

submitted in lieu of Form 3160-5
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
ConocoPhillips

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 L (NWSW) 1600' FSL & 885' FWL, Sec.5, T30N, R11W NMPM
Unit N (SESW) 815' FSL & 1685' FWL, Sec.5, T30N, R11W NMPM

5. Lease Number
SF-078138

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Rhoda Abrams 1M

9. API Well No.

30-045-34150

10. Field and Pool

Basin DK/Blanco Mesa Verde

11. County and State
San Juan Co., 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 Intermediate Depth Change

RCVD DEC 31 '07

OIL CONS. DIV.

13. Describe Proposed or Completed Operations

DIST. 3

ConocoPhillips requests to change the intermediate depth.

The directional plan has changed slightly resulting in a decrease of angle drop in the Chacra. We will return to vertical approx. 150' in the Menefee due to wet Cliffhouse. We are requesting to change the intermediate casing depth from the APD approval of 3957' TMD to 4303' to a new depth of 4303' TMD.

Directional plan is attached.

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

Signed Tracey N. Monroe

Tracey N. Monroe Title Regulatory Technician Date 12/19/07

(This space for Federal or State Office use)

APPROVED BY [Signature]

Title

Petr. Eng.

Date

12/28/07

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.

NMOCD

Company: Conoco Date: 12/19/2007 Time: 08:03:24 Page: 1
 Field: SAN JUAN BASIN Co-ordinate(NE) Reference: Well: Rhoda Abrams #1M; Grid North
 Site: SEC 5 Vertical (TVD) Reference: Rhoda Abrams #1M 5762.0
 Well: Rhoda Abrams #1M Section (VS) Reference: Well (0.00N,0.00E,134.23Azi)
 Wellpath: Rhoda Abrams #1M Plan: Plan #1

Field: SAN JUAN BASIN

Map System: US State Plane Coordinate System 1927
 Geo Datum: NAD27 (Clarke 1866)
 Sys Datum: Mean Sea Level

Map Zone: New Mexico, Western Zone
 Coordinate System: Well Centre
 Geomagnetic Model: igrf2005

Site: SEC 5
 T30N, R11W
 STOREY B LS

Site Position: Northing: ft Latitude:
 From: Lease Line Easting: ft Longitude:
 Position Uncertainty: 0.00 ft North Reference: Grid
 Ground Level: 0.00 ft Grid Convergence: -0.11 deg

Well: Rhoda Abrams #1M Slot Name:
 SURFACE IS 1600' FSL AND 885' FWL
 Well Position: +N-S 1600.00 ft Northing: 1459957.95 ft Latitude: 35 0 45.842 N
 +E-W 885.00 ft Easting: 444737.48 ft Longitude: 108 1 4.397 W
 Position Uncertainty: 0.00 ft

Wellpath: Rhoda Abrams #1M Drilled From: Surface
 TARGET IS 815' FSL AND 1685' FWL Tie-on Depth: 0.00 ft
 Current Datum: Rhoda Abrams #1M Height 5762.00 ft Above System Datum: Mean Sea Level
 Magnetic Data: 12/18/2007 Declination: 10.18 deg
 Field Strength: 50105 nT Mag Dip Angle: 61.98 deg
 Vertical Section: Depth From (TVD) +N-S +E-W Direction
 ft ft ft deg
 0.00 0.00 0.00 134.23

Plan: Plan #1 Date Composed: 12/18/2007
 Principal: Yes Version: 1
 Tied-to: From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	134.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
330.00	0.00	134.23	330.00	0.00	0.00	0.00	0.00	0.00	0.00	
1171.16	21.03	134.23	1152.41	-106.48	109.36	2.50	2.50	0.00	134.23	
3461.92	21.03	134.23	3290.59	-679.92	698.33	0.00	0.00	0.00	0.00	
4303.09	0.00	134.23	4113.00	-786.40	807.70	2.50	-2.50	0.00	180.00	R.A. #1 ICP
7031.09	0.00	134.23	6841.00	-786.40	807.70	0.00	0.00	0.00	134.23	R.A. #1 PCP

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	134.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	134.23	100.00	0.00	0.00	0.00	0.00	0.00	0.00	134.23
200.00	0.00	134.23	200.00	0.00	0.00	0.00	0.00	0.00	0.00	134.23
300.00	0.00	134.23	300.00	0.00	0.00	0.00	0.00	0.00	0.00	134.23
330.00	0.00	134.23	330.00	0.00	0.00	0.00	0.00	0.00	0.00	134.23

Section 2 : Start Build 2.50

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
400.00	1.75	134.23	399.99	-0.75	0.77	1.07	2.50	2.50	0.00	0.00
500.00	4.25	134.23	499.84	-4.40	4.52	6.30	2.50	2.50	0.00	0.00
600.00	6.75	134.23	599.38	-11.08	11.38	15.89	2.50	2.50	0.00	0.00
700.00	9.25	134.23	698.39	-20.79	21.35	29.80	2.50	2.50	0.00	0.00
800.00	11.75	134.23	796.71	-33.50	34.41	48.02	2.50	2.50	0.00	0.00
900.00	14.25	134.23	894.14	-49.19	50.53	70.52	2.50	2.50	0.00	0.00
1000.00	16.75	134.23	990.50	-67.83	69.67	97.24	2.50	2.50	0.00	0.00
1100.00	19.25	134.23	1085.60	-89.39	91.81	128.14	2.50	2.50	0.00	0.00

HATHAWAY BURNHAM

Planning Report

Company: Conoco Date: 12/19/2007 Time: 08:03:24 Page: 2
 Field: SAN JUAN BASIN Co-ordinate(NE) Reference: Well: Rhoda Abrams #1M, Grid North
 Site: SEC 5 Vertical (TVD) Reference: Rhoda Abrams #1M 5762.0
 Well: Rhoda Abrams #1M Section (VS) Reference: Well (0.00N,0.00E:134.23Azi)
 Wellpath: Rhoda Abrams #1M Plan: Plan #1

Section 2 : Start Build 2.50

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1171.16	21.03	134.23	1152.41	-106.48	109.36	152.64	2.50	2.50	0.00	0.00

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1200.00	21.03	134.23	1179.32	-113.70	116.78	162.99	0.00	0.00	0.00	0.00
1300.00	21.03	134.23	1272.66	-138.73	142.49	198.87	0.00	0.00	0.00	0.00
1400.00	21.03	134.23	1366.00	-163.76	168.20	234.76	0.00	0.00	0.00	0.00
1500.00	21.03	134.23	1459.34	-188.80	193.91	270.64	0.00	0.00	0.00	0.00
1600.00	21.03	134.23	1552.68	-213.83	219.62	306.52	0.00	0.00	0.00	0.00
1700.00	21.03	134.23	1646.02	-238.86	245.33	342.41	0.00	0.00	0.00	0.00
1800.00	21.03	134.23	1739.36	-263.90	271.04	378.29	0.00	0.00	0.00	0.00
1900.00	21.03	134.23	1832.70	-288.93	296.75	414.18	0.00	0.00	0.00	0.00
2000.00	21.03	134.23	1926.04	-313.96	322.46	450.06	0.00	0.00	0.00	0.00
2100.00	21.03	134.23	2019.38	-338.99	348.18	485.95	0.00	0.00	0.00	0.00
2200.00	21.03	134.23	2112.72	-364.03	373.89	521.83	0.00	0.00	0.00	0.00
2300.00	21.03	134.23	2206.06	-389.06	399.60	557.71	0.00	0.00	0.00	0.00
2400.00	21.03	134.23	2299.40	-414.09	425.31	593.60	0.00	0.00	0.00	0.00
2500.00	21.03	134.23	2392.74	-439.12	451.02	629.48	0.00	0.00	0.00	0.00
2600.00	21.03	134.23	2486.08	-464.16	476.73	665.37	0.00	0.00	0.00	0.00
2700.00	21.03	134.23	2579.42	-489.19	502.44	701.25	0.00	0.00	0.00	0.00
2800.00	21.03	134.23	2672.76	-514.22	528.15	737.13	0.00	0.00	0.00	0.00
2900.00	21.03	134.23	2766.10	-539.25	553.86	773.02	0.00	0.00	0.00	0.00
3000.00	21.03	134.23	2859.44	-564.29	579.57	808.90	0.00	0.00	0.00	0.00
3100.00	21.03	134.23	2952.78	-589.32	605.28	844.79	0.00	0.00	0.00	0.00
3200.00	21.03	134.23	3046.12	-614.35	630.99	880.67	0.00	0.00	0.00	0.00
3300.00	21.03	134.23	3139.46	-639.39	656.70	916.56	0.00	0.00	0.00	0.00
3400.00	21.03	134.23	3232.80	-664.42	682.41	952.44	0.00	0.00	0.00	0.00
3461.92	21.03	134.23	3290.59	-679.92	698.33	974.66	0.00	0.00	0.00	0.00

Section 4 : Start Drop -2.50

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
3500.00	20.08	134.23	3326.25	-689.24	707.91	988.03	2.50	-2.50	0.00	180.00
3600.00	17.58	134.23	3420.89	-711.76	731.03	1020.30	2.50	-2.50	0.00	180.00
3700.00	15.08	134.23	3516.85	-731.36	751.17	1048.41	2.50	-2.50	0.00	180.00
3800.00	12.58	134.23	3613.95	-748.04	768.30	1072.30	2.50	-2.50	0.00	180.00
3900.00	10.08	134.23	3711.99	-761.74	782.37	1091.94	2.50	-2.50	0.00	180.00
4000.00	7.58	134.23	3810.80	-772.44	793.36	1107.29	2.50	-2.50	0.00	180.00
4100.00	5.08	134.23	3910.18	-780.13	801.26	1118.31	2.50	-2.50	0.00	180.00
4200.00	2.58	134.23	4009.95	-784.78	806.04	1124.98	2.50	-2.50	0.00	180.00
4303.09	0.00	134.23	4113.00	-786.40	807.70	1127.30	2.50	-2.50	0.00	-180.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4400.00	0.00	134.23	4209.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
4500.00	0.00	134.23	4309.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
4600.00	0.00	134.23	4409.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
4700.00	0.00	134.23	4509.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
4800.00	0.00	134.23	4609.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
4900.00	0.00	134.23	4709.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
5000.00	0.00	134.23	4809.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
5100.00	0.00	134.23	4909.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
5200.00	0.00	134.23	5009.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
5300.00	0.00	134.23	5109.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
5400.00	0.00	134.23	5209.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
5500.00	0.00	134.23	5309.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
5600.00	0.00	134.23	5409.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
5700.00	0.00	134.23	5509.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
5800.00	0.00	134.23	5609.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23

Company: Conoco	Date: 12/19/2007	Time: 08:03:24	Page: 3
Field: SAN JUAN BASIN	Co-ordinate(NE) Reference: Well: Rhoda Abrams #1M; Grid North		
Site: SEC 5	Vertical (TVD) Reference: Rhoda Abrams #1M 5762.0		
Well: Rhoda Abrams #1M	Section (VS) Reference: Well (0.00N,0.00E,134.23Azi)		
Wellpath: Rhoda Abrams #1M	Plan: Plan #1		

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5900.00	0.00	134.23	5709.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
6000.00	0.00	134.23	5809.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
6100.00	0.00	134.23	5909.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
6200.00	0.00	134.23	6009.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
6300.00	0.00	134.23	6109.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
6400.00	0.00	134.23	6209.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
6500.00	0.00	134.23	6309.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
6600.00	0.00	134.23	6409.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
6700.00	0.00	134.23	6509.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
6800.00	0.00	134.23	6609.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
6900.00	0.00	134.23	6709.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
7000.00	0.00	134.23	6809.91	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23
7031.09	0.00	134.23	6841.00	-786.40	807.70	1127.30	0.00	0.00	0.00	134.23

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	134.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	134.23	100.00	0.00	0.00	0.00	0.00	0.00	0.00	EM-MWD
200.00	0.00	134.23	200.00	0.00	0.00	0.00	0.00	0.00	0.00	EM-MWD
300.00	0.00	134.23	300.00	0.00	0.00	0.00	0.00	0.00	0.00	EM-MWD
330.00	0.00	134.23	330.00	0.00	0.00	0.00	0.00	0.00	0.00	EM-MWD
400.00	1.75	134.23	399.99	-0.75	0.77	1.07	2.50	2.50	0.00	EM-MWD
500.00	4.25	134.23	499.84	-4.40	4.52	6.30	2.50	2.50	0.00	EM-MWD
600.00	6.75	134.23	599.38	-11.08	11.38	15.89	2.50	2.50	0.00	EM-MWD
700.00	9.25	134.23	698.39	-20.79	21.35	29.80	2.50	2.50	0.00	EM-MWD
800.00	11.75	134.23	796.71	-33.50	34.41	48.02	2.50	2.50	0.00	EM-MWD
900.00	14.25	134.23	894.14	-49.19	50.53	70.52	2.50	2.50	0.00	EM-MWD
1000.00	16.75	134.23	990.50	-67.83	69.67	97.24	2.50	2.50	0.00	EM-MWD
1100.00	19.25	134.23	1085.60	-89.39	91.81	128.14	2.50	2.50	0.00	EM-MWD
1171.16	21.03	134.23	1152.41	-106.48	109.36	152.64	2.50	2.50	0.00	EM-MWD
1200.00	21.03	134.23	1179.32	-113.70	116.78	162.99	0.00	0.00	0.00	EM-MWD
1300.00	21.03	134.23	1272.66	-138.73	142.49	198.87	0.00	0.00	0.00	EM-MWD
1400.00	21.03	134.23	1366.00	-163.76	168.20	234.76	0.00	0.00	0.00	EM-MWD
1500.00	21.03	134.23	1459.34	-188.80	193.91	270.64	0.00	0.00	0.00	EM-MWD
1600.00	21.03	134.23	1552.68	-213.83	219.62	306.52	0.00	0.00	0.00	EM-MWD
1700.00	21.03	134.23	1646.02	-238.86	245.33	342.41	0.00	0.00	0.00	EM-MWD
1800.00	21.03	134.23	1739.36	-263.90	271.04	378.29	0.00	0.00	0.00	EM-MWD
1900.00	21.03	134.23	1832.70	-288.93	296.75	414.18	0.00	0.00	0.00	EM-MWD
2000.00	21.03	134.23	1926.04	-313.96	322.46	450.06	0.00	0.00	0.00	EM-MWD
2100.00	21.03	134.23	2019.38	-338.99	348.18	485.95	0.00	0.00	0.00	EM-MWD
2200.00	21.03	134.23	2112.72	-364.03	373.89	521.83	0.00	0.00	0.00	EM-MWD
2300.00	21.03	134.23	2206.06	-389.06	399.60	557.71	0.00	0.00	0.00	EM-MWD
2400.00	21.03	134.23	2299.40	-414.09	425.31	593.60	0.00	0.00	0.00	EM-MWD
2500.00	21.03	134.23	2392.74	-439.12	451.02	629.48	0.00	0.00	0.00	EM-MWD
2600.00	21.03	134.23	2486.08	-464.16	476.73	665.37	0.00	0.00	0.00	EM-MWD
2700.00	21.03	134.23	2579.42	-489.19	502.44	701.25	0.00	0.00	0.00	EM-MWD
2800.00	21.03	134.23	2672.76	-514.22	528.15	737.13	0.00	0.00	0.00	EM-MWD
2900.00	21.03	134.23	2766.10	-539.25	553.86	773.02	0.00	0.00	0.00	EM-MWD
3000.00	21.03	134.23	2859.44	-564.29	579.57	808.90	0.00	0.00	0.00	EM-MWD
3100.00	21.03	134.23	2952.78	-589.32	605.28	844.79	0.00	0.00	0.00	EM-MWD
3200.00	21.03	134.23	3046.12	-614.35	630.99	880.67	0.00	0.00	0.00	EM-MWD
3300.00	21.03	134.23	3139.46	-639.39	656.70	916.56	0.00	0.00	0.00	EM-MWD
3400.00	21.03	134.23	3232.80	-664.42	682.41	952.44	0.00	0.00	0.00	EM-MWD
3461.92	21.03	134.23	3290.59	-679.92	698.33	974.66	0.00	0.00	0.00	EM-MWD
3500.00	20.08	134.23	3326.25	-689.24	707.91	988.03	2.50	-2.50	0.00	EM-MWD

HATHAWAY BURNHAM
Planning Report

Company:	Conoco	Date:	12/19/2007	Time:	08:03:24	Page:	4
Field:	SAN JUAN BASIN	Co-ordinate(NE) Reference:	Well: Rhoda Abrams #1M, Grid North				
Site:	SEC 5	Vertical (TVD) Reference:	Rhoda Abrams #1M 5762.0				
Well:	Rhoda Abrams #1M	Section (VS) Reference:	Well (0.00N,0.00E,134.23Azi)				
Wellpath:	Rhoda Abrams #1M	Plan:	Plan #1				

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3600.00	17.58	134.23	3420.89	-711.76	731.03	1020.30	2.50	-2.50	0.00	EM-MWD
3700.00	15.08	134.23	3516.85	-731.36	751.17	1048.41	2.50	-2.50	0.00	EM-MWD
3800.00	12.58	134.23	3613.95	-748.04	768.30	1072.30	2.50	-2.50	0.00	EM-MWD
3900.00	10.08	134.23	3711.99	-761.74	782.37	1091.94	2.50	-2.50	0.00	EM-MWD
4000.00	7.58	134.23	3810.80	-772.44	793.36	1107.29	2.50	-2.50	0.00	EM-MWD
4100.00	5.08	134.23	3910.18	-780.13	801.26	1118.31	2.50	-2.50	0.00	EM-MWD
4200.00	2.58	134.23	4009.95	-784.78	806.04	1124.98	2.50	-2.50	0.00	EM-MWD
4303.09	0.00	134.23	4113.00	-786.40	807.70	1127.30	2.50	-2.50	0.00	EM-MWD
4400.00	0.00	134.23	4209.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
4500.00	0.00	134.23	4309.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
4600.00	0.00	134.23	4409.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
4700.00	0.00	134.23	4509.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
4800.00	0.00	134.23	4609.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
4900.00	0.00	134.23	4709.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
5000.00	0.00	134.23	4809.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
5100.00	0.00	134.23	4909.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
5200.00	0.00	134.23	5009.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
5300.00	0.00	134.23	5109.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
5400.00	0.00	134.23	5209.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
5500.00	0.00	134.23	5309.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
5600.00	0.00	134.23	5409.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
5700.00	0.00	134.23	5509.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
5800.00	0.00	134.23	5609.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
5900.00	0.00	134.23	5709.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
6000.00	0.00	134.23	5809.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
6100.00	0.00	134.23	5909.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
6200.00	0.00	134.23	6009.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
6300.00	0.00	134.23	6109.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
6400.00	0.00	134.23	6209.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
6500.00	0.00	134.23	6309.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
6600.00	0.00	134.23	6409.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
6700.00	0.00	134.23	6509.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
6800.00	0.00	134.23	6609.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
6900.00	0.00	134.23	6709.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
7000.00	0.00	134.23	6809.91	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD
7031.09	0.00	134.23	6841.00	-786.40	807.70	1127.30	0.00	0.00	0.00	EM-MWD

T - 30 N
R - 11 W
Sec 5

Objective: MV/DK New Drill
Footages: 1600' FSL, 885' FWL

Rig: AWS #730
GL: 5747'
KB: 5762'

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

API #
30-045-34150
Network #
10201194

APD/BLM:
2/13/2007
AFE #
WAN CNV 7104

Lease #
SF-078138
Like-Kind
125 \$/FT
APD TMD:
7033'

(248) Cost
\$879,011
7033'

In case of Major Emergency Call 911

Give the following information to Operator:

Well Name: Rhoda Abrams #1M

Latitude (NAD27): 36 degrees, 50.30919 minutes

Longitude (NAD27): 108 degrees, 1.15714 minutes

From the intersection of Aztec Blvd. and Light Plant Road in Aztec, NM; Travel north on Light Plant Road 0.7 miles to Airport Road. Turn left on Airport Road and travel 0.4 miles to a dirt road on right. Turn right and travel 0.2 miles to the Rhoda Abrams #1M well pad.

County: San Juan

State: NM

Latitude (NAD83): 36.838490 degrees

Longitude(NAD83): 108.019910 degrees

TVD	TMD	Geology	Hydraulics	Drig Fluids	Cement	Materials
0'	0'	San Jose			Type III cement with 3% CaCl2 and 1/4 pps celloflake	1 Cameron SSDC wellhead 1 Wellhead fuzz cap
220'	220'	SCP	12 1/4" Retip	Spud Mud	180 sks 225.3 cu ft 15.2 ppg 1.28 cu ft/sk 5.77 gal per sk 200%	220 feet 9-5/8" 32.3# H-40 STC
NA	NA	Nacimiento	8 3/4" HCMFCZ 5-123 5-15K WOB 420 GPM 85 BPM	Drill cut from Under Surface w/ Clean Face (Use 33-35' AT 8.5-9.0 GPM) W/ 6-8 on 35' min. Sweep hole with 150/100 as needed. Don't hesitate to mud hole just	1-Stage Intermediate Cement Procedure Preflush: 10 bbls FW, 10 bbls MF, 10 bbls FW. Scavenger Premium Lite w/ 3% CaCl ₂ 0.25 pps Cello-Flake 5 pps LCM-1 0.4% FL-52 and 0.4% SMS. 20 sks 1.1 ppg 17.89 gal/sk 58.0 cu.ft 3.02 cu.ft/sk	1 9-5/8" sawtooth guide shoe 3 Bow Type Centralizers 1 Rubber Plug /displacement
710'	712'	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) 4263 feet 7" 23.0# L-80 LT&C 37-7" x 8-3/4" Tandem Rise type, 1 on the middle of the shoe jt and then one every 3rd jt to surface shoe and one inside the surface shoe
844'	848'	Kirtland				Totals 4453 feet 7" 23.0# L-80 LT&C w/ 150' extra 37-7" x 8-3/4" Tandem Rise type centralizers
1750'	1811'	Fruitland	Drill cut from under surface with directional tools			Production String 1 4-1/2" Float Shoe (Gemoco) 1 4-1/2" Float Collar w/ Insert and latch in plug 440 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 3528 feet 4-1/2" 11.6#, L-80 LT&C @ 1100' above the Cliff House 10 feet 4-1/2" 11.6#, L-80 LT&C marker jt 3045 feet 4-1/2" 11.6#, L-80 LT&C to surface 18 4-1/2" x 6-1/4" bowspring centralizers, 1 on shoe jt, then 1 every 4th jt /bottom to 1 on jt below 7" shoe
2188'	2281'	Pictured Cliffs				Totals 7183 feet 4-1/2" 11.6#, L-80 LT&C w/ 150' extra 18 4-1/2" x 6-1/4" bow type If mud drilled, contact office for new TD.
2295'	2395'	Lewis	8 3/4" x 8 slope 5.0 stage 0.28 rev/gal 5.0 slick Hunting motor			Use Best-O-Life Pipe Dope For Casing
3250'	3420'	Chacra		@ TD make wiper trip to drill collars		Have mudloggers on hole from 6600' TMD to TD. Mudloggers will be Softrock (970-247-8868)
3745'	3935'	Upper Cliff House				
3871'	4155'	Massive Cliff House				
3964'	4705'	Menefee				
4113'	4303'	ICP				
4514'	4705'	Point Lookout		GPM range 100-200 200-460 GPM		
4836'	5027'	Mancos	Used Diamond Air 6-1/4" Bit Marquis CV462 on Halco Hammer	Air/Nitrogen 1800 cfm 400 - 500 psi		
5756'	5947'	Gallup				
6500'	6691'	Greenhorn	2-4 K WOB 30-40 RPM	Run 1-3 #/ft lube beads for friction if necessary		
6552'	6743'	Graneros				
6609'	6800'	Two Wells	Slow ROP before drilling into the top of Greenhorn			
6680'	6871'	Paguate	Reduce WOB to 2,000 & RPM to 25	Oxygen conc. MUST be 8% or less while drilling prod hole section		
NA	NA	Cubero				
6721'	6912'	Lower Cubero				
7018'	7018'	Est. Bottom of Perfs	If hole gets wet: Immediately start pulling drill string out of the hole & then contact the drilling superintendent			No open hole logs.
6776'	6967'	Encinal				
6842'	7033'	Total Depth				

R:\Implementation Program\2007\01) Development\Z - COP Rhoda Abrams #1M[Rhoda Abrams 1M drrprog.xls]PROG

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 (12/14/07)	2.6	1	11	26	121

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

Environmental Goals:

- Zero Spills on Location
- Remove Trash from Roads and Locations

Offset Summary

Storey B LS #3 (MV, Parent Well, 1956): Rig drilled 15" surface to 180' Ran 10-3/4" casing to 173' and cemented with 150 sks. Drilled 1/180"-4.417" w/ 8-3/4" HTC OSC1-G bit. Took 12 bit runs, max deviation = 1-3/4", avg mud weight = 9.0 ppg. Ran 7", 23#, J-55 casing to 4,413' and cemented with 2 stages of 150 sks each. No mention of cmt returns. Air drilled 1/4,413' 4,678" w/ 6-1/4" HTC WTR, dusted to TD. Ran 5-1/2", 15.5#, J 55 casing as liner to 4,674', top at 4,296' and cemented with 100 sks. Top of cement at 4,296'.

Brington LS #3C (MV, 2007, 1/2 mi. NW): Rig drilled 12-1/4" surf to 273' Ran 9-5/8" 32.2#, H-40, STC casing to 273'. Pumped 42.5 bbls cmt, 20 bbls returned to surface, 200% excess. Drilled from 273'-2,686' with 8-3/4" Hughes GT-09C. Max deviation = 2", ran into tight spots during short trip. Tripped in hole to work tight spots, circulated on btm, then tripped out to run casing. Ran 7", 20#, J-55, STC to 2,680'. Pumped 131 bbls cmt, 70 bbls circulated to surface, 175% excess. Air drilled 1/2,686' 4,116' Hole got wet at 4,116', switched to mist and drilled to TD of 5,056'. While running 4-1/2" tagged fill @ 5,021', tried to circulate, but shoe was plugged, laid down casing. Ran in hole with tn cone bit and cleaned to TD. Re-ran 4-1/2", 10.5#, J-55, STC casing 5,049', ran into tight spots between 4,600' and 4 900'. Pumped 63 bbls cmt, 40% excess.

Brington LS #4M (MV/DK, 2007, 1 mi. W): Preset surface. Drilled from 258'-4,195' with 8-3/4" HC506ZX. Ran 7", 20#, J-55, STC to 4,143'. Pumped 277 bbls cmt, 88 bbls circulated to surface, 150% excess. Air drilled 1/4,195'-6 868' Ran 4-1/2", 11 6#, L-80 casing to 6.866'. Pumped 80 bbls cmt, 50% excess.

Operational Notes

Directional Info

Plan Sections					Build Rate (d/100ft)	Casing Point
Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)			
0	0	0	0	0	0	
330	0	0	330	0	0	
1,171.16	21.03	134.23	1,152.41	2.5		
3,461.92	21.03	134.23	3,290.59	0		
4,303.09	0	0	4,113.00	-2.5		Int. Csg Point
7,031.09	0	0	6,841.00	0		Prod. Csg Point

- Drill out surface cmt with directional equipment, drill to KOP of 330'
- 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 815' FSL and 1685' FWL (Section 5)
- Target is 786' S and 808' E from surface stake.
- BHL is **1,127.4' in azimuth of 134.23°** from surface location
- Target size is a 100' radius around the BHL

Operational Info

- Run 20 jts of 4 1/2" HeviWate pipe for intermediate hole (supplied by Weatherford).
- Run 6 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
- Reserve pits must be lined.
- Well should take an estimated 11 days to drill.
- **Have Bloolie line rigged up prior to drilling the Kirtland**
- **Estimated bottom of perfs @ 7018' TMD**
- Call both regulatory agencies 24 hours in advance of BOP testing, spud, running csg, or cementing. Leave message if after hours

Prepared: 12/19/2007

Prepared: Todd Dalessandro - Drilling Engineer

Reviewed: _____

Approved: Jim Fodor - Drilling Superintendent