

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 19 2019

RECEIVED



EOG Resources - Artesia

Eddy County (NAD83)

Rumble

Rumble State #4H

30-015-45749

Lateral

Plan: Plan #1

Standard Planning Report

14 February, 2019



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Artesia
Project: Eddy County (NAD83)
Site: Rumble
Well: Rumble State #4H
Wellbore: Lateral
Design: Plan #1

Local Co-ordinate Reference: Well Rumble State #4H
TVD Reference: KB @ 3583.500usft (Trinidad #436)
MD Reference: KB @ 3583.500usft (Trinidad #436)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Eddy County (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Rumble		
Site Position:	Northing:	627,551.00 usft	Latitude: 32° 43' 30.267 N
From: Map	Easting:	491,885.00 usft	Longitude: 104° 29' 38.911 W
Position Uncertainty:	0.000 usft	Slot Radius: 13-3/16 "	Grid Convergence: -0.09 °

Well	Rumble State #4H		
Well Position	+N/-S	-175.120 usft	Northing: 627,375.88 usft
	+E/-W	-1,299.730 usft	Easting: 490,585.27 usft
Position Uncertainty	0.000 usft	Wellhead Elevation:	3,583.500 usft
		Ground Level:	3,567.000 usft

Wellbore	Lateral		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	2/12/2018	(°) 7.24
			Dip Angle (°) 60.35
			Field Strength (nT) 47,962.49287364

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.000
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.000	0.000	0.000
			Direction (°) 91.091

Plan Survey Tool Program	Date	2/12/2018
Depth From	Depth To	
(usft)	(usft)	
1	0.000	12,008.835
		Survey (Wellbore) Plan #1 (Lateral)
		Tool Name MWD
		Remarks OWSG MWD - Standard

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Bulld Rate	Turn Rate	TFO	Target
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.000	0.00	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	
1,300.000	0.00	0.000	1,300.000	0.000	0.000	0.00	0.00	0.00	0.00	
6,857.558	0.00	0.000	6,857.558	0.000	0.000	0.00	0.00	0.00	0.00	
7,602.899	89.44	91.091	7,335.000	-8.000	472.720	12.00	12.00	12.22	91.09	
12,008.917	89.44	91.091	7,378.000	-82.880	4,878.730	0.00	0.00	0.00	0.00	[RUMBLE#1H]BHL1



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Artesia
Project: Eddy County (NAD83)
Site: Rumble
Well: Rumble State #4H
Wellbore: Lateral
Design: Plan #1

Local Co-ordinate Reference: Well Rumble State #4H
TVD Reference: KB @ 3583.500usft (Trinidad #436)
MD Reference: KB @ 3583.500usft (Trinidad #436)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00
100.000	0.00	0.000	100.000	0.000	0.000	0.000	0.00	0.00	0.00
200.000	0.00	0.000	200.000	0.000	0.000	0.000	0.00	0.00	0.00
300.000	0.00	0.000	300.000	0.000	0.000	0.000	0.00	0.00	0.00
400.000	0.00	0.000	400.000	0.000	0.000	0.000	0.00	0.00	0.00
500.000	0.00	0.000	500.000	0.000	0.000	0.000	0.00	0.00	0.00
600.000	0.00	0.000	600.000	0.000	0.000	0.000	0.00	0.00	0.00
700.000	0.00	0.000	700.000	0.000	0.000	0.000	0.00	0.00	0.00
800.000	0.00	0.000	800.000	0.000	0.000	0.000	0.00	0.00	0.00
900.000	0.00	0.000	900.000	0.000	0.000	0.000	0.00	0.00	0.00
1,000.000	0.00	0.000	1,000.000	0.000	0.000	0.000	0.00	0.00	0.00
1,100.000	0.00	0.000	1,100.000	0.000	0.000	0.000	0.00	0.00	0.00
1,200.000	0.00	0.000	1,200.000	0.000	0.000	0.000	0.00	0.00	0.00
1,300.000	0.00	0.000	1,300.000	0.000	0.000	0.000	0.00	0.00	0.00
1,400.000	0.00	0.000	1,400.000	0.000	0.000	0.000	0.00	0.00	0.00
1,500.000	0.00	0.000	1,500.000	0.000	0.000	0.000	0.00	0.00	0.00
1,600.000	0.00	0.000	1,600.000	0.000	0.000	0.000	0.00	0.00	0.00
1,700.000	0.00	0.000	1,700.000	0.000	0.000	0.000	0.00	0.00	0.00
1,800.000	0.00	0.000	1,800.000	0.000	0.000	0.000	0.00	0.00	0.00
1,900.000	0.00	0.000	1,900.000	0.000	0.000	0.000	0.00	0.00	0.00
2,000.000	0.00	0.000	2,000.000	0.000	0.000	0.000	0.00	0.00	0.00
2,100.000	0.00	0.000	2,100.000	0.000	0.000	0.000	0.00	0.00	0.00
2,200.000	0.00	0.000	2,200.000	0.000	0.000	0.000	0.00	0.00	0.00
2,300.000	0.00	0.000	2,300.000	0.000	0.000	0.000	0.00	0.00	0.00
2,400.000	0.00	0.000	2,400.000	0.000	0.000	0.000	0.00	0.00	0.00
2,500.000	0.00	0.000	2,500.000	0.000	0.000	0.000	0.00	0.00	0.00
2,600.000	0.00	0.000	2,600.000	0.000	0.000	0.000	0.00	0.00	0.00
2,700.000	0.00	0.000	2,700.000	0.000	0.000	0.000	0.00	0.00	0.00
2,800.000	0.00	0.000	2,800.000	0.000	0.000	0.000	0.00	0.00	0.00
2,900.000	0.00	0.000	2,900.000	0.000	0.000	0.000	0.00	0.00	0.00
3,000.000	0.00	0.000	3,000.000	0.000	0.000	0.000	0.00	0.00	0.00
3,100.000	0.00	0.000	3,100.000	0.000	0.000	0.000	0.00	0.00	0.00
3,200.000	0.00	0.000	3,200.000	0.000	0.000	0.000	0.00	0.00	0.00
3,300.000	0.00	0.000	3,300.000	0.000	0.000	0.000	0.00	0.00	0.00
3,400.000	0.00	0.000	3,400.000	0.000	0.000	0.000	0.00	0.00	0.00
3,500.000	0.00	0.000	3,500.000	0.000	0.000	0.000	0.00	0.00	0.00
3,600.000	0.00	0.000	3,600.000	0.000	0.000	0.000	0.00	0.00	0.00
3,700.000	0.00	0.000	3,700.000	0.000	0.000	0.000	0.00	0.00	0.00
3,800.000	0.00	0.000	3,800.000	0.000	0.000	0.000	0.00	0.00	0.00
3,900.000	0.00	0.000	3,900.000	0.000	0.000	0.000	0.00	0.00	0.00
4,000.000	0.00	0.000	4,000.000	0.000	0.000	0.000	0.00	0.00	0.00
4,100.000	0.00	0.000	4,100.000	0.000	0.000	0.000	0.00	0.00	0.00
4,200.000	0.00	0.000	4,200.000	0.000	0.000	0.000	0.00	0.00	0.00
4,300.000	0.00	0.000	4,300.000	0.000	0.000	0.000	0.00	0.00	0.00
4,400.000	0.00	0.000	4,400.000	0.000	0.000	0.000	0.00	0.00	0.00
4,500.000	0.00	0.000	4,500.000	0.000	0.000	0.000	0.00	0.00	0.00
4,600.000	0.00	0.000	4,600.000	0.000	0.000	0.000	0.00	0.00	0.00
4,700.000	0.00	0.000	4,700.000	0.000	0.000	0.000	0.00	0.00	0.00
4,800.000	0.00	0.000	4,800.000	0.000	0.000	0.000	0.00	0.00	0.00
4,900.000	0.00	0.000	4,900.000	0.000	0.000	0.000	0.00	0.00	0.00
5,000.000	0.00	0.000	5,000.000	0.000	0.000	0.000	0.00	0.00	0.00
5,100.000	0.00	0.000	5,100.000	0.000	0.000	0.000	0.00	0.00	0.00
5,200.000	0.00	0.000	5,200.000	0.000	0.000	0.000	0.00	0.00	0.00
5,300.000	0.00	0.000	5,300.000	0.000	0.000	0.000	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Artesia
 Project: Eddy County (NAD83)
 Site: Rumble
 Well: Rumble State #4H
 Wellbore: Lateral
 Design: Plan #1

Local Co-ordinate Reference: Well Rumble State #4H
 TVD Reference: KB @ 3583.500usft (Trinidad #436)
 MD Reference: KB @ 3583.500usft (Trinidad #436)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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)
5,400.000	0.00	0.000	5,400.000	0.000	0.000	0.000	0.00	0.00	0.00
5,500.000	0.00	0.000	5,500.000	0.000	0.000	0.000	0.00	0.00	0.00
5,600.000	0.00	0.000	5,600.000	0.000	0.000	0.000	0.00	0.00	0.00
5,700.000	0.00	0.000	5,700.000	0.000	0.000	0.000	0.00	0.00	0.00
5,800.000	0.00	0.000	5,800.000	0.000	0.000	0.000	0.00	0.00	0.00
5,900.000	0.00	0.000	5,900.000	0.000	0.000	0.000	0.00	0.00	0.00
6,000.000	0.00	0.000	6,000.000	0.000	0.000	0.000	0.00	0.00	0.00
6,100.000	0.00	0.000	6,100.000	0.000	0.000	0.000	0.00	0.00	0.00
6,200.000	0.00	0.000	6,200.000	0.000	0.000	0.000	0.00	0.00	0.00
6,300.000	0.00	0.000	6,300.000	0.000	0.000	0.000	0.00	0.00	0.00
6,400.000	0.00	0.000	6,400.000	0.000	0.000	0.000	0.00	0.00	0.00
6,500.000	0.00	0.000	6,500.000	0.000	0.000	0.000	0.00	0.00	0.00
6,600.000	0.00	0.000	6,600.000	0.000	0.000	0.000	0.00	0.00	0.00
6,700.000	0.00	0.000	6,700.000	0.000	0.000	0.000	0.00	0.00	0.00
6,800.000	0.00	0.000	6,800.000	0.000	0.000	0.000	0.00	0.00	0.00
6,857.558	0.00	0.000	6,857.558	0.000	0.000	0.000	0.00	0.00	0.00
KOP 12°/100 BUILD RATE									
6,875.000	2.09	91.091	6,874.896	-0.006	0.318	0.319	12.00	12.00	0.00
6,900.000	5.09	91.091	6,899.844	-0.036	1.885	1.885	12.00	12.00	0.00
6,925.000	8.09	91.091	6,924.776	-0.091	4.754	4.755	12.00	12.00	0.00
6,950.000	11.09	91.091	6,949.423	-0.170	8.919	8.921	12.00	12.00	0.00
6,975.000	14.09	91.091	6,973.819	-0.274	14.368	14.371	12.00	12.00	0.00
7,000.000	17.09	91.091	6,997.896	-0.401	21.086	21.090	12.00	12.00	0.00
7,025.000	20.09	91.091	7,021.589	-0.553	29.055	29.060	12.00	12.00	0.00
7,050.000	23.09	91.091	7,044.831	-0.728	38.253	38.260	12.00	12.00	0.00
7,075.000	26.09	91.091	7,067.561	-0.926	48.654	48.663	12.00	12.00	0.00
7,100.000	29.09	91.091	7,089.715	-1.147	60.230	60.241	12.00	12.00	0.00
7,125.000	32.09	91.091	7,111.233	-1.389	72.950	72.963	12.00	12.00	0.00
7,150.000	35.09	91.091	7,132.055	-1.652	86.778	86.794	12.00	12.00	0.00
7,175.000	38.09	91.091	7,152.125	-1.936	101.677	101.695	12.00	12.00	0.00
7,200.000	41.09	91.091	7,171.388	-2.239	117.605	117.627	12.00	12.00	0.00
7,225.000	44.09	91.091	7,189.790	-2.561	134.520	134.544	12.00	12.00	0.00
7,250.000	47.09	91.091	7,207.282	-2.901	152.374	152.402	12.00	12.00	0.00
7,275.000	50.09	91.091	7,223.815	-3.258	171.120	171.151	12.00	12.00	0.00
7,300.000	53.09	91.091	7,239.344	-3.631	190.704	190.739	12.00	12.00	0.00
7,325.000	56.09	91.091	7,253.827	-4.018	211.075	211.113	12.00	12.00	0.00
7,350.000	59.09	91.091	7,267.224	-4.420	232.175	232.217	12.00	12.00	0.00
7,375.000	62.09	91.091	7,279.498	-4.835	253.948	253.994	12.00	12.00	0.00
7,400.000	65.09	91.091	7,290.615	-5.261	276.332	276.382	12.00	12.00	0.00
7,425.000	68.09	91.091	7,300.545	-5.697	299.268	299.322	12.00	12.00	0.00
7,450.000	71.09	91.091	7,309.261	-6.143	322.692	322.751	12.00	12.00	0.00
7,475.000	74.09	91.091	7,316.739	-6.597	346.540	346.603	12.00	12.00	0.00
7,500.000	77.09	91.091	7,322.959	-7.058	370.747	370.814	12.00	12.00	0.00
7,525.000	80.09	91.091	7,327.903	-7.525	395.246	395.318	12.00	12.00	0.00
7,550.000	83.09	91.091	7,331.557	-7.995	419.970	420.046	12.00	12.00	0.00
7,575.000	86.09	91.091	7,333.913	-8.469	444.851	444.932	12.00	12.00	0.00
7,600.000	89.09	91.091	7,334.863	-8.944	469.822	469.907	12.00	12.00	0.00
7,602.889	89.44	91.091	7,335.000	-9.000	472.720	472.806	12.00	12.00	0.00
[RSC#4H]EOC 7603' MD (7335' TVD)									
7,629.919	89.44	91.091	7,335.263	-9.514	499.734	499.825	0.00	0.00	0.00
[RSC#4H]JUMP 7630' MD (7335' TVD)									
7,700.000	89.44	91.091	7,335.947	-10.848	569.799	569.902	0.00	0.00	0.00
7,800.000	89.44	91.091	7,336.923	-12.751	669.776	669.897	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Artesia
 Project: Eddy County (NAD83)
 Site: Rumble
 Well: Rumble State #4H
 Wellbore: Lateral
 Design: Plan #1

Local Co-ordinate Reference: Well Rumble State #4H
 TVD Reference: KB @ 3583.500usft (Trinidad #436)
 MD Reference: KB @ 3583.500usft (Trinidad #436)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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)
7,900.000	89.44	91.091	7,337.899	-14.654	769.753	769.893	0.00	0.00	0.00
8,000.000	89.44	91.091	7,338.874	-16.558	869.730	869.888	0.00	0.00	0.00
8,100.000	89.44	91.091	7,339.850	-18.461	969.707	969.883	0.00	0.00	0.00
8,200.000	89.44	91.091	7,340.826	-20.364	1,069.685	1,069.878	0.00	0.00	0.00
8,300.000	89.44	91.091	7,341.801	-22.268	1,169.662	1,169.874	0.00	0.00	0.00
8,400.000	89.44	91.091	7,342.777	-24.171	1,269.639	1,269.869	0.00	0.00	0.00
8,500.000	89.44	91.091	7,343.753	-26.074	1,369.616	1,369.864	0.00	0.00	0.00
8,600.000	89.44	91.091	7,344.729	-27.978	1,469.593	1,469.859	0.00	0.00	0.00
8,700.000	89.44	91.091	7,345.704	-29.881	1,569.570	1,569.855	0.00	0.00	0.00
8,800.000	89.44	91.091	7,346.680	-31.784	1,669.547	1,669.850	0.00	0.00	0.00
8,900.000	89.44	91.091	7,347.656	-33.688	1,769.524	1,769.845	0.00	0.00	0.00
9,000.000	89.44	91.091	7,348.631	-35.591	1,869.502	1,869.840	0.00	0.00	0.00
9,100.000	89.44	91.091	7,349.607	-37.494	1,969.479	1,969.836	0.00	0.00	0.00
9,200.000	89.44	91.091	7,350.583	-39.398	2,069.456	2,069.831	0.00	0.00	0.00
9,300.000	89.44	91.091	7,351.559	-41.301	2,169.433	2,169.826	0.00	0.00	0.00
9,400.000	89.44	91.091	7,352.534	-43.204	2,269.410	2,269.821	0.00	0.00	0.00
9,500.000	89.44	91.091	7,353.510	-45.108	2,369.387	2,369.816	0.00	0.00	0.00
9,600.000	89.44	91.091	7,354.486	-47.011	2,469.364	2,469.812	0.00	0.00	0.00
9,700.000	89.44	91.091	7,355.461	-48.914	2,569.341	2,569.807	0.00	0.00	0.00
9,800.000	89.44	91.091	7,356.437	-50.818	2,669.319	2,669.802	0.00	0.00	0.00
9,900.000	89.44	91.091	7,357.413	-52.721	2,769.296	2,769.797	0.00	0.00	0.00
10,000.000	89.44	91.091	7,358.389	-54.624	2,869.273	2,869.793	0.00	0.00	0.00
10,100.000	89.44	91.091	7,359.364	-56.528	2,969.250	2,969.788	0.00	0.00	0.00
10,200.000	89.44	91.091	7,360.340	-58.431	3,069.227	3,069.783	0.00	0.00	0.00
10,300.000	89.44	91.091	7,361.316	-60.334	3,169.204	3,169.778	0.00	0.00	0.00
10,400.000	89.44	91.091	7,362.291	-62.238	3,269.181	3,269.774	0.00	0.00	0.00
10,500.000	89.44	91.091	7,363.267	-64.141	3,369.158	3,369.769	0.00	0.00	0.00
10,600.000	89.44	91.091	7,364.243	-66.045	3,469.135	3,469.764	0.00	0.00	0.00
10,700.000	89.44	91.091	7,365.219	-67.948	3,569.113	3,569.759	0.00	0.00	0.00
10,800.000	89.44	91.091	7,366.194	-69.851	3,669.090	3,669.755	0.00	0.00	0.00
10,900.000	89.44	91.091	7,367.170	-71.755	3,769.067	3,769.750	0.00	0.00	0.00
11,000.000	89.44	91.091	7,368.146	-73.658	3,869.044	3,869.745	0.00	0.00	0.00
11,100.000	89.44	91.091	7,369.121	-75.561	3,969.021	3,969.740	0.00	0.00	0.00
11,200.000	89.44	91.091	7,370.097	-77.465	4,069.998	4,069.735	0.00	0.00	0.00
11,300.000	89.44	91.091	7,371.073	-79.368	4,169.975	4,169.731	0.00	0.00	0.00
11,400.000	89.44	91.091	7,372.049	-81.271	4,269.952	4,269.726	0.00	0.00	0.00
11,500.000	89.44	91.091	7,373.024	-83.175	4,369.930	4,369.721	0.00	0.00	0.00
11,600.000	89.44	91.091	7,374.000	-85.078	4,469.907	4,469.716	0.00	0.00	0.00
11,700.000	89.44	91.091	7,374.976	-86.981	4,569.884	4,569.712	0.00	0.00	0.00
11,800.000	89.44	91.091	7,375.951	-88.885	4,669.861	4,669.707	0.00	0.00	0.00
11,900.000	89.44	91.091	7,376.927	-90.788	4,769.838	4,769.702	0.00	0.00	0.00
12,009.917	89.44	91.091	7,378.000	-92.880	4,878.730	4,878.614	0.00	0.00	0.00

[RSC#4H]BHL 12010' MD (7378' TVD)



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Artesia
Project: Eddy County (NAD83)
Site: Rumble
Well: Rumble State #4H
Wellbore: Lateral
Design: Plan #1

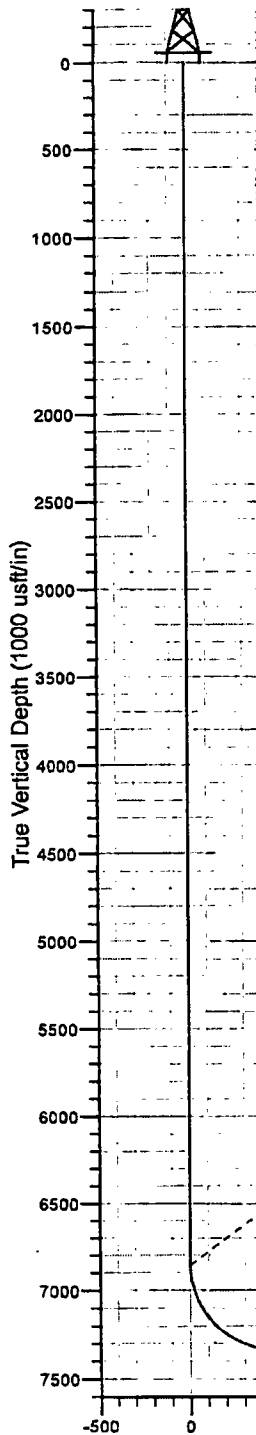
Local Co-ordinate Reference: Well Rumble State #4H
TVD Reference: KB @ 3583.500usft (Trinidad #436)
MD Reference: KB @ 3583.500usft (Trinidad #436)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
[RUMBLE#1H]UMP1 - plan misses target center by 0.451usft at 7629.819usft MD (7335.264 TVD, -9.514 N, 489.734 E) - Point	0.00	0.000	7,335.000	-9.880	499.730	627,366.00	491,085.00	32° 43' 28.424 N	104° 28' 48.273 W
[RUMBLE#1H]BHL1 - plan hits target center - Point	0.00	0.000	7,378.000	-92.880	4,878.730	627,283.00	495,464.00	32° 43' 27.667 N	104° 28' 57.009 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,857.558	6,857.558	0.000	0.000	KOP 12"/100 BUILD RATE
7,602.899	7,335.000	-9.000	472.720	[RSC#4H]EOC 7603' MD (7335' TVD)
7,629.919	7,335.263	-9.514	499.734	[RSC#4H]UMP 7630' MD (7335' TVD)
12,009.917	7,378.000	-92.880	4,878.730	[RSC#4H]BHL 12010' MD (7378' TVD)



Project: Eddy County (NAD83)
 Site: Rumble
 Well: Rumble State #4H
 Wellbore: Lateral
 Design: Plan #1
 Ground Elevation 3567.000
 Northing 627375.88
 Easting 490585.27
 KB @ 3583.500usft (Trinidad #436)

PROJECT DETAILS: Eddy County (NAD83)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level



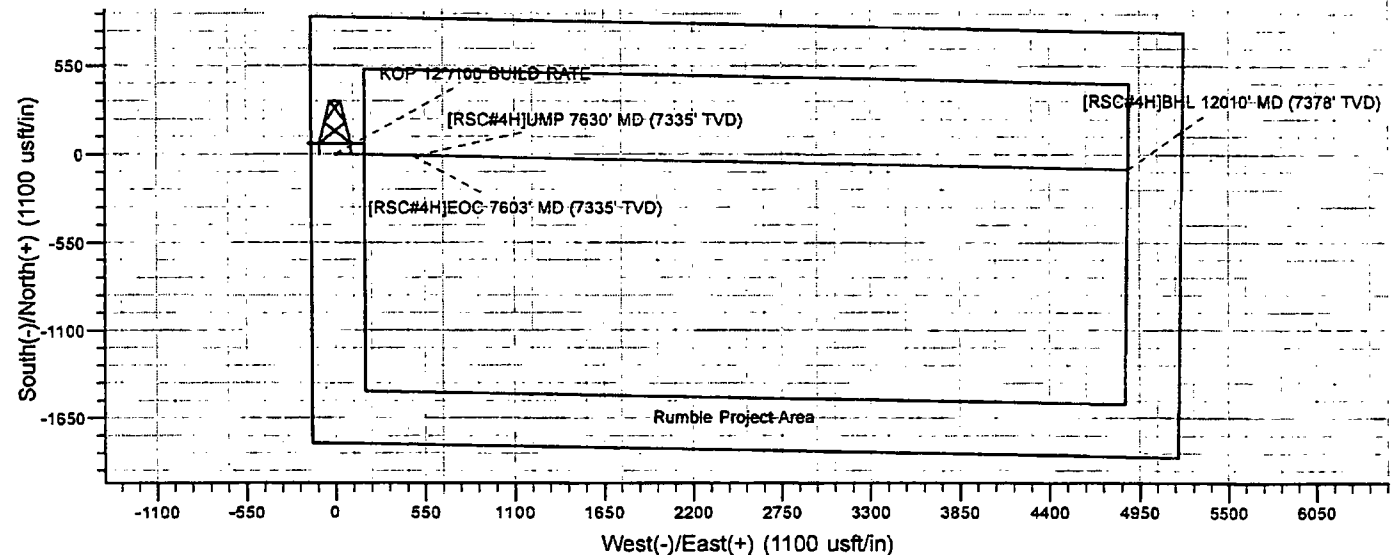
Azimuths to Grid North
 True North: 0.09°
 Magnetic North: 7.33°
 Magnetic Field
 Strength: 47962.5nT
 Dip Angle: 60.35°
 Date: 2/12/2019
 Model: IGRF2015

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	0.000	0.00	0.000	0.000	0.000	0.000	0.00	0.00	0.000
2	1300.000	0.00	0.000	1300.000	0.000	0.000	0.00	0.00	0.000
3	6857.558	0.00	0.000	6857.558	0.000	0.000	0.00	0.00	0.000
4	7602.899	89.44	91.091	7335.000	-9.000	472.720	12.00	91.09	472.806
5	12009.917	89.44	91.091	7378.000	-92.880	4878.730	0.00	0.00	4879.614

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
[RUMBLE#1H]UMP1 - plan misses target center by 0.451usft at 7629.919usft MD (7335.264 TVD, -9.514 N, 499.734 E)	7335.000	-9.880	499.730	627366.00	491085.00
[RUMBLE#1H]BHL1 - plan hits target center	7378.000	-92.880	4878.730	627283.00	495464.00



Vertical Section at 91.091° (1000 usft/in)

