

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 30-015-39933		² Pool Code	³ Pool Name WOLFCAMP
⁴ Property Code	⁵ Property Name RIVERSAND		⁶ Well Number 1H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3068.7

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
P	36	22 S	27 E		660	SOUTH	660	EAST	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
M	36	22 S	27 E		660	SOUTH	660	WEST	EDDY

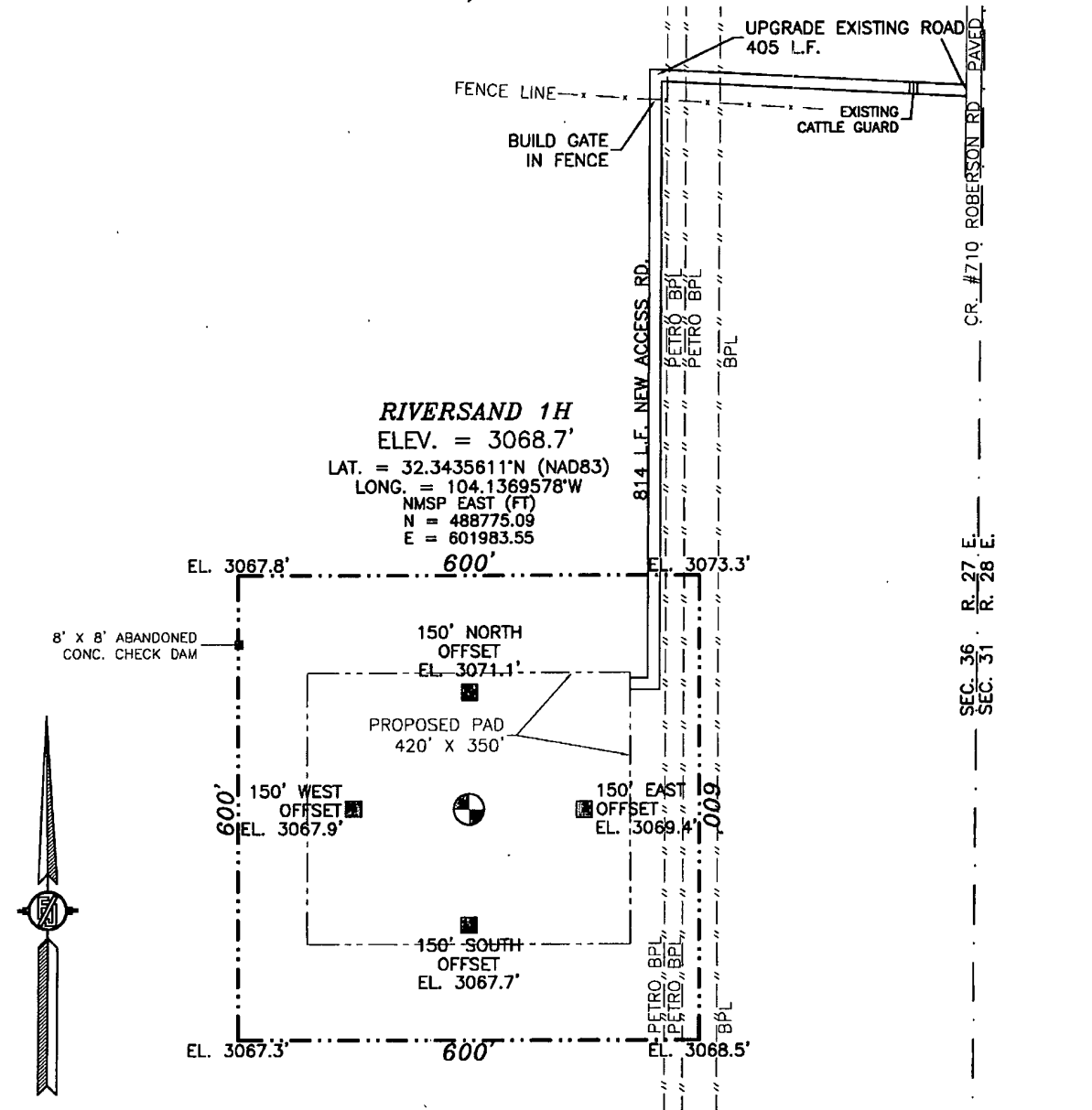
¹² Dedicated Acres 1.60	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

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.

NW CORNER SEC. 36 LAT. = 32.3563194°N LONG. = 104.1517275°W NMSP EAST (FT) N = 493408.35 E = 597414.38	NE CORNER SEC. 36 LAT. = 32.3563544°N LONG. = 104.1346852°W NMSP EAST (FT) N = 493430.43 E = 602676.75	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 unleased 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>Nancy Hunziker</i> Date: 02/13/2012 Printed Name: Nancy Hunziker, Regulatory Specialist	
W Q CORNER SEC. 36 LAT. = 32.3489663°N LONG. = 104.1519152°W NMSP EAST (FT) N = 490733.28 E = 597360.96	E Q CORNER SEC. 36 LAT. = 32.3490598°N LONG. = 104.1347367°W NMSP EAST (FT) N = 490776.64 E = 602665.77		
RIVERSAND 1H ELEV. = 3068.7 LAT. = 32.3435611°N (NAD83) LONG. = 104.1369578°W NMSP EAST (FT) N = 488775.09 E = 601983.55			
SW CORNER SEC. 36 LAT. = 32.3416132°N LONG. = 104.1521021°W NMSP EAST (FT) N = 488058.22 E = 597307.76	SE CORNER SEC. 36 LAT. = 32.3417660°N LONG. = 104.1348484°W NMSP EAST (FT) N = 488123.24 E = 602636.18		
BOTTOM OF HOLE LAT. = 32.344467°N LONG. = 104.1499179°W NMSP EAST (FT) N = 488726.38 E = 597981.17		SURFACE LOCATION LAT. = 32.3416885°N LONG. = 104.1434978°W NMSP EAST (FT) N = 488090.22 E = 599965.02	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. FEBRUARY 7, 2012 Date of Survey: 12797 Signature and Seal of Professional Surveyor: <i>John A. Jaramillo</i> Certificate Number: 12797 SURVEY NO. 817

PP: 660 FSL & 660 FEL

SECTION 36, TOWNSHIP 22 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



020 100 200 400

SCALE 1" = 200'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF DERRICK ROAD (CR 707) AND U.S. HWY 285 (PECOS HIGHWAY) GO EAST ON DERRICK ROAD 1.2 MILES, SITE IS 660 FT ON THE NORTH

DEVON ENERGY PRODUCTION COMPANY, L.P.
RIVERSAND 1H

LOCATED 660 FT. FROM THE SOUTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 36, TOWNSHIP 22 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

FEBRUARY 7, 2011

SURVEY NO. 817

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

This is a topographic map of the River Sand 1H area. The map features a grid with coordinates ranging from 3038T to 3088T vertically and 3041 to 3058 horizontally. Key features include:

- Topographic Contours:** Elevation lines are shown, with labels such as 3040, 3050, 3060, 3070, 3080, and 3090.
- Water Features:** A river labeled "RIVER SAND 1H" flows horizontally across the middle. A "Draw" is labeled near the bottom center, and a "Cass" is labeled near the bottom right.
- Landmarks and Structures:** A large black square structure is located near the center. A "Gravel Pit" is marked with a cross and labeled. A "BM 3053" (Benchmark) is located near the bottom center.
- Infrastructure:** A road or path runs diagonally from the bottom left towards the center. A dashed line labeled "WW" (Waterway) is also visible.
- Grid and Coordinates:** The map is overlaid with a grid. Vertical coordinates are labeled on the left (3038T, 3042T, 3046T, 3050T, 3054T, 3058T, 3062T, 3066T, 3070T, 3074T, 3078T, 3082T, 3086T, 3090T). Horizontal coordinates are labeled at the top (3041, 3042, 3043, 3044, 3045, 3046, 3047, 3048, 3049, 3050, 3051, 3052, 3053, 3054, 3055, 3056, 3057, 3058).
- North Arrow:** A north arrow is located in the upper right corner, pointing towards the top of the map.

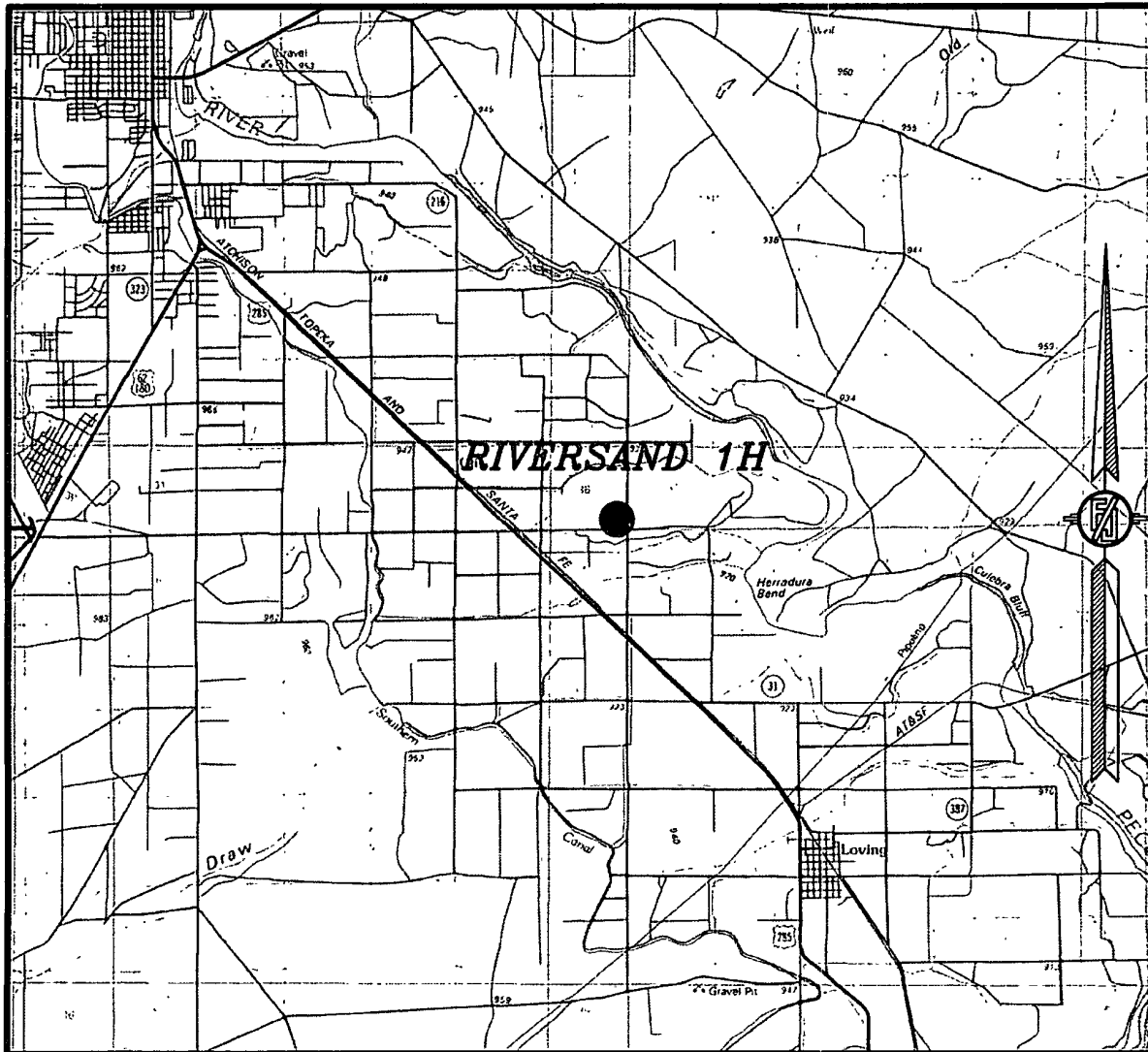
NOT TO SCALE

FEBRUARY 7, 2011

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

301 SOUTH CANAL
(575) 234-3341

SECTION 36, TOWNSHIP 22 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
RIVERSAND 1H

LOCATED 660 FT. FROM THE SOUTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 36, TOWNSHIP 22 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

FEBRUARY 7, 2011

SURVEY NO. 817

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

SECTION 36, TOWNSHIP 22 SOUTH, RANGE 27 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.
RIVERSAND 1H**

**LOCATED 660 FT. FROM THE SOUTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 36, TOWNSHIP 22 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO**

FEBRUARY 7, 2011

SURVEY NO. 817

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



Planned Wellpath Report

Prelim_1
Page 1 of 5



REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No.2H SHL
Area	Eddy County, NM	Well	No.2H
Field	(Riversand) Sec 36, T22S, R27E	Wellbore	No.2H PWB
Facility	Riversand #1H		

REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Gentbry
Scale	0.999913	Report Generated	2/13/2012 at 8:51:47 AM
Convergence at slot	0.11° East	Database/Source file	WA Midland/No.2H_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W
Facility Reference Pt			601983.55	488775.09	32°20'36.820"N	104°08'13.048"W
Field Reference Pt			601983.55	488775.09	32°20'36.820"N	104°08'13.048"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No.2H SHL (KB) to Facility Vertical Datum	26.20ft
Horizontal Reference Pt	Slot	Rig on No.2H SHL (KB) to Mean Sea Level	3094.90ft
Vertical Reference Pt	Rig on No.2H SHL (KB)	Rig on No.2H SHL (KB) to Mud Line at Slot (No.2H SHL)	26.20ft
MD Reference Pt	Rig on No.2H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	269.30°



Planned Wellpath Report

Prelim_1
Page 2 of 5



REFERENCE WELLPATH IDENTIFICATION			
Operator	Devon Energy	Slot	No.2H SHL
Area	Eddy County, NM	Well	No.2H
Field	(Riversand) Sec 36, T22S, R27E	Wellbore	No.2H PWB
Facility	Riversand #1H		

WELLPATH DATA (143 stations) † = interpolated/extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	269.303	0.00	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
26.20	0.000	269.303	26.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	Tie On
126.20†	0.000	269.303	126.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
226.20†	0.000	269.303	226.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
326.20†	0.000	269.303	326.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
426.20†	0.000	269.303	426.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
526.20†	0.000	269.303	526.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
626.20†	0.000	269.303	626.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
726.20†	0.000	269.303	726.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
826.20†	0.000	269.303	826.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
926.20†	0.000	269.303	926.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
1026.20†	0.000	269.303	1026.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
1126.20†	0.000	269.303	1126.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
1226.20†	0.000	269.303	1226.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
1326.20†	0.000	269.303	1326.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
1426.20†	0.000	269.303	1426.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
1526.20†	0.000	269.303	1526.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
1626.20†	0.000	269.303	1626.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
1726.20†	0.000	269.303	1726.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
1826.20†	0.000	269.303	1826.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
1926.20†	0.000	269.303	1926.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
2026.20†	0.000	269.303	2026.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
2126.20†	0.000	269.303	2126.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
2226.20†	0.000	269.303	2226.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
2326.20†	0.000	269.303	2326.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
2426.20†	0.000	269.303	2426.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
2526.20†	0.000	269.303	2526.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
2626.20†	0.000	269.303	2626.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
2726.20†	0.000	269.303	2726.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
2826.20†	0.000	269.303	2826.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
2926.20†	0.000	269.303	2926.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
3026.20†	0.000	269.303	3026.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
3126.20†	0.000	269.303	3126.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
3226.20†	0.000	269.303	3226.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
3326.20†	0.000	269.303	3326.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
3426.20†	0.000	269.303	3426.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
3526.20†	0.000	269.303	3526.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
3626.20†	0.000	269.303	3626.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
3726.20†	0.000	269.303	3726.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
3826.20†	0.000	269.303	3826.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
3926.20†	0.000	269.303	3926.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
4026.20†	0.000	269.303	4026.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
4126.20†	0.000	269.303	4126.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
4226.20†	0.000	269.303	4226.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
4326.20†	0.000	269.303	4326.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	



Planned Wellpath Report

Prelim_1
Page 3 of 5



REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No.2H SHL
Area	Eddy County, NM	Well	No.2H
Field	(Riversand) Sec 36, T22S, R27E	Wellbore	No.2H PWB
Facility	Riversand #1H		

WELLPATH DATA (143 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4426.20†	0.000	269.303	4426.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
4526.20†	0.000	269.303	4526.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
4626.20†	0.000	269.303	4626.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
4726.20†	0.000	269.303	4726.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
4826.20†	0.000	269.303	4826.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
4926.20†	0.000	269.303	4926.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
5026.20†	0.000	269.303	5026.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
5126.20†	0.000	269.303	5126.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
5226.20†	0.000	269.303	5226.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
5326.20†	0.000	269.303	5326.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
5426.20†	0.000	269.303	5426.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
5526.20†	0.000	269.303	5526.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
5626.20†	0.000	269.303	5626.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
5726.20†	0.000	269.303	5726.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
5826.20†	0.000	269.303	5826.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
5926.20†	0.000	269.303	5926.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
6026.20†	0.000	269.303	6026.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
6126.20†	0.000	269.303	6126.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
6226.20†	0.000	269.303	6226.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
6326.20†	0.000	269.303	6326.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
6426.20†	0.000	269.303	6426.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
6526.20†	0.000	269.303	6526.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
6626.20†	0.000	269.303	6626.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
6726.20†	0.000	269.303	6726.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
6826.20†	0.000	269.303	6826.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
6926.20†	0.000	269.303	6926.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
7026.20†	0.000	269.303	7026.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
7126.20†	0.000	269.303	7126.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
7226.20†	0.000	269.303	7226.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
7326.20†	0.000	269.303	7326.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
7426.20†	0.000	269.303	7426.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
7526.20†	0.000	269.303	7526.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
7626.20†	0.000	269.303	7626.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
7726.20†	0.000	269.303	7726.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
7826.20†	0.000	269.303	7826.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
7926.20†	0.000	269.303	7926.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
8026.20†	0.000	269.303	8026.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
8126.20†	0.000	269.303	8126.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
8226.20†	0.000	269.303	8226.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
8326.20†	0.000	269.303	8326.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
8426.20†	0.000	269.303	8426.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
8526.20†	0.000	269.303	8526.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
8626.20†	0.000	269.303	8626.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
8726.20†	0.000	269.303	8726.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
8826.20†	0.000	269.303	8826.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	



Planned Wellpath Report

Prelim_1
Page 4 of 5



REFERENCE WELLPATH IDENTIFICATION			
Operator	Devon Energy	Slot	No.2H SHL
Area	Eddy County, NM	Well	No.2H
Field	(Riversand) Sec 36, T22S, R27E	Wellbore	No.2H PWB
Facility	Riversand #1H		

WELLPATH DATA (143 stations) † = interpolated/extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8926.20†	0.000	269.303	8926.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
9026.20†	0.000	269.303	9026.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
9126.20†	0.000	269.303	9126.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
9226.20†	0.000	269.303	9226.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
9326.20†	0.000	269.303	9326.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
9426.20†	0.000	269.303	9426.20	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	
9436.00	0.000	269.303	9436.00	0.00	0.00	0.00	601983.55	488775.09	32°20'36.820"N	104°08'13.048"W	0.00	Est KOP
9526.20†	9.019	269.303	9525.83	7.08	-0.09	-7.08	601976.47	488775.00	32°20'36.819"N	104°08'13.131"W	10.00	
9626.20†	19.018	269.303	9622.73	31.28	-0.38	-31.27	601952.28	488774.71	32°20'36.817"N	104°08'13.413"W	10.00	
9726.20†	29.017	269.303	9713.95	71.93	-0.87	-71.92	601911.64	488774.22	32°20'36.813"N	104°08'13.886"W	10.00	
9826.20†	39.015	269.303	9796.74	127.80	-1.55	-127.79	601855.77	488773.54	32°20'36.807"N	104°08'14.537"W	10.00	
9926.20†	49.014	269.303	9868.56	197.19	-2.40	-197.18	601786.39	488772.69	32°20'36.800"N	104°08'15.346"W	10.00	
10026.20†	59.013	269.303	9927.25	278.01	-3.38	-277.99	601705.59	488771.71	32°20'36.792"N	104°08'16.288"W	10.00	
10126.20†	69.012	269.303	9971.01	367.78	-4.47	-367.75	601615.83	488770.62	32°20'36.782"N	104°08'17.335"W	10.00	
10226.20†	79.011	269.303	9998.52	463.79	-5.64	-463.76	601519.83	488769.45	32°20'36.773"N	104°08'18.454"W	10.00	
10326.20†	89.009	269.303	10008.94	563.12	-6.85	-563.08	601420.52	488768.24	32°20'36.762"N	104°08'19.611"W	10.00	
10330.65	89.454	269.303	10009.00	567.57	-6.90	-567.52	601416.08	488768.19	32°20'36.762"N	104°08'19.663"W	10.00	EOC
10330.86	89.450	269.303	10009.00	567.78	-6.91	-567.74	601415.86	488768.18	32°20'36.762"N	104°08'19.666"W	2.00	Target Line
10426.20†	89.450	269.303	10009.92	663.11	-8.07	-663.07	601320.54	488767.02	32°20'36.752"N	104°08'20.777"W	0.00	
10526.20†	89.450	269.303	10010.88	763.11	-9.28	-763.05	601220.56	488765.81	32°20'36.742"N	104°08'21.942"W	0.00	
10626.20†	89.450	269.303	10011.84	863.11	-10.50	-863.04	601120.59	488764.59	32°20'36.732"N	104°08'23.108"W	0.00	
10726.20†	89.450	269.303	10012.80	963.10	-11.72	-963.03	601020.61	488763.37	32°20'36.721"N	104°08'24.273"W	0.00	
10826.20†	89.450	269.303	10013.76	1063.10	-12.93	-1063.02	600920.63	488762.16	32°20'36.711"N	104°08'25.439"W	0.00	
10926.20†	89.450	269.303	10014.72	1163.09	-14.15	-1163.01	600820.65	488760.94	32°20'36.701"N	104°08'26.604"W	0.00	
11026.20†	89.450	269.303	10015.68	1263.09	-15.37	-1262.99	600720.67	488759.72	32°20'36.691"N	104°08'27.770"W	0.00	
11126.20†	89.450	269.303	10016.64	1363.08	-16.59	-1362.98	600620.69	488758.51	32°20'36.680"N	104°08'28.935"W	0.00	
11226.20†	89.450	269.303	10017.60	1463.08	-17.80	-1462.97	600520.71	488757.29	32°20'36.670"N	104°08'30.101"W	0.00	
11326.20†	89.450	269.303	10018.56	1563.07	-19.02	-1562.96	600420.73	488756.07	32°20'36.660"N	104°08'31.266"W	0.00	
11426.20†	89.450	269.303	10019.52	1663.07	-20.24	-1662.95	600320.75	488754.86	32°20'36.650"N	104°08'32.432"W	0.00	
11526.20†	89.450	269.303	10020.48	1763.06	-21.45	-1762.93	600220.77	488753.64	32°20'36.639"N	104°08'33.597"W	0.00	
11626.20†	89.450	269.303	10021.44	1863.06	-22.67	-1862.92	600120.79	488752.42	32°20'36.629"N	104°08'34.763"W	0.00	
11726.20†	89.450	269.303	10022.40	1963.05	-23.89	-1962.91	600020.81	488751.20	32°20'36.619"N	104°08'35.928"W	0.00	
11826.20†	89.450	269.303	10023.37	2063.05	-25.10	-2062.90	599920.84	488749.99	32°20'36.608"N	104°08'37.093"W	0.00	
11926.20†	89.450	269.303	10024.33	2163.05	-26.32	-2162.89	599820.86	488748.77	32°20'36.598"N	104°08'38.259"W	0.00	
12026.20†	89.450	269.303	10025.29	2263.04	-27.54	-2262.87	599720.88	488747.55	32°20'36.588"N	104°08'39.424"W	0.00	
12126.20†	89.450	269.303	10026.25	2363.04	-28.76	-2362.86	599620.90	488746.34	32°20'36.578"N	104°08'40.590"W	0.00	
12226.20†	89.450	269.303	10027.21	2463.03	-29.97	-2462.85	599520.92	488745.12	32°20'36.567"N	104°08'41.755"W	0.00	
12326.20†	89.450	269.303	10028.17	2563.03	-31.19	-2562.84	599420.94	488743.90	32°20'36.557"N	104°08'42.921"W	0.00	
12426.20†	89.450	269.303	10029.13	2663.02	-32.41	-2662.83	599320.96	488742.69	32°20'36.547"N	104°08'44.086"W	0.00	
12526.20†	89.450	269.303	10030.09	2763.02	-33.62	-2762.81	599220.98	488741.47	32°20'36.536"N	104°08'45.252"W	0.00	
12626.20†	89.450	269.303	10031.05	2863.01	-34.84	-2862.80	599121.00	488740.25	32°20'36.526"N	104°08'46.417"W	0.00	
12726.20†	89.450	269.303	10032.01	2963.01	-36.06	-2962.79	599021.02	488739.04	32°20'36.516"N	104°08'47.583"W	0.00	
12826.20†	89.450	269.303	10032.97	3063.00	-37.27	-3062.78	598921.04	488737.82	32°20'36.505"N	104°08'48.748"W	0.00	
12926.20†	89.450	269.303	10033.93	3163.00	-38.49	-3162.76	598821.07	488736.60	32°20'36.495"N	104°08'49.914"W	0.00	
13026.20†	89.450	269.303	10034.89	3262.99	-39.71	-3262.75	598721.09	488735.39	32°20'36.485"N	104°08'51.079"W	0.00	



Planned Wellpath Report

Prelim_1
Page 5 of 5



REFERENCE WELLPATH IDENTIFICATION			
Operator	Devon Energy	Slot	No.2H SHL
Area	Eddy County, NM	Well	No.2H
Field	(Riversand) Sec 36, T22S, R27E	Wellbore	No.2H PWB
Facility	Riversand #1H		

WELLPATH DATA (143 stations) † = interpolated/extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13126.20†	89.450	269.303	10035.85	3362.99	-40.92	-3362.74	598621.11	488734.17	32°20'36.474"N	104°08'52.245"W	0.00	
13226.20†	89.450	269.303	10036.81	3462.99	-42.14	-3462.73	598521.13	488732.95	32°20'36.464"N	104°08'53.410"W	0.00	
13326.20†	89.450	269.303	10037.77	3562.98	-43.36	-3562.72	598421.15	488731.74	32°20'36.454"N	104°08'54.576"W	0.00	
13426.20†	89.450	269.303	10038.73	3662.98	-44.58	-3662.70	598321.17	488730.52	32°20'36.443"N	104°08'55.741"W	0.00	
13526.20†	89.450	269.303	10039.69	3762.97	-45.79	-3762.69	598221.19	488729.30	32°20'36.433"N	104°08'56.907"W	0.00	
13626.20†	89.450	269.303	10040.65	3862.97	-47.01	-3862.68	598121.21	488728.08	32°20'36.423"N	104°08'58.072"W	0.00	
13726.20†	89.450	269.303	10041.62	3962.96	-48.23	-3962.67	598021.23	488726.87	32°20'36.412"N	104°08'59.238"W	0.00	
13766.27	89.450	269.303	10042.00†	4003.03	-48.71	-4002.73	597981.17	488726.38	32°20'36.408"N	104°08'59.705"W	0.00	No.1H PBHL

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) No.1H PBHL	13766.27	10042.00	-48.71	-4002.73	597981.17	488726.38	32°20'36.408"N	104°08'59.705"W	point

SURVEY PROGRAM - Ref Wellbore: No.2H PWB Ref Wellpath: Prelim_1				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
26.20	13766.27	NaviTrak (Standard)		No.2H PWB



Devon Energy

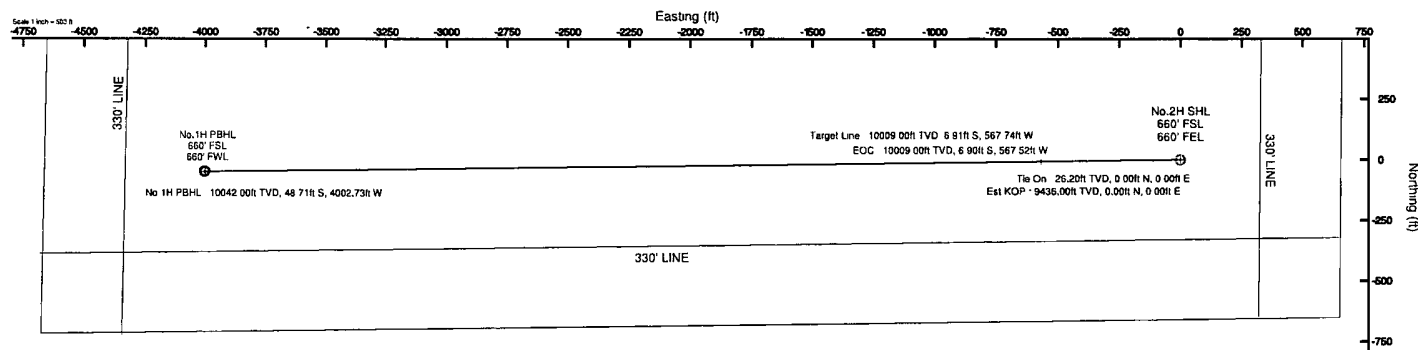
Location Eddy County, NM
Field (Riversand) Sec 36, T22S, R27E
Facility Riversand #1H

Slot: No 2H SHL
Well: No 2H
Wellbore: No 2H PWB

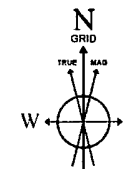


Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	26.20	0.000	269.303	26.20	0.00	0.00	0.00	0.00
Est KOP	9436.00	0.000	269.303	9436.00	0.00	0.00	0.00	0.00
EOC	10330.65	89.454	269.303	10009.00	-6.90	-567.52	10.00	567.57
Target Line	10330.86	89.450	269.303	10009.00	-6.91	-567.74	2.00	567.78
No.1H PBHL	13766.27	89.450	269.303	10042.00	-48.71	-4002.73	0.00	4003.03



Plot reference wellpath is Prelim_1	
True vertical depths are referenced to Rig on No 2H SHL (KB)	Grid System NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No 2H SHL (KB)	North Reference Grid north
Rig on No 2H SHL (KB) to Mean Sea Level 3094.9 feet	Scale True distance
Mean Sea Level to Mud line (At Slot No.2H SHL) -3068.7 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by genibry on 2/13/2012



BGGM (1945.0 to 2013.0) Dip 60.15° Field 48562.7 nT
Magnetic North is 7.86 degrees East of True North (at 2/13/2012)
Grid North is 0.11 degrees East of True North
To correct azimuth from True to Grid subtract 0.11 degrees
To correct azimuth from Magnetic to Grid add 7.75 degrees
For example if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.75 = 97.75

