

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 August 1, 2011
Submit one copy to appropriate
District Office.

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-41014	² Pool Code 60660	³ Pool Name Turkey Track; Bone Spring
⁴ Property Code 38433	⁵ Property Name DIAMOND PWU 22	
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁶ Well Number 8H
		⁹ Elevation 3339.8

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	21	19 S	29 E		825	SOUTH	780	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
P	22	19 S	29 E		660	SOUTH	330	EAST	EDDY

¹² Dedicated Acres 160.00	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. 21 LAT. = 32.6535924°N LONG. = 104.0883657°W NMSP EAST (FT) N = 601594.86 E = 616731.03				SECTION CORNER LAT. = 32.6535396°N LONG. = 104.0711864°W NMSP EAST (FT) N = 601588.25 E = 622018.36				NE CORNER SEC. 22 LAT. = 32.6534311°N LONG. = 104.0540526°W NMSP EAST (FT) N = 601562.23 E = 627291.75			
N Q CORNER SEC. 21 LAT. = 32.6535536°N LONG. = 104.0797751°W NMSP EAST (FT) N = 601586.93 E = 619375.01				N Q CORNER SEC. 22 LAT. = 32.6534053°N LONG. = 104.0528276°W NMSP EAST (FT) N = 601575.11 E = 624652.56							
SEC 21 DIAMOND PWU 22-8H ELEV. = 3339.8' LAT. = 32.6413038°N (NAD83) LONG. = 104.0737829°W NMSP EAST (FT) N = 597134.81 E = 621230.10				1/4 CORNER LAT. = 32.6462644°N LONG. = 104.0712566°W NMSP EAST (FT) N = 598941.42 E = 622003.29				SEC 22 BOTTOM OF HOLE COMPUTED LAT. = 32.6407533°N LONG. = 104.0551947°W NMSP EAST (FT) N = 596949.02 E = 626952.30			
W Q CORNER SEC. 21 LAT. = 32.6463286°N LONG. = 104.0883964°W NMSP EAST (FT) N = 598952.19 E = 616727.68				Project Area SURFACE LOCATION 780' 825'				Project Area BOTTOM OF HOLE 330' 660'			
S Q CORNER SEC. 21 LAT. = 32.6390356°N LONG. = 104.0798189°W NMSP EAST (FT) N = 596305.14 E = 619374.13				S Q CORNER SEC. 22 LAT. = 32.6389391°N LONG. = 104.0626953°W NMSP EAST (FT) N = 596283.05 E = 624645.01							
SW CORNER SEC. 21 LAT. = 32.6390699°N LONG. = 104.0883927°W NMSP EAST (FT) N = 596311.43 E = 616734.90				SECTION CORNER LAT. = 32.6390370°N LONG. = 104.0712463°W NMSP EAST (FT) N = 596312.05 E = 622012.94				SE CORNER SEC. 22 LAT. = 32.6389396°N LONG. = 104.0541330°W NMSP EAST (FT) N = 596290.05 E = 627280.86			

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 a 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.
Patti Riechers 01/23/2012
Signature Date
Patti Riechers, Regulatory Specialist
Printed Name
patti.riechers@dvn.com
E-mail Address

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.
SEPTEMBER 2011
Date of Survey
[Signature]
Signature and Seal of Professional Surveyor
Certificate Number: F1160517 RAMILLO, PLS 12797
SURVEY NO. 1241

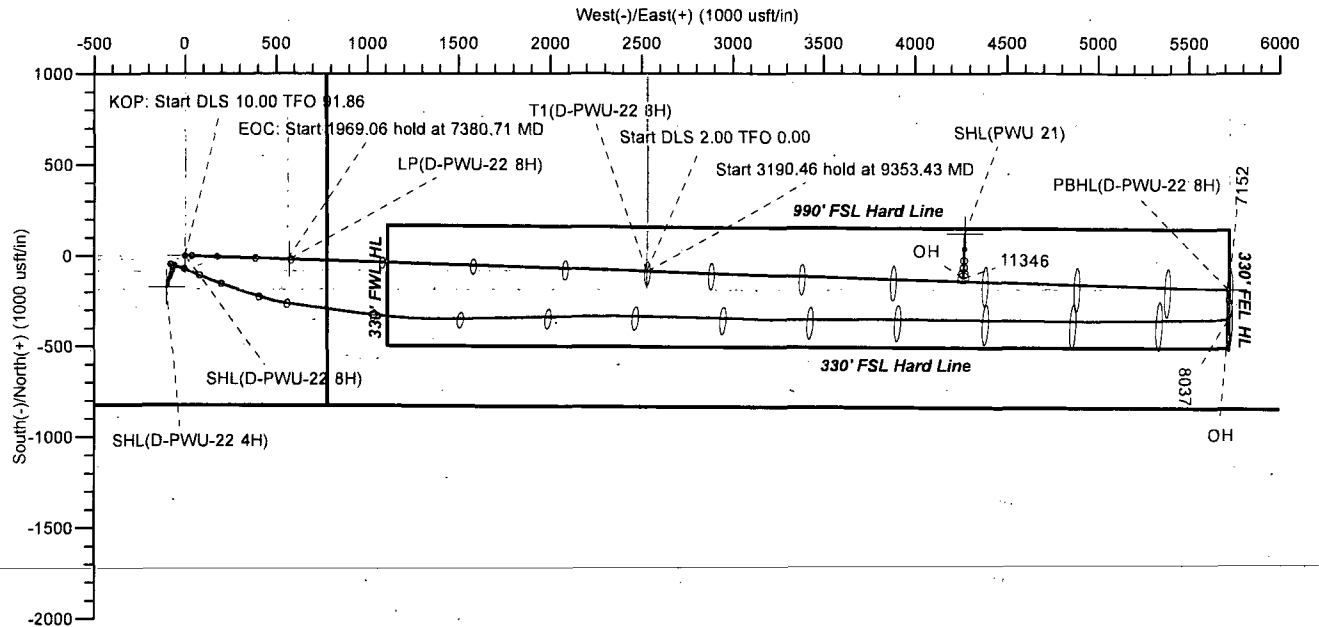
DEVON ENERGY

Project: Eddy County, NM (NAD-83)
Site: Diamond PWU 22
Well: 8H
Wellbore: OH
Design: Plan #1



Azimuths to Grid North
True North: -0.14°
Magnetic North: 7.51°

Magnetic Field
Strength: 48653.1nT
Dip Angle: 60.45°
Date: 01/18/2013
Model: IGRF2010

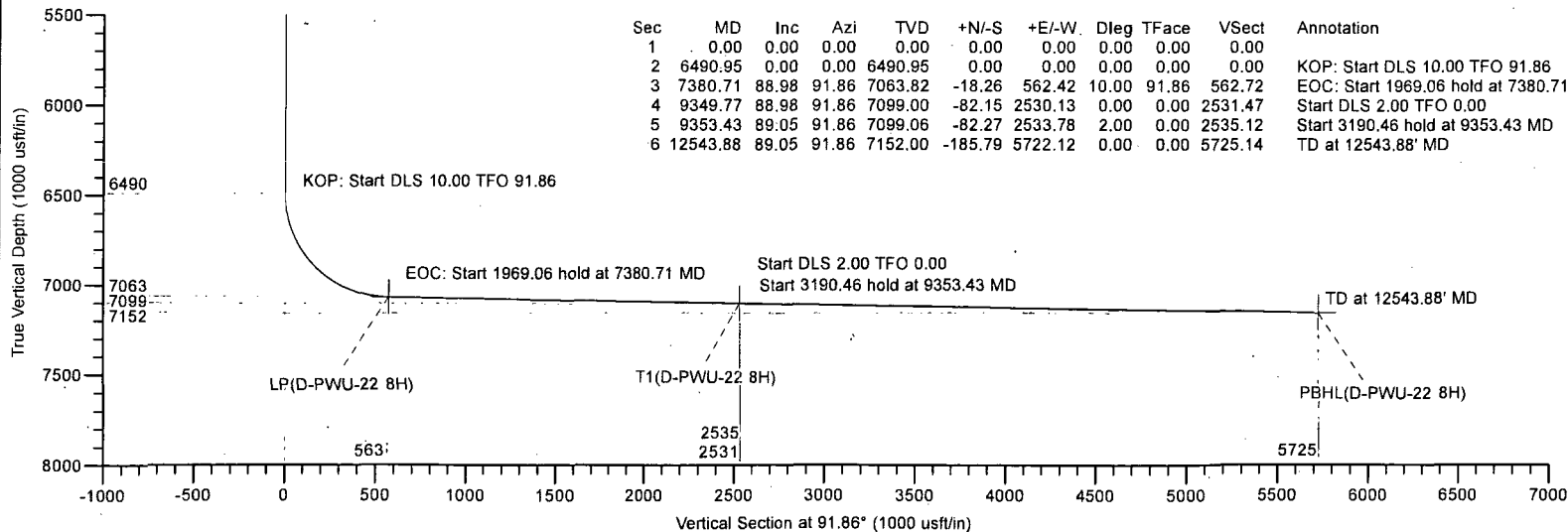


DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL(D-PWU-22 8H)	0.00	0.00	0.00	597134.81	621230.10	32° 38' 28.693 N	104° 4' 25.619 W
LP(D-PWU-22 8H)	7064.00	-18.60	572.89	597116.21	621802.99	32° 38' 28.496 N	104° 4' 18.919 W
T1(D-PWU-22 8H)	7099.00	-82.15	2530.13	597052.66	623760.23	32° 38' 27.818 N	104° 3' 56.030 W
PBHL(D-PWU-22 8H)	7152.00	-185.79	5722.12	596949.02	626952.22	32° 38' 26.712 N	104° 3' 18.702 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	6490.95	0.00	0.00	6490.95	0.00	0.00	0.00	0.00	0.00	KOP: Start DLS 10.00 TFO 91.86
3	7380.71	88.98	91.86	7063.82	-18.26	562.42	10.00	91.86	562.72	EOC: Start 1969.06 hold at 7380.71 MD
4	9349.77	88.98	91.86	7099.00	-82.15	2530.13	0.00	0.00	2531.47	Start DLS 2.00 TFO 0.00
5	9353.43	89.05	91.86	7099.06	-82.27	2533.78	2.00	0.00	2535.12	Start 3190.46 hold at 9353.43 MD
6	12543.88	89.05	91.86	7152.00	-185.79	5722.12	0.00	0.00	5725.14	TD at 12543.88' MD



LEAM DRILLING SYSTEMS LLC
2010 East Davis, Conroe, Texas 77301
Phone: 936/756-7577, Fax 936/756-7595

Plan: Plan #1 (8H/OH)
Diamond PWU 22
Created By: Tyler Carlson
Date: 10/27, January 18 2013
Approved: _____ Date: _____

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 8H
Company:	DEVON ENERGY	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site:	Diamond PWU 22	North Reference:	Grid
Well:	8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Eddy County, NM (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Diamond PWU 22		
Site Position:		Northing:	597,134.81 usft
From:	Map	Easting:	621,230.10 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 38' 28.693 N
		Longitude:	104° 4' 25.619 W
		Grid Convergence:	0.14 °

Well	8H					
Well Position	+N/-S	0.00 usft	Northing:	597,134.81 usft	Latitude:	32° 38' 28.693 N
	+E/-W	0.00 usft	Easting:	621,230.10 usft	Longitude:	104° 4' 25.619 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,340.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	01/18/13	7.65	60.45	48,653

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	91.86

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,490.95	0.00	0.00	6,490.95	0.00	0.00	0.00	0.00	0.00	0.00	
7,380.71	88.98	91.86	7,063.82	-18.26	562.42	10.00	10.00	10.32	91.86	
9,349.78	88.98	91.86	7,099.00	-82.15	2,530.13	0.00	0.00	0.00	0.00	T1(D-PWU-22 8H)
9,353.43	89.05	91.86	7,099.06	-82.27	2,533.78	2.00	2.00	0.00	0.00	
12,543.88	89.05	91.86	7,152.00	-185.79	5,722.12	0.00	0.00	0.00	0.00	PBHL(D-PWU-22 8H)

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 8H
Company:	DEVON ENERGY	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site:	Diamond PWU 22	North Reference:	Grid
Well:	8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
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	
200.00	0.00	0.00	200.00	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	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	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	
700.00	0.00	0.00	700.00	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	
900.00	0.00	0.00	900.00	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	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	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	
1,500.00	0.00	0.00	1,500.00	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	
1,700.00	0.00	0.00	1,700.00	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	
1,900.00	0.00	0.00	1,900.00	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	
2,100.00	0.00	0.00	2,100.00	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	
2,300.00	0.00	0.00	2,300.00	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	
2,500.00	0.00	0.00	2,500.00	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	
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,800.00	0.00	0.00	2,800.00	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	
3,000.00	0.00	0.00	3,000.00	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	
3,200.00	0.00	0.00	3,200.00	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	
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,500.00	0.00	0.00	3,500.00	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	
3,700.00	0.00	0.00	3,700.00	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	
3,900.00	0.00	0.00	3,900.00	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	
4,100.00	0.00	0.00	4,100.00	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	
4,300.00	0.00	0.00	4,300.00	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	
4,500.00	0.00	0.00	4,500.00	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	
4,700.00	0.00	0.00	4,700.00	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	
4,900.00	0.00	0.00	4,900.00	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	
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00	

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 8H
Company:	DEVON ENERGY	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site:	Diamond PWU 22	North Reference:	Grid
Well:	8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.00	0.00	0.00	5,200.00	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
5,400.00	0.00	0.00	5,400.00	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
5,600.00	0.00	0.00	5,600.00	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
5,800.00	0.00	0.00	5,800.00	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
6,000.00	0.00	0.00	6,000.00	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
6,200.00	0.00	0.00	6,200.00	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
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,490.95	0.00	0.00	6,490.95	0.00	0.00	0.00	0.00	0.00	0.00
KOP: Start DLS 10.00 TFO 91.86									
6,500.00	0.90	91.86	6,500.00	0.00	0.07	0.07	10.00	10.00	0.00
6,550.00	5.90	91.86	6,549.90	-0.10	3.04	3.04	10.00	10.00	0.00
6,600.00	10.90	91.86	6,599.34	-0.34	10.34	10.35	10.00	10.00	0.00
6,650.00	15.90	91.86	6,647.97	-0.71	21.92	21.93	10.00	10.00	0.00
6,700.00	20.90	91.86	6,695.39	-1.22	37.70	37.72	10.00	10.00	0.00
6,750.00	25.90	91.86	6,741.26	-1.87	57.54	57.57	10.00	10.00	0.00
6,800.00	30.90	91.86	6,785.23	-2.64	81.30	81.35	10.00	10.00	0.00
6,850.00	35.90	91.86	6,826.96	-3.53	108.81	108.87	10.00	10.00	0.00
6,900.00	40.90	91.86	6,866.13	-4.54	139.84	139.92	10.00	10.00	0.00
6,950.00	45.90	91.86	6,902.44	-5.66	174.17	174.26	10.00	10.00	0.00
7,000.00	50.90	91.86	6,935.62	-6.87	211.53	211.64	10.00	10.00	0.00
7,050.00	55.90	91.86	6,965.42	-8.17	251.64	251.78	10.00	10.00	0.00
7,100.00	60.90	91.86	6,991.61	-9.55	294.20	294.35	10.00	10.00	0.00
7,150.00	65.90	91.86	7,013.99	-11.00	338.87	339.05	10.00	10.00	0.00
7,200.00	70.90	91.86	7,032.38	-12.51	385.32	385.52	10.00	10.00	0.00
7,250.00	75.90	91.86	7,046.66	-14.07	433.20	433.42	10.00	10.00	0.00
7,300.00	80.90	91.86	7,056.71	-15.65	482.13	482.39	10.00	10.00	0.00
7,350.00	85.90	91.86	7,062.45	-17.27	531.76	532.04	10.00	10.00	0.00
7,380.71	88.98	91.86	7,063.82	-18.26	562.42	562.72	10.00	10.00	0.00
EOC: Start 1969.06 hold at 7380.71 MD									
7,400.00	88.98	91.86	7,064.16	-18.89	581.70	582.00	0.00	0.00	0.00
7,500.00	88.98	91.86	7,065.95	-22.13	681.63	681.99	0.00	0.00	0.00
7,600.00	88.98	91.86	7,067.74	-25.38	781.56	781.97	0.00	0.00	0.00
7,700.00	88.98	91.86	7,069.52	-28.62	881.49	881.96	0.00	0.00	0.00
7,800.00	88.98	91.86	7,071.31	-31.87	981.42	981.94	0.00	0.00	0.00
7,900.00	88.98	91.86	7,073.10	-35.11	1,081.35	1,081.92	0.00	0.00	0.00
8,000.00	88.98	91.86	7,074.88	-38.35	1,181.29	1,181.91	0.00	0.00	0.00
8,100.00	88.98	91.86	7,076.67	-41.60	1,281.22	1,281.89	0.00	0.00	0.00
8,200.00	88.98	91.86	7,078.46	-44.84	1,381.15	1,381.88	0.00	0.00	0.00
8,300.00	88.98	91.86	7,080.24	-48.09	1,481.08	1,481.86	0.00	0.00	0.00
8,400.00	88.98	91.86	7,082.03	-51.33	1,581.01	1,581.84	0.00	0.00	0.00
8,500.00	88.98	91.86	7,083.82	-54.58	1,680.94	1,681.83	0.00	0.00	0.00
8,600.00	88.98	91.86	7,085.60	-57.82	1,780.87	1,781.81	0.00	0.00	0.00
8,700.00	88.98	91.86	7,087.39	-61.07	1,880.80	1,881.80	0.00	0.00	0.00
8,800.00	88.98	91.86	7,089.18	-64.31	1,980.74	1,981.78	0.00	0.00	0.00
8,900.00	88.98	91.86	7,090.96	-67.56	2,080.67	2,081.76	0.00	0.00	0.00
9,000.00	88.98	91.86	7,092.75	-70.80	2,180.60	2,181.75	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 8H
Company:	DEVON ENERGY	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site:	Diamond PWU 22	North Reference:	Grid
Well:	8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,100.00	88.98	91.86	7,094.54	-74.04	2,280.53	2,281.73	0.00	0.00	0.00
9,200.00	88.98	91.86	7,096.32	-77.29	2,380.46	2,381.72	0.00	0.00	0.00
9,300.00	88.98	91.86	7,098.11	-80.53	2,480.39	2,481.70	0.00	0.00	0.00
9,349.78	88.98	91.86	7,099.00	-82.15	2,530.13	2,531.47	0.00	0.00	0.00
Start DLS 2.00 TFO 0.00									
9,353.43	89.05	91.86	7,099.06	-82.27	2,533.78	2,535.12	2.00	2.00	0.00
Start 3190.46 hold at 9353.43 MD									
9,400.00	89.05	91.86	7,099.84	-83.78	2,580.33	2,581.69	0.00	0.00	0.00
9,500.00	89.05	91.86	7,101.50	-87.02	2,680.26	2,681.67	0.00	0.00	0.00
9,600.00	89.05	91.86	7,103.15	-90.27	2,780.19	2,781.66	0.00	0.00	0.00
9,700.00	89.05	91.86	7,104.81	-93.51	2,880.13	2,881.64	0.00	0.00	0.00
9,800.00	89.05	91.86	7,106.47	-96.76	2,980.06	2,981.63	0.00	0.00	0.00
9,900.00	89.05	91.86	7,108.13	-100.00	3,079.99	3,081.62	0.00	0.00	0.00
10,000.00	89.05	91.86	7,109.79	-103.25	3,179.93	3,181.60	0.00	0.00	0.00
10,100.00	89.05	91.86	7,111.45	-106.49	3,279.86	3,281.59	0.00	0.00	0.00
10,200.00	89.05	91.86	7,113.11	-109.74	3,379.79	3,381.58	0.00	0.00	0.00
10,300.00	89.05	91.86	7,114.77	-112.98	3,479.73	3,481.56	0.00	0.00	0.00
10,400.00	89.05	91.86	7,116.43	-116.23	3,579.66	3,581.55	0.00	0.00	0.00
10,500.00	89.05	91.86	7,118.09	-119.47	3,679.59	3,681.53	0.00	0.00	0.00
10,600.00	89.05	91.86	7,119.75	-122.71	3,779.53	3,781.52	0.00	0.00	0.00
10,700.00	89.05	91.86	7,121.41	-125.96	3,879.46	3,881.51	0.00	0.00	0.00
10,800.00	89.05	91.86	7,123.07	-129.20	3,979.40	3,981.49	0.00	0.00	0.00
10,900.00	89.05	91.86	7,124.72	-132.45	4,079.33	4,081.48	0.00	0.00	0.00
11,000.00	89.05	91.86	7,126.38	-135.69	4,179.26	4,181.47	0.00	0.00	0.00
11,100.00	89.05	91.86	7,128.04	-138.94	4,279.20	4,281.45	0.00	0.00	0.00
11,200.00	89.05	91.86	7,129.70	-142.18	4,379.13	4,381.44	0.00	0.00	0.00
11,300.00	89.05	91.86	7,131.36	-145.43	4,479.06	4,481.42	0.00	0.00	0.00
11,400.00	89.05	91.86	7,133.02	-148.67	4,579.00	4,581.41	0.00	0.00	0.00
11,500.00	89.05	91.86	7,134.68	-151.92	4,678.93	4,681.40	0.00	0.00	0.00
11,600.00	89.05	91.86	7,136.34	-155.16	4,778.86	4,781.38	0.00	0.00	0.00
11,700.00	89.05	91.86	7,138.00	-158.41	4,878.80	4,881.37	0.00	0.00	0.00
11,800.00	89.05	91.86	7,139.66	-161.65	4,978.73	4,981.35	0.00	0.00	0.00
11,900.00	89.05	91.86	7,141.32	-164.90	5,078.66	5,081.34	0.00	0.00	0.00
12,000.00	89.05	91.86	7,142.98	-168.14	5,178.60	5,181.33	0.00	0.00	0.00
12,100.00	89.05	91.86	7,144.64	-171.38	5,278.53	5,281.31	0.00	0.00	0.00
12,200.00	89.05	91.86	7,146.29	-174.63	5,378.47	5,381.30	0.00	0.00	0.00
12,300.00	89.05	91.86	7,147.95	-177.87	5,478.40	5,481.29	0.00	0.00	0.00
12,400.00	89.05	91.86	7,149.61	-181.12	5,578.33	5,581.27	0.00	0.00	0.00
12,500.00	89.05	91.86	7,151.27	-184.36	5,678.27	5,681.26	0.00	0.00	0.00
12,543.88	89.05	91.86	7,152.00	-185.79	5,722.12	5,725.14	0.00	0.00	0.00
TD at 12543.88' MD									

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 8H
Company:	DEVON ENERGY	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site:	Diamond PWU 22	North Reference:	Grid
Well:	8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL(D-PWU-22 8H) - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	597,134.81	621,230.10	32° 38' 28.693 N	104° 4' 25.619 W
LP(D-PWU-22 8H) - plan misses target center by 0.01usft at 7391.18usft MD (7064.01 TVD, -18.60 N, 572.89 E) - Point	0.00	0.00	7,064.00	-18.60	572.89	597,116.21	621,802.99	32° 38' 28.496 N	104° 4' 18.919 W
T1(D-PWU-22 8H) - plan hits target center - Point	0.00	0.00	7,099.00	-82.15	2,530.13	597,052.66	623,760.24	32° 38' 27.818 N	104° 3' 56.030 W
PBHL(D-PWU-22 8H) - plan hits target center - Point	0.00	0.00	7,152.00	-185.79	5,722.12	596,949.03	626,952.22	32° 38' 26.712 N	104° 3' 18.702 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,490.95	6,490.95	0.00	0.00	KOP: Start DLS 10.00 TFO 91.86
7,380.71	7,063.82	-18.26	562.42	EOC: Start 1969.06 hold at 7380.71 MD
9,349.78	7,099.00	-82.15	2,530.13	Start DLS 2.00 TFO 0.00
9,353.43	7,099.06	-82.27	2,533.78	Start 3190.46 hold at 9353.43 MD
12,543.88	7,152.00	-185.79	5,722.12	TD at 12543.88' MD

Anticollision Report

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 8H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Reference Site:	Diamond PWU 22	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Diamond PWU Offsets - D-PWU-22 4H - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 100-MWD														Offset Well Error:	0.00 usft
Reference	Offset		Semi Major Axis		Distance		Between Centres		Between Ellipses		Minimum Separation	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
1,100.00	1,100.00	1,103.23	1,103.17	2.33	2.18	-149.76	-169.20	-98.63	195.88	191.36	4.51	43.402			
1,150.00	1,150.00	1,153.63	1,153.56	2.44	2.29	-149.92	-168.72	-97.73	195.02	190.28	4.73	41.218			
1,200.00	1,200.00	1,204.00	1,203.91	2.55	2.40	-150.11	-168.20	-96.69	194.05	189.10	4.95	39.205			
1,250.00	1,250.00	1,253.99	1,253.89	2.67	2.50	-150.30	-167.65	-95.62	193.04	187.87	5.17	37.351			
1,300.00	1,300.00	1,303.99	1,303.88	2.78	2.61	-150.49	-167.09	-94.57	192.03	186.65	5.39	35.646			
1,350.00	1,350.00	1,353.98	1,353.86	2.89	2.72	-150.67	-166.50	-93.55	191.02	185.42	5.61	34.075			
1,400.00	1,400.00	1,403.93	1,403.79	3.00	2.82	-150.85	-165.91	-92.55	190.01	184.19	5.82	32.622			
1,450.00	1,450.00	1,453.35	1,453.20	3.12	2.93	-150.99	-165.35	-91.68	189.09	183.05	6.04	31.303			
1,500.00	1,500.00	1,502.77	1,502.62	3.23	3.03	-151.10	-164.85	-91.01	188.32	182.06	6.26	30.099			
1,550.00	1,550.00	1,552.22	1,552.06	3.34	3.13	-151.18	-164.44	-90.48	187.70	181.23	6.47	29.003			
1,600.00	1,600.00	1,601.69	1,601.53	3.45	3.24	-151.25	-164.14	-90.05	187.22	180.54	6.69	27.998			
1,650.00	1,650.00	1,651.59	1,651.42	3.56	3.34	-151.29	-163.85	-89.75	186.83	179.92	6.90	27.060			
1,700.00	1,700.00	1,701.47	1,701.31	3.68	3.45	-151.27	-163.51	-89.62	186.46	179.34	7.12	26.182			
1,750.00	1,750.00	1,751.02	1,750.85	3.79	3.55	-151.24	-163.20	-89.59	186.17	178.83	7.34	25.370			
1,800.00	1,800.00	1,800.57	1,800.40	3.90	3.65	-151.20	-162.99	-89.62	186.01	178.45	7.56	24.620			
1,850.00	1,850.00	1,850.83	1,850.66	4.01	3.76	-151.15	-162.80	-89.68	185.86	178.09	7.77	23.911			
1,900.00	1,900.00	1,901.09	1,900.92	4.13	3.86	-151.09	-162.52	-89.74	185.65	177.66	7.99	23.232			
1,950.00	1,950.00	1,951.35	1,951.18	4.24	3.97	-151.04	-162.18	-89.75	185.37	177.16	8.21	22.581			
2,000.00	2,000.00	2,001.62	2,001.44	4.35	4.08	-151.01	-161.82	-89.67	185.01	176.59	8.43	21.955			
2,050.00	2,050.00	2,052.01	2,051.84	4.46	4.18	-150.99	-161.40	-89.50	184.57	175.82	8.64	21.350			
2,100.00	2,100.00	2,102.33	2,102.15	4.58	4.29	-150.97	-160.89	-89.28	184.02	175.15	8.86	20.762			
2,150.00	2,150.00	2,151.11	2,150.94	4.69	4.39	-150.97	-160.52	-89.10	183.60	174.52	9.08	20.226			
2,188.69	2,188.69	2,188.87	2,188.69	4.78	4.47	-150.97	-160.44	-89.05	183.50	174.25	9.24	19.853			
2,200.00	2,200.00	2,200.00	2,199.82	4.80	4.49	-150.97	-160.45	-89.05	183.51	174.21	9.29	19.750			
2,250.00	2,250.00	2,249.87	2,249.69	4.91	4.60	-150.95	-160.49	-89.15	183.59	174.08	9.51	19.308			
2,300.00	2,300.00	2,299.83	2,299.65	5.03	4.70	-150.88	-160.46	-89.39	183.68	173.55	9.72	18.887			
2,350.00	2,350.00	2,350.03	2,349.85	5.14	4.80	-150.80	-160.39	-89.65	183.74	173.80	9.94	18.481			
2,400.00	2,400.00	2,400.24	2,400.06	5.25	4.91	-150.76	-160.34	-89.76	183.76	173.60	10.16	18.087			
2,450.00	2,450.00	2,450.90	2,450.72	5.36	5.02	-150.71	-160.18	-89.84	183.65	173.27	10.38	17.695			
2,500.00	2,500.00	2,501.53	2,501.35	5.48	5.12	-150.61	-159.77	-89.98	183.37	172.77	10.60	17.303			
2,550.00	2,550.00	2,551.40	2,551.22	5.59	5.23	-150.48	-159.26	-90.17	183.02	172.20	10.82	16.921			
2,600.00	2,600.00	2,601.29	2,601.10	5.70	5.33	-150.33	-158.75	-90.43	182.70	171.67	11.03	16.558			
2,650.00	2,650.00	2,651.94	2,651.75	5.81	5.44	-150.18	-158.16	-90.66	182.31	171.06	11.25	16.200			
2,700.00	2,700.00	2,702.52	2,702.33	5.92	5.55	-150.04	-157.44	-90.76	181.74	170.27	11.47	15.841			
2,750.00	2,750.00	2,751.86	2,751.66	6.04	5.65	-149.89	-156.73	-90.91	181.20	169.51	11.69	15.501			
2,800.00	2,800.00	2,801.20	2,800.99	6.15	5.76	-149.70	-156.12	-91.24	180.83	168.92	11.91	15.188			
2,850.00	2,850.00	2,850.71	2,850.50	6.26	5.86	-149.53	-155.69	-91.58	180.62	168.50	12.12	14.902			
2,900.00	2,900.00	2,900.23	2,900.02	6.37	5.96	-149.45	-155.49	-91.78	180.55	168.22	12.34	14.637			
2,950.00	2,950.00	2,950.22	2,950.01	6.49	6.06	-149.42	-155.43	-91.87	180.55	168.00	12.55	14.386			
2,980.09	2,980.09	2,980.30	2,980.09	6.55	6.12	-149.41	-155.43	-91.87	180.55	167.87	12.68	14.239			
3,000.00	3,000.00	3,000.21	3,000.00	6.60	6.17	-149.42	-155.44	-91.85	180.55	167.78	12.77	14.144			
3,050.00	3,050.00	3,050.84	3,050.63	6.71	6.27	-149.42	-155.36	-91.81	180.46	167.48	12.98	13.899			
3,100.00	3,100.00	3,101.45	3,101.23	6.82	6.38	-149.38	-155.06	-91.79	180.20	167.00	13.20	13.649			
3,150.00	3,150.00	3,151.06	3,150.84	6.94	6.48	-149.31	-154.72	-91.81	179.91	166.49	13.42	13.407			
3,200.00	3,200.00	3,200.68	3,200.46	7.05	6.59	-149.26	-154.48	-91.86	179.73	166.10	13.64	13.181			
3,250.00	3,250.00	3,250.94	3,250.73	7.16	6.69	-149.20	-154.23	-91.95	179.57	165.71	13.85	12.962			
3,300.00	3,300.00	3,301.20	3,300.99	7.27	6.80	-149.11	-153.88	-92.08	179.33	165.26	14.07	12.744			
3,350.00	3,350.00	3,351.40	3,351.18	7.39	6.90	-149.00	-153.45	-92.20	179.02	164.73	14.29	12.527			
3,400.00	3,400.00	3,401.59	3,401.37	7.50	7.01	-148.90	-152.98	-92.29	178.67	164.16	14.51	12.314			
3,450.00	3,450.00	3,451.56	3,451.34	7.61	7.11	-148.81	-152.52	-92.32	178.29	163.56	14.73	12.106			
3,500.00	3,500.00	3,501.53	3,501.31	7.72	7.22	-148.76	-152.11	-92.28	177.92	162.97	14.94	11.906			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 8H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Reference Site:	Diamond PWU 22	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at:	2.00 sigma
Reference Wellbore:	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Diamond PWU Offsets - D-PWU-22 4H - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 100-MWD													Offset Well Error:	0.00 usft
Reference	Vertical	Offset	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Depth (usft)	Measured Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toothface (")	+N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor		
3,550.00	3,550.00	3,551.25	3,551.02	7.84	7.32	-148.72	-151.77	-92.21	177.59	162.43	15.16	11.715		
3,600.00	3,600.00	3,600.99	3,600.76	7.95	7.42	-148.70	-151.52	-92.14	177.34	161.37	15.37	11.535		
3,650.00	3,650.00	3,651.65	3,651.42	8.06	7.53	-148.67	-151.22	-92.04	177.03	161.44	15.59	11.353		
3,700.00	3,700.00	3,702.26	3,702.02	8.17	7.64	-148.65	-150.75	-91.85	176.54	160.73	15.81	11.165		
3,750.00	3,750.00	3,751.91	3,751.67	8.28	7.74	-148.60	-150.23	-91.70	176.01	159.99	16.03	10.981		
3,800.00	3,800.00	3,801.57	3,801.34	8.40	7.85	-148.52	-149.74	-91.70	175.59	159.34	16.25	10.808		
3,850.00	3,850.00	3,851.65	3,851.41	8.51	7.95	-148.41	-149.23	-91.77	175.20	158.73	16.47	10.640		
3,900.00	3,900.00	3,901.73	3,901.49	8.62	8.06	-148.29	-148.69	-91.86	174.78	158.10	16.68	10.476		
3,950.00	3,950.00	3,952.00	3,951.76	8.73	8.17	-148.16	-148.07	-91.97	174.32	157.41	16.90	10.312		
4,000.00	4,000.00	4,002.28	4,002.03	8.85	8.27	-148.00	-147.35	-92.09	173.77	156.65	17.12	10.148		
4,050.00	4,050.00	4,052.70	4,052.45	8.96	8.38	-147.81	-146.50	-92.22	173.13	155.78	17.35	9.981		
4,100.00	4,100.00	4,103.19	4,102.92	9.07	8.49	-147.60	-145.51	-92.34	172.36	154.79	17.57	9.812		
4,150.00	4,150.00	4,154.64	4,154.36	9.18	8.60	-147.39	-144.25	-92.28	171.30	153.51	17.79	9.629		
4,200.00	4,200.00	4,205.78	4,205.48	9.30	8.71	-147.20	-142.68	-91.94	169.82	151.81	18.01	9.428		
4,250.00	4,250.00	4,254.79	4,254.46	9.41	8.81	-147.02	-141.17	-91.62	168.35	150.12	18.23	9.235		
4,300.00	4,300.00	4,303.96	4,303.61	9.52	8.92	-146.81	-139.86	-91.49	167.17	148.72	18.45	9.062		
4,350.00	4,350.00	4,354.85	4,354.48	9.63	9.03	-146.57	-138.45	-91.39	165.96	147.29	18.67	8.890		
4,400.00	4,400.00	4,405.62	4,405.22	9.75	9.13	-146.31	-136.78	-91.18	164.47	145.58	18.89	8.707		
4,450.00	4,450.00	4,455.57	4,455.15	9.86	9.24	-146.11	-135.15	-90.77	162.89	143.78	19.11	8.525		
4,500.00	4,500.00	4,505.62	4,505.16	9.97	9.35	-146.03	-133.71	-90.09	161.31	141.98	19.33	8.346		
4,550.00	4,550.00	4,556.32	4,555.83	10.08	9.45	-146.00	-132.22	-89.19	159.60	140.05	19.55	8.165		
4,600.00	4,600.00	4,606.86	4,606.34	10.20	9.56	-146.00	-130.59	-88.10	157.66	137.89	19.77	7.976		
4,650.00	4,650.00	4,656.51	4,655.95	10.31	9.67	-146.02	-129.02	-86.96	155.70	135.71	19.98	7.791		
4,700.00	4,700.00	4,706.07	4,705.48	10.42	9.77	-146.07	-127.57	-85.81	153.84	133.64	20.20	7.615		
4,750.00	4,750.00	4,755.01	4,754.39	10.53	9.88	-146.09	-126.29	-84.88	152.23	131.81	20.42	7.456		
4,800.00	4,800.00	4,804.07	4,803.44	10.64	9.98	-146.04	-125.18	-84.30	150.95	130.32	20.63	7.317		
4,850.00	4,850.00	4,854.39	4,853.74	10.76	10.08	-145.97	-124.07	-83.78	149.76	128.91	20.85	7.182		
4,900.00	4,900.00	4,904.61	4,903.94	10.87	10.19	-145.92	-122.92	-83.16	148.46	127.39	21.07	7.046		
4,950.00	4,950.00	4,953.91	4,953.23	10.98	10.30	-145.89	-121.89	-82.56	147.25	125.96	21.29	6.917		
5,000.00	5,000.00	5,003.27	5,002.58	11.09	10.40	-145.88	-121.07	-82.02	146.27	124.76	21.50	6.802		
5,050.00	5,050.00	5,053.21	5,052.51	11.21	10.50	-145.86	-120.32	-81.58	145.39	123.67	21.72	6.694		
5,100.00	5,100.00	5,103.18	5,102.47	11.32	10.61	-145.79	-119.51	-81.25	144.54	122.60	21.94	6.588		
5,150.00	5,150.00	5,153.44	5,152.73	11.43	10.72	-145.61	-118.51	-81.11	143.63	121.48	22.16	6.482		
5,200.00	5,200.00	5,203.75	5,203.01	11.54	10.83	-145.29	-117.23	-81.20	142.64	120.26	22.38	6.374		
5,250.00	5,250.00	5,254.72	5,253.97	11.66	10.94	-144.93	-115.69	-81.23	141.41	118.81	22.60	6.256		
5,300.00	5,300.00	5,305.51	5,304.72	11.77	11.04	-144.60	-113.92	-80.96	139.84	117.01	22.83	6.126		
5,350.00	5,350.00	5,354.95	5,354.13	11.88	11.15	-144.34	-112.28	-80.55	138.25	115.20	23.04	5.999		
5,400.00	5,400.00	5,404.53	5,403.69	11.99	11.26	-144.17	-110.91	-80.08	136.85	113.58	23.26	5.883		
5,450.00	5,450.00	5,455.43	5,454.56	12.11	11.36	-143.97	-109.37	-79.57	135.33	111.85	23.48	5.762		
5,500.00	5,500.00	5,506.26	5,505.35	12.22	11.47	-143.66	-107.44	-79.02	133.48	109.77	23.71	5.630		
5,550.00	5,550.00	5,556.75	5,555.79	12.33	11.58	-143.31	-105.24	-78.42	131.37	107.44	23.93	5.490		
5,600.00	5,600.00	5,607.18	5,606.16	12.44	11.70	-142.93	-102.87	-77.71	129.07	104.91	24.16	5.343		
5,650.00	5,650.00	5,657.31	5,656.23	12.56	11.80	-142.57	-100.45	-76.88	126.65	102.27	24.38	5.195		
5,700.00	5,700.00	5,707.33	5,706.18	12.67	11.91	-142.25	-98.05	-75.91	124.15	99.55	24.60	5.047		
5,750.00	5,750.00	5,756.74	5,755.53	12.78	12.02	-141.95	-95.80	-74.97	121.77	96.95	24.82	4.906		
5,800.00	5,800.00	5,806.27	5,805.01	12.89	12.13	-141.65	-93.72	-74.15	119.61	94.57	25.04	4.777		
5,850.00	5,850.00	5,856.62	5,855.31	13.00	12.24	-141.32	-91.59	-73.31	117.43	92.17	25.26	4.648		
5,900.00	5,900.00	5,906.80	5,905.43	13.12	12.35	-140.98	-89.32	-72.38	115.10	89.61	25.49	4.516		
5,950.00	5,950.00	5,956.06	5,954.64	13.23	12.45	-140.62	-87.18	-71.57	112.89	87.18	25.71	4.392		
6,000.00	6,000.00	6,005.46	6,003.99	13.34	12.56	-140.24	-85.26	-70.94	110.98	85.06	25.93	4.281		

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 8H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Reference Site:	Diamond PWU 22	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Diamond PWU Offsets - D-PWU-22 4H - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 100-MWD													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
6,050.00	6,050.00	6,055.71	6,054.20	13.45	12.67	-139.79	-83.28	-70.39	109.12	82.97	26.15	4.173		
6,100.00	6,100.00	6,105.94	6,104.38	13.57	12.78	-139.25	-81.09	-69.87	107.13	80.76	26.37	4.062		
6,150.00	6,150.00	6,156.08	6,154.47	13.68	12.89	-138.60	-78.73	-69.40	105.05	78.45	26.60	3.950		
6,200.00	6,200.00	6,206.12	6,204.44	13.79	13.00	-137.84	-76.19	-69.00	102.89	76.07	26.82	3.836		
6,250.00	6,250.00	6,255.56	6,253.81	13.90	13.11	-137.00	-73.71	-68.75	100.86	73.82	27.04	3.730		
6,300.00	6,300.00	6,305.09	6,303.29	14.02	13.22	-136.10	-71.37	-68.68	99.11	71.84	27.27	3.635		
6,350.00	6,350.00	6,355.27	6,353.42	14.13	13.33	-135.16	-69.03	-68.63	97.40	69.91	27.49	3.543		
6,400.00	6,400.00	6,405.41	6,403.49	14.24	13.44	-134.20	-66.61	-68.49	95.60	67.89	27.71	3.449		
6,450.00	6,450.00	6,455.20	6,453.23	14.35	13.54	-133.28	-64.28	-68.27	93.83	65.89	27.94	3.359		
6,490.95	6,490.95	6,495.99	6,493.99	14.45	13.63	-132.57	-62.51	-68.05	92.45	64.33	28.12	3.288		
6,500.00	6,500.00	6,504.98	6,502.96	14.46	13.65	135.76	-62.14	-67.99	92.21	64.06	28.15	3.276		
6,515.06	6,515.05	6,519.88	6,517.85	14.49	13.68	136.21	-61.53	-67.91	92.05	63.85	28.20	3.264 CC, ES, SF		
6,550.00	6,549.90	6,554.37	6,552.32	14.56	13.76	137.79	-60.19	-67.80	92.92	64.63	28.29	3.285		
6,600.00	6,599.34	6,603.32	6,601.23	14.66	13.86	141.14	-58.42	-67.79	97.37	69.08	28.29	3.442		
6,650.00	6,647.97	6,651.63	6,649.52	14.77	13.96	145.27	-56.76	-67.92	105.90	77.80	28.10	3.769		
6,700.00	6,695.39	6,698.68	6,696.54	14.88	14.06	149.55	-55.20	-68.15	118.82	91.13	27.69	4.291		
6,750.00	6,741.26	6,743.64	6,741.47	15.00	14.16	153.43	-53.78	-68.52	136.33	109.28	27.05	5.040		
6,800.00	6,785.23	6,786.48	6,784.29	15.14	14.25	156.69	-52.55	-69.08	158.45	132.27	26.19	6.051		
6,850.00	6,826.96	6,826.92	6,824.71	15.30	14.34	159.27	-51.51	-69.78	184.93	159.80	25.13	7.359		
6,900.00	6,866.13	6,864.68	6,862.46	15.49	14.42	161.16	-50.74	-70.53	215.42	191.50	23.92	9.006		
6,950.00	6,902.44	6,900.00	6,897.76	15.73	14.49	162.49	-50.20	-71.33	249.56	226.97	22.59	11.048		
7,000.00	6,935.62	6,932.01	6,929.77	16.01	14.56	163.27	-49.77	-72.08	286.90	265.71	21.19	13.541		
7,050.00	6,965.42	6,961.21	6,958.95	16.35	14.62	163.60	-49.36	-72.73	327.04	307.27	19.77	16.541		
7,100.00	6,991.61	6,986.77	6,984.51	16.75	14.67	163.36	-48.97	-73.27	369.64	351.20	18.45	20.037		
7,150.00	7,013.99	7,008.24	7,005.96	17.23	14.71	162.38	-48.63	-73.72	414.38	396.98	17.40	23.817		
7,200.00	7,032.38	7,025.32	7,023.04	17.77	14.75	160.21	-48.36	-74.08	460.89	443.92	16.97	27.163		
7,250.00	7,046.66	7,038.28	7,035.99	18.38	14.78	155.88	-48.16	-74.36	508.81	490.96	17.86	28.491		
7,300.00	7,056.71	7,047.03	7,044.74	19.05	14.80	146.43	-48.03	-74.56	557.76	536.00	21.76	25.630		
7,350.00	7,062.45	7,051.52	7,049.23	19.78	14.81	120.81	-47.96	-74.66	607.34	575.13	32.21	18.856		
7,380.71	7,063.82	7,052.17	7,049.88	20.24	14.81	87.07	-47.95	-74.67	637.94	600.40	37.54	16.992		
7,400.00	7,064.16	7,052.08	7,049.79	20.55	14.81	86.96	-47.95	-74.67	657.17	619.22	37.95	17.315		
7,450.00	7,065.06	7,051.82	7,049.53	21.38	14.81	86.68	-47.96	-74.66	707.03	667.97	39.06	18.100		
7,500.00	7,065.95	7,051.57	7,049.28	22.22	14.81	86.39	-47.96	-74.66	756.91	716.74	40.17	18.843		
7,550.00	7,066.84	7,051.32	7,049.03	23.13	14.81	86.11	-47.97	-74.65	806.81	765.46	41.35	19.513		
7,600.00	7,067.74	7,051.07	7,048.78	24.04	14.80	85.83	-47.97	-74.65	856.72	814.19	42.53	20.146		
7,650.00	7,068.63	7,050.83	7,048.54	25.00	14.80	85.55	-47.97	-74.64	906.63	862.87	43.76	20.719		
7,700.00	7,069.52	8,643.73	7,945.41	25.97	27.45	162.87	-297.24	828.47	917.68	896.93	20.75	44.219		
7,750.00	7,070.42	8,698.69	7,946.29	26.98	28.55	162.53	-304.62	882.92	919.13	897.27	21.86	42.050		
7,800.00	7,071.31	8,754.43	7,946.91	27.99	29.69	162.21	-311.80	938.19	920.28	897.29	22.99	40.037		
7,850.00	7,072.20	8,805.22	7,947.38	29.04	30.76	161.93	-318.02	988.60	921.26	897.18	24.08	38.259		
7,900.00	7,073.10	8,856.76	7,947.92	30.09	31.84	161.66	-323.98	1,039.79	922.22	897.04	25.18	36.621		
7,950.00	7,073.99	8,916.12	7,948.36	31.17	33.12	161.40	-330.17	1,098.83	922.87	896.47	26.39	34.964		
8,000.00	7,074.88	8,978.61	7,948.39	32.25	34.48	161.17	-335.76	1,161.07	922.97	895.34	27.63	33.405		
8,050.00	7,075.78	9,044.10	7,947.72	33.35	35.91	160.98	-340.43	1,226.38	922.27	893.39	28.88	31.929		
8,100.00	7,076.67	9,094.17	7,947.08	34.45	37.02	160.89	-343.10	1,276.37	921.16	891.23	29.93	30.778		
8,150.00	7,077.56	9,144.28	7,946.72	35.57	38.14	160.85	-344.91	1,326.45	920.04	889.11	30.94	29.739		
8,200.00	7,078.46	9,194.43	7,946.68	36.69	39.26	160.88	-345.82	1,376.60	918.92	887.02	31.90	28.809		
8,250.00	7,079.35	9,243.23	7,946.95	37.83	40.36	160.96	-345.79	1,425.39	917.80	885.00	32.80	27.986		
8,300.00	7,080.24	9,287.01	7,947.51	38.97	41.35	161.06	-345.45	1,469.17	916.91	883.28	33.63	27.267		
8,350.00	7,081.14	9,331.15	7,948.42	40.12	42.34	161.17	-345.01	1,513.29	916.35	881.50	34.45	26.600		
8,400.00	7,082.03	9,394.84	7,949.57	41.27	43.79	161.36	-343.98	1,576.97	915.58	880.19	35.39	25.870		

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 8H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Reference Site:	Diamond PWU 22	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Diamond PWU Offsets - D-PWU-22 4H - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 100-MWD													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Tooface (')	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
8,450.00	7,082.92	9,448.75	7,950.03	42.43	45.03	161.53	-342.62	1,630.85	914.21	877.96	36.24	25.224		
8,500.00	7,083.82	9,493.89	7,950.57	43.60	46.06	161.69	-341.39	1,675.98	912.99	875.96	37.02	24.660		
8,550.00	7,084.71	9,546.94	7,951.39	44.77	47.29	161.87	-339.93	1,729.00	911.95	874.10	37.84	24.098		
8,600.00	7,085.60	9,611.88	7,951.46	45.94	48.79	162.07	-338.44	1,793.92	910.29	871.53	38.77	23.482		
8,650.00	7,086.50	9,657.94	7,951.13	47.12	49.87	162.19	-337.55	1,839.97	908.30	868.72	39.58	22.949		
8,700.00	7,087.39	9,702.74	7,951.06	48.30	50.91	162.31	-336.71	1,884.76	906.59	866.22	40.38	22.454		
8,750.00	7,088.28	9,746.40	7,951.26	49.49	51.94	162.43	-335.91	1,928.41	905.20	864.04	41.16	21.994		
8,800.00	7,089.18	9,789.77	7,951.81	50.68	52.96	162.56	-335.09	1,971.77	904.17	862.25	41.92	21.568		
8,850.00	7,090.07	9,843.80	7,952.71	51.87	54.23	162.73	-333.99	2,025.78	903.34	860.60	42.74	21.137		
8,900.00	7,090.96	9,903.00	7,953.11	53.06	55.63	162.92	-332.57	2,084.97	901.97	858.40	43.57	20.700		
8,950.00	7,091.86	9,948.47	7,953.32	54.26	56.71	163.07	-331.43	2,130.42	900.49	856.17	44.32	20.317		
9,000.00	7,092.75	9,998.00	7,953.87	55.46	57.88	163.23	-330.27	2,179.93	899.36	854.28	45.08	19.948		
9,050.00	7,093.64	10,044.14	7,954.42	56.66	58.98	163.37	-329.43	2,226.06	898.34	852.50	45.84	19.596		
9,100.00	7,094.54	10,096.47	7,954.76	57.87	60.23	163.49	-328.96	2,278.39	897.20	850.52	46.68	19.222		
9,150.00	7,095.43	10,144.49	7,954.95	59.08	61.39	163.58	-328.90	2,326.41	896.06	848.54	47.51	18.860		
9,200.00	7,096.32	10,189.00	7,955.15	60.28	62.45	163.65	-329.08	2,370.92	895.03	846.69	48.34	18.517		
9,250.00	7,097.22	10,237.62	7,955.51	61.49	63.63	163.71	-329.47	2,419.54	894.19	844.98	49.21	18.173		
9,300.00	7,098.11	10,284.00	7,956.08	62.71	64.75	163.77	-329.98	2,465.91	893.62	843.56	50.06	17.851		
9,349.78	7,099.00	10,331.37	7,956.81	63.91	65.89	163.82	-330.59	2,513.27	893.22	842.30	50.92	17.541		
9,350.00	7,099.00	10,331.59	7,956.81	63.92	65.90	163.82	-330.59	2,513.49	893.22	842.29	50.92	17.540		
9,353.43	7,099.06	10,334.93	7,956.86	64.00	65.98	163.83	-330.63	2,516.83	893.19	842.21	50.98	17.521		
9,400.00	7,099.84	10,380.35	7,957.61	65.14	67.08	163.88	-331.24	2,562.24	892.94	841.15	51.79	17.241		
9,450.00	7,100.67	10,430.27	7,958.48	66.35	68.29	163.94	-331.88	2,612.14	892.71	840.04	52.67	16.950		
9,500.00	7,101.50	10,479.95	7,959.38	67.57	69.49	164.01	-332.43	2,661.82	892.49	838.96	53.53	16.673		
9,550.00	7,102.32	10,527.13	7,960.33	68.79	70.64	164.07	-332.93	2,708.98	892.35	837.99	54.37	16.413		
9,566.50	7,102.60	10,542.70	7,960.67	69.19	71.01	164.10	-333.11	2,724.55	892.35	837.70	54.64	16.330		
9,600.00	7,103.15	10,574.92	7,961.43	70.01	71.80	164.14	-333.49	2,756.76	892.38	837.17	55.21	16.164		
9,650.00	7,103.98	10,634.63	7,962.44	71.23	73.25	164.20	-334.48	2,816.45	892.18	836.01	56.17	15.882		
9,700.00	7,104.81	10,687.91	7,962.72	72.45	74.55	164.22	-335.78	2,869.72	891.52	834.37	57.14	15.601		
9,750.00	7,105.64	10,733.07	7,963.00	73.68	75.65	164.21	-337.18	2,914.85	891.00	832.93	58.07	15.344		
9,800.00	7,106.47	10,777.64	7,963.46	74.90	76.74	164.20	-338.80	2,959.38	890.75	831.75	59.01	15.096		
9,810.51	7,106.65	10,786.74	7,963.59	75.16	76.97	164.19	-339.15	2,968.48	890.75	831.54	59.20	15.045		
9,850.00	7,107.30	10,820.92	7,964.19	76.13	77.80	164.18	-340.52	3,002.63	890.86	830.92	59.94	14.862		
9,900.00	7,108.13	10,865.89	7,965.27	77.36	78.91	164.16	-342.40	3,047.55	891.34	830.45	60.89	14.637		
9,950.00	7,108.96	10,926.50	7,966.45	78.58	80.39	164.12	-345.00	3,108.09	891.63	829.60	62.03	14.374		
10,000.00	7,109.79	10,976.36	7,966.99	79.81	81.62	164.09	-347.06	3,157.91	891.47	828.42	63.05	14.138		
10,000.62	7,109.80	10,976.86	7,967.00	79.83	81.63	164.09	-347.08	3,158.40	891.47	828.40	63.06	14.136		
10,050.00	7,110.62	11,016.04	7,967.93	81.04	82.59	164.10	-348.17	3,197.56	891.75	827.85	63.90	13.956		
10,100.00	7,111.45	11,057.42	7,969.59	82.27	83.60	164.17	-348.72	3,238.90	892.61	827.94	64.66	13.804		
10,150.00	7,112.28	11,115.65	7,972.03	83.50	85.03	164.30	-348.90	3,297.07	893.43	827.96	65.47	13.646		
10,200.00	7,113.11	11,170.12	7,973.96	84.73	86.36	164.44	-348.71	3,351.51	893.85	827.62	66.23	13.497		
10,250.00	7,113.94	11,219.93	7,975.60	85.97	87.58	164.55	-348.70	3,401.29	894.20	827.23	66.97	13.352		
10,300.00	7,114.77	11,272.72	7,977.25	87.20	88.87	164.66	-348.88	3,454.06	894.53	826.77	67.76	13.202		
10,350.00	7,115.60	11,328.28	7,978.73	88.43	90.24	164.78	-348.85	3,509.60	894.58	826.04	68.53	13.053		
10,400.00	7,116.43	11,383.82	7,979.92	89.67	91.60	164.92	-348.56	3,565.13	894.32	825.04	69.28	12.908		
10,450.00	7,117.26	11,436.00	7,980.76	90.90	92.88	165.05	-348.12	3,617.30	893.76	823.76	70.00	12.768		
10,500.00	7,118.09	11,478.76	7,981.59	92.14	93.93	165.17	-347.67	3,660.04	893.36	822.71	70.65	12.645		
10,511.27	7,118.27	11,487.84	7,981.84	92.41	94.15	165.19	-347.57	3,669.12	893.35	822.56	70.79	12.619		
10,560.00	7,118.92	11,519.07	7,982.85	93.37	94.92	165.29	-347.21	3,700.33	893.51	822.24	71.27	12.537		
10,600.00	7,119.75	11,562.51	7,984.63	94.61	95.99	165.42	-346.74	3,743.74	894.15	822.26	71.88	12.439		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 8H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Reference Site:	Diamond PWU 22	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Diamond PWU Offsets - D-PWU-22 4H - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 100-MWD													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (usft)	Offset Wellbore Centre +E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,650.00	7,120.58	11,607.29	7,986.68	95.84	97.09	165.55	-346.49	3,788.47	895.08	822.56	72.52	12.342		
10,700.00	7,121.41	11,655.59	7,989.07	97.08	98.27	165.67	-346.46	3,836.71	896.26	823.07	73.19	12.245		
10,750.00	7,122.24	11,706.67	7,991.52	98.32	99.53	165.79	-346.57	3,887.73	897.41	823.52	73.89	12.145		
10,800.00	7,123.07	11,759.20	7,993.90	99.56	100.83	165.90	-346.88	3,940.20	898.48	823.86	74.62	12.041		
10,850.00	7,123.89	11,812.43	7,996.03	100.79	102.14	165.99	-347.53	3,993.38	899.37	823.97	75.40	11.928		
10,900.00	7,124.72	11,864.44	7,997.83	102.03	103.92	166.06	-348.82	4,065.36	899.63	823.25	76.38	11.779		
10,950.00	7,125.55	11,943.87	7,998.00	103.27	105.39	166.09	-350.00	4,124.78	898.78	821.46	77.32	11.624		
11,000.00	7,126.38	11,993.87	7,998.07	104.51	106.62	166.14	-350.76	4,174.77	897.84	819.68	78.16	11.488		
11,050.00	7,127.21	12,039.08	7,998.26	105.75	107.74	166.19	-351.27	4,219.97	896.99	818.06	78.93	11.365		
11,100.00	7,128.04	12,082.22	7,998.77	106.99	108.81	166.24	-351.79	4,263.11	896.50	816.83	79.68	11.252		
11,150.00	7,128.87	12,128.76	7,999.62	108.23	109.96	166.30	-352.39	4,309.64	896.36	815.92	80.44	11.143		
11,200.00	7,129.70	12,179.09	8,000.54	109.47	111.21	166.35	-353.20	4,359.96	896.25	815.00	81.25	11.031		
11,250.00	7,130.53	12,229.52	8,001.41	110.71	112.45	166.39	-354.17	4,410.37	896.12	814.04	82.08	10.918		
11,300.00	7,131.36	12,280.02	8,002.24	111.95	113.71	166.43	-355.17	4,460.85	895.96	813.05	82.91	10.806		
11,341.28	7,132.05	12,318.23	8,002.89	112.98	114.65	166.46	-355.91	4,499.04	895.86	812.29	83.57	10.720		
11,350.00	7,132.19	12,325.82	8,003.05	113.20	114.84	166.47	-356.04	4,506.63	895.86	812.16	83.70	10.703		
11,400.00	7,133.02	12,369.23	8,004.18	114.44	115.92	166.53	-356.64	4,550.02	896.11	811.68	84.43	10.613		
11,450.00	7,133.85	12,419.08	8,005.84	115.68	117.15	166.61	-357.08	4,599.84	896.65	811.50	85.15	10.530		
11,500.00	7,134.68	12,476.76	8,007.40	116.92	118.58	166.71	-357.57	4,657.51	896.88	810.66	85.91	10.439		
11,550.00	7,135.51	12,536.14	8,008.41	118.16	120.05	166.79	-358.12	4,716.87	896.64	809.93	86.71	10.341		
11,600.00	7,136.34	12,583.00	8,008.74	119.41	121.21	166.85	-358.60	4,763.73	895.94	808.48	87.45	10.245		
11,650.00	7,137.17	12,632.16	8,009.17	120.65	122.43	166.91	-359.20	4,812.88	895.33	807.11	88.22	10.149		
11,669.90	7,137.50	12,648.25	8,009.45	121.14	122.83	166.92	-359.43	4,828.97	895.26	806.76	88.50	10.116		
11,700.00	7,138.00	12,678.00	8,010.13	121.89	123.57	166.96	-359.90	4,858.71	895.33	806.37	88.97	10.064		
11,700.93	7,138.01	12,678.00	8,010.13	121.92	123.57	166.96	-359.90	4,858.71	895.33	806.36	88.97	10.063		
11,750.00	7,138.83	12,719.00	8,011.31	123.14	124.58	167.01	-360.49	4,899.68	895.69	806.03	89.66	9.990		
11,800.00	7,139.66	12,766.32	8,012.86	124.38	125.76	167.09	-360.93	4,946.97	896.21	805.66	90.35	9.919		
11,850.00	7,140.49	12,822.50	8,014.67	125.62	127.15	167.20	-361.21	5,003.13	896.68	805.63	91.04	9.849		
11,900.00	7,141.32	12,880.40	8,016.07	126.87	128.58	167.31	-361.36	5,061.01	896.72	804.99	91.74	9.775		
11,950.00	7,142.15	12,939.11	8,017.01	128.11	130.04	167.44	-361.16	5,119.71	896.30	803.91	92.39	9.701		
12,000.00	7,142.98	12,996.81	8,017.45	129.36	131.47	167.59	-360.61	5,177.41	895.41	802.42	92.99	9.629		
12,050.00	7,143.81	13,053.88	8,017.43	130.60	132.88	167.73	-360.01	5,234.47	894.12	800.52	93.60	9.553		
12,100.00	7,144.64	13,096.40	8,017.41	131.85	133.93	167.84	-359.53	5,276.99	892.82	798.67	94.15	9.483		
12,150.00	7,145.46	13,138.08	8,017.79	133.09	134.97	167.95	-358.99	5,318.66	891.99	797.31	94.68	9.421		
12,200.00	7,146.29	13,182.42	8,018.60	134.34	136.06	168.08	-358.36	5,362.99	891.58	796.39	95.18	9.367		
12,250.00	7,147.12	13,228.09	8,019.67	135.58	137.19	168.22	-357.66	5,408.65	891.42	795.75	95.67	9.318		
12,256.73	7,147.24	13,234.24	8,019.83	135.75	137.35	168.24	-357.56	5,414.79	891.42	795.68	95.73	9.311		
12,300.00	7,147.95	13,271.30	8,020.93	136.83	138.26	168.36	-356.96	5,451.83	891.55	795.41	96.14	9.274		
12,350.00	7,148.78	13,312.74	8,022.52	138.07	139.29	168.50	-356.30	5,493.24	892.14	795.55	96.59	9.236		
12,400.00	7,149.61	13,354.59	8,024.54	139.32	140.33	168.64	-355.66	5,535.04	893.21	796.18	97.03	9.205		
12,450.00	7,150.44	13,397.43	8,026.96	140.57	141.39	168.79	-354.97	5,577.79	894.71	797.25	97.45	9.181		
12,500.00	7,151.27	13,440.69	8,029.77	141.81	142.46	168.95	-354.24	5,620.96	896.60	798.75	97.86	9.162		
12,543.88	7,152.00	13,483.87	8,032.76	142.90	143.52	169.12	-353.39	5,664.03	898.44	800.26	98.18	9.151		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 8H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Reference Site:	Diamond PWU 22	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Diamond PWU Offsets - PWU 21 - OH - OH													Offset Site Error:
Survey Program: 200-NS-GYRO-MS													Offset Well Error:
Reference	Offset	Semi Major Axis		Distance		Minimum		Separation		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	88.36	122.67	4,272.75	4,274.52				
50.00	50.00	50.58	50.58	0.02	0.06	88.36	122.62	4,272.75	4,274.51	4,274.43	0.08	N/A	
100.00	100.00	101.15	101.15	0.08	0.12	88.36	122.45	4,272.75	4,274.50	4,274.31	0.20	N/A	
150.00	150.00	151.73	151.73	0.19	0.17	88.36	122.17	4,272.74	4,274.48	4,274.12	0.37	N/A	
200.00	200.00	202.31	202.31	0.31	0.23	88.37	121.78	4,272.73	4,274.46	4,273.92	0.54	7,910.053	
250.00	250.00	253.03	253.03	0.42	0.37	88.37	121.26	4,272.71	4,274.43	4,273.64	0.79	5,428.571	
300.00	300.00	303.66	303.65	0.53	0.50	88.38	120.61	4,272.69	4,274.39	4,273.36	1.03	4,133.194	
350.00	350.00	354.18	354.16	0.64	0.64	88.39	119.84	4,272.66	4,274.35	4,273.06	1.28	3,337.580	
400.00	400.00	404.70	404.67	0.76	0.77	88.40	118.98	4,272.63	4,274.29	4,272.77	1.53	2,798.825	
450.00	450.00	455.21	455.18	0.87	0.91	88.42	118.01	4,272.60	4,274.24	4,272.46	1.77	2,409.831	
500.00	500.00	505.43	505.38	0.98	1.04	88.43	116.95	4,272.57	4,274.17	4,272.15	2.02	2,116.601	
550.00	550.00	554.41	554.36	1.09	1.17	88.44	116.02	4,272.54	4,274.12	4,271.85	2.26	1,889.751	
600.00	600.00	603.40	603.35	1.20	1.30	88.45	115.28	4,272.51	4,274.07	4,271.57	2.50	1,706.809	
650.00	650.00	652.40	652.34	1.32	1.43	88.46	114.73	4,272.50	4,274.04	4,271.29	2.75	1,556.154	
700.00	700.00	701.40	701.34	1.43	1.56	88.47	114.37	4,272.49	4,274.02	4,271.03	2.99	1,429.936	
750.00	750.00	751.63	751.56	1.54	1.69	88.47	114.11	4,272.48	4,274.00	4,270.77	3.23	1,321.324	
800.00	800.00	802.23	802.16	1.65	1.83	88.48	113.74	4,272.46	4,273.98	4,270.50	3.48	1,227.689	
850.00	850.00	852.83	852.76	1.77	1.96	88.48	113.25	4,272.45	4,273.95	4,270.22	3.73	1,146.446	
900.00	900.00	903.43	903.36	1.88	2.10	88.49	112.63	4,272.43	4,273.91	4,269.94	3.97	1,075.279	
950.00	950.00	954.12	954.04	1.99	2.23	88.50	111.88	4,272.40	4,273.87	4,269.65	4.22	1,012.368	
1,000.00	1,000.00	1,004.80	1,004.71	2.10	2.37	88.51	111.00	4,272.38	4,273.82	4,269.35	4.47	956.412	
1,050.00	1,050.00	1,055.47	1,055.38	2.22	2.50	88.53	109.97	4,272.34	4,273.76	4,269.05	4.72	906.317	
1,100.00	1,100.00	1,106.14	1,106.03	2.33	2.64	88.54	108.80	4,272.30	4,273.69	4,268.73	4.96	861.209	
1,150.00	1,150.00	1,156.80	1,156.68	2.44	2.77	88.56	107.50	4,272.26	4,273.62	4,268.41	5.21	820.378	
1,200.00	1,200.00	1,207.46	1,207.31	2.55	2.91	88.58	106.06	4,272.22	4,273.54	4,268.08	5.46	783.244	
1,250.00	1,250.00	1,258.10	1,257.93	2.67	3.04	88.60	104.48	4,272.16	4,273.45	4,267.75	5.70	749.327	
1,300.00	1,300.00	1,308.56	1,308.36	2.78	3.17	88.62	102.76	4,272.11	4,273.35	4,267.40	5.95	718.285	
1,350.00	1,350.00	1,358.12	1,357.90	2.89	3.31	88.64	101.09	4,272.05	4,273.26	4,267.06	6.19	689.974	
1,400.00	1,400.00	1,407.69	1,407.44	3.00	3.44	88.67	99.50	4,272.00	4,273.17	4,266.73	6.44	663.809	
1,450.00	1,450.00	1,457.27	1,457.00	3.12	3.57	88.69	98.00	4,271.95	4,273.08	4,266.40	6.68	639.553	
1,500.00	1,500.00	1,506.85	1,506.56	3.23	3.70	88.70	96.57	4,271.91	4,273.00	4,266.08	6.93	617.007	
1,550.00	1,550.00	1,556.44	1,556.12	3.34	3.84	88.72	95.23	4,271.86	4,272.93	4,265.76	7.17	595.995	
1,600.00	1,600.00	1,606.03	1,605.70	3.45	3.97	88.74	93.98	4,271.82	4,272.86	4,265.45	7.41	576.367	
1,650.00	1,650.00	1,655.62	1,655.28	3.56	4.10	88.76	92.80	4,271.78	4,272.80	4,265.14	7.66	557.989	
1,700.00	1,700.00	1,705.38	1,705.02	3.68	4.23	88.77	91.71	4,271.75	4,272.74	4,264.83	7.90	540.718	
1,750.00	1,750.00	1,755.37	1,755.00	3.79	4.36	88.78	90.62	4,271.71	4,272.68	4,264.53	8.15	524.445	
1,800.00	1,800.00	1,805.36	1,804.98	3.90	4.50	88.80	89.53	4,271.68	4,272.62	4,264.23	8.39	509.122	
1,850.00	1,850.00	1,855.35	1,854.95	4.01	4.63	88.81	88.44	4,271.64	4,272.56	4,263.92	8.64	494.669	
1,900.00	1,900.00	1,905.33	1,904.93	4.13	4.76	88.83	87.35	4,271.61	4,272.50	4,263.62	8.88	481.013	
1,950.00	1,950.00	1,955.43	1,955.01	4.24	4.90	88.84	86.25	4,271.57	4,272.45	4,263.32	9.13	468.076	
2,000.00	2,000.00	2,005.65	2,005.22	4.35	5.03	88.86	85.10	4,271.53	4,272.39	4,263.01	9.37	455.799	
2,050.00	2,050.00	2,055.87	2,055.43	4.46	5.16	88.87	83.91	4,271.50	4,272.32	4,262.70	9.62	444.149	
2,100.00	2,100.00	2,106.09	2,105.63	4.58	5.30	88.89	82.65	4,271.46	4,272.26	4,262.39	9.86	433.080	
2,150.00	2,150.00	2,156.09	2,155.62	4.69	5.43	88.91	81.36	4,271.41	4,272.19	4,262.08	10.11	422.572	
2,200.00	2,200.00	2,205.61	2,205.12	4.80	5.56	88.92	80.15	4,271.37	4,272.13	4,261.78	10.35	412.614	
2,250.00	2,250.00	2,255.14	2,254.64	4.91	5.69	88.94	79.05	4,271.34	4,272.07	4,261.47	10.60	403.114	
2,300.00	2,300.00	2,304.67	2,304.15	5.03	5.83	88.95	78.04	4,271.31	4,272.02	4,261.18	10.84	394.041	
2,350.00	2,350.00	2,354.29	2,353.77	5.14	5.96	88.97	77.14	4,271.28	4,271.97	4,260.89	11.09	385.360	
2,400.00	2,400.00	2,404.28	2,403.75	5.25	6.09	88.98	76.27	4,271.25	4,271.93	4,260.60	11.33	377.021	
2,450.00	2,450.00	2,454.27	2,453.73	5.36	6.22	88.99	75.40	4,271.22	4,271.89	4,260.31	11.58	369.034	
2,500.00	2,500.00	2,504.26	2,503.72	5.48	6.36	89.00	74.53	4,271.19	4,271.84	4,260.02	11.82	361.379	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 8H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Reference Site:	Diamond PWU 22	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Diamond PWU Offsets - PWU 21 - OH - OH													Offset Site Error:
Survey Program: 200-NS-GYRO-MS													0.00 usft
Reference		Offset		Semi Major Axis		Highside Tooface. (')	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
2,550.00	2,550.00	2,554.26	2,553.70	5.59	6.49	89.01	73.66	4,271.16	4,271.80	4,259.73	12.07	354.035	
2,600.00	2,600.00	2,604.25	2,603.69	5.70	6.62	89.02	72.78	4,271.13	4,271.76	4,259.45	12.31	346.983	
2,650.00	2,650.00	2,654.20	2,653.63	5.81	6.76	89.04	71.91	4,271.11	4,271.71	4,259.16	12.56	340.210	
2,700.00	2,700.00	2,704.11	2,703.54	5.92	6.89	89.05	71.06	4,271.08	4,271.67	4,258.87	12.80	333.698	
2,750.00	2,750.00	2,754.02	2,753.44	6.04	7.02	89.06	70.23	4,271.05	4,271.63	4,258.58	13.05	327.431	
2,800.00	2,800.00	2,803.94	2,803.35	6.15	7.15	89.07	69.42	4,271.03	4,271.59	4,258.30	13.29	321.396	
2,850.00	2,850.00	2,853.85	2,853.26	6.26	7.29	89.08	68.63	4,271.00	4,271.55	4,258.02	13.54	315.578	
2,900.00	2,900.00	2,903.76	2,903.16	6.37	7.42	89.09	67.85	4,270.97	4,271.51	4,257.73	13.78	309.967	
2,950.00	2,950.00	2,953.68	2,953.07	6.49	7.55	89.10	67.10	4,270.95	4,271.48	4,257.45	14.03	304.553	
3,000.00	3,000.00	3,003.59	3,002.98	6.60	7.68	89.11	66.36	4,270.93	4,271.44	4,257.17	14.27	299.324	
3,050.00	3,050.00	3,053.51	3,052.89	6.71	7.82	89.12	65.65	4,270.90	4,271.41	4,256.89	14.52	294.272	
3,100.00	3,100.00	3,103.42	3,102.80	6.82	7.95	89.13	64.95	4,270.88	4,271.38	4,256.61	14.76	289.387	
3,150.00	3,150.00	3,153.34	3,152.72	6.94	8.08	89.14	64.27	4,270.86	4,271.34	4,256.34	15.00	284.662	
3,200.00	3,200.00	3,203.28	3,202.65	7.05	8.21	89.15	63.61	4,270.84	4,271.31	4,256.06	15.25	280.088	
3,250.00	3,250.00	3,253.27	3,252.64	7.16	8.35	89.16	62.96	4,270.82	4,271.28	4,255.79	15.50	275.655	
3,300.00	3,300.00	3,303.27	3,302.63	7.27	8.48	89.16	62.30	4,270.79	4,271.25	4,255.51	15.74	271.361	
3,350.00	3,350.00	3,353.26	3,352.62	7.39	8.61	89.17	61.65	4,270.77	4,271.22	4,255.23	15.99	267.198	
3,400.00	3,400.00	3,403.26	3,402.61	7.50	8.75	89.18	61.00	4,270.75	4,271.19	4,254.96	16.23	263.161	
3,450.00	3,450.00	3,453.26	3,452.60	7.61	8.88	89.19	60.34	4,270.73	4,271.16	4,254.68	16.48	259.244	
3,500.00	3,500.00	3,503.25	3,502.60	7.72	9.01	89.20	59.69	4,270.71	4,271.13	4,254.41	16.72	255.443	
3,550.00	3,550.00	3,553.25	3,552.59	7.84	9.14	89.21	59.03	4,270.69	4,271.10	4,254.13	16.97	251.750	
3,600.00	3,600.00	3,603.24	3,602.58	7.95	9.28	89.22	58.38	4,270.67	4,271.07	4,253.86	17.21	248.163	
3,650.00	3,650.00	3,653.24	3,652.57	8.06	9.41	89.23	57.72	4,270.65	4,271.04	4,253.58	17.46	244.677	
3,700.00	3,700.00	3,703.23	3,702.56	8.17	9.54	89.23	57.07	4,270.62	4,271.01	4,253.31	17.70	241.288	
3,750.00	3,750.00	3,753.23	3,752.57	8.28	9.68	89.24	56.42	4,270.60	4,270.98	4,253.03	17.95	237.990	
3,800.00	3,800.00	3,803.31	3,802.63	8.40	9.81	89.25	55.75	4,270.58	4,270.95	4,252.75	18.19	234.779	
3,850.00	3,850.00	3,853.38	3,852.69	8.51	9.94	89.26	55.06	4,270.56	4,270.92	4,252.48	18.44	231.654	
3,900.00	3,900.00	3,903.44	3,902.75	8.62	10.07	89.27	54.36	4,270.54	4,270.88	4,252.20	18.68	228.611	
3,950.00	3,950.00	3,953.51	3,952.81	8.73	10.21	89.28	53.63	4,270.51	4,270.85	4,251.92	18.93	225.646	
4,000.00	4,000.00	4,003.57	4,002.87	8.85	10.34	89.29	52.89	4,270.49	4,270.82	4,251.64	19.17	222.758	
4,050.00	4,050.00	4,053.63	4,052.92	8.96	10.47	89.30	52.13	4,270.46	4,270.78	4,251.37	19.42	219.942	
4,100.00	4,100.00	4,103.69	4,102.98	9.07	10.61	89.31	51.36	4,270.44	4,270.75	4,251.09	19.66	217.197	
4,150.00	4,150.00	4,153.76	4,153.04	9.18	10.74	89.32	50.56	4,270.41	4,270.71	4,250.81	19.91	214.519	
4,200.00	4,200.00	4,203.82	4,203.09	9.30	10.87	89.33	49.75	4,270.39	4,270.68	4,250.52	20.15	211.906	
4,250.00	4,250.00	4,253.88	4,253.14	9.41	11.01	89.34	48.92	4,270.36	4,270.64	4,250.24	20.40	209.357	
4,300.00	4,300.00	4,303.94	4,303.20	9.52	11.14	89.35	48.08	4,270.33	4,270.60	4,249.96	20.64	206.867	
4,350.00	4,350.00	4,353.99	4,353.24	9.63	11.27	89.37	47.21	4,270.30	4,270.57	4,249.68	20.89	204.437	
4,400.00	4,400.00	4,403.98	4,403.23	9.75	11.40	89.38	46.34	4,270.28	4,270.53	4,249.39	21.13	202.064	
4,450.00	4,450.00	4,453.98	4,453.21	9.86	11.54	89.39	45.47	4,270.25	4,270.49	4,249.11	21.38	199.746	
4,500.00	4,500.00	4,503.97	4,503.20	9.97	11.67	89.40	44.59	4,270.22	4,270.45	4,248.83	21.62	197.480	
4,550.00	4,550.00	4,553.96	4,553.18	10.08	11.80	89.41	43.72	4,270.19	4,270.42	4,248.55	21.87	195.265	
4,600.00	4,600.00	4,603.95	4,603.17	10.20	11.94	89.43	42.85	4,270.16	4,270.38	4,248.26	22.11	193.099	
4,650.00	4,650.00	4,653.94	4,653.15	10.31	12.07	89.44	41.98	4,270.13	4,270.34	4,247.98	22.36	190.981	
4,700.00	4,700.00	4,703.94	4,703.14	10.42	12.20	89.45	41.11	4,270.11	4,270.31	4,247.70	22.61	188.909	
4,750.00	4,750.00	4,753.93	4,753.12	10.53	12.33	89.46	40.23	4,270.08	4,270.27	4,247.42	22.85	186.881	
4,800.00	4,800.00	4,803.92	4,803.11	10.64	12.47	89.47	39.36	4,270.05	4,270.23	4,247.14	23.10	184.896	
4,850.00	4,850.00	4,853.91	4,853.09	10.76	12.60	89.48	38.49	4,270.02	4,270.20	4,246.86	23.34	182.953	
4,900.00	4,900.00	4,903.91	4,903.08	10.87	12.73	89.50	37.62	4,269.99	4,270.16	4,246.57	23.59	181.050	
4,950.00	4,950.00	4,953.90	4,953.06	10.98	12.87	89.51	36.75	4,269.96	4,270.12	4,246.29	23.83	179.186	
5,000.00	5,000.00	5,003.89	5,003.04	11.09	13.00	89.52	35.87	4,269.94	4,270.09	4,246.01	24.08	177.361	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 8H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Reference Site:	Diamond PWU 22	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Diamond PWU Offsets - PWU 21 - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 200-NS-GYRO-MS														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
5,050.00	5,050.00	5,053.88	5,053.03	11.21	13.13	89.53	35.00	4,269.91	4,270.05	4,245.73	24.32	175.572			
5,100.00	5,100.00	5,103.88	5,103.01	11.32	13.26	89.54	34.13	4,269.88	4,270.02	4,245.45	24.57	173.819			
5,150.00	5,150.00	5,153.87	5,153.00	11.43	13.40	89.55	33.26	4,269.85	4,269.98	4,245.17	24.81	172.100			
5,200.00	5,200.00	5,203.86	5,202.98	11.54	13.53	89.57	32.39	4,269.82	4,269.95	4,244.89	25.06	170.415			
5,250.00	5,250.00	5,253.85	5,252.97	11.66	13.66	89.58	31.51	4,269.79	4,269.91	4,244.61	25.30	168.763			
5,300.00	5,300.00	5,303.85	5,302.95	11.77	13.80	89.59	30.64	4,269.77	4,269.88	4,244.33	25.55	167.142			
5,350.00	5,350.00	5,353.84	5,352.94	11.88	13.93	89.60	29.77	4,269.74	4,269.84	4,244.05	25.79	165.553			
5,400.00	5,400.00	5,403.89	5,402.98	11.99	14.06	89.61	28.89	4,269.71	4,269.81	4,243.77	26.04	163.992			
5,450.00	5,450.00	5,453.96	5,453.04	12.11	14.20	89.62	27.99	4,269.68	4,269.77	4,243.49	26.28	162.460			
5,500.00	5,500.00	5,504.02	5,503.10	12.22	14.33	89.64	27.06	4,269.65	4,269.74	4,243.21	26.53	160.956			
5,550.00	5,550.00	5,554.09	5,553.16	12.33	14.46	89.65	26.11	4,269.62	4,269.70	4,242.93	26.77	159.480			
5,600.00	5,600.00	5,604.15	5,603.21	12.44	14.59	89.66	25.14	4,269.59	4,269.66	4,242.65	27.02	158.031			
5,650.00	5,650.00	5,654.22	5,653.27	12.56	14.73	89.68	24.15	4,269.56	4,269.63	4,242.36	27.26	156.608			
5,700.00	5,700.00	5,704.28	5,703.32	12.67	14.86	89.69	23.13	4,269.52	4,269.59	4,242.08	27.51	155.210			
5,750.00	5,750.00	5,754.34	5,753.37	12.78	14.99	89.70	22.10	4,269.49	4,269.55	4,241.79	27.75	153.836			
5,800.00	5,800.00	5,804.40	5,803.42	12.89	15.13	89.72	21.04	4,269.45	4,269.51	4,241.51	28.00	152.487			
5,850.00	5,850.00	5,854.46	5,853.46	13.00	15.26	89.73	19.95	4,269.42	4,269.47	4,241.22	28.24	151.162			
5,900.00	5,900.00	5,904.44	5,903.43	13.12	15.39	89.75	18.86	4,269.38	4,269.43	4,240.94	28.49	149.860			
5,950.00	5,950.00	5,954.43	5,953.41	13.23	15.53	89.76	17.77	4,269.35	4,269.39	4,240.65	28.73	148.580			
6,000.00	6,000.00	6,004.42	6,003.39	13.34	15.66	89.78	16.68	4,269.31	4,269.35	4,240.37	28.98	147.322			
6,050.00	6,050.00	6,054.41	6,053.36	13.45	15.79	89.79	15.59	4,269.28	4,269.31	4,240.08	29.22	146.085			
6,100.00	6,100.00	6,104.40	6,103.34	13.57	15.93	89.81	14.50	4,269.24	4,269.27	4,239.80	29.47	144.869			
6,150.00	6,150.00	6,154.38	6,153.32	13.68	16.06	89.82	13.41	4,269.21	4,269.23	4,239.51	29.71	143.673			
6,200.00	6,200.00	6,204.37	6,203.29	13.79	16.19	89.83	12.32	4,269.17	4,269.19	4,239.23	29.96	142.496			
6,250.00	6,250.00	6,254.36	6,253.27	13.90	16.32	89.85	11.23	4,269.14	4,269.15	4,238.95	30.21	141.339			
6,300.00	6,300.00	6,304.35	6,303.24	14.02	16.46	89.86	10.14	4,269.10	4,269.11	4,238.66	30.45	140.200			
6,350.00	6,350.00	6,354.34	6,353.23	14.13	16.59	89.88	9.05	4,269.07	4,269.08	4,238.38	30.70	139.079			
6,400.00	6,400.00	6,404.46	6,403.33	14.24	16.72	89.89	7.94	4,269.03	4,269.04	4,238.10	30.94	137.974			
6,450.00	6,450.00	6,454.57	6,453.43	14.35	16.86	89.91	6.78	4,268.99	4,269.00	4,237.81	31.19	136.887			
6,495.00	6,495.00	6,495.61	6,494.46	14.45	16.97	89.92	5.60	4,268.96	4,268.97	4,237.58	31.39	136.010			
6,500.00	6,500.00	6,504.68	6,503.52	14.46	16.99	-1.93	5.58	4,268.95	4,268.89	4,237.44	31.45	135.731			
6,550.00	6,549.90	6,554.68	6,553.51	14.56	17.12	-1.93	4.33	4,268.91	4,268.88	4,234.35	31.52	135.319			
6,600.00	6,599.34	6,604.24	6,603.05	14.66	17.26	-1.94	3.06	4,268.87	4,258.53	4,227.17	31.37	135.769			
6,650.00	6,647.97	6,652.96	6,651.75	14.77	17.39	-1.97	1.76	4,268.83	4,246.91	4,215.94	30.97	137.115			
6,700.00	6,695.39	6,700.48	6,699.26	14.88	17.51	-2.02	0.46	4,268.79	4,231.09	4,200.75	30.35	139.421			
6,750.00	6,741.26	6,746.45	6,745.20	15.00	17.63	-2.08	-0.83	4,268.74	4,211.21	4,181.71	29.49	142.788			
6,800.00	6,785.23	6,790.50	6,789.24	15.14	17.75	-2.18	-2.11	4,268.70	4,187.40	4,158.98	28.42	147.362			
6,850.00	6,826.96	6,832.30	6,831.03	15.30	17.86	-2.30	-3.35	4,268.66	4,159.86	4,132.73	27.13	153.350			
6,900.00	6,866.13	6,871.59	6,870.29	15.49	17.97	-2.46	-4.55	4,268.62	4,128.78	4,103.14	25.64	161.033			
6,950.00	6,902.44	6,908.10	6,906.78	15.73	18.06	-2.67	-5.71	4,268.59	4,094.42	4,070.44	23.97	170.798			
7,000.00	6,935.62	6,941.45	6,940.12	16.01	18.15	-2.95	-6.82	4,268.55	4,057.02	4,034.87	22.15	183.172			
7,050.00	6,965.42	6,971.40	6,970.05	16.35	18.23	-3.33	-7.86	4,268.52	4,016.88	3,996.68	20.20	198.850			
7,100.00	6,991.61	6,997.72	6,996.35	16.75	18.30	-3.85	-8.81	4,268.49	3,974.29	3,956.12	18.17	218.691			
7,150.00	7,013.99	7,020.21	7,018.83	17.23	18.36	-4.61	-9.64	4,268.46	3,929.59	3,913.46	16.14	243.515			
7,200.00	7,032.38	7,038.70	7,037.30	17.77	18.41	-5.79	-10.34	4,268.44	3,883.12	3,868.90	14.22	273.050			
7,250.00	7,046.66	7,053.04	7,051.63	18.38	18.45	-7.82	-10.90	4,268.42	3,835.23	3,822.51	12.72	301.489			
7,300.00	7,056.71	7,063.14	7,061.72	19.05	18.48	-12.10	-11.29	4,268.40	3,786.28	3,773.71	12.56	301.371			
7,350.00	7,062.45	7,068.91	7,067.48	19.78	18.49	-25.89	-11.52	4,268.40	3,736.64	3,718.27	18.38	203.303			
7,380.71	7,063.82	7,070.28	7,068.86	20.24	18.50	-64.29	-11.58	4,268.40	3,705.98	3,671.01	34.97	105.964			
7,400.00	7,064.16	7,070.63	7,069.21	20.55	18.50	-64.41	-11.59	4,268.40	3,686.71	3,651.42	35.29	104.483			
7,450.00	7,065.06	7,071.53	7,070.10	21.38	18.50	-64.73	-11.62	4,268.39	3,636.75	3,600.60	36.14	100.624			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 8H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Reference Site:	Diamond PWU 22	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Diamond PWU Offsets - PWU 21 - OH - OH													Offset Site Error: 0.00 usft	
Survey Program: 200-NS-GYRO-MS													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
7,500.00	7,065.95	7,072.43	7,071.00	22.22	18.50	-65.06	-11.66	4,268.39	3,586.78	3,549.78	37.00	96.936		
7,550.00	7,066.84	7,073.32	7,071.90	23.13	18.51	-65.39	-11.70	4,268.39	3,536.82	3,498.89	37.93	93.243		
7,600.00	7,067.74	7,074.22	7,072.80	24.04	18.51	-65.72	-11.73	4,268.39	3,486.86	3,448.00	38.86	89.718		
7,650.00	7,068.63	7,075.12	7,073.69	25.00	18.51	-66.05	-11.77	4,268.39	3,436.90	3,397.05	39.85	86.237		
7,700.00	7,069.52	7,076.02	7,074.59	25.97	18.51	-66.38	-11.80	4,268.39	3,386.94	3,346.10	40.85	82.918		
7,750.00	7,070.42	7,076.91	7,075.49	26.98	18.52	-66.72	-11.84	4,268.39	3,336.99	3,295.10	41.89	79.669		
7,800.00	7,071.31	7,077.81	7,076.38	27.99	18.52	-67.05	-11.88	4,268.39	3,287.03	3,244.10	42.93	76.571		
7,850.00	7,072.20	7,078.71	7,077.28	29.04	18.52	-67.39	-11.91	4,268.38	3,237.07	3,193.07	44.01	73.558		
7,900.00	7,073.10	7,079.61	7,078.18	30.09	18.52	-67.73	-11.95	4,268.38	3,187.12	3,142.03	45.09	70.683		
7,950.00	7,073.99	7,080.50	7,079.07	31.17	18.53	-68.08	-11.98	4,268.38	3,137.16	3,090.96	46.20	67.898		
8,000.00	7,074.88	7,081.40	7,079.97	32.25	18.53	-68.42	-12.02	4,268.38	3,087.21	3,039.89	47.32	65.240		
8,050.00	7,075.78	7,082.30	7,080.87	33.35	18.53	-68.77	-12.06	4,268.38	3,037.26	2,988.80	48.46	62.671		
8,100.00	7,076.67	7,083.20	7,081.76	34.45	18.53	-69.12	-12.09	4,268.38	2,987.31	2,937.70	49.61	60.216		
8,150.00	7,077.56	7,084.09	7,082.66	35.57	18.53	-69.47	-12.13	4,268.38	2,937.36	2,886.59	50.78	57.848		
8,200.00	7,078.46	7,084.99	7,083.56	36.69	18.54	-69.82	-12.16	4,268.38	2,887.42	2,835.47	51.95	55.582		
8,250.00	7,079.35	7,085.89	7,084.45	37.83	18.54	-70.17	-12.20	4,268.38	2,837.47	2,784.34	53.14	53.398		
8,300.00	7,080.24	7,086.79	7,085.35	38.97	18.54	-70.53	-12.24	4,268.37	2,787.53	2,733.20	54.33	51.307		
8,350.00	7,081.14	7,087.68	7,086.25	40.12	18.54	-70.89	-12.27	4,268.37	2,737.59	2,682.05	55.54	49.292		
8,400.00	7,082.03	7,088.58	7,087.14	41.27	18.55	-71.25	-12.31	4,268.37	2,687.65	2,630.90	56.75	47.360		
8,450.00	7,082.92	7,089.48	7,088.04	42.43	18.55	-71.61	-12.34	4,268.37	2,637.71	2,579.74	57.97	45.499		
8,500.00	7,083.82	7,090.38	7,088.94	43.60	18.55	-71.97	-12.38	4,268.37	2,587.78	2,528.58	59.20	43.712		
8,550.00	7,084.71	7,091.27	7,089.84	44.77	18.55	-72.33	-12.42	4,268.37	2,537.84	2,477.40	60.44	41.990		
8,600.00	7,085.60	7,092.17	7,090.73	45.94	18.56	-72.70	-12.45	4,268.37	2,487.91	2,426.23	61.68	40.336		
8,650.00	7,086.50	7,093.07	7,091.63	47.12	18.56	-73.07	-12.49	4,268.37	2,437.98	2,375.05	62.93	38.741		
8,700.00	7,087.39	7,093.97	7,092.53	48.30	18.56	-73.44	-12.53	4,268.36	2,388.06	2,323.87	64.18	37.206		
8,750.00	7,088.28	7,094.86	7,093.42	49.49	18.56	-73.81	-12.56	4,268.36	2,338.14	2,272.69	65.45	35.726		
8,800.00	7,089.18	7,095.76	7,094.32	50.68	18.57	-74.18	-12.60	4,268.36	2,288.22	2,221.51	66.71	34.301		
8,850.00	7,090.07	7,096.66	7,095.22	51.87	18.57	-74.55	-12.64	4,268.36	2,238.30	2,170.32	67.98	32.925		
8,900.00	7,090.96	7,097.56	7,096.11	53.06	18.57	-74.93	-12.67	4,268.36	2,188.39	2,119.13	69.25	31.599		
8,950.00	7,091.86	7,098.45	7,097.01	54.26	18.57	-75.31	-12.71	4,268.36	2,138.48	2,067.94	70.53	30.318		
9,000.00	7,092.75	7,099.35	7,097.91	55.46	18.58	-75.68	-12.75	4,268.36	2,088.57	2,016.76	71.82	29.082		
9,050.00	7,093.64	7,100.25	7,098.80	56.66	18.58	-76.07	-12.78	4,268.36	2,038.67	1,965.57	73.10	27.888		
9,100.00	7,094.54	7,101.15	7,099.70	57.87	18.58	-76.45	-12.82	4,268.36	1,988.77	1,914.38	74.39	26.734		
9,150.00	7,095.43	7,102.04	7,100.60	59.08	18.58	-76.83	-12.86	4,268.35	1,938.88	1,863.20	75.68	25.619		
9,200.00	7,096.32	7,102.94	7,101.49	60.28	18.58	-77.21	-12.89	4,268.35	1,889.00	1,812.02	76.98	24.540		
9,250.00	7,097.22	7,103.84	7,102.39	61.49	18.59	-77.60	-12.93	4,268.35	1,839.12	1,760.84	78.27	23.496		
9,300.00	7,098.11	7,104.74	7,103.29	62.71	18.59	-77.99	-12.97	4,268.35	1,789.24	1,709.67	79.57	22.486		
9,349.78	7,099.00	7,105.63	7,104.18	63.91	18.59	-78.37	-13.00	4,268.35	1,739.60	1,658.73	80.86	21.513		
9,350.00	7,099.00	7,105.63	7,104.18	63.92	18.59	-78.38	-13.01	4,268.35	1,739.37	1,658.50	80.87	21.508		
9,353.43	7,099.06	7,105.69	7,104.24	64.00	18.59	-79.37	-13.01	4,268.35	1,735.95	1,654.74	81.21	21.376		
9,400.00	7,099.84	7,106.47	7,105.02	65.14	18.59	-79.71	-13.04	4,268.35	1,689.51	1,607.10	82.41	20.500		
9,450.00	7,100.67	7,107.30	7,105.85	66.35	18.60	-80.08	-13.07	4,268.35	1,639.66	1,555.95	83.71	19.589		
9,500.00	7,101.50	7,108.14	7,106.68	67.57	18.60	-80.45	-13.11	4,268.35	1,589.81	1,504.82	85.00	18.705		
9,550.00	7,102.32	7,108.97	7,107.52	68.79	18.60	-80.81	-13.14	4,268.34	1,539.98	1,453.69	86.29	17.847		
9,600.00	7,103.15	7,109.80	7,108.35	70.01	18.60	-81.18	-13.18	4,268.34	1,490.16	1,402.57	87.58	17.015		
9,650.00	7,103.98	7,110.64	7,109.18	71.23	18.61	-81.55	-13.21	4,268.34	1,440.34	1,351.47	88.87	16.206		
9,700.00	7,104.81	7,111.47	7,110.01	72.45	18.61	-81.92	-13.25	4,268.34	1,390.54	1,300.38	90.17	15.422		
9,750.00	7,105.64	7,112.30	7,110.85	73.68	18.61	-82.29	-13.28	4,268.34	1,340.76	1,249.30	91.46	14.659		
9,800.00	7,106.47	7,113.14	7,111.68	74.90	18.61	-82.67	-13.32	4,268.34	1,290.99	1,198.24	92.75	13.919		
9,850.00	7,107.30	7,113.97	7,112.51	76.13	18.61	-83.04	-13.35	4,268.34	1,241.24	1,147.19	94.04	13.198		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 8H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Reference Site:	Diamond PWU 22	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at:	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Diamond PWU Offsets - PWU 21 - OH - OH												Offset Site Error:	0.00 usft.
Survey Program: 200-NS-GYRO-MS												Offset Well Error:	0.00 usft.
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.00	7,108.13	7,114.80	7,113.35	77.36	18.62	-83.41	-13.38	4,268.34	1,191.51	1,096.17	95.33	12.498	
9,950.00	7,108.96	7,115.64	7,114.18	78.58	18.62	-83.79	-13.42	4,268.34	1,141.80	1,045.18	96.62	11.817	
10,000.00	7,109.79	7,116.47	7,115.01	79.81	18.62	-84.16	-13.45	4,268.33	1,092.12	994.21	97.91	11.154	
10,050.00	7,110.62	7,117.30	7,115.84	81.04	18.62	-84.54	-13.49	4,268.33	1,042.47	943.27	99.20	10.509	
10,100.00	7,111.45	7,118.14	7,116.68	82.27	18.63	-84.92	-13.52	4,268.33	992.85	892.36	100.48	9.881	
10,150.00	7,112.28	7,118.97	7,117.51	83.50	18.63	-85.29	-13.56	4,268.33	943.27	841.50	101.77	9.269	
10,200.00	7,113.11	7,119.80	7,118.34	84.73	18.63	-85.67	-13.59	4,268.33	893.74	790.69	103.05	8.673	
10,250.00	7,113.94	7,120.64	7,119.17	85.97	18.63	-86.05	-13.63	4,268.33	844.26	739.93	104.33	8.093	
10,300.00	7,114.77	7,121.47	7,120.01	87.20	18.63	-86.43	-13.66	4,268.33	794.85	689.25	105.60	7.527	
10,350.00	7,115.60	7,122.30	7,120.84	88.43	18.64	-86.81	-13.70	4,268.33	745.51	638.64	106.88	6.976	
10,400.00	7,116.43	7,123.14	7,121.67	89.67	18.64	-87.19	-13.73	4,268.33	696.27	588.12	108.15	6.438	
10,450.00	7,117.26	7,123.97	7,122.50	90.90	18.64	-87.57	-13.77	4,268.32	647.14	537.73	109.41	5.915	
10,500.00	7,118.09	7,124.81	7,123.34	92.14	18.64	-87.95	-13.80	4,268.32	598.16	487.48	110.68	5.405	
10,550.00	7,118.92	7,125.64	7,124.17	93.37	18.65	-88.33	-13.84	4,268.32	549.36	437.42	111.94	4.908	
10,600.00	7,119.75	7,126.47	7,125.00	94.61	18.65	-88.72	-13.87	4,268.32	500.79	387.60	113.19	4.424	
10,650.00	7,120.58	7,127.31	7,125.84	95.84	18.65	-89.10	-13.91	4,268.32	452.54	338.09	114.45	3.954	
10,700.00	7,121.41	7,128.14	7,126.67	97.08	18.65	-89.48	-13.94	4,268.32	404.70	289.01	115.70	3.498	
10,750.00	7,122.24	7,128.97	7,127.50	98.32	18.65	-89.86	-13.98	4,268.32	357.46	240.52	116.94	3.057	
10,800.00	7,123.07	7,129.81	7,128.33	99.56	18.66	-90.25	-14.01	4,268.32	311.08	192.90	118.18	2.632	
10,850.00	7,123.89	7,130.64	7,129.17	100.79	18.66	-90.63	-14.05	4,268.32	266.01	146.60	119.42	2.228	
10,900.00	7,124.72	7,131.47	7,130.00	102.03	18.66	-91.01	-14.08	4,268.31	223.05	102.41	120.65	1.849	
10,950.00	7,125.55	7,132.31	7,130.83	103.27	18.66	-91.40	-14.12	4,268.31	183.69	61.82	121.87	1.507	
11,000.00	7,126.38	7,133.14	7,131.66	104.51	18.67	-91.78	-14.15	4,268.31	150.76	27.67	123.09	1.225 Level 2	
11,050.00	7,127.21	7,133.97	7,132.50	105.75	18.67	-92.17	-14.19	4,268.31	129.29	4.98	124.31	1.040 Level 2	
11,085.16	7,127.80	7,134.56	7,133.08	106.62	18.67	-92.44	-14.22	4,268.31	124.42	-0.75	125.16	0.994 Level 1, CC, ES, SF	
11,100.00	7,128.04	7,134.81	7,133.33	106.99	18.67	-92.55	-14.23	4,268.31	125.30	-0.22	125.52	0.998 Level 1	
11,150.00	7,128.87	7,135.64	7,134.16	108.23	18.67	-92.93	-14.26	4,268.31	140.30	13.57	126.73	1.107 Level 2	
11,200.00	7,129.70	7,136.47	7,134.99	109.47	18.67	-93.32	-14.30	4,268.31	169.31	41.38	127.92	1.323 Level 3	
11,250.00	7,130.53	7,137.31	7,135.83	110.71	18.68	-93.70	-14.33	4,268.31	206.51	77.39	129.12	1.599	
11,300.00	7,131.36	7,138.14	7,136.66	111.95	18.68	-94.08	-14.37	4,268.31	248.24	117.94	130.30	1.905	
11,350.00	7,132.19	7,138.97	7,137.49	113.20	18.68	-94.47	-14.40	4,268.30	292.58	161.09	131.49	2.225	
11,400.00	7,133.02	7,139.81	7,138.32	114.44	18.68	-94.85	-14.44	4,268.30	338.49	205.83	132.66	2.552	
11,450.00	7,133.85	7,140.64	7,139.16	115.68	18.69	-95.23	-14.47	4,268.30	385.43	251.60	133.83	2.880	
11,500.00	7,134.68	7,141.47	7,139.99	116.92	18.69	-95.62	-14.51	4,268.30	433.04	298.05	134.99	3.208	
11,550.00	7,135.51	7,142.31	7,140.82	118.16	18.69	-96.00	-14.55	4,268.30	481.14	345.00	136.14	3.534	
11,600.00	7,136.34	7,143.14	7,141.66	119.41	18.69	-96.38	-14.58	4,268.30	529.59	392.30	137.29	3.857	
11,650.00	7,137.17	7,143.97	7,142.49	120.65	18.69	-96.76	-14.62	4,268.30	578.31	439.87	138.43	4.178	
11,700.00	7,138.00	7,144.81	7,143.32	121.89	18.70	-97.14	-14.65	4,268.30	627.22	487.65	139.57	4.494	
11,750.00	7,138.83	7,145.64	7,144.15	123.14	18.70	-97.52	-14.69	4,268.29	676.29	535.60	140.69	4.807	
11,800.00	7,139.66	7,146.47	7,144.99	124.38	18.70	-97.90	-14.72	4,268.29	725.49	583.68	141.81	5.116	
11,850.00	7,140.49	7,147.31	7,145.82	125.62	18.70	-98.28	-14.76	4,268.29	774.79	631.87	142.92	5.421	
11,900.00	7,141.32	7,148.14	7,146.65	126.87	18.71	-98.66	-14.80	4,268.29	824.17	680.15	144.03	5.722	
11,950.00	7,142.15	7,148.97	7,147.48	128.11	18.71	-99.04	-14.83	4,268.29	873.63	728.50	145.12	6.020	
12,000.00	7,142.98	7,149.81	7,148.32	129.36	18.71	-99.42	-14.87	4,268.29	923.14	776.93	146.21	6.314	
12,050.00	7,143.81	7,150.64	7,149.15	130.60	18.71	-99.80	-14.90	4,268.29	972.70	825.41	147.29	6.604	
12,100.00	7,144.64	7,151.47	7,149.98	131.85	18.71	-100.18	-14.94	4,268.29	1,022.30	873.94	148.37	6.890	
12,150.00	7,145.46	7,152.31	7,150.81	133.09	18.72	-100.55	-14.98	4,268.29	1,071.94	922.51	149.43	7.173	
12,200.00	7,146.29	7,153.14	7,151.65	134.34	18.72	-100.93	-15.01	4,268.28	1,121.61	971.12	150.49	7.453	
12,250.00	7,147.12	7,153.97	7,152.48	135.58	18.72	-101.30	-15.05	4,268.28	1,171.31	1,019.77	151.53	7.730	
12,300.00	7,147.95	7,154.81	7,153.31	136.83	18.72	-101.68	-15.08	4,268.28	1,221.03	1,068.46	152.57	8.003	
12,350.00	7,148.78	7,155.64	7,154.14	138.07	18.73	-102.05	-15.12	4,268.28	1,270.77	1,117.17	153.61	8.273	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

LEAM Drilling Systems LLC

Anticollision Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 8H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Reference Site:	Diamond PWU 22	MD Reference:	GE 3340' + KB 28' @ 3368.00usft (Scan Texas)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Diamond PWU Offsets - PWU 21 - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 200-NS-GYRO-MS													Offset Well Error:	0.00 usft
Reference	Offset	Serial Major Axis		Distance		Minimum Separation		Separation Factor		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,400.00	7,149.61	7,156.47	7,154.98	139.32	18.73	-102.42	-15.16	4,268.28	1,320.53	1,165.91	154.63	8.540		
12,450.00	7,150.44	7,157.31	7,155.81	140.57	18.73	-102.80	-15.19	4,268.28	1,370.31	1,214.67	155.64	8.804		
12,500.00	7,151.27	7,158.14	7,156.64	141.81	18.73	-103.17	-15.23	4,268.28	1,420.11	1,263.46	156.65	9.066		
12,543.88	7,152.00	7,158.87	7,157.37	142.90	18.73	-103.49	-15.26	4,268.28	1,463.82	1,306.30	157.52	9.293		