

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

RECEIVED**OCT 17 2007**Bureau of Land Management
Farmington Field Office1. Type of Well
GAS

2. Name of Operator

BURLINGTON

RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Sec., T--N, R--W, NMPM

Unit K (NESW) 1685' FSL & 1505' FWL, Sec. 29, T30N, R9W NMPM

Unit L (NWSW) 1965' FSL & 700' FWL, Sec. 29, T30N, R9W NMPM

5. Lease Number
USA SF -077833-A6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Mansfield 11N

9. API Well No.

30-045-34321

10. Field and Pool

Blanco Mesa Verde/Basin Dakota

11. County and State
San Juan., NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment

Type of Action

☐ Abandonment☐ Recompletion☐ Plugging☐ Casing Repair☐ Altering Casing☒ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut off☐ Conversion to Injection☐ Other -

RCVD OCT 22 '07

OIL CONS. DIV.

13. Describe Proposed or Completed Operations

DIST. 3

ConocoPhillips is requesting the following change on the well design:

We would like to set the intermediate casing at 3707'. APD was approved for 3275'. We would like to lengthen this section, which reduces build and drop angles in directional holes, which in turn reduces torque when drilling the production hole. This will help us keep from getting the drill string stuck and hopefully prevent us from having to mud up the production hole. We will adjust cement program as needed

Please see attached drilling prog and change in Directional Drill Plan.

14. I hereby certify that the foregoing is true and correct.

Signed Tracey N. MonroeTracey N. Monroe Title Regulatory Technician Date 10/17/07

(This space for Federal or State Office use)

APPROVED BY Troy L. SalyersTitle Petroleum EngineerDate 10/18/2007

CONDITION OF APPROVAL, if any:

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

NMOCDHOLD C104 FOR directional survey and
as drilled C-102 form

ConocoPhillips

Monty's Site for directional MV/DK wells

Mansfield #11N

Mansfield #11N

Plan: Mansfield #11N

Standard Planning Report

16 October, 2007

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Mansfield #11N
Company:	ConocoPhillips	TVD Reference:	WELL @ 6042.0ft (Original Well Elev)
Project:		MD Reference:	WELL @ 6042.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	North Reference:	True
Well:	Mansfield #11N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Mansfield #11N		
Design:	Mansfield #11N		

Project:			
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site:	Monty's Site for directional MV/DK wells		
Site Position:		Northing:	m
From:	None	Easting:	m
Position Uncertainty:	0.0 ft	Slot Radius:	in
		Latitude:	
		Longitude:	
		Grid Convergence:	0.00 d

Well	Mansfield #11N				
Well Position	+N/-S	0.0 ft	Northing:	0.00 m	Latitude:
	+E/-W	0.0 ft	Easting:	0.00 m	Longitude:
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,027.0 ft

Wellbore	Mansfield #11N				
Magnetics	Model Name	Sample Date	Declination (d)	Dip Angle (d)	Field Strength (nT)
	BGGM2007	5/10/2007	-6.45	-28.84	31,534

Design:	Mansfield #1.1N.			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(d)
	0 0	0.0	0 0	289.18

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(d)	(d)	(ft)	(ft)	(ft)	(d/100ft)	(d/100ft)	(d/100ft)	(d)	
0.0	0.00	289.18	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
450.0	0.00	289.18	450.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,520.4	21.41	289.18	1,495.6	64.9	-186.7	2.00	2.00	0.00	289.18	
2,772.5	21.41	289.18	2,661.4	215.1	-618.3	0.00	0.00	0.00	0.00	
3,842.8	0.00	289.18	3,707.0	280.0	-805.0	2.00	-2.00	0.00	180.00	Mansfield #11N - ICP
7,361.8	0.00	289.18	7,226.0	280.0	-805.0	0.00	0.00	0.00	289.18	Mansfield #11N - PCF

ConocoPhillips or its affiliates

Planning Report

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Project:		MD Reference:	WELL @ 6042.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	North Reference:	True
Well:	Mansfield #11N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Mansfield #11N		
Design:	Mansfield #11N		

Planned Survey										
Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (d/100ft)	Build Rate (d/100ft)	Turn Rate (d/100ft)	
3,600.0	4.86	289.18	3,464.4	276.6	-795.3	842.0	2.00	-2.00	0.00	
3,700.0	2.86	289.18	3,564.2	278.8	-801.6	848.7	2.00	-2.00	0.00	
3,792.8	1.00	289.18	3,657.0	279.9	-804.6	851.9	2.00	-2.00	0.00	
Chacra										
3,800.0	0.86	289.18	3,664.2	279.9	-804.7	852.0	2.00	-2.00	0.00	
3,842.8	0.00	289.18	3,707.0	280.0	-805.0	852.3	2.00	-2.00	0.00	
7"- Mansfield #11N - ICP										
3,900.0	0.00	289.18	3,764.2	280.0	-805.0	852.3	0.00	0.00	0.00	
4,000.0	0.00	289.18	3,864.2	280.0	-805.0	852.3	0.00	0.00	0.00	
4,100.0	0.00	289.18	3,964.2	280.0	-805.0	852.3	0.00	0.00	0.00	
4,200.0	0.00	289.18	4,064.2	280.0	-805.0	852.3	0.00	0.00	0.00	
4,300.0	0.00	289.18	4,164.2	280.0	-805.0	852.3	0.00	0.00	0.00	
4,400.0	0.00	289.18	4,264.2	280.0	-805.0	852.3	0.00	0.00	0.00	
4,413.8	0.00	289.18	4,278.0	280.0	-805.0	852.3	0.00	0.00	0.00	
Mass. Cliffhouse										
4,500.0	0.00	289.18	4,364.2	280.0	-805.0	852.3	0.00	0.00	0.00	
4,569.8	0.00	289.18	4,434.0	280.0	-805.0	852.3	0.00	0.00	0.00	
Menefee										
4,600.0	0.00	289.18	4,464.2	280.0	-805.0	852.3	0.00	0.00	0.00	
4,700.0	0.00	289.18	4,564.2	280.0	-805.0	852.3	0.00	0.00	0.00	
4,800.0	0.00	289.18	4,664.2	280.0	-805.0	852.3	0.00	0.00	0.00	
4,900.0	0.00	289.18	4,764.2	280.0	-805.0	852.3	0.00	0.00	0.00	
5,000.0	0.00	289.18	4,864.2	280.0	-805.0	852.3	0.00	0.00	0.00	
5,034.8	0.00	289.18	4,899.0	280.0	-805.0	852.3	0.00	0.00	0.00	
Mass. Pt. Lookout										
5,100.0	0.00	289.18	4,964.2	280.0	-805.0	852.3	0.00	0.00	0.00	
5,200.0	0.00	289.18	5,064.2	280.0	-805.0	852.3	0.00	0.00	0.00	
5,300.0	0.00	289.18	5,164.2	280.0	-805.0	852.3	0.00	0.00	0.00	
5,371.8	0.00	289.18	5,236.0	280.0	-805.0	852.3	0.00	0.00	0.00	
Mancos										
5,400.0	0.00	289.18	5,264.2	280.0	-805.0	852.3	0.00	0.00	0.00	
5,500.0	0.00	289.18	5,364.2	280.0	-805.0	852.3	0.00	0.00	0.00	
5,600.0	0.00	289.18	5,464.2	280.0	-805.0	852.3	0.00	0.00	0.00	
5,700.0	0.00	289.18	5,564.2	280.0	-805.0	852.3	0.00	0.00	0.00	
5,800.0	0.00	289.18	5,664.2	280.0	-805.0	852.3	0.00	0.00	0.00	
5,900.0	0.00	289.18	5,764.2	280.0	-805.0	852.3	0.00	0.00	0.00	
6,000.0	0.00	289.18	5,864.2	280.0	-805.0	852.3	0.00	0.00	0.00	
6,100.0	0.00	289.18	5,964.2	280.0	-805.0	852.3	0.00	0.00	0.00	
6,200.0	0.00	289.18	6,064.2	280.0	-805.0	852.3	0.00	0.00	0.00	
6,300.0	0.00	289.18	6,164.2	280.0	-805.0	852.3	0.00	0.00	0.00	
6,309.8	0.00	289.18	6,174.0	280.0	-805.0	852.3	0.00	0.00	0.00	
Upper Gallup										
6,400.0	0.00	289.18	6,264.2	280.0	-805.0	852.3	0.00	0.00	0.00	
6,500.0	0.00	289.18	6,364.2	280.0	-805.0	852.3	0.00	0.00	0.00	
6,600.0	0.00	289.18	6,464.2	280.0	-805.0	852.3	0.00	0.00	0.00	
6,700.0	0.00	289.18	6,564.2	280.0	-805.0	852.3	0.00	0.00	0.00	
6,800.0	0.00	289.18	6,664.2	280.0	-805.0	852.3	0.00	0.00	0.00	
6,900.0	0.00	289.18	6,764.2	280.0	-805.0	852.3	0.00	0.00	0.00	
7,000.0	0.00	289.18	6,864.2	280.0	-805.0	852.3	0.00	0.00	0.00	
7,049.8	0.00	289.18	6,914.0	280.0	-805.0	852.3	0.00	0.00	0.00	
Greenhorn										
7,100.0	0.00	289.18	6,964.2	280.0	-805.0	852.3	0.00	0.00	0.00	

ConocoPhillips or its affiliates

Planning Report

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Project:		MD Reference:	WELL @ 6042.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	North Reference:	True
Well:	Mansfield #11N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Mansfield #11N		
Design:	Mansfield #11N		

Planned Survey										
Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (d/100ft)	Build Rate (d/100ft)	Turn Rate (d/100ft)	
0.0	0.00	289.18	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	289.18	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	289.18	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	289.18	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
320.0	0.00	289.18	320.0	0.0	0.0	0.0	0.00	0.00	0.00	
9.5/8"										
400.0	0.00	289.18	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
450.0	0.00	289.18	450.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	1.00	289.18	500.0	0.1	-0.4	0.4	2.00	2.00	0.00	
600.0	3.00	289.18	599.9	1.3	-3.7	3.9	2.00	2.00	0.00	
700.0	5.00	289.18	699.7	3.6	-10.3	10.9	2.00	2.00	0.00	
800.0	7.00	289.18	799.1	7.0	-20.2	21.4	2.00	2.00	0.00	
900.0	9.00	289.18	898.2	11.6	-33.3	35.3	2.00	2.00	0.00	
1,000.0	11.00	289.18	996.6	17.3	-49.7	52.6	2.00	2.00	0.00	
1,100.0	13.00	289.18	1,094.4	24.1	-69.3	73.4	2.00	2.00	0.00	
1,200.0	15.00	289.18	1,191.5	32.1	-92.2	97.6	2.00	2.00	0.00	
1,300.0	17.00	289.18	1,287.6	41.1	-118.2	125.2	2.00	2.00	0.00	
1,400.0	19.00	289.18	1,382.7	51.3	-147.4	156.1	2.00	2.00	0.00	
1,500.0	21.00	289.18	1,476.6	62.5	-179.7	190.3	2.00	2.00	0.00	
1,520.4	21.41	289.18	1,495.6	64.9	-186.7	197.6	2.00	2.00	0.00	
1,524.0	21.41	289.18	1,499.0	65.4	-187.9	199.0	0.00	0.00	0.00	
Ojo Alamo										
1,583.1	21.41	289.18	1,554.0	72.4	-208.3	220.5	0.00	0.00	0.00	
Kirtland										
1,600.0	21.41	289.18	1,569.8	74.5	-214.1	226.7	0.00	0.00	0.00	
1,700.0	21.41	289.18	1,662.9	86.5	-248.6	263.2	0.00	0.00	0.00	
1,800.0	21.41	289.18	1,756.0	98.5	-283.1	299.7	0.00	0.00	0.00	
1,900.0	21.41	289.18	1,849.1	110.5	-317.5	336.2	0.00	0.00	0.00	
2,000.0	21.41	289.18	1,942.2	122.4	-352.0	372.7	0.00	0.00	0.00	
2,100.0	21.41	289.18	2,035.3	134.4	-386.5	409.2	0.00	0.00	0.00	
2,200.0	21.41	289.18	2,128.4	146.4	-421.0	445.7	0.00	0.00	0.00	
2,300.0	21.41	289.18	2,221.5	158.4	-455.4	482.2	0.00	0.00	0.00	
2,400.0	21.41	289.18	2,314.6	170.4	-489.9	518.7	0.00	0.00	0.00	
2,447.7	21.41	289.18	2,359.0	176.1	-506.4	536.1	0.00	0.00	0.00	
Fruitland										
2,500.0	21.41	289.18	2,407.7	182.4	-524.4	555.2	0.00	0.00	0.00	
2,600.0	21.41	289.18	2,500.8	194.4	-558.9	591.7	0.00	0.00	0.00	
2,700.0	21.41	289.18	2,593.9	206.4	-593.3	628.2	0.00	0.00	0.00	
2,769.9	21.41	289.18	2,659.0	214.8	-617.5	653.7	0.00	0.00	0.00	
Pictured Cliffs										
2,772.5	21.41	289.18	2,661.4	215.1	-618.3	654.7	0.00	0.00	0.00	
2,800.0	20.86	289.18	2,687.0	218.3	-627.7	664.6	2.00	-2.00	0.00	
2,900.0	18.86	289.18	2,781.1	229.5	-659.8	698.5	2.00	-2.00	0.00	
2,976.7	17.32	289.18	2,854.0	237.3	-682.3	722.4	2.00	-2.00	0.00	
Lewis										
3,000.0	16.86	289.18	2,876.3	239.6	-688.7	729.2	2.00	-2.00	0.00	
3,100.0	14.86	289.18	2,972.5	248.5	-714.5	756.5	2.00	-2.00	0.00	
3,200.0	12.86	289.18	3,069.5	256.4	-737.2	780.5	2.00	-2.00	0.00	
3,300.0	10.86	289.18	3,167.4	263.2	-756.6	801.0	2.00	-2.00	0.00	
3,400.0	8.86	289.18	3,265.9	268.8	-772.7	818.1	2.00	-2.00	0.00	
3,500.0	6.86	289.18	3,365.0	273.3	-785.6	831.8	2.00	-2.00	0.00	
3,547.3	5.91	289.18	3,412.0	275.0	-790.6	837.1	2.00	-2.00	0.00	
Huerf. Bent										

ConocoPhillips or its affiliates

Planning Report

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Project:		MD Reference:	WELL @ 6042.0ft (Original Well Elev)
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Well:	Mansfield #11N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Mansfield #11N		
Design:	Mansfield #11N		

Planned Survey

Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (d/100ft)	Build Rate (d/100ft)	Turn Rate (d/100ft)
7,101.8	0.00	289.18	6,966.0	280.0	-805.0	852.3	0.00	0.00	0.00
Graneros									
7,149.8	0.00	289.18	7,014.0	280.0	-805.0	852.3	0.00	0.00	0.00
Two Wells									
7,200.0	0.00	289.18	7,064.2	280.0	-805.0	852.3	0.00	0.00	0.00
7,245.8	0.00	289.18	7,110.0	280.0	-805.0	852.3	0.00	0.00	0.00
Paguete									
7,291.8	0.00	289.18	7,156.0	280.0	-805.0	852.3	0.00	0.00	0.00
Cubero									
7,300.0	0.00	289.18	7,164.2	280.0	-805.0	852.3	0.00	0.00	0.00
7,361.7	0.00	289.18	7,225.9	280.0	-805.0	852.3	0.00	0.00	0.00
4 1/2"									
7,361.8	0.00	289.18	7,226.0	280.0	-805.0	852.3	0.00	0.00	0.00
Encinal - Mansfield #11N - PCP									

Targets

Target Name	Dip Angle (d)	Dip Dir (d)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
hit/miss target									
Shape									
Mansfield #11N - ICP	0.00	0.00	3,707.0	280.0	-805.0	88.87	-244.16	30° 59' 27.283" N	109° 25' 53.342" W
- plan hits target									
- Point									
Mansfield #11N - PCP	0.00	0.00	7,226.0	280.0	-805.0	88.87	-244.16	30° 59' 27.283" N	109° 25' 53.342" W
- plan hits target									
- Point									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
320.0	320.0	9 5/8"	9.625	12.250
3,842.8	3,707.0	7"	7.000	8.750
7,361.7	7,225.9	4 1/2"	4.500	6.250

ConocoPhillips or its affiliates

Planning Report

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Project:		MD Reference:	WELL @ 6042 0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	North Reference:	True
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Wellbore:	Mansfield #11N		
Design:	Mansfield #11N		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)	
1,524.0	1,499.0	Ojo Alamo		0 00		
1,583.1	1,554.0	Kirtland		0 00		
2,447.7	2,359.0	Fruitland		0 00		
2,769.9	2,659.0	Pictured Cliffs		0.00		
2,976.7	2,854.0	Lewis		0.00		
3,547.3	3,412.0	Huerf. Bent		0.00		
3,792.8	3,657.0	Chacra		0.00		
4,413.8	4,278.0	Mass. Cliffhouse		0 00		
4,569.8	4,434.0	Menefee		0.00		
5,034.8	4,899.0	Mass. Pt. Lookout		0.00		
5,371.8	5,236.0	Mancos		0.00		
6,309.8	6,174.0	Upper Gallup		0.00		
7,049.8	6,914.0	Greenhorn		0 00		
7,101.8	6,966.0	Graneros		0.00		
7,149.8	7,014.0	Two Wells		0.00		
7,245.8	7,110.0	Paguate		0.00		
7,291.8	7,156.0	Cubero		0 00		
7,361.8	7,226.0	Encinal		0 00		

BURLINGTON RESOURCES

Mansfield 11N

T - 30 N
R - 9 W
Sec 29

Objective: MV/DK New Drill
Footages: 1685' FSL, 1505' FWL

Rig: AWS #730
GL: 6028'
KB: 6043'

BLM Phone #
505-599-8907
OCD Phone #
505-334-6178

API #
30-045-34321

APD/BLM:
6/6/2007

Network #
10159438 (DK)
10159577 (MV)

AFE #
WAN ZA2 5348 (DK)
WAN ZA2 5403 (MV)

Lease #
NMSF-077833-A

Like-Kind
125 \$/FT

(248) Cost
\$983,314

APD TMD:
7362'

San Juan Division - Drilling Program

In case of Major Emergency Call 911
Give the following information to Operator:

Well Name: Mansfield 11N
County: San Juan
State: NM

Latitude (NAD27): 36 degrees, 46.8152 minutes
Latitude (NAD83): 36.780260 degrees

Longitude(NAD 27): 107 degrees, 48.4064 minutes
Longitude(NAD83): 107.807390 degrees

From intersection of US Hwy 550 & State Hwy 64 in Bloomfield. Travel easterly on Hwy 64 for 9.4 miles to CR #4599, go left (northwesterly) on CR #4599 for 2.3 miles to fork in road, go left exiting CR #4599 for 1.3 miles to 4 way intersection, go left (westerly) @ four-way intersection for 0.2 miles to fork in road, go right (northwesterly) for 0.9 miles to staked location which overlaps and existing location.

Environmental, Health & Safety

"Opportunities are usually disguised as hard work, so most people don't recognize them." Ann Landers "Nothing is particularly hard if you divide it into small jobs." Henry Ford

	TRIR*	FAT	Restrict'd Duty	OSHA Rec	1st Aid
Goal	1	0	0	0	0
Actual (9/11/07)	2.95	1	9	22	95

* TRIR - Total Recordable Incident Rate per 200,000 man-hours.

Environmental Goals:
- Zero Spills on Location
- Remove Trash from Roads and Locations

TVD	TMD	Geology	Hydraulics	Drig Fluids	Cement	Materials
0'	0'	San Jose	12 1/4" Retip	Spud Mud	Type III cement with 3% CaCl2 and 1/4 pps celloflake	1 Cameron SSDC wellhead
320'	320'	SCP			250 sks 319 2 cu ft 152 ppg 1 28 cu ft/sk 5 77 gal per sk 200%	1 Wellhead fuzz cap 320 feet 9-5/8" 32 3# H-40 STC
NA	NA	Nacimiento	8-3/4" HCM5082 6-12" 9-15K WOB 450 GPM 65 RPM	Drill out from under surface w/ Clean Faze (Vis 33-351 WFL 5-9.7 ppg, WFL of 6-8 cu/30 min). Sweep hole with gel/foam as needed. Don't hesitate to mud hole up.	1-Stage Intermediate Cement Procedure Preflush: 10 bbls FW, 10 bbls MF, 10 bbls FW Scavenger Premium Lite w/ 3% CaCl, 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS 20 sks 11 ppg 17.89 gal/sk 56.0 cu.ft 3.02 cu ft/sk	1 9-5/8" sawtooth guide shoe 3 Bow Type Centralizers 1 Rubber Plug 1/displacement
1499'	1524'	Ojo Alamo				Intermediate String 1 7" Float Shoe (Gemoco) 40 feet Shoe Joint 7" 23.0# L-80 LT&C 1 7" Float Collar (Gemoco) 3803 feet 7" 23.0# L-80 LT&C
1554'	1583'	Kirtland				
2359'	2448'	Fruitland	Drill out from under surface with fractional tools			30" 7" x 8-3/4" Tandem Rise type every 3rd ft from shoe to base of surface casing
2659'	2770'	Pictured Cliffs				Totals 3993 feet 7" 23.0# L-80 LT&C w/ 150' extra 30" 7" x 8-3/4" Tandem Rise type centralizers
2854'	2977'	Lewis	6-3/4" 7-8 lobes 5.0 sig 0.28 rev/gal stick Hunting motor			Production String 1 4-1/2" Float Shoe (Gemoco) 1 4-1/2" Float Collar w/ insert and latch in plug 410 feet 4-1/2" 11 6# L-80 LT&C 10 feet 4-1/2" 11 6# L-80 LT&C marker jt @ 150' above the Graneros 3395 feet 4-1/2" 11 6# L-80 LT&C @ the Huerfano Bentonite 10 feet 4-1/2" 11 6# L-80 LT&C marker jt 3537 feet 4-1/2" 11 6# L-80 LT&C to surface 20 4-1/2" x 6-1/4" bowspring centralizers, 1 on shoe jt, then 1 every 4th jt 1/4 bottom to above Cliffhouse & 1 on jt below 7" shoe
3412'	3547'	Huerfano Bentonite				Totals 7512 feet 4-1/2" 11 6# L-80 LT&C w/ 150' extra 20 4-1/2" x 6-1/4" bow type If mud drilled, contact office for new TD.
3657'	3793'	Chacra				Have mudloggers on hole from 6950' TMD to TD. Mudloggers will be Softrock (970-247-8868)
3707'	3843'	ICP				No open hole logs.
4278'	4414'	Massive Cliff House				
4434'	4570'	Menefee				
4899'	5035'	Point Lookout				
5236'	5372'	Mancos	New Diamond Air 6-1/4" Bit Marquis CV462 on Halco Hammer	Air/Nitrogen 1800 cfm 400 - 500 psi		
6174'	6310'	Gallup				
6914'	7050'	Greenhorn	2-4 K WOB 30-40 RPM	Run 1-3 #/ft lube beads for friction if necessary		
6966'	7102'	Graneros				
7014'	7150'	Two Wells	Slow ROP before drilling into the top of Greenhorn			
7110'	7246'	Paguate	Reduce WOB to 2,000 & RPM to 25	Oxygen can MUST be 8% or less while drilling prod hole section		
7156'	7292'	Cubero				
7211'	7347'	Est Bottom of Perfs				
7226'	7362'	Encinal	If hole gets wet: Immediately start pulling drill string out of the hole & then contact the drilling superintendent.			
7226'	7362'	Total Depth				

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Offset Summary

Mansfield #11M (MV/DK, 2007, 1/2 mi. E): Preset surface. Drilled 1/236'-2,574' w/ 8-3/4" Hughes HX-09CJ, avg ROP=71 fph, max dev=1.75 deg, 335 gpm. Ran 5% LCM in mud prior running casing. Ran 7", 20#, J-55, ST&C to 2 799'. Cemented intermediate casing with 164 bbls in single stage with 110% excess, circ 61 bbls to surf. Drilled 1/2,810'-7,109' w/ 6-1/4" CV462, avg ROP=114 fph. Ran 4-1/2", 10 5#, J-55 ST&C on bottom and 11 6# LT&C on top. Cemented with 110 bbls w/ 40% excess TOC @ 1,100'.

Mansfield #1B (MV, 2001, 1/2 mi. N): 9-5/8" set @231', 16 bbls cmt to surf. No problems with surface. Drilled intermediate hole with a Hughes GT-09C and clean faze 1/231'-3,072' (69 fph), Max dev 1 deg. Added 20% LCM at 2,700', no losses. Cemented intermediate casing in single stage with 100% excess. Circulated 30 bbls to the reserve pit. Air drilled 6-1/4" production section w/ Smith H41R6R2 1/3072'-5301 (107 fph). Cemented 4-1/2" liner w/ 25% excess, circ 6 bbls cmt off liner.

Florance B #1B (MV, 2001, 1.5 mi. N): Set 9-5/8" surf @214'. 16 bbl cmt to surf. Drilled intermediate hole with a Hughes GT-09C and clean faze 1/214'-3225' (97 fph), max dev 1 deg. Pulled 20-40K lbs over 1/2,875'-2,630' on short trip, washed bridge @ 2,886' Cmt int csg in single stage w/ 110% excess, circ 35 bbls to surf. Air drilled 6-1/4" w/ Smith H41R6R2 1/3072'-5301 (105 fph). Cmt 4-1/2" liner w/ 40% excess, circ 14 bbls cmt off liner top.

Operational Notes

Directional Info

Plan Sections					
Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)	Build Rate (d/100ft)	Casing Point
0	0	0	0	0	0
450	0	0	450	0	0
1,520 40	21 41	289 18	1,495 60	2 0	0
2,772 50	21 41	289 18	2,661 40	0	0
3,842 80	0	0	3,707 00	-2 0	Inter Csg Point
7,361 80	0	0	7,226 00	0	Prod Csg Point

- Drill out surface cmt with directional equipment, drill to KOP of 450'
- A 6 1/2" E-Field MWD tool will be used
- Run an Hunting 6-3/4", 7.8, 0.28 rev/gal 5.0 stage motor without stabilizers
- If directional plan changes, recalculate position and drill to TVD. If deviation at int. TD exceeds 5° call office for further instruction.

- At 7" casing point, TOH with drilling assembly and TIH with insert bit, collar, 8-1/2" 3-pt. reamer

Target Info

- Bottom hole location is 1965' FSL and 700' FWL (Section 29)
- Target is 280' N and 805' W from surface stake
- BHL is 852.3' in azimuth of 289.18° from surface location.
- Target size is a 50' radius around the BHL. Do not cross hard lease line 660' from west line of Section 29.

Operational Info

- Run 6 jts of 6 1/4" spiral dc and 20 jts of 4 1/2" HeviWate pipe for intermediate hole (supplied by Weatherford).
- Run 10 DCs for air BHA; use 20 DCs if mud drilling necessary.
- Caliper everything that goes through the table
- Pump cement job no greater than 4 BPM.
- Install drilling head rotating rubber once BHA is burned
- There is a potential for shallow gas flow in the area (Neudecker 7S). Please be cautious.
- Well should take an estimated 11 days to drill
- Have Blooie line rigged up prior to drilling the Kirtland
- Estimated bottom of perfs @ 7346.8' TMD
- Call both regulatory agencies 24 hours in advance of BOP testing, spud, running csg, or cementing. Leave message if after hours

Prepared: 10/16/2007

Prepared: Russell Perkins - Drilling Engineer

Reviewed: Monty Myers - Drilling Engineer

Approved: Jim Fodor - Drilling Superintendent