

HOBBS OCD

NOV 06 2017

RECEIVED

WESTERN DIVISION

PBNM

Dzurisin

Gaucho Unit 82H

Wellbore #1

Plan: Plan 1

Standard Planning Report

19 September, 2016

Devon Energy

Planning Report

Database:	EDM r5000 US Production	Local Co-ordinate Reference:	Well Gaucho Unit 82H
Company:	WESTERN DIVISION	TVD Reference:	1 @ 3495.50ft
Project:	PBNM	MD Reference:	1 @ 3495.50ft
Site:	Dzurisin	North Reference:	Grid
Well:	Gaucha Unit 82H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Project	PBNM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Dzurisin				
Site Position:		Northing:	429,922.27 usft	Latitude:	32.180535
From:	Map	Easting:	725,391.41 usft	Longitude:	-103.738424
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.32 °

Well	Gaucha Unit 82H					
Well Position	+N/-S	74,364.18 ft	Northing:	504,286.30 usft	Latitude:	32.383591
	+E/-W	73,485.41 ft	Easting:	798,876.67 usft	Longitude:	-103.499051
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	3,472.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.73	60.40	48,897

Design	Plan 1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	180.27

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	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	
10,933.60	0.00	0.00	10,933.60	0.00	0.00	0.00	0.00	0.00	0.00	
11,686.85	90.39	180.27	11,411.05	-480.71	-2.25	12.00	12.00	0.00	180.27	Gaucha Unit 82H BHL
11,735.87	90.39	180.27	11,410.72	-529.73	-2.48	0.01	0.01	0.00	-0.07	
21,072.86	90.39	180.27	11,346.37	-9,866.39	-46.13	0.00	0.00	0.00	0.00	
21,126.27	90.39	180.27	11,346.00	-9,919.80	-46.38	0.01	-0.01	0.00	156.60	Gaucha Unit 82H BHL

Devon Energy

Planning Report

Database:	EDM r5000 US Production	Local Co-ordinate Reference:	Well Gaucho Unit 82H
Company:	WESTERN DIVISION	TVD Reference:	1 @ 3495.50ft
Project:	PBNM	MD Reference:	1 @ 3495.50ft
Site:	Dzurisin	North Reference:	Grid
Well:	Gaucho Unit 82H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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
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

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Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00
10,500.00	0.00	0.00	10,500.00	0.00	0.00	0.00	0.00	0.00	0.00
10,600.00	0.00	0.00	10,600.00	0.00	0.00	0.00	0.00	0.00	0.00
10,700.00	0.00	0.00	10,700.00	0.00	0.00	0.00	0.00	0.00	0.00

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Planning Report

Database:	EDM r5000 US Production	Local Co-ordinate Reference:	Well Gaucho Unit 82H
Company:	WESTERN DIVISION	TVD Reference:	1 @ 3495.50ft
Project:	PBNM	MD Reference:	1 @ 3495.50ft
Site:	Dzurisin	North Reference:	Grid
Well:	Gaucho Unit 82H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,800.00	0.00	0.00	10,800.00	0.00	0.00	0.00	0.00	0.00	0.00
10,900.00	0.00	0.00	10,900.00	0.00	0.00	0.00	0.00	0.00	0.00
10,933.60	0.00	0.00	10,933.60	0.00	0.00	0.00	0.00	0.00	0.00
10,950.00	1.97	180.27	10,950.00	-0.28	0.00	0.28	12.00	12.00	0.00
10,975.00	4.97	180.27	10,974.95	-1.79	-0.01	1.79	12.00	12.00	0.00
11,000.00	7.97	180.27	10,999.79	-4.61	-0.02	4.61	12.00	12.00	0.00
11,025.00	10.97	180.27	11,024.44	-8.72	-0.04	8.72	12.00	12.00	0.00
11,050.00	13.97	180.27	11,048.85	-14.12	-0.07	14.12	12.00	12.00	0.00
11,075.00	16.97	180.27	11,072.94	-20.78	-0.10	20.79	12.00	12.00	0.00
11,100.00	19.97	180.27	11,096.65	-28.70	-0.13	28.70	12.00	12.00	0.00
11,125.00	22.97	180.27	11,119.92	-37.85	-0.18	37.85	12.00	12.00	0.00
11,150.00	25.97	180.27	11,142.67	-48.20	-0.23	48.21	12.00	12.00	0.00
11,175.00	28.97	180.27	11,164.85	-59.73	-0.28	59.74	12.00	12.00	0.00
11,200.00	31.97	180.27	11,186.39	-72.41	-0.34	72.41	12.00	12.00	0.00
11,225.00	34.97	180.27	11,207.24	-86.19	-0.40	86.20	12.00	12.00	0.00
11,250.00	37.97	180.27	11,227.35	-101.05	-0.47	101.05	12.00	12.00	0.00
11,275.00	40.97	180.27	11,246.64	-116.94	-0.55	116.94	12.00	12.00	0.00
11,300.00	43.97	180.27	11,265.08	-133.82	-0.63	133.82	12.00	12.00	0.00
11,325.00	46.97	180.27	11,282.61	-151.64	-0.71	151.64	12.00	12.00	0.00
11,350.00	49.97	180.27	11,299.19	-170.35	-0.80	170.35	12.00	12.00	0.00
11,375.00	52.97	180.27	11,314.76	-189.90	-0.89	189.91	12.00	12.00	0.00
11,400.00	55.97	180.27	11,329.29	-210.25	-0.98	210.25	12.00	12.00	0.00
11,425.00	58.97	180.27	11,342.73	-231.32	-1.08	231.32	12.00	12.00	0.00
11,450.00	61.97	180.27	11,355.05	-253.07	-1.18	253.07	12.00	12.00	0.00
11,475.00	64.97	180.27	11,366.22	-275.43	-1.29	275.44	12.00	12.00	0.00
11,500.00	67.97	180.27	11,376.20	-298.35	-1.39	298.36	12.00	12.00	0.00
11,525.00	70.97	180.27	11,384.97	-321.76	-1.50	321.76	12.00	12.00	0.00
11,550.00	73.97	180.27	11,392.50	-345.60	-1.62	345.60	12.00	12.00	0.00
11,575.00	76.97	180.27	11,398.77	-369.79	-1.73	369.80	12.00	12.00	0.00
11,600.00	79.97	180.27	11,403.77	-394.29	-1.84	394.29	12.00	12.00	0.00
11,625.00	82.97	180.27	11,407.47	-419.01	-1.96	419.01	12.00	12.00	0.00
11,650.00	85.97	180.27	11,409.88	-443.89	-2.08	443.89	12.00	12.00	0.00
11,675.00	88.97	180.27	11,410.99	-468.86	-2.19	468.86	12.00	12.00	0.00
11,686.85	90.39	180.27	11,411.05	-480.71	-2.25	480.72	12.00	12.00	0.00
11,700.00	90.39	180.27	11,410.97	-493.86	-2.31	493.86	0.01	0.01	0.00
11,735.87	90.39	180.27	11,410.72	-529.73	-2.48	529.74	0.01	0.01	0.00
11,800.00	90.39	180.27	11,410.28	-593.86	-2.78	593.86	0.00	0.00	0.00
11,900.00	90.39	180.27	11,409.59	-693.85	-3.24	693.86	0.00	0.00	0.00
12,000.00	90.39	180.27	11,408.90	-793.85	-3.71	793.86	0.00	0.00	0.00
12,100.00	90.39	180.27	11,408.21	-893.84	-4.18	893.85	0.00	0.00	0.00
12,200.00	90.39	180.27	11,407.52	-993.84	-4.65	993.85	0.00	0.00	0.00
12,300.00	90.39	180.27	11,406.83	-1,093.84	-5.11	1,093.85	0.00	0.00	0.00
12,400.00	90.39	180.27	11,406.14	-1,193.83	-5.58	1,193.85	0.00	0.00	0.00
12,500.00	90.39	180.27	11,405.45	-1,293.83	-6.05	1,293.84	0.00	0.00	0.00
12,600.00	90.39	180.27	11,404.76	-1,393.83	-6.52	1,393.84	0.00	0.00	0.00
12,700.00	90.39	180.27	11,404.07	-1,493.82	-6.98	1,493.84	0.00	0.00	0.00
12,800.00	90.39	180.27	11,403.38	-1,593.82	-7.45	1,593.84	0.00	0.00	0.00
12,900.00	90.39	180.27	11,402.70	-1,693.82	-7.92	1,693.84	0.00	0.00	0.00
13,000.00	90.39	180.27	11,402.01	-1,793.81	-8.39	1,793.83	0.00	0.00	0.00
13,100.00	90.39	180.27	11,401.32	-1,893.81	-8.85	1,893.83	0.00	0.00	0.00
13,200.00	90.39	180.27	11,400.63	-1,993.81	-9.32	1,993.83	0.00	0.00	0.00
13,300.00	90.39	180.27	11,399.94	-2,093.80	-9.79	2,093.83	0.00	0.00	0.00
13,400.00	90.39	180.27	11,399.25	-2,193.80	-10.26	2,193.82	0.00	0.00	0.00
13,500.00	90.39	180.27	11,398.56	-2,293.80	-10.72	2,293.82	0.00	0.00	0.00

Devon Energy

Planning Report

Database:	EDM r5000 US Production	Local Co-ordinate Reference:	Well Gaucho Unit 82H
Company:	WESTERN DIVISION	TVD Reference:	1 @ 3495.50ft
Project:	PBNM	MD Reference:	1 @ 3495.50ft
Site:	Dzurisin	North Reference:	Grid
Well:	Gaucho Unit 82H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,600.00	90.39	180.27	11,397.87	-2,393.79	-11.19	2,393.82	0.00	0.00	0.00
13,700.00	90.39	180.27	11,397.18	-2,493.79	-11.66	2,493.82	0.00	0.00	0.00
13,800.00	90.39	180.27	11,396.49	-2,593.79	-12.13	2,593.81	0.00	0.00	0.00
13,900.00	90.39	180.27	11,395.80	-2,693.78	-12.59	2,693.81	0.00	0.00	0.00
14,000.00	90.39	180.27	11,395.11	-2,793.78	-13.06	2,793.81	0.00	0.00	0.00
14,100.00	90.39	180.27	11,394.42	-2,893.78	-13.53	2,893.81	0.00	0.00	0.00
14,200.00	90.39	180.27	11,393.74	-2,993.77	-14.00	2,993.80	0.00	0.00	0.00
14,300.00	90.39	180.27	11,393.05	-3,093.77	-14.46	3,093.80	0.00	0.00	0.00
14,400.00	90.39	180.27	11,392.36	-3,193.76	-14.93	3,193.80	0.00	0.00	0.00
14,500.00	90.39	180.27	11,391.67	-3,293.76	-15.40	3,293.80	0.00	0.00	0.00
14,600.00	90.39	180.27	11,390.98	-3,393.76	-15.87	3,393.80	0.00	0.00	0.00
14,700.00	90.39	180.27	11,390.29	-3,493.75	-16.33	3,493.79	0.00	0.00	0.00
14,800.00	90.39	180.27	11,389.60	-3,593.75	-16.80	3,593.79	0.00	0.00	0.00
14,900.00	90.39	180.27	11,388.91	-3,693.75	-17.27	3,693.79	0.00	0.00	0.00
15,000.00	90.39	180.27	11,388.22	-3,793.74	-17.74	3,793.79	0.00	0.00	0.00
15,100.00	90.39	180.27	11,387.53	-3,893.74	-18.20	3,893.78	0.00	0.00	0.00
15,200.00	90.39	180.27	11,386.84	-3,993.74	-18.67	3,993.78	0.00	0.00	0.00
15,300.00	90.39	180.27	11,386.15	-4,093.73	-19.14	4,093.78	0.00	0.00	0.00
15,400.00	90.39	180.27	11,385.47	-4,193.73	-19.61	4,193.78	0.00	0.00	0.00
15,500.00	90.39	180.27	11,384.78	-4,293.73	-20.07	4,293.77	0.00	0.00	0.00
15,600.00	90.39	180.27	11,384.09	-4,393.72	-20.54	4,393.77	0.00	0.00	0.00
15,700.00	90.39	180.27	11,383.40	-4,493.72	-21.01	4,493.77	0.00	0.00	0.00
15,800.00	90.39	180.27	11,382.71	-4,593.72	-21.48	4,593.77	0.00	0.00	0.00
15,900.00	90.39	180.27	11,382.02	-4,693.71	-21.95	4,693.76	0.00	0.00	0.00
16,000.00	90.39	180.27	11,381.33	-4,793.71	-22.41	4,793.76	0.00	0.00	0.00
16,100.00	90.39	180.27	11,380.64	-4,893.71	-22.88	4,893.76	0.00	0.00	0.00
16,200.00	90.39	180.27	11,379.95	-4,993.70	-23.35	4,993.76	0.00	0.00	0.00
16,300.00	90.39	180.27	11,379.26	-5,093.70	-23.82	5,093.75	0.00	0.00	0.00
16,400.00	90.39	180.27	11,378.57	-5,193.70	-24.28	5,193.75	0.00	0.00	0.00
16,500.00	90.39	180.27	11,377.88	-5,293.69	-24.75	5,293.75	0.00	0.00	0.00
16,600.00	90.39	180.27	11,377.19	-5,393.69	-25.22	5,393.75	0.00	0.00	0.00
16,700.00	90.39	180.27	11,376.51	-5,493.69	-25.69	5,493.75	0.00	0.00	0.00
16,800.00	90.39	180.27	11,375.82	-5,593.68	-26.15	5,593.74	0.00	0.00	0.00
16,900.00	90.39	180.27	11,375.13	-5,693.68	-26.62	5,693.74	0.00	0.00	0.00
17,000.00	90.39	180.27	11,374.44	-5,793.67	-27.09	5,793.74	0.00	0.00	0.00
17,100.00	90.39	180.27	11,373.75	-5,893.67	-27.56	5,893.74	0.00	0.00	0.00
17,200.00	90.39	180.27	11,373.06	-5,993.67	-28.02	5,993.73	0.00	0.00	0.00
17,300.00	90.39	180.27	11,372.37	-6,093.66	-28.49	6,093.73	0.00	0.00	0.00
17,400.00	90.39	180.27	11,371.68	-6,193.66	-28.96	6,193.73	0.00	0.00	0.00
17,500.00	90.39	180.27	11,370.99	-6,293.66	-29.43	6,293.73	0.00	0.00	0.00
17,600.00	90.39	180.27	11,370.30	-6,393.65	-29.89	6,393.72	0.00	0.00	0.00
17,700.00	90.39	180.27	11,369.61	-6,493.65	-30.36	6,493.72	0.00	0.00	0.00
17,800.00	90.39	180.27	11,368.92	-6,593.65	-30.83	6,593.72	0.00	0.00	0.00
17,900.00	90.39	180.27	11,368.23	-6,693.64	-31.30	6,693.72	0.00	0.00	0.00
18,000.00	90.39	180.27	11,367.55	-6,793.64	-31.76	6,793.71	0.00	0.00	0.00
18,100.00	90.39	180.27	11,366.86	-6,893.64	-32.23	6,893.71	0.00	0.00	0.00
18,200.00	90.39	180.27	11,366.17	-6,993.63	-32.70	6,993.71	0.00	0.00	0.00
18,300.00	90.39	180.27	11,365.48	-7,093.63	-33.17	7,093.71	0.00	0.00	0.00
18,400.00	90.39	180.27	11,364.79	-7,193.63	-33.63	7,193.70	0.00	0.00	0.00
18,500.00	90.39	180.27	11,364.10	-7,293.62	-34.10	7,293.70	0.00	0.00	0.00
18,600.00	90.39	180.27	11,363.41	-7,393.62	-34.57	7,393.70	0.00	0.00	0.00
18,700.00	90.39	180.27	11,362.72	-7,493.62	-35.04	7,493.70	0.00	0.00	0.00
18,800.00	90.39	180.27	11,362.03	-7,593.61	-35.50	7,593.70	0.00	0.00	0.00
18,900.00	90.39	180.27	11,361.34	-7,693.61	-35.97	7,693.69	0.00	0.00	0.00

Devon Energy

Planning Report

Database:	EDM r5000 US Production	Local Co-ordinate Reference:	Well Gaucho Unit 82H
Company:	WESTERN DIVISION	TVD Reference:	1 @ 3495.50ft
Project:	PBNM	MD Reference:	1 @ 3495.50ft
Site:	Dzurisin	North Reference:	Grid
Well:	Gaucho Unit 82H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,000.00	90.39	180.27	11,360.65	-7,793.61	-36.44	7,793.69	0.00	0.00	0.00
19,100.00	90.39	180.27	11,359.96	-7,893.60	-36.91	7,893.69	0.00	0.00	0.00
19,200.00	90.39	180.27	11,359.27	-7,993.60	-37.37	7,993.69	0.00	0.00	0.00
19,300.00	90.39	180.27	11,358.59	-8,093.60	-37.84	8,093.68	0.00	0.00	0.00
19,400.00	90.39	180.27	11,357.90	-8,193.59	-38.31	8,193.68	0.00	0.00	0.00
19,500.00	90.39	180.27	11,357.21	-8,293.59	-38.78	8,293.68	0.00	0.00	0.00
19,600.00	90.39	180.27	11,356.52	-8,393.58	-39.24	8,393.68	0.00	0.00	0.00
19,700.00	90.39	180.27	11,355.83	-8,493.58	-39.71	8,493.67	0.00	0.00	0.00
19,800.00	90.39	180.27	11,355.14	-8,593.58	-40.18	8,593.67	0.00	0.00	0.00
19,900.00	90.39	180.27	11,354.45	-8,693.57	-40.65	8,693.67	0.00	0.00	0.00
20,000.00	90.39	180.27	11,353.76	-8,793.57	-41.11	8,793.67	0.00	0.00	0.00
20,100.00	90.39	180.27	11,353.07	-8,893.57	-41.58	8,893.66	0.00	0.00	0.00
20,200.00	90.39	180.27	11,352.38	-8,993.56	-42.05	8,993.66	0.00	0.00	0.00
20,300.00	90.39	180.27	11,351.69	-9,093.56	-42.52	9,093.66	0.00	0.00	0.00
20,400.00	90.39	180.27	11,351.00	-9,193.56	-42.98	9,193.66	0.00	0.00	0.00
20,500.00	90.39	180.27	11,350.31	-9,293.55	-43.45	9,293.66	0.00	0.00	0.00
20,600.00	90.39	180.27	11,349.63	-9,393.55	-43.92	9,393.65	0.00	0.00	0.00
20,700.00	90.39	180.27	11,348.94	-9,493.55	-44.39	9,493.65	0.00	0.00	0.00
20,800.00	90.39	180.27	11,348.25	-9,593.54	-44.85	9,593.65	0.00	0.00	0.00
20,900.00	90.39	180.27	11,347.56	-9,693.54	-45.32	9,693.65	0.00	0.00	0.00
21,000.00	90.39	180.27	11,346.87	-9,793.54	-45.79	9,793.64	0.00	0.00	0.00
21,072.86	90.39	180.27	11,346.37	-9,866.39	-46.13	9,866.50	0.00	0.00	0.00
21,100.00	90.39	180.27	11,346.18	-9,893.53	-46.26	9,893.64	0.01	-0.01	0.00
21,126.27	90.39	180.27	11,346.00	-9,919.80	-46.38	9,919.91	0.01	-0.01	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Gaucho Unit 82H BHL	0.00	0.00	11,346.00	-9,919.80	-46.38	494,366.52	798,830.29	32.356327	-103.499451
- plan hits target center									
- Point									