

API# 30-015-41547



SM Energy

Eddy County, NM (NAD 83)

Sec 36, T19S, R29E

Parkway 36 #6H

Original Wellbore

Plan: Plan #1

Standard Planning Report

03 July, 2013



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Parkway 36 #6H
Company:	SM Energy	TVD Reference:	WELL @ 3349.0usft (Original Well Elev)
Project:	Eddy County, NM (NAD 83)	MD Reference:	WELL @ 3349.0usft (Original Well Elev)
Site:	Sec 36, T19S, R29E	North Reference:	Grid
Well:	Parkway 36 #6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
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	Sec 36, T19S, R29E		
Site Position:	From: Map	Northing:	0.00 usft
		Easting:	0.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	30° 59' 18.404 N
		Longitude:	106° 3' 38.987 W
		Grid Convergence:	-0.89 °

Well	Parkway 36 #6H		
Well Position	+N/-S	587,987.5 usft	Northing:
	+E/-W	637,535.4 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,349.0 usft
		Latitude:	32° 36' 57.744 N
		Longitude:	104° 1' 15.237 W
		Ground Level:	3,331.0 usft

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/2/2013	7.57	60.42	48,599

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	268.85

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,843.4	0.00	0.00	6,843.4	0.0	0.0	0.00	0.00	0.00	0.00	
7,750.8	90.74	268.85	7,416.3	-11.6	-580.2	10.00	10.00	0.00	268.85	Parkway 36 #6H
11,800.3	90.74	268.85	7,364.0	-92.6	-4,628.6	0.00	0.00	0.00	0.00	Parkway 36 #6H

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Well:	Parkway 36 #6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
124.0	0.00	0.00	124.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
369.0	0.00	0.00	369.0	0.0	0.0	0.0	0.00	0.00	0.00
Top Salt									
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,249.0	0.00	0.00	1,249.0	0.0	0.0	0.0	0.00	0.00	0.00
Base Salt									
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,444.0	0.00	0.00	1,444.0	0.0	0.0	0.0	0.00	0.00	0.00
Yates									
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,864.0	0.00	0.00	1,864.0	0.0	0.0	0.0	0.00	0.00	0.00
Capitan									
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,559.0	0.00	0.00	3,559.0	0.0	0.0	0.0	0.00	0.00	0.00
Delaware									
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00

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Wellbore:	Original Wellbore		
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)
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,769.0	0.00	0.00	4,769.0	0.0	0.0	0.0	0.00	0.00	0.00
Middle Brushy Canyon									
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,067.0	0.00	0.00	6,067.0	0.0	0.0	0.0	0.00	0.00	0.00
Bone Spring Lime									
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,843.4	0.00	0.00	6,843.4	0.0	0.0	0.0	0.00	0.00	0.00
KOP_BLD 10°/100'									
6,850.0	0.66	268.85	6,850.0	0.0	0.0	0.0	10.02	10.02	0.00
6,900.0	5.66	268.85	6,899.9	-0.1	-2.8	2.8	10.00	10.00	0.00
6,939.3	9.60	268.85	6,938.9	-0.2	-8.0	8.0	10.00	10.00	0.00
1st Bone Spring Lime									
6,950.0	10.66	268.85	6,949.4	-0.2	-9.9	9.9	10.00	10.00	0.00
7,000.0	15.66	268.85	6,998.1	-0.4	-21.3	21.3	10.00	10.00	0.00
7,050.0	20.66	268.85	7,045.6	-0.7	-36.8	36.9	10.00	10.00	0.00
7,100.0	25.66	268.85	7,091.5	-1.1	-56.5	56.5	10.00	10.00	0.00
7,150.0	30.66	268.85	7,135.6	-1.6	-80.1	80.1	10.00	10.00	0.00
7,200.0	35.66	268.85	7,177.4	-2.1	-107.4	107.4	10.00	10.00	0.00
7,250.0	40.66	268.85	7,216.7	-2.8	-138.3	138.3	10.00	10.00	0.00
7,300.0	45.66	268.85	7,253.2	-3.4	-172.5	172.5	10.00	10.00	0.00
7,350.0	50.66	268.85	7,286.5	-4.2	-209.7	209.8	10.00	10.00	0.00
7,400.0	55.66	268.85	7,316.5	-5.0	-249.7	249.8	10.00	10.00	0.00
7,450.0	60.66	268.85	7,342.9	-5.8	-292.2	292.2	10.00	10.00	0.00
7,475.7	63.23	268.85	7,354.9	-6.3	-314.8	314.9	10.00	10.00	0.00
1st Bone Spring Sand									
7,500.0	65.66	268.85	7,365.4	-6.7	-336.8	336.8	10.00	10.00	0.00
7,550.0	70.66	268.85	7,384.0	-7.7	-383.1	383.2	10.00	10.00	0.00

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Well:	Parkway 36 #6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
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)
7,600.0	75.66	268.85	7,398.5	-8.6	-431.0	431.1	10.00	10.00	0.00
7,650.0	80.66	268.85	7,408.8	-9.6	-479.9	480.0	10.00	10.00	0.00
7,700.0	85.66	268.85	7,414.7	-10.6	-529.5	529.6	10.00	10.00	0.00
7,750.8	90.74	268.85	7,416.3	-11.6	-580.3	580.4	10.00	10.00	0.00
EOC_HLD 90.74° Inc.									
7,800.0	90.74	268.85	7,415.7	-12.6	-629.4	629.6	0.00	0.00	0.00
7,900.0	90.74	268.85	7,414.4	-14.6	-729.4	729.6	0.00	0.00	0.00
8,000.0	90.74	268.85	7,413.1	-16.6	-829.4	829.5	0.00	0.00	0.00
8,100.0	90.74	268.85	7,411.8	-18.6	-929.4	929.5	0.00	0.00	0.00
8,200.0	90.74	268.85	7,410.5	-20.6	-1,029.3	1,029.5	0.00	0.00	0.00
8,300.0	90.74	268.85	7,409.2	-22.6	-1,129.3	1,129.5	0.00	0.00	0.00
8,400.0	90.74	268.85	7,407.9	-24.6	-1,229.3	1,229.5	0.00	0.00	0.00
8,500.0	90.74	268.85	7,406.6	-26.6	-1,329.2	1,329.5	0.00	0.00	0.00
8,600.0	90.74	268.85	7,405.3	-28.6	-1,429.2	1,429.5	0.00	0.00	0.00
8,700.0	90.74	268.85	7,404.0	-30.6	-1,529.2	1,529.5	0.00	0.00	0.00
8,800.0	90.74	268.85	7,402.7	-32.6	-1,629.2	1,629.5	0.00	0.00	0.00
8,900.0	90.74	268.85	7,401.5	-34.6	-1,729.1	1,729.5	0.00	0.00	0.00
9,000.0	90.74	268.85	7,400.2	-36.6	-1,829.1	1,829.5	0.00	0.00	0.00
9,100.0	90.74	268.85	7,398.9	-38.6	-1,929.1	1,929.5	0.00	0.00	0.00
9,200.0	90.74	268.85	7,397.6	-40.6	-2,029.0	2,029.4	0.00	0.00	0.00
9,300.0	90.74	268.85	7,396.3	-42.6	-2,129.0	2,129.4	0.00	0.00	0.00
9,400.0	90.74	268.85	7,395.0	-44.6	-2,229.0	2,229.4	0.00	0.00	0.00
9,500.0	90.74	268.85	7,393.7	-46.6	-2,329.0	2,329.4	0.00	0.00	0.00
9,600.0	90.74	268.85	7,392.4	-48.6	-2,428.9	2,429.4	0.00	0.00	0.00
9,700.0	90.74	268.85	7,391.1	-50.6	-2,528.9	2,529.4	0.00	0.00	0.00
9,800.0	90.74	268.85	7,389.8	-52.6	-2,628.9	2,629.4	0.00	0.00	0.00
9,900.0	90.74	268.85	7,388.5	-54.6	-2,728.8	2,729.4	0.00	0.00	0.00
10,000.0	90.74	268.85	7,387.3	-56.6	-2,828.8	2,829.4	0.00	0.00	0.00
10,100.0	90.74	268.85	7,386.0	-58.6	-2,928.8	2,929.4	0.00	0.00	0.00
10,200.0	90.74	268.85	7,384.7	-60.6	-3,028.8	3,029.4	0.00	0.00	0.00
10,300.0	90.74	268.85	7,383.4	-62.6	-3,128.7	3,129.4	0.00	0.00	0.00
10,400.0	90.74	268.85	7,382.1	-64.6	-3,228.7	3,229.3	0.00	0.00	0.00
10,500.0	90.74	268.85	7,380.8	-66.6	-3,328.7	3,329.3	0.00	0.00	0.00
10,600.0	90.74	268.85	7,379.5	-68.6	-3,428.6	3,429.3	0.00	0.00	0.00
10,700.0	90.74	268.85	7,378.2	-70.6	-3,528.6	3,529.3	0.00	0.00	0.00
10,800.0	90.74	268.85	7,376.9	-72.6	-3,628.6	3,629.3	0.00	0.00	0.00
10,900.0	90.74	268.85	7,375.6	-74.6	-3,728.6	3,729.3	0.00	0.00	0.00
11,000.0	90.74	268.85	7,374.3	-76.6	-3,828.5	3,829.3	0.00	0.00	0.00
11,100.0	90.74	268.85	7,373.0	-78.6	-3,928.5	3,929.3	0.00	0.00	0.00
11,200.0	90.74	268.85	7,371.8	-80.6	-4,028.5	4,029.3	0.00	0.00	0.00
11,300.0	90.74	268.85	7,370.5	-82.6	-4,128.4	4,129.3	0.00	0.00	0.00
11,400.0	90.74	268.85	7,369.2	-84.6	-4,228.4	4,229.3	0.00	0.00	0.00
11,500.0	90.74	268.85	7,367.9	-86.6	-4,328.4	4,329.3	0.00	0.00	0.00
11,600.0	90.74	268.85	7,366.6	-88.6	-4,428.4	4,429.2	0.00	0.00	0.00
11,700.0	90.74	268.85	7,365.3	-90.6	-4,528.3	4,529.2	0.00	0.00	0.00
11,800.2	90.74	268.85	7,364.0	-92.6	-4,628.5	4,629.4	0.00	0.00	0.00
TD at 11800.3									
11,800.3	90.74	268.85	7,364.0	-92.6	-4,628.6	4,629.5	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Parkway 36 #6H
Company:	SM Energy	TVD Reference:	WELL @ 3349.0usft (Original Well Elev)
Project:	Eddy County, NM (NAD 83)	MD Reference:	WELL @ 3349.0usft (Original Well Elev)
Site:	Sec 36, T19S, R29E	North Reference:	Grid
Well:	Parkway 36 #6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan #1		

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
Parkway 36 #6H	0.00	0.00	7,364.0	-92.6	-4,628.6	587,894.90	632,906.80	32° 36' 56.959 N	104° 2' 9.358 W
- plan hits target center									
- Point									

Casing Points

Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter
(usft)	(usft)		(")	(")
3,550.0	3,550.0	9 5/8"	9-5/8	12-1/4
11,800.2	7,364.0	4 1/2"	4-1/2	6

Formations

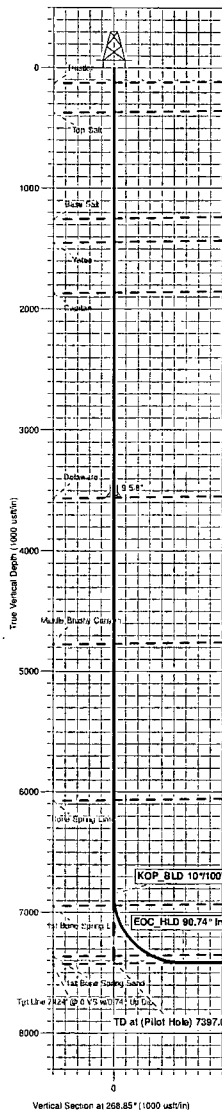
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(usft)	(usft)			(°)	(°)
124.0	124.0	Rustler		-0.74	268.60
369.0	369.0	Top Salt		-0.74	268.60
1,249.0	1,249.0	Base Salt		-0.74	268.60
1,444.0	1,444.0	Yates		-0.74	268.60
1,864.0	1,864.0	Capitan		-0.74	268.60
3,559.0	3,559.0	Delaware		-0.74	268.60
4,769.0	4,769.0	Middle Brushy Canyon		-0.74	268.60
6,067.0	6,067.0	Bone Spring Lime		-0.74	268.60
6,939.3	6,938.9	1st Bone Spring Lime		-0.74	268.60
7,475.7	7,354.9	1st Bone Spring Sand		-0.74	268.60

Plan Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S	+E/-W	
(usft)	(usft)	(usft)	(usft)	
6,843.4	6,843.4	0.0	0.0	KOP_BLD 10°/100'
7,750.8	7,416.3	-11.6	-580.3	EOC_HLD 90.74° Inc.
11,800.2	7,364.0	-92.6	-4,628.5	TD at 11800.3

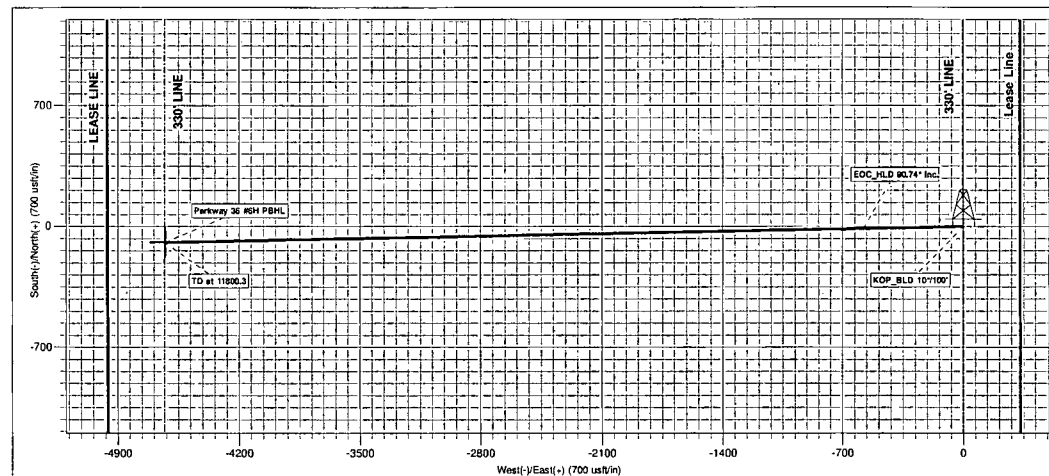
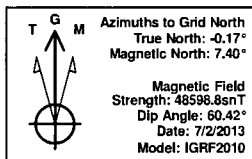
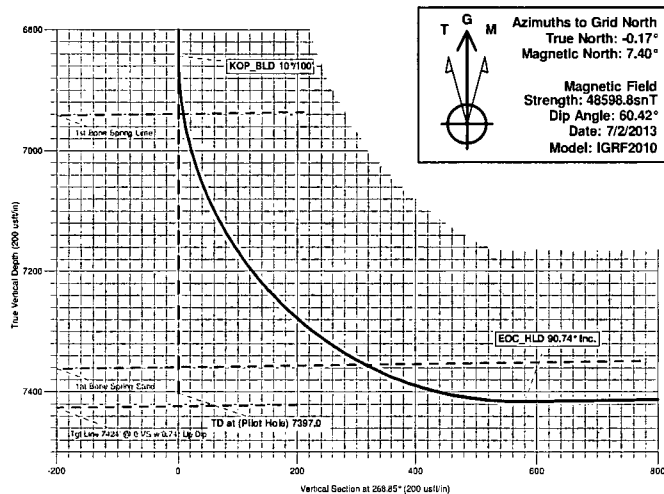


SM Energy
Project: Eddy County, NM (NAD 83)
Site: Sec 36, T19S, R29E
Well: Parkway 36 #6H
Wellbore: Original Wellbore
Design: Plan #1
Lat: 32° 36' 57.744 N
Long: 104° 1' 15.237 W
Pad GL: 3331.0
KB: WELL @ 3349.0usft (Original Well Elev)



SECTION DETAILS									
MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSecl	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
6943.4	0.00	0.00	6943.4	0.0	0.0	0.00	0.00	0.0	
7750.8	90.74	268.85	7416.3	-11.6	-580.2	10.00	268.85	580.4	
11800.3	90.74	268.85	7364.0	-42.6	-4628.6	0.00	0.00	4629.5	

FORMATION TOP DETAILS					
TVDPath	MDPath	Formation	DipAngle	DipDir	
124.0	124.0	Rooster	-0.74	268.60	
369.0	369.0	Top Salt	-0.74	268.60	
1249.0	1249.0	Base Salt	-0.74	268.60	
1444.0	1444.0	Vetas	-0.74	268.60	
1864.0	1864.0	Caplan	-0.74	268.60	
3559.0	3559.0	Delaware	-0.74	268.60	
4769.0	4769.0	Middle Brushy Canyon	-0.74	268.60	
6067.0	6067.0	Bone Spring Lime	-0.74	268.60	
6938.9	6938.9	1st Bone Spring Lime	-0.74	268.60	
7354.9	7475.7	1st Bone Spring Sand	-0.74	268.60	



WELL DETAILS: Parkway 36 #6H					
+N-S	+E-W	Ground Level	Easting	Latitude	Longitude
0.0	0.0	3331.0	637535.41	32° 36' 57.744 N	104° 1' 15.237 W

CASING DETAILS					
TVD	MD	Name	Size		
3550.0	3550.0	9 5/8"	9-5/8		
7364.0	11800.2	4 1/2"	4-1/2		

