1st Bone Spring Lower Ss										
7,169 80	65 98	90 47	7,033 34	-2.79	339 72	339 73	10 00	10 00	0 00	0 00
1st Bone Spring Lower B Ss										
7,200 00	69 00	90 47	7,044 90	-3.02	367 62	367 63	10 00	10 00	0 00	0 00
7,278 08	76 81	90 47	7,067 84	-3.63	442 19	442 20	10 00	10 00	0 00	0 00
2nd Bone Spring Lm										
7,300 00	79 00	90 47	7,072 43	-3.80	463 62	463 63	10 00	10 00	0 00	0 00
7,400 00	89 00	90 47	7,082 87	-4.62	562 94	562 96	10 00	10 00	0 00	0 00
7,412 80	90 28	90 47	7,082 95	-4.72	575 74	575 76	10 00	10 00	0 00	0 00
End Build @ 7412.80' MD										
7,412 81	90 28	90 47	7,082 95	-4.72	575 75	575 77	0 00	0 00	0 00	0 00
Hold Angle = 90.28°										
7,500 00	90 28	91 78	7,082 53	-6.43	662 92	662 95	1 50	0 00	1 50	90 07
7,600 00	90 28	93 28	7,082 04	-10.84	762 82	762 88	1 50	0 00	1 50	90 07
7,622 75	90 28	93 62	7,081 93	-12.21	785 53	785 60	1 50	0 00	1 50	90 08
End Turn @ 7622.75' MD										

Plan Report for Coral PWU 28 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 (°)
7,700.00	90.28	93.62	7,081.56	-17.09	862.62	862.73	0.00	0.00	0.00	0.00
7,800.00	90.28	93.62	7,081.08	-23.40	962.42	962.58	0.00	0.00	0.00	0.00
7,900.00	90.28	93.62	7,080.60	-29.71	1,062.22	1,062.43	0.00	0.00	0.00	0.00
8,000.00	90.28	93.62	7,080.12	-36.03	1,162.02	1,162.28	0.00	0.00	0.00	0.00
8,100.00	90.28	93.62	7,079.63	-42.34	1,261.82	1,262.13	0.00	0.00	0.00	0.00
8,200.00	90.28	93.62	7,079.15	-48.65	1,361.62	1,361.97	0.00	0.00	0.00	0.00
8,300.00	90.28	93.62	7,078.67	-54.97	1,461.42	1,461.82	0.00	0.00	0.00	0.00
8,400.00	90.28	93.62	7,078.19	-61.28	1,561.22	1,561.67	0.00	0.00	0.00	0.00
8,500.00	90.28	93.62	7,077.71	-67.59	1,661.02	1,661.52	0.00	0.00	0.00	0.00
8,600.00	90.28	93.62	7,077.23	-73.90	1,760.82	1,761.37	0.00	0.00	0.00	0.00
8,700.00	90.28	93.62	7,076.74	-80.22	1,860.61	1,861.21	0.00	0.00	0.00	0.00
8,800.00	90.28	93.62	7,076.26	-86.53	1,960.41	1,961.06	0.00	0.00	0.00	0.00
8,900.00	90.28	93.62	7,075.78	-92.84	2,060.21	2,060.91	0.00	0.00	0.00	0.00
9,000.00	90.28	93.62	7,075.30	-99.15	2,160.01	2,160.76	0.00	0.00	0.00	0.00
9,100.00	90.28	93.62	7,074.82	-105.47	2,259.81	2,260.61	0.00	0.00	0.00	0.00
9,200.00	90.28	93.62	7,074.34	-111.78	2,359.61	2,360.46	0.00	0.00	0.00	0.00
9,300.00	90.28	93.62	7,073.85	-118.09	2,459.41	2,460.30	0.00	0.00	0.00	0.00
9,400.00	90.28	93.62	7,073.37	-124.40	2,559.21	2,560.15	0.00	0.00	0.00	0.00
9,500.00	90.28	93.62	7,072.89	-130.72	2,659.01	2,660.00	0.00	0.00	0.00	0.00
9,600.00	90.28	93.62	7,072.41	-137.03	2,758.81	2,759.85	0.00	0.00	0.00	0.00
9,700.00	90.28	93.62	7,071.93	-143.34	2,858.61	2,859.70	0.00	0.00	0.00	0.00
9,800.00	90.28	93.62	7,071.45	-149.66	2,958.41	2,959.55	0.00	0.00	0.00	0.00
9,900.00	90.28	93.62	7,070.96	-155.97	3,058.21	3,059.39	0.00	0.00	0.00	0.00
10,000.00	90.28	93.62	7,070.48	-162.28	3,158.01	3,159.24	0.00	0.00	0.00	0.00
10,100.00	90.28	93.62	7,070.00	-168.59	3,257.81	3,259.09	0.00	0.00	0.00	0.00
10,199.90	90.28	93.62	7,069.52	-174.90	3,357.51	3,358.84	0.00	0.00	0.00	0.00
Start Turn @ 10199.90' MD										
10,200.00	90.28	93.62	7,069.52	-174.91	3,357.61	3,358.94	0.00	0.00	0.00	0.00
10,300.00	90.28	92.12	7,069.04	-179.91	3,457.48	3,458.85	1.50	0.00	-1.50	-89.91
10,400.00	90.28	90.62	7,068.55	-182.30	3,557.44	3,558.83	1.50	0.00	-1.50	-89.92
10,500.00	90.28	89.12	7,068.06	-182.07	3,657.44	3,658.82	1.50	0.00	-1.50	-89.93
10,600.00	90.28	87.62	7,067.57	-179.22	3,757.39	3,758.75	1.50	0.00	-1.50	-89.94
10,700.00	90.28	86.12	7,067.07	-173.75	3,857.24	3,858.55	1.50	0.00	-1.50	-89.94
10,795.74	90.29	84.68	7,066.59	-166.08	3,952.67	3,953.91	1.50	0.00	-1.50	-89.95
End Turn @ 10795.74' MD										
10,800.00	90.29	84.68	7,066.57	-165.68	3,956.91	3,958.15	0.00	0.00	0.00	0.00
10,900.00	90.29	84.68	7,066.07	-156.41	4,056.48	4,057.63	0.00	0.00	0.00	0.00
11,000.00	90.29	84.68	7,065.57	-147.14	4,156.05	4,157.12	0.00	0.00	0.00	0.00
11,100.00	90.29	84.68	7,065.07	-137.87	4,255.62	4,256.61	0.00	0.00	0.00	0.00
11,200.00	90.29	84.68	7,064.58	-128.61	4,355.18	4,356.10	0.00	0.00	0.00	0.00
11,300.00	90.29	84.68	7,064.08	-119.34	4,454.75	4,455.59	0.00	0.00	0.00	0.00
11,400.00	90.29	84.68	7,063.58	-110.07	4,554.32	4,555.08	0.00	0.00	0.00	0.00
11,500.00	90.29	84.68	7,063.08	-100.80	4,653.89	4,654.56	0.00	0.00	0.00	0.00
11,600.00	90.29	84.68	7,062.58	-91.53	4,753.46	4,754.05	0.00	0.00	0.00	0.00
11,700.00	90.29	84.68	7,062.08	-82.26	4,853.03	4,853.54	0.00	0.00	0.00	0.00
11,800.00	90.29	84.68	7,061.58	-72.99	4,952.59	4,953.03	0.00	0.00	0.00	0.00
11,900.00	90.29	84.68	7,061.08	-63.72	5,052.16	5,052.52	0.00	0.00	0.00	0.00
12,000.00	90.29	84.68	7,060.58	-54.46	5,151.73	5,152.00	0.00	0.00	0.00	0.00
12,100.00	90.29	84.68	7,060.09	-45.19	5,251.30	5,251.49	0.00	0.00	0.00	0.00
12,117.12	90.29	84.68	7,060.00	-43.60	5,268.34	5,268.52	0.00	0.00	0.00	0.00

Plan Report for Coral PWU 28 8H - Plan #1

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,510 00	6,510 00	0 00	0 00	KOP/Start Build @ 6510 00' MD
6,510 01	6,510 01	0 00	0 00	Build Rate = 10 00°/100'
7,412 80	7,082 95	-4 72	575 74	End Build @ 7412 80' MD
7,412 81	7,082 95	-4 72	575 75	Hold Angle = 90 28°
7,622 75	7,081 93	-12 21	785 53	End Turn @ 7622 75' MD
10,199 90	7,069 52	-174 90	3,357 51	Start Turn @ 10199 90' MD
10,795 74	7,066 59	-166 08	3,952 67	End Turn @ 10795 74' MD
12,117 12	7,060 00	-43 60	5,268 34	TD @ 12117 12' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
TD	No Target (Freehand)	90 47	Slot	0 00	0 00	0 00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0 00	12,116 54	Plan #1	MWD

Casing Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
300 00	300 00	Surface Csg	13-3/8	17-1/2
3,200 00	3,200 00	Intermediate Csg	9-5/8	12-1/4
12,117 12	7,060 00	Production Csg	5-1/2	8-3/4

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	7,675 00	2nd Bone Spring Ss		-0 28	90 47
25 00	25 00	Rustler		-0 28	90 47
350 00	350 00	Salado		-0 28	90 47
1,070 00	1,070 00	Tansil Dolomite		-0 28	90 47
1,220 00	1,220 00	Yates		-0 28	90 47
1,510 00	1,510 00	Seven Rivers		-0 28	90 47
2,250 00	2,250 00	Queen		-0 28	90 47
2,590 00	2,590 00	San Andres		-0 28	90 47
3,295 00	3,295 00	Delaware		-0 28	90 47
5,055 00	5,055 00	Cutoff Dolomite		-0 28	90 47
5,180 00	5,180 00	Bone Spring Lm		-0 28	90 47
7,095 26	7,000 00	1st Bone Spring Middle Ss		-0 28	90 47
7,104 89	7,005 00	1st Bone Spring Middle B Ss		-0 28	90 47
7,135 59	7,020 00	1st Bone Spring Lower Ss		-0 28	90 47
7,169 80	7,035 00	1st Bone Spring Lower B Ss		-0 28	90 47
7,278 08	7,070 00	2nd Bone Spring Lm		-0 28	90 47

Plan Report for Coral PWU 28 8H - Plan #1

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
Parkway #16 -11715' - Active	11,715 00	100 73	3,619 73	Circle
Coral PWU 28 8H / PP	7,085 00	-1 28	579 34	Point
Coral PWU 28 8H / BHL	7,060 00	-43.60	5,268 34	Point
Parkway WU 28 #3 - 11550' - Active	11,550 00	425 94	1,638 99	Circle

North Reference Sheet for Coral PWU 28 - Coral PWU 28 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 3277 7' + 25'KB @ 3302 70ft (Cactus 126) Northing and Easting are relative to Coral PWU 28 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 99991554

Grid Coordinates of Well 591,905 80 ft N, 616,410 83 ft E

Geographical Coordinates of Well 32° 37' 37 06" N, 104° 05' 22 12" W

Grid Convergence at Surface is 0 13°

Based upon Minimum Curvature type calculations, at a Measured Depth of 12,117 12ft

the Bottom Hole Displacement is 5,268 52ft in the Direction of 90 47° (Grid)

Magnetic Convergence at surface is -7 70° (1 July 2012, , BGGM2012)

