

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

SUNDRIY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No
NM-71752

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

APR 11 2008

2 Name of Operator
Devon Energy Production Co., LP

OCD-ARTESIA

3a Address
20 North Broadway
OKC, OK 73102

3b Phone No. (include area code)
(405)-552-7802

7. If Unit of CA/Agreement, Name and/or No

8. Well Name and No.
Rifleman 6 Federal Com 3

9. API Well No
30-015-36205

10 Field and Pool or Exploratory Area
Happy Valley; Morrow

4 Location of Well (Footage, Sec., T, R, M., or Survey Description)
SL 460' FNL & 2630' FWL BHL 660' FNL & 1980' FWL
Sec 6-T22S-R26E Lot C

11 Country or Parish, State
Eddy County, NM

12 CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <u>Revise Directional Survey</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA Required subsequent reports must be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection)

Devon Energy Production Co., LP respectfully advises the directional survey has been revised.

Original TVD @ 11,277' & MD @ 11,400' has been revised to TVD @ 11,435' & MD @ 11,563'.

See attached directional survey.

14 I hereby certify that the foregoing is true and correct

Name (Printed/Typed)
Stephanie A. Ysasaga

Title Sr Staff Engineering Technician

Signature

Date 04/01/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Conditions of approval, if any, are attached Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

Title 18 U S C Section 1001 and Title 43 U S C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

APPROVED

APR 9 2008

WESLEY W. INGRAM
PETROLEUM ENGINEER

Accepted for record - NMOC

Devon Energy

Eddy County (NM83E)

Sec 6-T22S-R26E

Rifleman 6-3

Wellbore #1

Plan: 03-31-08

Standard Planning Report

31 March, 2008

Quantum Planning Report

Database: EDM 2003.16 Single User Db
Company: Devon Energy
Project: Eddy County (NM83E)
Site: Sec 6-T22S-R26E
Well: Rifleman 6-3
Wellbore: Wellbore #1
Design: 03-31-08

Local Co-ordinate Reference: Well Rifleman 6-3
TVD Reference: WELL @ 0.0ft (Original Well Elev)
MD Reference: WELL @ 0.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project Eddy County (NM83E)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site Sec 6-T22S-R26E

Site Position:		Northing:	519,130.89 ft	Latitude:	32° 25' 37.765 N
From:	Map	Easting:	541,656.56 ft	Longitude:	104° 19' 56.277 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.00 °

Well Rifleman 6-3

Well Position	+N/-S	0.0 ft	Northing:	519,130.89 ft	Latitude:	32° 25' 37.765 N
	+E/-W	0.0 ft	Easting:	541,656.56 ft	Longitude:	104° 19' 56.277 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	0.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2006	2007-12-12	8.40	60.34	49,072

Design 03-31-08

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	254.52

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,164.8	11.30	254.52	5,161.1	-14.8	-53.5	2.00	2.00	0.00	254.52	
8,324.9	11.30	254.52	8,260.0	-180.0	-650.0	0.00	0.00	0.00	0.00	Rifleman 6 Fed Cor
11,562.6	11.30	254.52	11,435.0	-349.2	-1,261.2	0.00	0.00	0.00	0.00	

Quantum Planning Report

Database: EDM 2003 16 Single User Db
Company: Devon Energy
Project: Eddy County (NM83E)
Site: Sec 6-T22S-R26E
Well: Rifleman 6-3
Wellbore: Wellbore #1
Design: 03-31-08

Local Co-ordinate Reference: Well Rifleman 6-3
TVD Reference: WELL @ 0.0ft (Original Well Elev)
MD Reference: WELL @ 0.0ft (Original Well Elev)
North Reference: True
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 (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
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
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
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
Capitan									
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
1,300.0	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
1,500.0	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
1,900.0	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
Delaware Mtn Gp									
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
3,600.0	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
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
4,370.0	0.00	0.00	4,370.0	0.0	0.0	0.0	0.00	0.00	0.00
Lower Brushy Canyon									
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
KOP - 2°/100' @ 254.52° AZI									
4,610.0	0.20	254.52	4,610.0	0.0	0.0	0.0	2.00	2.00	0.00

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Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Bone Springs Lm									
4,700.0	2 00	254.52	4,700.0	-0 5	-1.7	1.7	2 00	2 00	0.00
4,800 0	4 00	254 52	4,799.8	-1 9	-6.7	7.0	2.00	2 00	0.00
4,900 0	6.00	254.52	4,899 5	-4 2	-15.1	15.7	2 00	2.00	0.00
5,000 0	8 00	254 52	4,998.7	-7.4	-26.9	27.9	2.00	2.00	0.00
5,100 0	10 00	254.52	5,097.5	-11.6	-41.9	43.5	2.00	2 00	0.00
5,164.8	11.30	254.52	5,161.1	-14.8	-53.5	55.5	2.00	2 00	0.00
Begin Hold to TD									
5,200 0	11 30	254.52	5,195.7	-16 6	-60.1	62.4	0.00	0 00	0.00
5,300.0	11.30	254.52	5,293.7	-21.9	-79 0	82 0	0 00	0.00	0.00
5,400.0	11 30	254.52	5,391 8	-27.1	-97 9	101.6	0 00	0.00	0.00
5,500.0	11 30	254 52	5,489.9	-32 3	-116 8	121.2	0 00	0.00	0.00
5,600.0	11.30	254 52	5,587 9	-37.6	-135.6	140.7	0.00	0.00	0.00
5,700 0	11.30	254 52	5,686.0	-42.8	-154.5	160.3	0.00	0 00	0.00
5,785.7	11.30	254.52	5,770.0	-47.3	-170.7	177.1	0 00	0.00	0 00
1st Bone Springs Lm									
5,800.0	11.30	254.52	5,784 0	-48.0	-173 4	179 9	0 00	0 00	0 00
5,900.0	11.30	254.52	5,882.1	-53 2	-192 3	199 5	0 00	0 00	0.00
5,999.8	11 30	254.52	5,980.0	-58.5	-211 1	219 1	0 00	0.00	0 00
2nd Bone Springs Lm									
6,000 0	11.30	254 52	5,980.2	-58 5	-211.1	219.1	0 00	0.00	0.00
6,100.0	11.30	254 52	6,078.2	-63 7	-230.0	238.7	0.00	0.00	0 00
6,200.0	11.30	254.52	6,176.3	-68.9	-248.9	258.3	0 00	0.00	0.00
6,300.0	11.30	254.52	6,274.4	-74.1	-267.8	277.9	0.00	0 00	0.00
6,400.0	11.30	254.52	6,372.4	-79.4	-286.7	297 4	0 00	0 00	0.00
6,417.9	11.30	254.52	6,390.0	-80 3	-290 0	300 9	0 00	0.00	0 00
2nd Bone Springs Ss									
6,500 0	11 30	254 52	6,470.5	-84 6	-305 5	317 0	0.00	0.00	0.00
6,600.0	11 30	254 52	6,568 5	-89 8	-324.4	336.6	0.00	0.00	0 00
6,700.0	11 30	254.52	6,666.6	-95.1	-343.3	356.2	0.00	0.00	0 00
6,744.2	11.30	254 52	6,710.0	-97.4	-351.6	364.9	0 00	0 00	0.00
3rd Bone Springs Lm									
6,800.0	11.30	254.52	6,764 7	-100.3	-362 2	375 8	0 00	0 00	0.00
6,900 0	11 30	254.52	6,862.7	-105.5	-381.0	395.4	0.00	0.00	0 00
7,000.0	11.30	254.52	6,960.8	-110.7	-399 9	415 0	0 00	0 00	0.00
7,100.0	11.30	254.52	7,058.9	-116 0	-418 8	434.5	0 00	0.00	0 00
7,200.0	11.30	254.52	7,156.9	-121 2	-437.7	454.1	0.00	0 00	0.00
7,300.0	11.30	254.52	7,255 0	-126 4	-456 5	473.7	0 00	0.00	0.00
7,400.0	11.30	254 52	7,353 1	-131 6	-475.4	493.3	0.00	0.00	0.00
7,500 0	11 30	254 52	7,451 1	-136 9	-494.3	512.9	0.00	0 00	0.00
7,600.0	11 30	254 52	7,549 2	-142 1	-513.2	532.5	0.00	0 00	0.00
7,700 0	11.30	254 52	7,647 2	-147 3	-532.1	552 1	0.00	0 00	0.00
7,800 0	11 30	254 52	7,745 3	-152 6	-550.9	571 7	0 00	0 00	0.00
7,896.6	11 30	254 52	7,840 0	-157.6	-569.2	590.6	0.00	0.00	0 00
3rd Bone Springs Ss									
7,900.0	11 30	254.52	7,843 4	-157.8	-569 8	591 2	0 00	0.00	0 00
8,000 0	11 30	254 52	7,941 4	-163.0	-588 7	610 8	0 00	0.00	0.00
8,100 0	11 30	254.52	8,039 5	-168.2	-607 6	630 4	0 00	0.00	0 00
8,200 0	11.30	254.52	8,137 6	-173.5	-626 4	650 0	0 00	0.00	0.00
8,300 0	11.30	254.52	8,235.6	-178.7	-645.3	669 6	0 00	0.00	0.00
8,324.9	11.30	254.52	8,260.0	-180.0	-650.0	674.5	0 00	0.00	0 00

Wolfcamp Lmy Sh - Rifleman 6 Fed Com #3 Target #1

Quantum Planning Report

Database: EDM 2003.16 Single User Db
Company: Devon Energy
Project: Eddy County (NM83E)
Site: Sec 6-T22S-R26E
Well: Rifleman 6-3
Wellbore: Wellbore #1
Design: 03-31-08

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Rifleman 6-3
 WELL @ 0.0ft (Original Well Elev)
 WELL @ 0.0ft (Original Well Elev)
 True
 Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,340.1	11.30	254.52	8,275.0	-180.8	-652.9	677.5	0.00	0.00	0.00
Rifleman 6-3 Target #1									
8,400.0	11.30	254.52	8,333.7	-183.9	-664.2	689.2	0.00	0.00	0.00
8,500.0	11.30	254.52	8,431.7	-189.1	-683.1	708.8	0.00	0.00	0.00
8,600.0	11.30	254.52	8,529.8	-194.4	-701.9	728.4	0.00	0.00	0.00
8,700.0	11.30	254.52	8,627.9	-199.6	-720.8	747.9	0.00	0.00	0.00
8,800.0	11.30	254.52	8,725.9	-204.8	-739.7	767.5	0.00	0.00	0.00
8,844.9	11.30	254.52	8,770.0	-207.2	-748.2	776.3	0.00	0.00	0.00
Lower Wolfcamp									
8,900.0	11.30	254.52	8,824.0	-210.1	-758.6	787.1	0.00	0.00	0.00
9,000.0	11.30	254.52	8,922.1	-215.3	-777.5	806.7	0.00	0.00	0.00
9,100.0	11.30	254.52	9,020.1	-220.5	-796.3	826.3	0.00	0.00	0.00
9,200.0	11.30	254.52	9,118.2	-225.7	-815.2	845.9	0.00	0.00	0.00
9,283.4	11.30	254.52	9,200.0	-230.1	-831.0	862.2	0.00	0.00	0.00
Cisco-Canyon									
9,300.0	11.30	254.52	9,216.2	-231.0	-834.1	865.5	0.00	0.00	0.00
9,400.0	11.30	254.52	9,314.3	-236.2	-853.0	885.1	0.00	0.00	0.00
9,500.0	11.30	254.52	9,412.4	-241.4	-871.8	904.6	0.00	0.00	0.00
9,600.0	11.30	254.52	9,510.4	-246.6	-890.7	924.2	0.00	0.00	0.00
9,650.5	11.30	254.52	9,560.0	-249.3	-900.3	934.1	0.00	0.00	0.00
Canyon Pay									
9,700.0	11.30	254.52	9,608.5	-251.9	-909.6	943.8	0.00	0.00	0.00
9,778.0	11.30	254.52	9,685.0	-256.0	-924.3	959.1	0.00	0.00	0.00
Strawn									
9,793.3	11.30	254.52	9,700.0	-256.7	-927.2	962.1	0.00	0.00	0.00
Strawn Pay									
9,800.0	11.30	254.52	9,706.6	-257.1	-928.5	963.4	0.00	0.00	0.00
9,900.0	11.30	254.52	9,804.6	-262.3	-947.3	983.0	0.00	0.00	0.00
10,000.0	11.30	254.52	9,902.7	-267.6	-966.2	1,002.6	0.00	0.00	0.00
10,100.0	11.30	254.52	10,000.8	-272.8	-985.1	1,022.2	0.00	0.00	0.00
10,124.7	11.30	254.52	10,025.0	-274.1	-989.8	1,027.0	0.00	0.00	0.00
Akota									
10,200.0	11.30	254.52	10,098.8	-278.0	-1,004.0	1,041.8	0.00	0.00	0.00
10,252.2	11.30	254.52	10,150.0	-280.7	-1,013.8	1,052.0	0.00	0.00	0.00
Akota Pay									
10,300.0	11.30	254.52	10,196.9	-283.2	-1,022.9	1,061.3	0.00	0.00	0.00
10,313.4	11.30	254.52	10,210.0	-283.9	-1,025.4	1,064.0	0.00	0.00	0.00
Akota Pay									
10,400.0	11.30	254.52	10,294.9	-288.5	-1,041.7	1,080.9	0.00	0.00	0.00
10,500.0	11.30	254.52	10,393.0	-293.7	-1,060.6	1,100.5	0.00	0.00	0.00
10,600.0	11.30	254.52	10,491.1	-298.9	-1,079.5	1,120.1	0.00	0.00	0.00
10,700.0	11.30	254.52	10,589.1	-304.1	-1,098.4	1,139.7	0.00	0.00	0.00
10,777.4	11.30	254.52	10,665.0	-308.2	-1,113.0	1,154.8	0.00	0.00	0.00
Upper Morrow Lm Pay									
10,800.0	11.30	254.52	10,687.2	-309.4	-1,117.2	1,159.3	0.00	0.00	0.00
10,889.5	11.30	254.52	10,775.0	-314.1	-1,134.1	1,176.8	0.00	0.00	0.00
Middle Morrow Lm									
10,900.0	11.30	254.52	10,785.3	-314.6	-1,136.1	1,178.9	0.00	0.00	0.00
11,000.0	11.30	254.52	10,883.3	-319.8	-1,155.0	1,198.5	0.00	0.00	0.00
11,100.0	11.30	254.52	10,981.4	-325.1	-1,173.9	1,218.0	0.00	0.00	0.00
11,129.2	11.30	254.52	11,010.0	-326.6	-1,179.4	1,223.8	0.00	0.00	0.00
Lower Morrow									

Quantum Planning Report

Database: EDM 2003.16 Single User Db
Company: Devon Energy
Project: Eddy County (NM83E)
Site: Sec 6-T22S-R26E
Well: Rifleman 6-3
Wellbore: Wellbore #1
Design: 03-31-08

Local Co-ordinate Reference: Well Rifleman 6-3
TVD Reference: WELL @ 0.0ft (Original Well Elev)
MD Reference: WELL @ 0.0ft (Original Well Elev)
North Reference: True
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 (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
11,200.0	11.30	254.52	11,079.4	-330.3	-1,192.7	1,237.6	0.00	0.00	0.00
11,256.7	11.30	254.52	11,135.0	-333.2	-1,203.4	1,248.7	0.00	0.00	0.00
Barnett Shale									
11,300.0	11.30	254.52	11,177.5	-335.5	-1,211.6	1,257.2	0.00	0.00	0.00
11,400.0	11.30	254.52	11,275.6	-340.7	-1,230.5	1,276.8	0.00	0.00	0.00
11,500.0	11.30	254.52	11,373.6	-346.0	-1,249.4	1,296.4	0.00	0.00	0.00
11,562.6	11.30	254.52	11,435.0	-349.2	-1,261.2	1,308.7	0.00	0.00	0.00
TD @ 11562.6'									

Targets

Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Rifleman 6-3 Target #	- plan misses by 2.4 ft at 8340 1ft MD (8275.0 TVD, -180.8 N, -652.9 E)	0.00	0.00	8,275.0	-178.4	-653.3	518,952.48	541,003.24	32° 25' 36.000 N	104° 20' 3.900 W
- Point										
Rifleman 6 Fed Com #	- plan hits target	0.00	0.00	8,260.0	-180.0	-650.0	518,950.89	541,006.56	32° 25' 35.984 N	104° 20' 3.861 W
- Point										

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
9,793.3	9,700.0	Strawn Pay		0.00	
6,417.9	6,390.0	2nd Bone Springs Ss		0.00	
11,129.2	11,010.0	Lower Morrow		0.00	
4,610.0	4,610.0	Bone Springs Lm		0.00	
2,200.0	2,200.0	Delaware Mtn Gp		0.00	
500.0	500.0	Capitan		0.00	
11,256.7	11,135.0	Barnett Shale		0.00	
5,999.8	5,980.0	2nd Bone Springs Lm		0.00	
8,844.9	8,770.0	Lower Wolfcamp		0.00	
9,650.5	9,560.0	Canyon Pay		0.00	
7,896.6	7,840.0	3rd Bone Springs Ss		0.00	
10,313.4	10,210.0	Akota Pay		0.00	
5,785.7	5,770.0	1st Bone Springs Lm		0.00	
4,370.0	4,370.0	Lower Brushy Canyon		0.00	
6,744.2	6,710.0	3rd Bone Springs Lm		0.00	
9,283.4	9,200.0	Cisco-Canyon		0.00	
10,889.5	10,775.0	Middle Morrow Lm		0.00	
9,778.0	9,685.0	Strawn		0.00	
10,124.7	10,025.0	Akota		0.00	
8,324.9	8,260.0	Wolfcamp Lmy Sh		0.00	
10,777.4	10,665.0	Upper Morrow Lm Pay		0.00	
10,252.2	10,150.0	Akota Pay		0.00	

Quantum

Planning Report

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well Rifleman 6-3
Company:	Devon Energy	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Project:	Eddy County (NM83E)	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 6-T22S-R26E	North Reference:	True
Well:	Rifleman 6-3	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	03-31-08		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,600.0	4,600.0	0.0	0.0	KOP - 2°/100' @ 254.52° AZI
5,164.8	5,161.1	-14.8	-53.5	Begin Hold to TD
11,562.6	11,435.0	-349.2	-1,261.2	TD @ 11562.6'

devon

Project Eddy County (NM83E)
Site Sec 6-T22S-R26E
Well Rifleman 6-3
Wellbore Wellbore #1
Design 03-31-08

WELL DETAILS Rifleman 6 Fed Com #3

+N/-S	+E/-W	Northing	Easting	Ground Level	0 0	Latitude	Longitude	Slot
0 0	0 0	519130 89	541656 56	32° 25' 37 765 N	104° 19' 56 277 W			

QUANTUM
DRILLING MOTORS
& DIRECTIONAL SERVICES

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Rifleman 6 Fed Com #3 Target #1	8260 0	-180 0	-650 0	518950 89	541006 56	32° 25' 35 984 N	104° 20' 3 861 W	Point



Azimuths to True North
Total Correction 8 40°

Magnetic Field
Strength 49072 SsnT
Dip Angle 60 34°
Date 2007-12-12
Model BGGM2006

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
500 0	500 0	Capitan
2200 0	2200 0	Delaware Mtn Gp
4370 0	4370 0	Lower Brushy Canyon
4610 0	4610 0	Bone Springs Lm
5770 0	5785 7	1st Bone Springs Lm
5980 0	5999 8	2nd Bone Springs Lm
6390 0	6417 9	2nd Bone Springs Ss
6710 0	6744 2	3rd Bone Springs Lm
7840 0	7896 6	3rd Bone Springs Ss
8260 0	8324 9	Wolfcamp Lmy Sh
8770 0	8844 9	Lower Wolfcamp
9200 0	9283 4	Cisco-Canyon
9560 0	9650 5	Canyon Pay
9685 0	9778 0	Strawn
9700 0	9793 3	Strawn Pay
10025 0	10124 7	Akota
10150 0	10252 2	Akota Pay
10210 0	10313 4	Akota Pay
10685 0	10777 4	Upper Morrow Lm Pay
10775 0	10889 5	Middle Morrow Lm
11010 0	11129 2	Lower Morrow
11135 0	11256 7	Barnett Shale

ANNOTATIONS

TVD	MD	Annotation
4600 0	4600 0	KOP - 2°/100' @ 254 52° AZI
5161 1	5164 8	Begin Hold to TD
11435 0	11562 6	TD @ 11562 6'

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0 0	0 00	0 00	0 0	0 0	0 0	0 00	0 00	0 0	
2	4600 0	0 00	0 00	4600 0	0 0	0 0	0 00	0 00	0 0	
3	5164 8	11 30	254 52	5161 1	-14 8	-53 5	2 00	254 52	55 5	
4	8324 9	11 30	254 52	8260 0	-180 0	-650 0	0 00	0 00	674 5	
5	11562 6	11 30	254 52	11435 0	-349 2	-1261 2	0 00	0 00	1308 7	

