

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

RECEIVED

JUL 23 2012

Form C-102

Revised October 15, 2009

Submit the copy to appropriate

District Office

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number 30-015-40509		² Pool Code 49622		³ Pool Name Parkway, Bone Springs	
⁴ Property Code		⁵ Property Name CORAL PWU "28"			⁶ Well Number 5H
⁷ OGRID No. 6137		⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			⁹ Elevation 3323.0

¹⁰ Surface Location									
UL or lot no. D	Section 28	Township 19 S	Range 29 E	Lot Idn	Feet from the 205	North/South line NORTH	Feet from the 185	East/West line WEST	County EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. A	Section 28	Township 19 S	Range 29 E	Lot Idn	Feet from the 330	North/South line NORTH	Feet from the 330	East/West line EAST	County 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.

¹⁶ 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 <i>Melanie Crawford</i>	Date 7/20/12
¹⁷ 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.	
Date of Survey APRIL 30, 2012 Signature and Seal of Professional Surveyor <i>[Signature]</i> Certificate Number FILEMONY JARRIN LLO PLS 12797 NEW MEXICO LAND SURVEYORS SURVEY NO 948	

WELL LOCATION AND ACREAGE DEDICATION PLAT

SURFACE LOCATION

CORAL PWU "28" #5H

ELEV. = 3323.0

LAT. = 32.6385040°N (NAD83)

LONG. = 104.0877924°W

NMSP EAST (FT)

N = 596106.01

E = 616920.17

BOTTOM OF HOLE

LAT. = 32.6321300°N

LONG. = 104.0723236°W

NMSP EAST (FT)

N = 595981.27

E = 622012.94

W O CORNER SEC. 28

LAT. = 32.6318084°N

LONG. = 104.0883986°W

NMSP EAST (FT)

N = 593889.64

E = 610739.19

E O CORNER SEC. 28

LAT. = 32.6317485°N

LONG. = 104.0712904°W

NMSP EAST (FT)

N = 593660.44

E = 622005.89

SW CORNER SEC. 28

LAT. = 32.6245465°N

LONG. = 104.0884121°W

NMSP EAST (FT)

N = 591027.73

E = 616739.26

SE CORNER SEC. 28

LAT. = 32.6244740°N

LONG. = 104.0713099°W

NMSP EAST (FT)

N = 591013.90

E = 622006.42

NE CORNER SEC. 28

LAT. = 32.6390370°N

LONG. = 104.0712463°W

NMSP EAST (FT)

N = 596312.05

E = 622012.94

N O CORNER SEC. 28

LAT. = 32.6390356°N

LONG. = 104.0798189°W

NMSP EAST (FT)

N = 596305.14

E = 619374.13

NW CORNER SEC. 28

LAT. = 32.6390699°N

LONG. = 104.0883927°W

NMSP EAST (FT)

N = 596311.43

E = 616734.90

W O CORNER SEC. 28

LAT. = 32.6318084°N

LONG. = 104.0883986°W

NMSP EAST (FT)

N = 593889.64

E = 610739.19

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LONG. = 104.0798189°W

NMSP EAST (FT)

N = 596305.14

E = 619374.13

NW CORNER SEC. 28

LAT. = 32.6390699°N

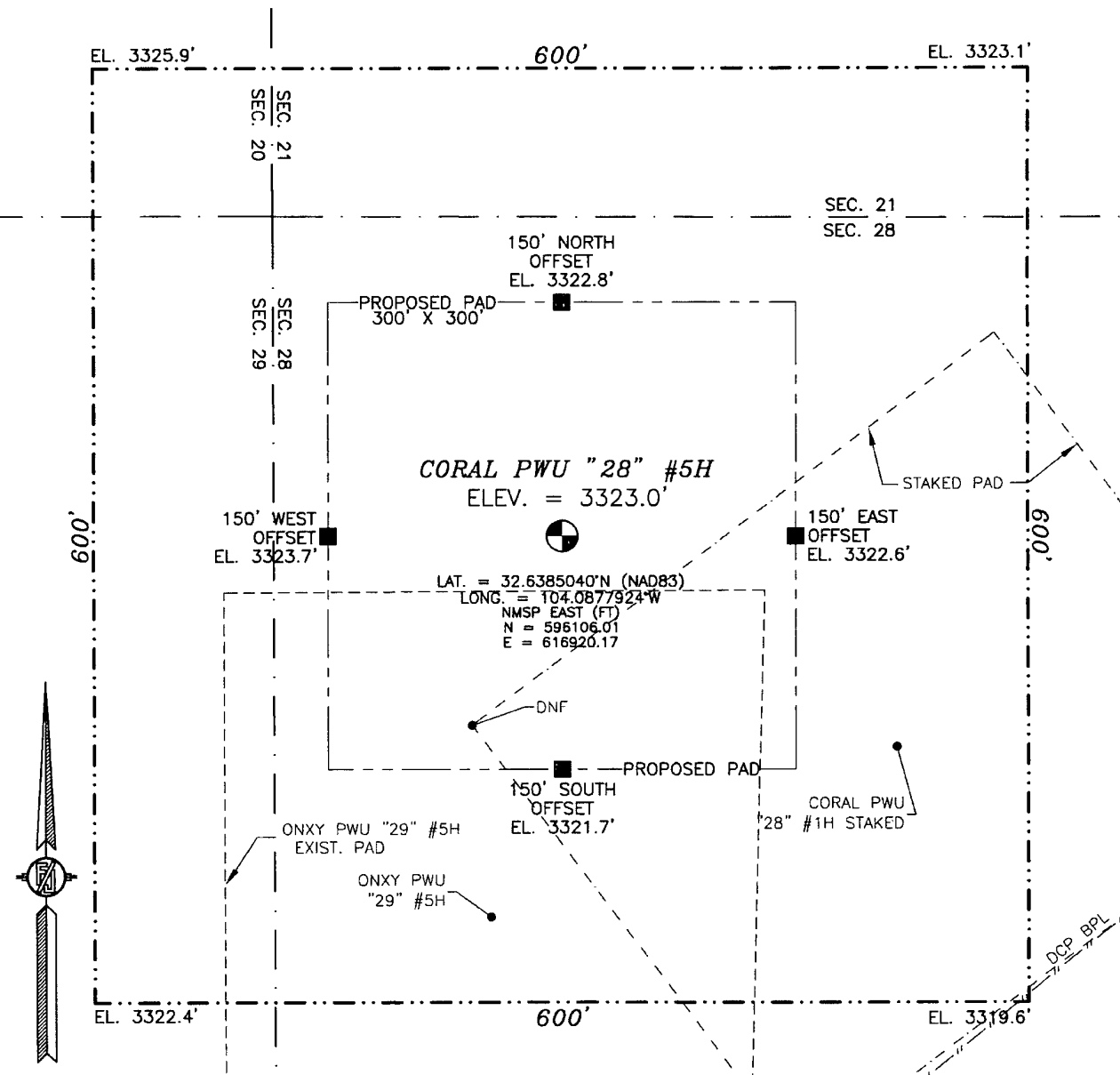
LONG. = 104.0883927°W

NMSP EAST (FT)

N = 596311.43

E = 616734.90

SECTION 28, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



010 50 100 200

SCALE 1" = 100'
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CR 210 (OLD LOGO) AND CR 235 (CURRY COMB) GO SOUTHEAST ON CR 235 FOR APPROX. 0.2 OF A MILE. GO SOUTH-SOUTHEAST (AT DEVON PARKWAY SIGN) FOR APPROX. 1 MILE. GO WEST APPROX. 0.5 OF A MILE. VEER SOUTHWEST AND GO APPROX. 0.4 OF A MILE TO THE ONYX PWU "29" #5H WELL. LOCATION IS APPROX. 250 FT NORTH-NORTHEAST OF WELL HEAD.

DEVON ENERGY PRODUCTION COMPANY, L.P.

CORAL PWU "28" #5H

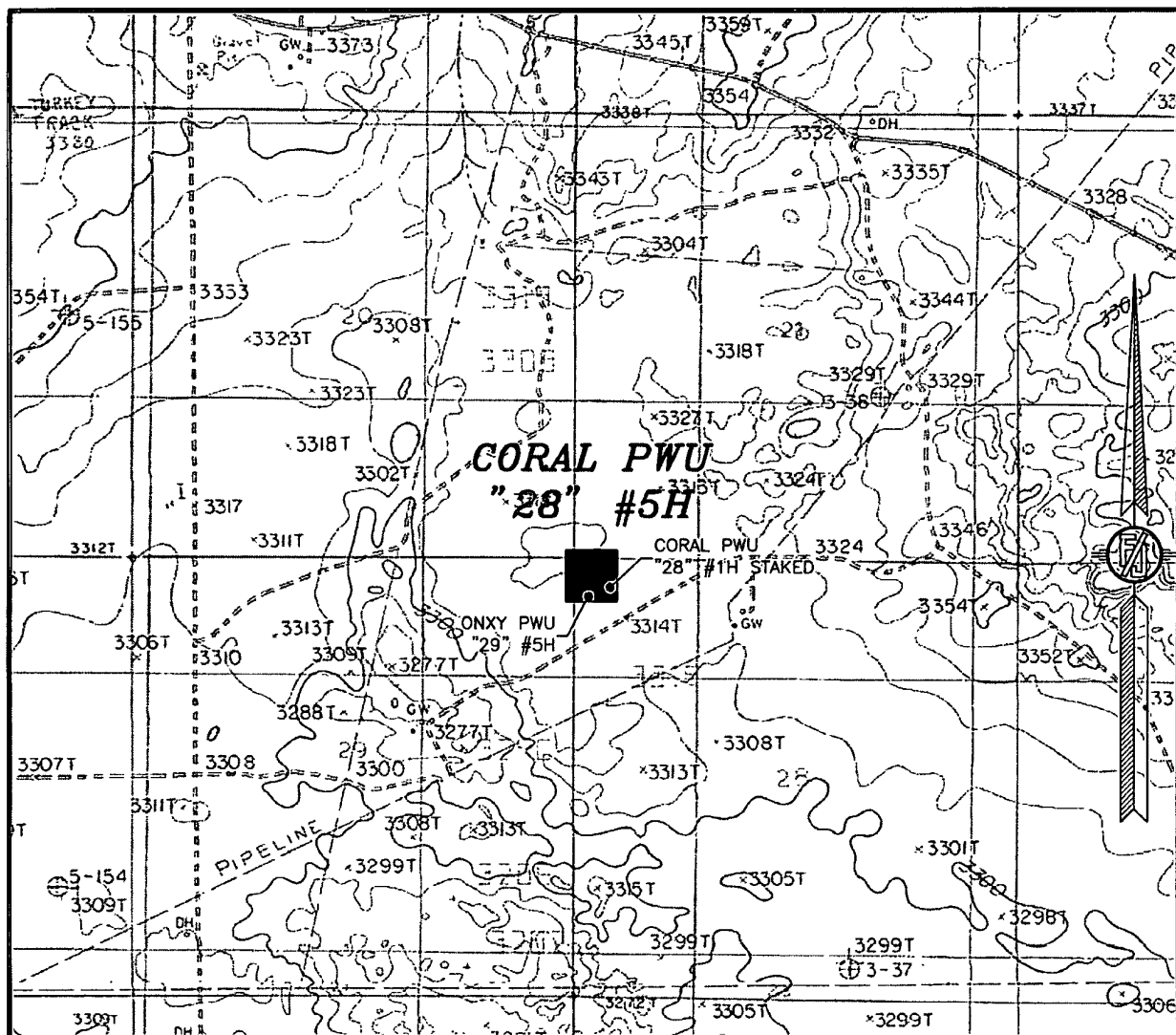
LOCATED 205 FT. FROM THE NORTH LINE
AND 185 FT. FROM THE WEST LINE OF
SECTION 28, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

APRIL 30, 2012

SURVEY NO. 948

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

SECTION 28, 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.

CORAL PWU "28" #5H

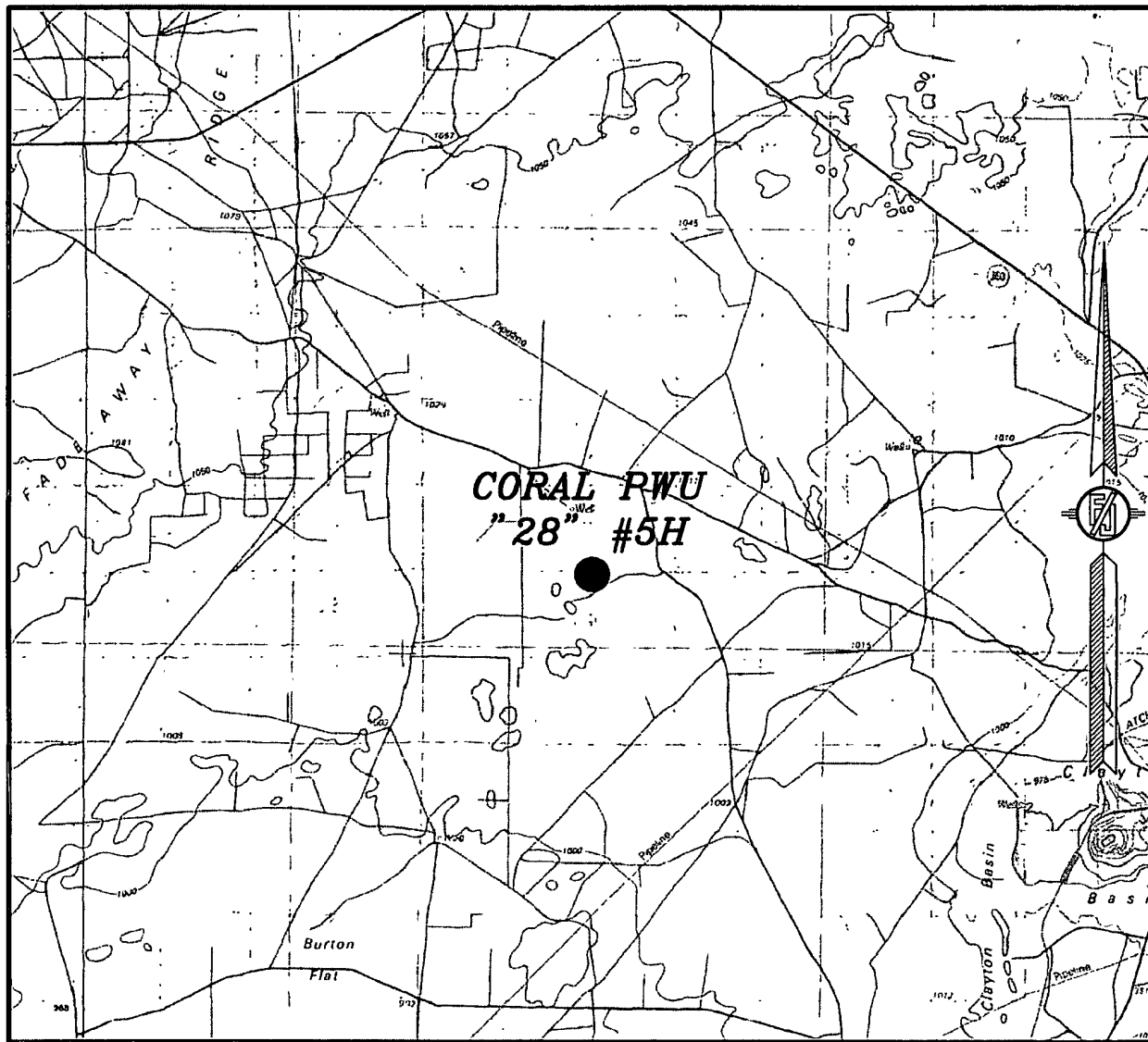
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 AND 185 FT. FROM THE WEST LINE OF
 SECTION 28, TOWNSHIP 19 SOUTH,
 RANGE 29 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

APRIL 30, 2012

SURVEY NO. 948

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

SECTION 28, 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" #5H

LOCATED 205 FT. FROM THE NORTH LINE
AND 185 FT. FROM THE WEST LINE OF
SECTION 28, TOWNSHIP 19 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

APRIL 30, 2012

SURVEY NO. 948

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

RECEIVED

JUL 23 2012

Devon Energy Corporation

HALLIBURTON | Sperry Drilling

NMOCD ARTESIA

devon

Project: Eddy County, NM (NAD 83)
 Site: Coral PWU 28
 Well: Coral PWU 28 5H
 Wellbore: Wellbore #1
 Plan: Plan #1
 Rig: Cactus 126

SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: GL 3323' + 25' KB @ 3348 00ft (Cactus 126)
 Northing Easting Latitude Longitude
 596106.01 616920.17 32° 38' 18.615 N 104° 5' 16.053 W

CASING DETAILS

TVD	MD	Name
300.00	300.00	Surface Csg
3300.00	3300.00	Intermediate Csg
7030.00	11468.82	Production Csg

SECTION DETAILS

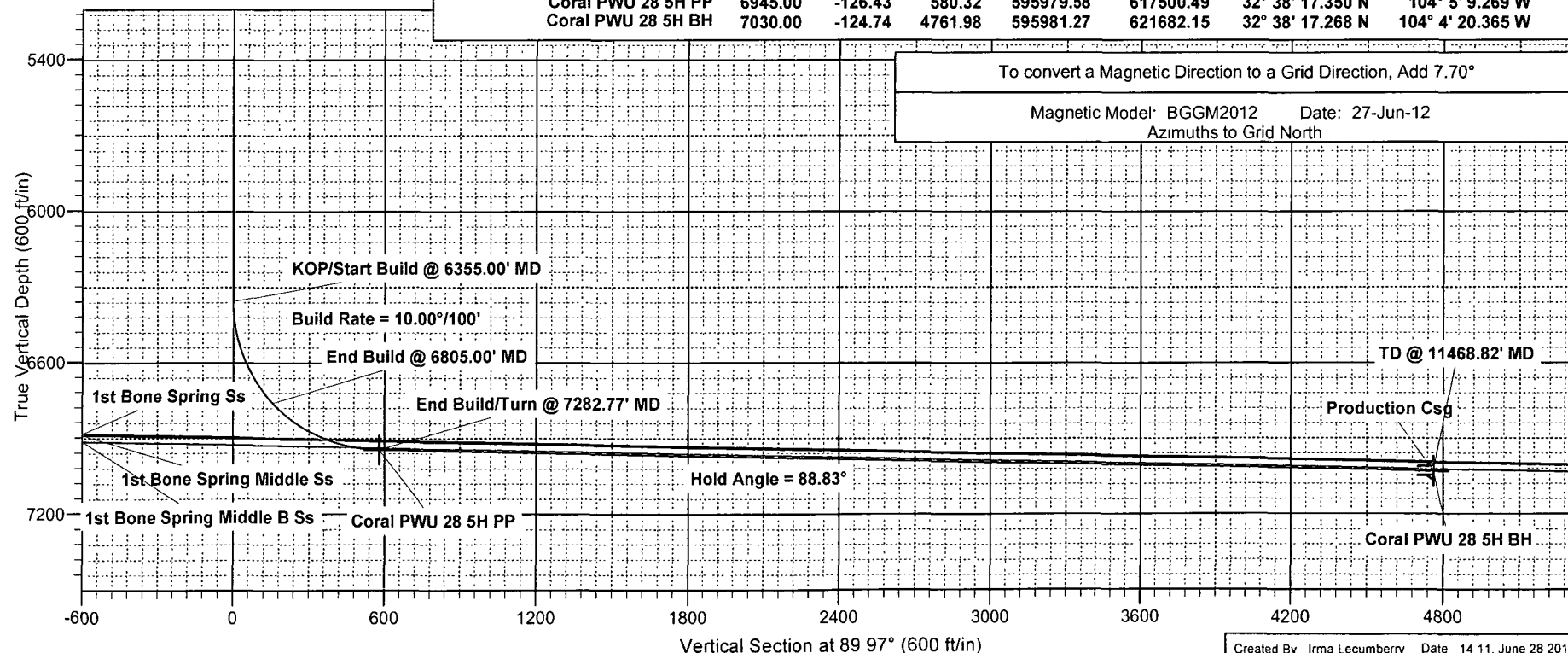
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6355.00	0.00	0.00	6355.00	0.00	0.00	0.00	0.00	0.00	KOP/Start Build
6805.00	45.00	111.50	6760.14	-61.50	156.14	10.00	111.50	156.11	End Build
7282.77	88.83	89.97	6944.75	-127.12	576.80	10.00	-29.70	576.73	End Build/Turn
11468.82	88.83	89.97	7030.00	-124.74	4761.98	0.00	0.00	4761.91	TD

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Coral PWU 28 5H PP	6945.00	-126.43	580.32	595979.58	617500.49	32° 38' 17.350 N	104° 5' 9.269 W
Coral PWU 28 5H BH	7030.00	-124.74	4761.98	595981.27	621682.15	32° 38' 17.268 N	104° 4' 20.365 W

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

Magnetic Model: BGGM2012 Date: 27-Jun-12
 Azimuths to Grid North



Created By Irma Lecumberry Date 14 11, June 28 2012



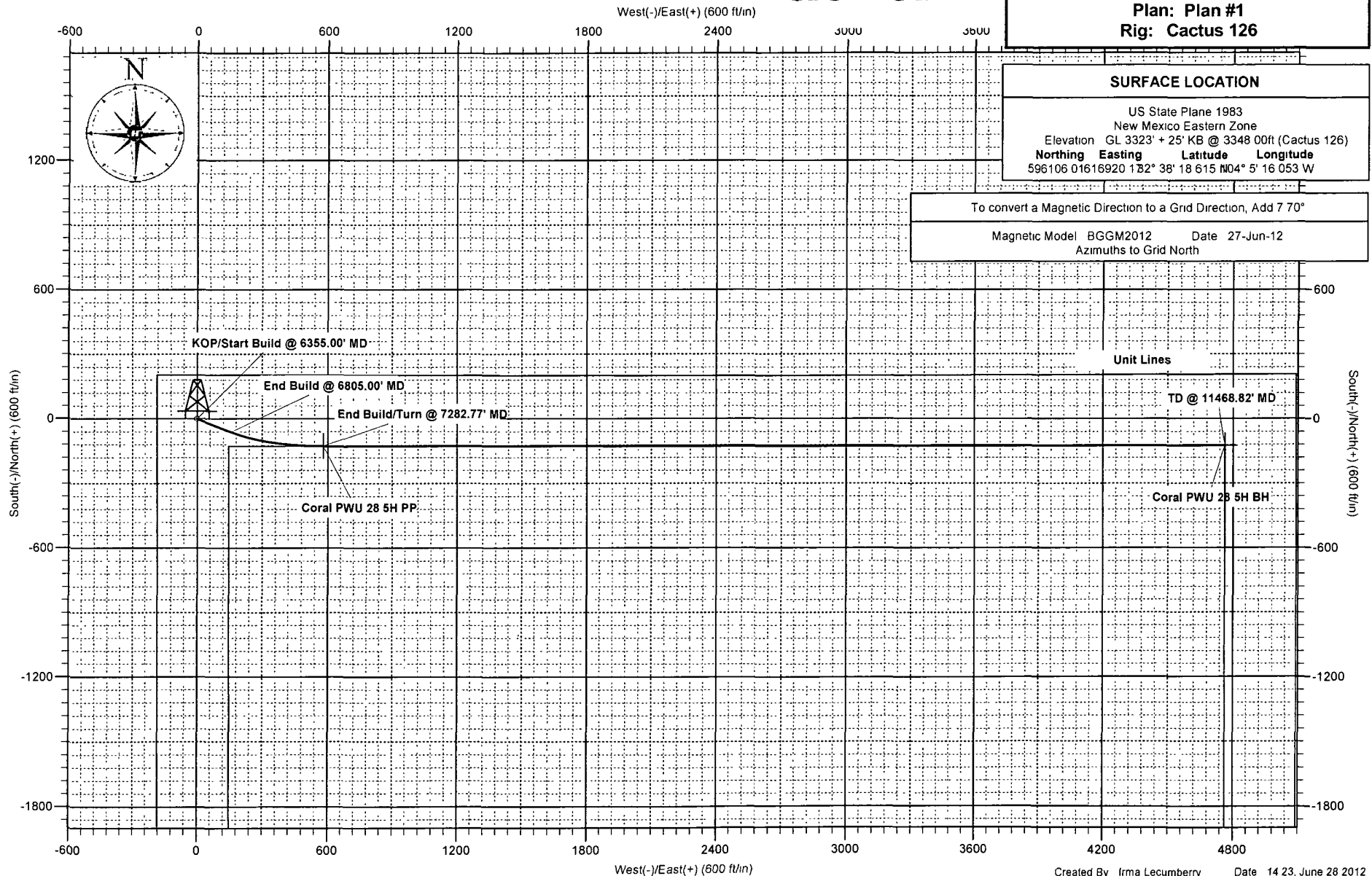
Project: Eddy County, NM (NAD 83)
 Site: Coral PWU 28
 Well: Coral PWU 28 5H
 Wellbore: Wellbore #1
 Plan: Plan #1
 Rig: Cactus 126

SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation GL 3323' + 25' KB @ 3348 00ft (Cactus 126)
 Northing Easting Latitude Longitude
 596106 01616920 182° 38' 18 615 N04° 5' 16 053 W

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

Magnetic Model BGGM2012 Date 27-Jun-12
 Azimuths to Grid North



Devon Energy Corporation

Eddy County, NM (NAD 83)

Coral PWU 28

Coral PWU 28 5H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services Proposal Report

28 June, 2012

Well Coordinates 596,106 01 N, 616,920 17 E (32° 38' 18 61" N, 104° 05' 16 05" W)
Ground Level 3,323 00 ft

Local Coordinate Origin	Centered on Well Coral PWU 28 5H
Viewing Datum	GL 3323' + 25' KB @ 3348 00ft (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 5H - 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										
410 00	0 00	0 00	410 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Salado										
1,190 00	0 00	0 00	1,190 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Tansil Dolomite										
1,370 00	0 00	0 00	1,370 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Yates										
1,620 00	0 00	0 00	1,620 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Seven Rivers										
2,020 00	0 00	0 00	2,020 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Queen										
2,820 00	0 00	0 00	2,820 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
San Andres										
3,300 00	0 00	0 00	3,300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Intermediate Csg										
3,340 00	0 00	0 00	3,340 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Delaware										
4,850 00	0 00	0 00	4,850 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Cutoff Dolomite										
5,015 00	0 00	0 00	5,015 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Bone Spring Lm										
6,355 00	0 00	0 00	6,355 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
KOP/Start Build @ 6355.00' MD - Build Rate = 10.00°/100'										
6,400 00	4 50	111 50	6,399 95	-0 65	1 64	1 64	10 00	10 00	0 00	111 50
6,500 00	14 50	111 50	6,498 46	-6 69	16 98	16 98	10 00	10 00	0 00	0 00
6,600 00	24 50	111 50	6,592 60	-18 91	48 00	47 99	10 00	10 00	0 00	0 00
6,700 00	34 50	111 50	6,679 53	-36 93	93 76	93 74	10 00	10 00	0 00	0 00
6,800 00	44 50	111 50	6,756 59	-60 21	152 86	152 83	10 00	10 00	0 00	0 00
6,805 00	45 00	111 50	6,760 14	-61 50	156 14	156 11	10 00	10 00	0 00	0 00
End Build @ 6805.00' MD										
6,900 00	53 41	105 65	6,822 18	-84 16	224 27	224 23	10 00	8 86	-6 15	-29 70
7,000 00	62.51	100 75	6,875 20	-103 32	306 72	306 66	10 00	9.10	-4 90	-25 87
7,065 93	68 60	97 96	6,902 47	-113 04	365 91	365 85	10 00	9 23	-4 23	-23 26
1st Bone Spring Ss										
7,080 87	69 98	97 36	6,907 75	-114.90	379 76	379 70	10 00	9 27	-4 00	-22 11
1st Bone Spring Middle Ss										
7,100 00	71 76	96 61	6,914 02	-117 10	397 70	397 63	10 00	9 29	-3 93	-21 90
7,183 89	79 58	93 48	6,934 77	-124 20	478 59	478 52	10 00	9 32	-3 74	-21 65
1st Bone Spring Middle B Ss										
7,200 00	81 09	92 89	6,937 48	-125 08	494 45	494 38	10 00	9 35	-3 61	-20 87
7,282 77	88 83	89 97	6,944 75	-127 12	576 80	576 73	10.00	9 36	-3 54	-20 77
End Build/Turn @ 7282.77' MD - Hold Angle = 88.83°										
7,300 00	88 83	89 97	6,945 10	-127 11	594 03	593 96	0 00	0 00	0 00	0 00
7,400 00	88 83	89 97	6,947 13	-127 06	694 01	693 94	0 00	0 00	0 00	0 00
7,500 00	88 83	89 97	6,949 17	-127 00	793 98	793 92	0 00	0 00	0 00	0 00
7,600 00	88 83	89 97	6,951 21	-126 94	893 96	893 90	0 00	0 00	0 00	0 00
7,700 00	88.83	89 97	6,953 24	-126 89	993 94	993 88	0 00	0 00	0 00	0 00
7,800 00	88 83	89 97	6,955 28	-126 83	1,093 92	1,093 86	0 00	0 00	0 00	0 00
7,900 00	88 83	89 97	6,957 32	-126.77	1,193 90	1,193 83	0 00	0 00	0 00	0 00
8,000 00	88 83	89 97	6,959 35	-126.72	1,293 88	1,293 81	0.00	0 00	0 00	0 00
8,100 00	88 83	89 97	6,961 39	-126.66	1,393 86	1,393 79	0 00	0 00	0 00	0 00
8,200 00	88 83	89 97	6,963 43	-126 60	1,493 84	1,493 77	0 00	0 00	0 00	0 00

Plan Report for Coral PWU 28 5H - 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 (°)
8,300 00	88 83	89 97	6,965 46	-126.54	1,593 82	1,593 75	0 00	0 00	0 00	0 00
8,400 00	88 83	89 97	6,967 50	-126 49	1,693 80	1,693 73	0 00	0 00	0 00	0 00
8,500 00	88 83	89 97	6,969 54	-126 43	1,793 78	1,793 71	0 00	0 00	0 00	0 00
8,600 00	88 83	89 97	6,971 57	-126 37	1,893 76	1,893 69	0 00	0 00	0 00	0 00
8,700 00	88 83	89 97	6,973 61	-126 32	1,993 74	1,993 67	0 00	0 00	0 00	0 00
8,800 00	88 83	89 97	6,975 65	-126 26	2,093 71	2,093 65	0 00	0 00	0 00	0 00
8,900 00	88 83	89 97	6,977 68	-126 20	2,193 69	2,193 63	0 00	0 00	0 00	0 00
9,000 00	88 83	89 97	6,979 72	-126 15	2,293 67	2,293 61	0 00	0 00	0 00	0 00
9,100 00	88 83	89 97	6,981 76	-126 09	2,393 65	2,393 59	0 00	0 00	0 00	0 00
9,200 00	88 83	89 97	6,983 79	-126 03	2,493 63	2,493 57	0 00	0 00	0 00	0 00
9,300 00	88 83	89 97	6,985 83	-125 97	2,593 61	2,593 54	0 00	0 00	0 00	0 00
9,400 00	88 83	89 97	6,987 87	-125 92	2,693 59	2,693 52	0 00	0 00	0 00	0 00
9,500 00	88 83	89 97	6,989 90	-125 86	2,793 57	2,793 50	0 00	0 00	0 00	0 00
9,600 00	88 83	89 97	6,991 94	-125 80	2,893 55	2,893 48	0 00	0 00	0 00	0 00
9,700 00	88 83	89 97	6,993 98	-125 75	2,993 53	2,993 46	0 00	0 00	0 00	0 00
9,800 00	88 83	89 97	6,996 01	-125 69	3,093 51	3,093 44	0 00	0 00	0 00	0 00
9,900 00	88 83	89 97	6,998 05	-125 63	3,193 49	3,193 42	0 00	0 00	0 00	0 00
10,000 00	88 83	89 97	7,000 09	-125 58	3,293 47	3,293 40	0 00	0 00	0 00	0 00
10,100 00	88 83	89 97	7,002 12	-125 52	3,393 44	3,393 38	0 00	0 00	0 00	0 00
10,200 00	88 83	89 97	7,004 16	-125.46	3,493 42	3,493 36	0 00	0 00	0 00	0 00
10,300 00	88 83	89 97	7,006 20	-125 41	3,593 40	3,593 34	0 00	0 00	0 00	0 00
10,400 00	88 83	89 97	7,008 23	-125 35	3,693 38	3,693 32	0 00	0 00	0 00	0 00
10,500 00	88 83	89 97	7,010 27	-125 29	3,793 36	3,793 30	0 00	0 00	0 00	0 00
10,600 00	88 83	89 97	7,012.31	-125 23	3,893 34	3,893 27	0 00	0 00	0 00	0 00
10,700 00	88 83	89 97	7,014 34	-125 18	3,993 32	3,993 25	0 00	0 00	0 00	0 00
10,800 00	88 83	89 97	7,016 38	-125 12	4,093 30	4,093 23	0 00	0 00	0 00	0 00
10,900 00	88 83	89 97	7,018 42	-125 06	4,193 28	4,193 21	0 00	0 00	0 00	0 00
11,000 00	88 83	89 97	7,020 45	-125 01	4,293 26	4,293 19	0 00	0 00	0 00	0 00
11,100 00	88 83	89 97	7,022 49	-124 95	4,393 24	4,393 17	0 00	0 00	0 00	0 00
11,200 00	88 83	89 97	7,024 53	-124 89	4,493.22	4,493 15	0 00	0 00	0 00	0 00
11,300 00	88 83	89 97	7,026 56	-124 84	4,593 20	4,593 13	0 00	0 00	0 00	0 00
11,400 00	88 83	89 97	7,028 60	-124.78	4,693 17	4,693 11	0 00	0 00	0 00	0 00
11,468 82	88 83	89 97	7,030 00	-124 74	4,761 98	4,761 91	0 00	0 00	0 00	0 00

TD @ 11468.82' MD

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,355.00	6,355 00	0 00	0 00	KOP/Start Build @ 6355 00' MD
6,355 00	6,355 00	0 00	0 00	Build Rate = 10 00°/100'
6,805 00	6,760 14	-61 50	156 14	End Build @ 6805 00' MD
7,282 77	6,944 75	-127 12	576 80	End Build/Turn @ 7282 77' MD
7,282 77	6,944 75	-127 12	576 80	Hold Angle = 88 83°
11,468 82	7,030 00	-124 74	4,761 98	TD @ 11468 82' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
User	No Target (Freehand)	89.97	Slot	0 00	0 00	0 00

Plan Report for Coral PWU 28 5H - Plan #1

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0 00	11,468 82	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
3,300 00	3,300 00	Intermediate Csg	9-5/8	12-1/4
11,468 82	7,030 00	Production Csg	5-1/2	8-3/4

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
25 00	25 00	Rustler		1 17	89 97
410 00	410 00	Salado		1 17	89 97
1,190 00	1,190 00	Tansil Dolomite		1 17	89 97
1,370 00	1,370 00	Yates		1 17	89 97
1,620 00	1,620 00	Seven Rivers		1 17	89 97
2,020 00	2,020 00	Queen		1 17	89 97
2,820 00	2,820 00	San Andres		1 17	89 97
3,340 00	3,340 00	Delaware		1 17	89 97
4,850 00	4,850 00	Cutoff Dolomite		1 17	89 97
5,015.00	5,015 00	Bone Spring Lm		1 17	89 97
7,065 93	6,895 00	1st Bone Spring Ss		1 17	89 97
7,080 87	6,900 00	1st Bone Spring Middle Ss		1 17	89 97
7,183 89	6,925 00	1st Bone Sprng Middle B Ss		1 17	89 97

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
Coral PWU 28 5H PP	6,945 00	-126 43	580 32	Point
Coral PWU 28 5H BH	7,030 00	-124 74	4,761 98	Point

North Reference Sheet for Coral PWU 28 - Coral PWU 28 5H - 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 3323' + 25' KB @ 3348 00ft (Cactus 126). Northing and Easting are relative to Coral PWU 28 5H.

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 0.99991563.

Grid Coordinates of Well 596,106 01 ft N, 616,920 17 ft E.

Geographical Coordinates of Well 32° 38' 18 61" N, 104° 05' 16 05" W.

Grid Convergence at Surface is 0 13°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 11,468 82ft.

the Bottom Hole Displacement is 4,763 61ft in the Direction of 91 50° (Grid).

Magnetic Convergence at surface is -7 70° (27 June 2012, BGGM2012).

