

WESTERN DIVISION

PBNM

Dzurisin

Fighting Okra 18-19 Fed 82H

Wellbore #1

Plan: Plan 1

Standard Planning Report

29 August, 2016

HOBBS OCD
OCT 03 2017
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Devon Energy
Planning Report

Database: EDM r5000 US Production
Company: WESTERN DIVISION
Project: PBNM
Site: Dzurisin
Well: Fighting Okra 18-19 Fed 82H
Wellbore: Wellbore #1
Design: Plan 1

Local Co-ordinate Reference: Well Fighting Okra 18-19 Fed 82H
TVD Reference: 1 @ 3393.10ft
MD Reference: 1 @ 3393.10ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	PBNM	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
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	Fighting Okra 18-19 Fed 82H					
Well Position	+N/-S	-47,224.96 ft	Northing:	382,697.41 usft	Latitude:	32.049459
	+E/-W	70,206.51 ft	Easting:	795,597.78 usft	Longitude:	-103.512679
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	3,369.60 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.71	60.09	48,694

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	180.87	

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	
12,276.60	0.00	0.00	12,276.60	0.00	0.00	0.00	0.00	0.00	0.00	
13,027.60	90.12	180.87	12,754.07	-478.41	-7.28	12.00	12.00	0.00	180.87	Fighting Okra 18-19 F
13,062.84	90.12	180.87	12,753.99	-513.64	-7.82	0.01	0.01	0.00	0.08	
22,294.10	90.12	180.87	12,734.09	-9,743.81	-148.34	0.00	0.00	0.00	0.00	
22,335.63	90.12	180.87	12,734.00	-9,785.34	-148.97	0.01	-0.01	-0.01	-148.04	Fighting Okra 18-19 F

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 TVD Reference: 1 @ 3393.10ft
 MD Reference: 1 @ 3393.10ft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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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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

Devon Energy

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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
11,000.00	0.00	0.00	11,000.00	0.00	0.00	0.00	0.00	0.00	0.00
11,100.00	0.00	0.00	11,100.00	0.00	0.00	0.00	0.00	0.00	0.00
11,200.00	0.00	0.00	11,200.00	0.00	0.00	0.00	0.00	0.00	0.00
11,300.00	0.00	0.00	11,300.00	0.00	0.00	0.00	0.00	0.00	0.00
11,400.00	0.00	0.00	11,400.00	0.00	0.00	0.00	0.00	0.00	0.00
11,500.00	0.00	0.00	11,500.00	0.00	0.00	0.00	0.00	0.00	0.00
11,600.00	0.00	0.00	11,600.00	0.00	0.00	0.00	0.00	0.00	0.00
11,700.00	0.00	0.00	11,700.00	0.00	0.00	0.00	0.00	0.00	0.00
11,800.00	0.00	0.00	11,800.00	0.00	0.00	0.00	0.00	0.00	0.00
11,900.00	0.00	0.00	11,900.00	0.00	0.00	0.00	0.00	0.00	0.00
12,000.00	0.00	0.00	12,000.00	0.00	0.00	0.00	0.00	0.00	0.00
12,100.00	0.00	0.00	12,100.00	0.00	0.00	0.00	0.00	0.00	0.00
12,200.00	0.00	0.00	12,200.00	0.00	0.00	0.00	0.00	0.00	0.00
12,276.60	0.00	0.00	12,276.60	0.00	0.00	0.00	0.00	0.00	0.00
12,300.00	2.81	180.87	12,299.99	-0.57	-0.01	0.57	12.00	12.00	0.00
12,325.00	5.81	180.87	12,324.92	-2.45	-0.04	2.45	12.00	12.00	0.00
12,350.00	8.81	180.87	12,349.71	-5.63	-0.09	5.63	12.00	12.00	0.00
12,375.00	11.81	180.87	12,374.31	-10.10	-0.15	10.10	12.00	12.00	0.00
12,400.00	14.81	180.87	12,398.63	-15.86	-0.24	15.86	12.00	12.00	0.00
12,425.00	17.81	180.87	12,422.62	-22.87	-0.35	22.88	12.00	12.00	0.00
12,450.00	20.81	180.87	12,446.21	-31.14	-0.47	31.14	12.00	12.00	0.00
12,475.00	23.81	180.87	12,469.34	-40.63	-0.62	40.63	12.00	12.00	0.00
12,500.00	26.81	180.87	12,491.94	-51.31	-0.78	51.32	12.00	12.00	0.00
12,525.00	29.81	180.87	12,513.95	-63.16	-0.96	63.17	12.00	12.00	0.00
12,550.00	32.81	180.87	12,535.30	-76.15	-1.16	76.16	12.00	12.00	0.00
12,575.00	35.81	180.87	12,555.95	-90.24	-1.37	90.25	12.00	12.00	0.00
12,600.00	38.81	180.87	12,575.83	-105.39	-1.60	105.40	12.00	12.00	0.00
12,625.00	41.81	180.87	12,594.90	-121.56	-1.85	121.57	12.00	12.00	0.00
12,650.00	44.81	180.87	12,613.09	-138.70	-2.11	138.72	12.00	12.00	0.00
12,675.00	47.81	180.87	12,630.35	-156.77	-2.39	156.79	12.00	12.00	0.00
12,700.00	50.81	180.87	12,646.65	-175.72	-2.68	175.74	12.00	12.00	0.00
12,725.00	53.81	180.87	12,661.94	-195.50	-2.98	195.52	12.00	12.00	0.00
12,750.00	56.81	180.87	12,676.16	-216.05	-3.29	216.08	12.00	12.00	0.00
12,775.00	59.81	180.87	12,689.29	-237.32	-3.61	237.35	12.00	12.00	0.00
12,800.00	62.81	180.87	12,701.30	-259.25	-3.95	259.28	12.00	12.00	0.00
12,825.00	65.81	180.87	12,712.13	-281.77	-4.29	281.80	12.00	12.00	0.00
12,850.00	68.81	180.87	12,721.78	-304.83	-4.64	304.86	12.00	12.00	0.00
12,875.00	71.81	180.87	12,730.20	-328.36	-5.00	328.40	12.00	12.00	0.00
12,900.00	74.81	180.87	12,737.38	-352.30	-5.36	352.34	12.00	12.00	0.00
12,925.00	77.81	180.87	12,743.30	-376.59	-5.73	376.63	12.00	12.00	0.00
12,950.00	80.81	180.87	12,747.93	-401.15	-6.11	401.19	12.00	12.00	0.00
12,975.00	83.81	180.87	12,751.28	-425.92	-6.48	425.96	12.00	12.00	0.00
13,000.00	86.81	180.87	12,753.33	-450.83	-6.86	450.88	12.00	12.00	0.00
13,025.00	89.81	180.87	12,754.06	-475.81	-7.24	475.86	12.00	12.00	0.00
13,027.60	90.12	180.87	12,754.07	-478.41	-7.28	478.47	12.00	12.00	0.00
13,062.84	90.12	180.87	12,753.99	-513.64	-7.82	513.70	0.01	0.01	0.00
13,100.00	90.12	180.87	12,753.91	-550.80	-8.39	550.86	0.00	0.00	0.00
13,200.00	90.12	180.87	12,753.69	-650.79	-9.91	650.86	0.00	0.00	0.00
13,300.00	90.12	180.87	12,753.48	-750.78	-11.43	750.86	0.00	0.00	0.00
13,400.00	90.12	180.87	12,753.26	-850.76	-12.95	850.86	0.00	0.00	0.00
13,500.00	90.12	180.87	12,753.05	-950.75	-14.47	950.86	0.00	0.00	0.00
13,600.00	90.12	180.87	12,752.83	-1,050.74	-16.00	1,050.86	0.00	0.00	0.00

Devon Energy

Planning Report

Database: EDM r5000 US Production
Company: WESTERN DIVISION
Project: PBNM
Site: Dzurisin
Well: Fighting Okra 18-19 Fed 82H
Wellbore: Wellbore #1
Design: Plan 1

Local Co-ordinate Reference: Well Fighting Okra 18-19 Fed 82H
TVD Reference: 1 @ 3393.10ft
MD Reference: 1 @ 3393.10ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
13,700.00	90.12	180.87	12,752.62	-1,150.73	-17.52	1,150.86	0.00	0.00	0.00
13,800.00	90.12	180.87	12,752.40	-1,250.72	-19.04	1,250.86	0.00	0.00	0.00
13,900.00	90.12	180.87	12,752.19	-1,350.71	-20.56	1,350.86	0.00	0.00	0.00
14,000.00	90.12	180.87	12,751.97	-1,450.69	-22.09	1,450.86	0.00	0.00	0.00
14,100.00	90.12	180.87	12,751.75	-1,550.68	-23.61	1,550.86	0.00	0.00	0.00
14,200.00	90.12	180.87	12,751.54	-1,650.67	-25.13	1,650.86	0.00	0.00	0.00
14,300.00	90.12	180.87	12,751.32	-1,750.66	-26.65	1,750.86	0.00	0.00	0.00
14,400.00	90.12	180.87	12,751.11	-1,850.65	-28.17	1,850.86	0.00	0.00	0.00
14,500.00	90.12	180.87	12,750.89	-1,950.63	-29.70	1,950.86	0.00	0.00	0.00
14,600.00	90.12	180.87	12,750.68	-2,050.62	-31.22	2,050.86	0.00	0.00	0.00
14,700.00	90.12	180.87	12,750.46	-2,150.61	-32.74	2,150.86	0.00	0.00	0.00
14,800.00	90.12	180.87	12,750.25	-2,250.60	-34.26	2,250.86	0.00	0.00	0.00
14,900.00	90.12	180.87	12,750.03	-2,350.59	-35.79	2,350.86	0.00	0.00	0.00
15,000.00	90.12	180.87	12,749.81	-2,450.58	-37.31	2,450.86	0.00	0.00	0.00
15,100.00	90.12	180.87	12,749.60	-2,550.56	-38.83	2,550.86	0.00	0.00	0.00
15,200.00	90.12	180.87	12,749.38	-2,650.55	-40.35	2,650.86	0.00	0.00	0.00
15,300.00	90.12	180.87	12,749.17	-2,750.54	-41.87	2,750.86	0.00	0.00	0.00
15,400.00	90.12	180.87	12,748.95	-2,850.53	-43.40	2,850.86	0.00	0.00	0.00
15,500.00	90.12	180.87	12,748.74	-2,950.52	-44.92	2,950.86	0.00	0.00	0.00
15,600.00	90.12	180.87	12,748.52	-3,050.50	-46.44	3,050.86	0.00	0.00	0.00
15,700.00	90.12	180.87	12,748.30	-3,150.49	-47.96	3,150.86	0.00	0.00	0.00
15,800.00	90.12	180.87	12,748.09	-3,250.48	-49.48	3,250.86	0.00	0.00	0.00
15,900.00	90.12	180.87	12,747.87	-3,350.47	-51.01	3,350.86	0.00	0.00	0.00
16,000.00	90.12	180.87	12,747.66	-3,450.46	-52.53	3,450.86	0.00	0.00	0.00
16,100.00	90.12	180.87	12,747.44	-3,550.45	-54.05	3,550.86	0.00	0.00	0.00
16,200.00	90.12	180.87	12,747.23	-3,650.43	-55.57	3,650.86	0.00	0.00	0.00
16,300.00	90.12	180.87	12,747.01	-3,750.42	-57.10	3,750.86	0.00	0.00	0.00
16,400.00	90.12	180.87	12,746.80	-3,850.41	-58.62	3,850.86	0.00	0.00	0.00
16,500.00	90.12	180.87	12,746.58	-3,950.40	-60.14	3,950.86	0.00	0.00	0.00
16,600.00	90.12	180.87	12,746.36	-4,050.39	-61.66	4,050.86	0.00	0.00	0.00
16,700.00	90.12	180.87	12,746.15	-4,150.37	-63.18	4,150.86	0.00	0.00	0.00
16,800.00	90.12	180.87	12,745.93	-4,250.36	-64.71	4,250.86	0.00	0.00	0.00
16,900.00	90.12	180.87	12,745.72	-4,350.35	-66.23	4,350.86	0.00	0.00	0.00
17,000.00	90.12	180.87	12,745.50	-4,450.34	-67.75	4,450.86	0.00	0.00	0.00
17,100.00	90.12	180.87	12,745.29	-4,550.33	-69.27	4,550.85	0.00	0.00	0.00
17,200.00	90.12	180.87	12,745.07	-4,650.32	-70.80	4,650.85	0.00	0.00	0.00
17,300.00	90.12	180.87	12,744.86	-4,750.30	-72.32	4,750.85	0.00	0.00	0.00
17,400.00	90.12	180.87	12,744.64	-4,850.29	-73.84	4,850.85	0.00	0.00	0.00
17,500.00	90.12	180.87	12,744.42	-4,950.28	-75.36	4,950.85	0.00	0.00	0.00
17,600.00	90.12	180.87	12,744.21	-5,050.27	-76.88	5,050.85	0.00	0.00	0.00
17,700.00	90.12	180.87	12,743.99	-5,150.26	-78.41	5,150.85	0.00	0.00	0.00
17,800.00	90.12	180.87	12,743.78	-5,250.24	-79.93	5,250.85	0.00	0.00	0.00
17,900.00	90.12	180.87	12,743.56	-5,350.23	-81.45	5,350.85	0.00	0.00	0.00
18,000.00	90.12	180.87	12,743.35	-5,450.22	-82.97	5,450.85	0.00	0.00	0.00
18,100.00	90.12	180.87	12,743.13	-5,550.21	-84.50	5,550.85	0.00	0.00	0.00
18,200.00	90.12	180.87	12,742.91	-5,650.20	-86.02	5,650.85	0.00	0.00	0.00
18,300.00	90.12	180.87	12,742.70	-5,750.19	-87.54	5,750.85	0.00	0.00	0.00
18,400.00	90.12	180.87	12,742.48	-5,850.17	-89.06	5,850.85	0.00	0.00	0.00
18,500.00	90.12	180.87	12,742.27	-5,950.16	-90.58	5,950.85	0.00	0.00	0.00
18,600.00	90.12	180.87	12,742.05	-6,050.15	-92.11	6,050.85	0.00	0.00	0.00
18,700.00	90.12	180.87	12,741.84	-6,150.14	-93.63	6,150.85	0.00	0.00	0.00
18,800.00	90.12	180.87	12,741.62	-6,250.13	-95.15	6,250.85	0.00	0.00	0.00
18,900.00	90.12	180.87	12,741.41	-6,350.11	-96.67	6,350.85	0.00	0.00	0.00
19,000.00	90.12	180.87	12,741.19	-6,450.10	-98.20	6,450.85	0.00	0.00	0.00

Devon Energy
Planning Report

Database: EDM r5000 US Production
Company: WESTERN DIVISION
Project: PBNM
Site: Dzurisin
Well: Fighting Okra 18-19 Fed 82H
Wellbore: Wellbore #1
Design: Plan 1

Local Co-ordinate Reference: Well Fighting Okra 18-19 Fed 82H
TVD Reference: 1 @ 3393.10ft
MD Reference: 1 @ 3393.10ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
19,100.00	90.12	180.87	12,740.97	-6,550.09	-99.72	6,550.85	0.00	0.00	0.00
19,200.00	90.12	180.87	12,740.76	-6,650.08	-101.24	6,650.85	0.00	0.00	0.00
19,300.00	90.12	180.87	12,740.54	-6,750.07	-102.76	6,750.85	0.00	0.00	0.00
19,400.00	90.12	180.87	12,740.33	-6,850.06	-104.28	6,850.85	0.00	0.00	0.00
19,500.00	90.12	180.87	12,740.11	-6,950.04	-105.81	6,950.85	0.00	0.00	0.00
19,600.00	90.12	180.87	12,739.90	-7,050.03	-107.33	7,050.85	0.00	0.00	0.00
19,700.00	90.12	180.87	12,739.68	-7,150.02	-108.85	7,150.85	0.00	0.00	0.00
19,800.00	90.12	180.87	12,739.47	-7,250.01	-110.37	7,250.85	0.00	0.00	0.00
19,900.00	90.12	180.87	12,739.25	-7,350.00	-111.90	7,350.85	0.00	0.00	0.00
20,000.00	90.12	180.87	12,739.03	-7,449.98	-113.42	7,450.85	0.00	0.00	0.00
20,100.00	90.12	180.87	12,738.82	-7,549.97	-114.94	7,550.85	0.00	0.00	0.00
20,200.00	90.12	180.87	12,738.60	-7,649.96	-116.46	7,650.85	0.00	0.00	0.00
20,300.00	90.12	180.87	12,738.39	-7,749.95	-117.98	7,750.85	0.00	0.00	0.00
20,400.00	90.12	180.87	12,738.17	-7,849.94	-119.51	7,850.85	0.00	0.00	0.00
20,500.00	90.12	180.87	12,737.96	-7,949.93	-121.03	7,950.85	0.00	0.00	0.00
20,600.00	90.12	180.87	12,737.74	-8,049.91	-122.55	8,050.85	0.00	0.00	0.00
20,700.00	90.12	180.87	12,737.53	-8,149.90	-124.07	8,150.85	0.00	0.00	0.00
20,800.00	90.12	180.87	12,737.31	-8,249.89	-125.60	8,250.85	0.00	0.00	0.00
20,900.00	90.12	180.87	12,737.09	-8,349.88	-127.12	8,350.85	0.00	0.00	0.00
21,000.00	90.12	180.87	12,736.88	-8,449.87	-128.64	8,450.85	0.00	0.00	0.00
21,100.00	90.12	180.87	12,736.66	-8,549.85	-130.16	8,550.85	0.00	0.00	0.00
21,200.00	90.12	180.87	12,736.45	-8,649.84	-131.68	8,650.85	0.00	0.00	0.00
21,300.00	90.12	180.87	12,736.23	-8,749.83	-133.21	8,750.85	0.00	0.00	0.00
21,400.00	90.12	180.87	12,736.02	-8,849.82	-134.73	8,850.85	0.00	0.00	0.00
21,500.00	90.12	180.87	12,735.80	-8,949.81	-136.25	8,950.84	0.00	0.00	0.00
21,600.00	90.12	180.87	12,735.58	-9,049.80	-137.77	9,050.84	0.00	0.00	0.00
21,700.00	90.12	180.87	12,735.37	-9,149.78	-139.30	9,150.84	0.00	0.00	0.00
21,800.00	90.12	180.87	12,735.15	-9,249.77	-140.82	9,250.84	0.00	0.00	0.00
21,900.00	90.12	180.87	12,734.94	-9,349.76	-142.34	9,350.84	0.00	0.00	0.00
22,000.00	90.12	180.87	12,734.72	-9,449.75	-143.86	9,450.84	0.00	0.00	0.00
22,100.00	90.12	180.87	12,734.51	-9,549.74	-145.38	9,550.84	0.00	0.00	0.00
22,200.00	90.12	180.87	12,734.29	-9,649.73	-146.91	9,650.84	0.00	0.00	0.00
22,294.10	90.12	180.87	12,734.09	-9,743.81	-148.34	9,744.94	0.00	0.00	0.00
22,300.00	90.12	180.87	12,734.08	-9,749.71	-148.43	9,750.84	0.01	-0.01	-0.01
22,335.63	90.12	180.87	12,734.00	-9,785.34	-148.97	9,786.47	0.01	-0.01	-0.01

Design Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Fighting Okra 18-19 Fed - plan hits target center - Point	0.00	0.01	12,734.00	-9,785.34	-148.97	372,912.09	795,448.81	32.022565	-103.513400