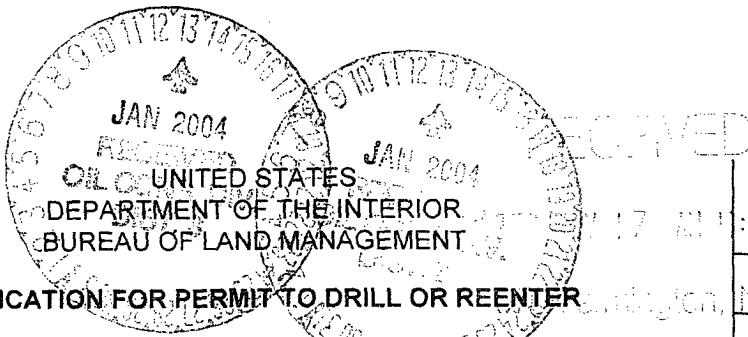




FORM APPROVED

OMB No. 1004-0136

Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Designation and Serial No.

SF-078481A

6. If Indian, Allottee or Tribe Name

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

33348

8. Lease Name and Well No.

GRAHAM #10 #6

9. API Well No.

3004532009

10. Field and Pool, or Exploratory

Blanco MV & Basin DK

11. Sec., T., R., M., or Blk. and Survey or Area

F Sec 10, T-27-N, R-08-W

12. County or Parish,

San Juan

13. State

New Mexico

17. Spacing Unit dedicated to this well

320 Acres W/2

1a. Type of Work ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone

2. Name of Operator

M&G Drilling Company Inc.

NM OGRID # 141852

3a. Address c/o Synergy Operating LLC

PO Box 5513, Farmington, NM 87499

3b. Phone Number

(505) 325-5449

4. Location of Well (Footage, Sec, T. R., M., or Survey Description)

At surface: Unit Letter F, 2375' FWL, 1780' FNL

At proposed prod. Zone: Unit Letter E, 1780' FNL, 675' FWL

14. Distance in miles and direction from nearest town or post office*

13 Miles South of Blanco

15. Distance from proposed*

location to nearest 1780' Feet from North Line

property or lease line, ft.

(Also to nearest drlg. Unit line, if any)

16. No of Acres in lease

320 Acres

18. Distance from proposed*

location to nearest 1780' Feet from North Line

property or lease line, ft.

19. Proposed Depth

6882' MDTD

6656' TVDTD

20. BLM/BIA Bond No. on file

21. Elevation (Show whether DF, KDB, RT, GL, etc.)

5862' Ground Level

22. Approximate date work will start*

3/1/2004

23. Estimated duration

30 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer

Size of Hole	Grade, Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	9-5/8" K-55	36 #	280'	126 Sxs, 175 ft3 - 100% Excess
8-3/4"	7" K-55	20#	2500'	268 Sxs, 526 ft3 - 40% Excess
6-1/4"	4-1/2" N-80	11.6#	6882'	242 Sxs, 588 ft3 - 25% Excess

SEE ATTACHED APD INFORMATION

Latitude: 36 Deg, 35 Min, 49 Sec N
Longitude: 107 Deg, 40 Min, 15 Sec W

25. Signature

Mike Pippin

Name (Printed/Typed)

Mike Pippin

Date

11/12/03

Title Petroleum Engineer

Approved by (Signature)

David J. Markiewicz

Name (Printed/Typed)

Date

JAN - 9 2004

Title

Office

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

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 reverse)

DRILLING OPERATIONS ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

HOLD C104 FOR Directional Survey

EMOCD

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1391 W. Grand Avenue, Artesia, NM 88210
District III
1898 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APL Number 30-045-32009		MV Pool Code 72319-71599	Pool Name BLANCO MV + BASIN DR
Property Code 46598	Property Name 33348 GRAHAM 10		Well Number # 26
OCRID No. 141852	Operator Name M & G DRILLING COMPANY INC.		Elevation 5862

Surface Location

UL or lot no.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County
F	10	27 N	8 W		1780	North	2375	West	San Juan

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County
E	10	27 N	8 W		1780	NORTH	675	WEST	SANTO
Dedicated Acres W/2		Joint or Infill Y		Consolidation Code		Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>Mike Pippin</i> Printed Name: MIKE PIPPIN Title: PETR. ENGR. Date: 11/14/03
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: 11/14/03 Signature: <i>William F. Mahnke II</i> Printed Name: William F. Mahnke II Certificate Number: 8466

M&G Drilling Company Inc.
Graham #10-6 MV/DK
2375' FWL, 1780' FNL
Unit F Sec. 10 T27N R08W
San Juan County, NM

Drilling Program

1. **ESTIMATED FORMATION TOPS (KB)**

(Assumed 1700' deviation at TD, 14 degrees average over depth of well)

<u>Formation Name</u>	<u>Depth (TVD)</u>	<u>Depth (Subsea)</u>	<u>Depth (MD)</u>
Nacimeinto	Surface		
Ojo Alamo	1160'	4714'	1196'
Kirtland	1275'	4599'	1314'
Fruitland	1820'	4054'	1876'
Pictured Cliffs	2052'	3822'	2114'
Lewis	2132'	3742'	2197'
Chacra	3017'	2857'	3109'
Cliffhouse	3729'	2145'	3843'
Menefee	3774'	2100'	3889'
Point Lookout	4324'	1550'	4456'
Greenhorn	6266'	-392'	6457'
Dakota	6456'	-582'	6653'
TD	6656'	-782'	6882'

2. **NOTABLE ZONES**

Gas or Oil Zones

Fruitland
Pictured Cliffs
Chacra
Cliffhouse
Menefee
Point Lookout
Dakota

Water Zones

Naciminto
Ojo Alamo
Kirtland
Fruitland

Coal Zone

Fruitland

Water zones will be protected with casing, cement, and weighted mud. Fresh water found while drilling will be recorded. Oil or gas shows will be tested for commercial potential based on the engineer's recommendations.

M&G Drilling Company Inc.
Graham #10-6 MV/DK
2375' FWL, 1780' FNL
Unit F Sec. 10 T27N R08W
San Juan County, NM

3. PRESSURE CONTROL

Maximum expected pressure is ~2700 psi. The drilling contract has not yet been awarded, thus the exact BOP model to be used is not yet known. A typical 11" 3,000 psi model is on PAGE #5.

BOP equipment and all accessories will meet or exceed BLM requirements in 43 CFR Part 3160 for a 3000 psi system. A 3000 psi double ram hydraulic BOP will be used. Accumulator system capacity will be sufficient to close all BOPE with a 50% safety factor. Fill, kill, and choke manifold lines will be 2". Accessories will include upper and lower Kelly cocks with handles, stabbing valve to fit drill pipe on floor at all times, string float at bit, 3000 psi choke manifold with 2" adjustable and 2" positive chokes, and pressure gauge. BOPs will be tested every 24 hours. Tests will be recorded on IADC log.

4. CASING & CEMENT (See Page 15)

Hole Size	O.D.	Weight (lb/ft)	Grade	Age	Connection	GL Setting Depth
12-1/4"	9-5/8"	36#	K-55	New	ST&C	280' (MD)
8-3/4"	7"	20#	K-55	New	ST&C	2500' (MD)
6-1/4"	4-1/2"	11.6#	N-80	New	ST&C	6882' (MD)

Surface casing will be cemented to the surface with ~175 cu. ft. (~126 sx) ^{Type III} ~~CP-B~~ or equivalent (1.39 ft³/sx yield, 14.6 ppg) with 2% CaCl₂ in mix water and 1/4#/sx celloflake. Volume based on 100% excess. We plan to run a minimum of 8 centralizers. A wooden wiper plug will be displaced within 20' of the shoe. WOC = 12 hours. Surface casing will be tested to 500 psi for 15 minutes.

Intermediate casing will be cemented to surface with a single stage. Total cement = 526 cu. ft.. Volumes are calculated at 40% excess. If cement does not circulate to surface, then a temperature survey will be run to determine the actual cement top as needed. WOC = 12 hours. Test to 1000 psi for 15 minutes.

Lead cement will be ~442 cu. ft. (~208 sx) Premium Lite FM w/2% CaCl₂, 1/4#/sx cello flake, 4#/sx Pheno Seal, 8% gel mixed at 12.1 ppg for a yield of 2.13 cu. ft. per sx.

Tail cement will be ~84 cu. ft. (~61 sx) Type III w/2% CaCl₂, 1/4#/sx Cello flake mixed at 14.6 ppg for a yield of 1.39 cu. ft. per sx.

Cementing equipment will include a guide shoe, and autofill float collar will be run 20' off bottom. We plan on running 10 centralizers and 2 turbolators.

Production casing will be cemented to 2300' ensuring cement coverage inside the intermediate casing with a single stage. Total cement = 588 cu. ft.. Volumes are calculated at 25% excess. A CBL will be run during completion operations to insure

M&G Drilling Company Inc.

Graham #10-6 MV/DK

2375' FWL, 1780' FNL

Unit F Sec. 10 T27N R08W

San Juan County, NM

cement coverage inside the 7" intermediate casing. Casing will be pressure tested during completion operations.

Lead cement will be ~257 cu. ft. (~79 sx) Premium Lite High Strength FM w/0.3% R-3, 2% KCl, 1/4#/sx Cello flake, 0.3% CD-32, 4#/sx Pheno Seal, 1% FL-52 mixed at 11.0 ppg for a yield of 3.09 cu. ft. per sx.

Tail cement will be ~331 cu. ft. (~162 sx) Premium Lite High Strength FM w/0.3% R-3, 2% KCl, 1/4#/sx Cello flake, 0.3% CD-032, 4#/sx Pheno Seal, 1% FL-52 mixed at 12.5 ppg for a yield of 2.04 cu. ft. per sx.

Cementing equipment will include a guide shoe, and autofill float collar will be run 20' off bottom. We plan on running 1 centralizer inside the 7" intermediate shoe.

5. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Wt./ppg.</u>	<u>Vis.</u>	<u>Fluid Loss</u>	<u>PH</u>
0'-280'	FW gel/lime spud mud	8.4-8.7	30-50	NC	10
280'-2500'	FW gel/Polymer	8.4-9.0	30-40	<20cc's	9.5
2500'-6882'	Air &/or Air/mist	N/A	N/A	N/A	N/A

Lost circulation and absorption material will be on location.

6. CORING, TESTING, & LOGGING

No cores or drill stem tests are planned. Open hole logs will include GR, Neutron-Density, and Induction. The Neutron-Density Log will be run from TD on the intermediate casing to 1600' and the Induction log from TD to the surface casing shoe. All logs will be run from TD on the production casing to the intermediate casing shoe.

7. DOWN HOLE CONDITIONS

No abnormal pressures, temperatures, nor hydrogen sulfide are expected. Maximum pressure will be ~2700 psi.

8. OTHER INFORMATION

The anticipated spud date is March 1, 2004. It is expected it will take ~16 days to drill and ~10 days to complete the well. Completion will start about one month after the spud and will include hydraulic fracturing.



**Scientific
Drilling**

Synergy Operating

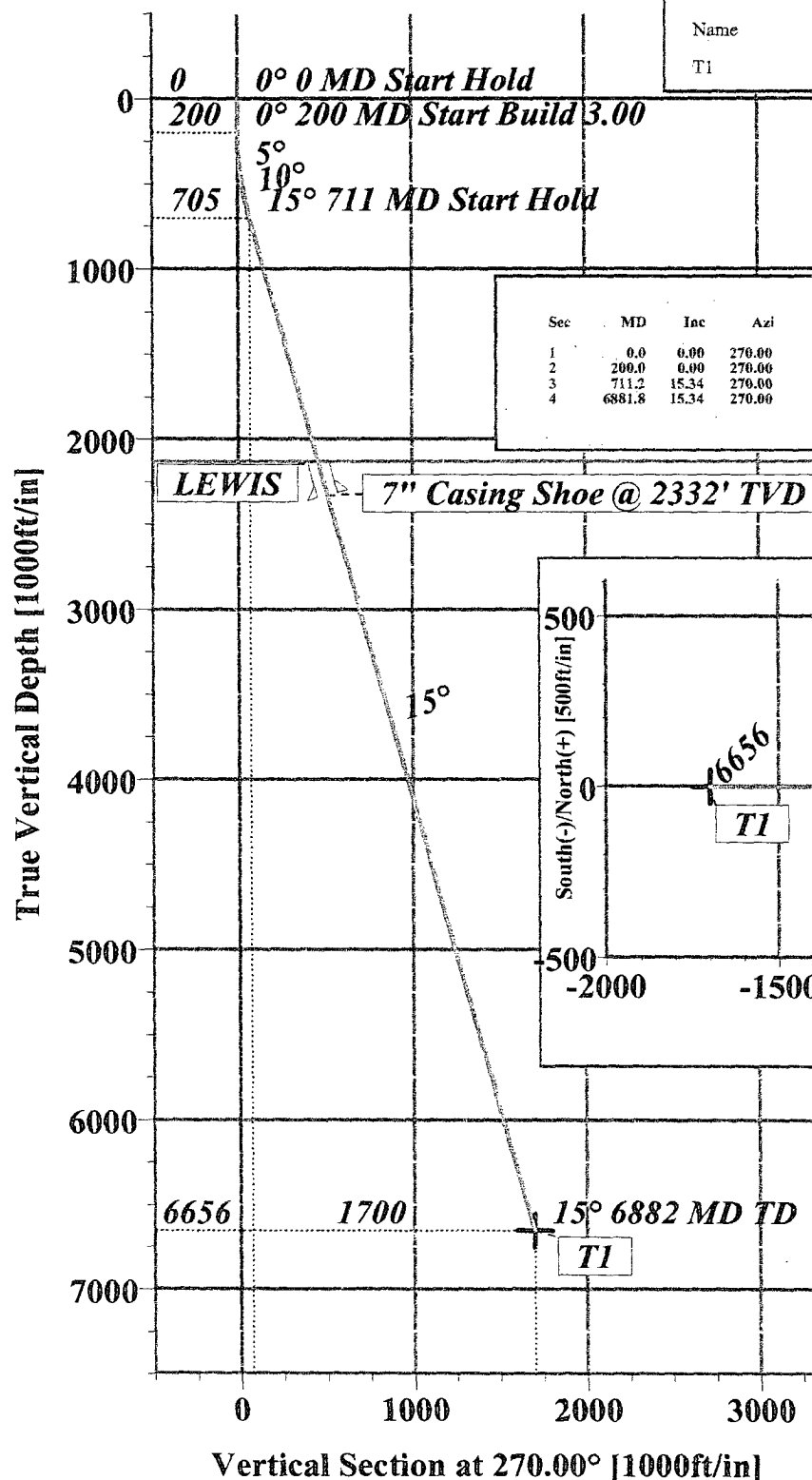
Field: San Juan County, NM
Site: Graham 10 #6 (Plan C)
Well: 10 #6
Wellpath: OH
Plan: Plan #1



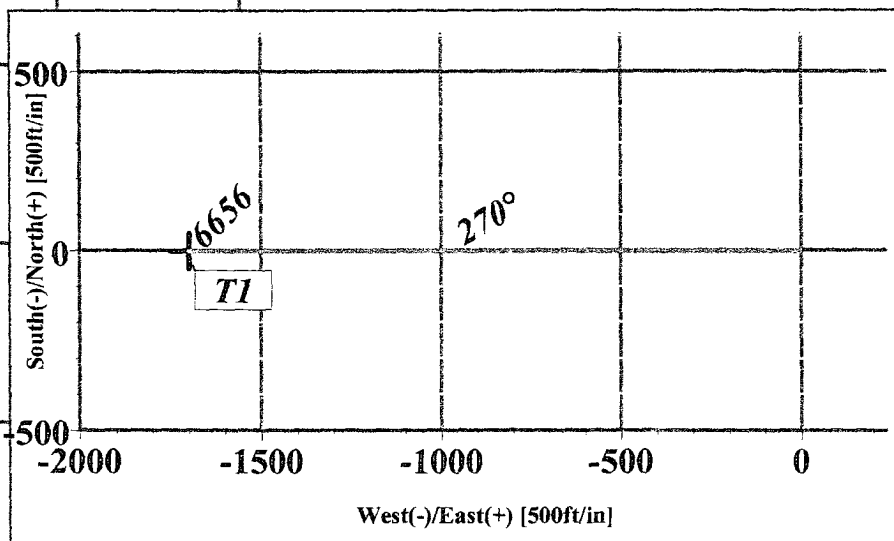
Azimuths to True North
Magnetic North: 10.96°

Magnetic Field
Strength: 51666 T
Dip Angle: 63.59°
Date: 9/16/2003
Model: jgrf2000

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
T1	6656.0	0.0	-1700.0	620748.26	166421.34	Point



SECTION DETAILS										
Sec	MD	Iac	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	270.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	270.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	711.2	15.34	270.00	705.1	0.0	-68.0	3.00	270.00	68.0	
4	6881.8	15.34	270.00	6656.0	0.0	-1700.0	0.00	0.00	1700.0	T1



WARNING

This document contains information that is proprietary and confidential to Scientific Drilling. It is to be used by Scientific Drilling's customer only for planning purposes on wells in which Scientific Drilling is the sole provider of directional drilling services. It is not to be otherwise used without the consent of Scientific Drilling nor is it to be disclosed in whole or in part to any other party.

Plan: Plan #1 (10 #6/OH)

Created By: Summer Whitehouse

Date: 9/16/2003



Scientific
Drilling

Scientific Drilling Planning Report

Company: Synergy Operating	Date: 9/17/2003	Time: 00:22:03	Page: 1
Field: San Juan County, NM	Co-ordinate(NE) Reference: Site: Graham 10 #6 (Plan C), True North		
Site: Graham 10 #6 (Plan C)	Vertical (TVD) Reference: SITE 0.0		
Well: 10 #6	Section (VS) Reference: Well (0.00N,0.00E,270.00Azi)		
Wellpath: OH	Plan: Plan #1		

Field: San Juan County, NM

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: Site Centre
Geomagnetic Model: igrf2000

Site: Graham 10 #6 (Plan C)
SHL: Sec. 10, T 27 N, R 8 W; 1780' FNL, 2375' FWL
PBHL: 1780' FNL, 675' FWL

Site Position:	Northing: 620749.13 m	Latitude: 36 35 49.000 N
From: Geographic	Easting: 166939.50 m	Longitude: 107 40 15.000 W
Position Uncertainty: 0.0 ft		North Reference: True
Ground Level: 5862.0 ft		Grid Convergence: 0.10 deg

Well: 10 #6

Slot Name:

Well Position: +N/-S 0.0 ft	Northing: 620749.13 m	Latitude: 36 35 49.000 N
+E/-W 0.0 ft	Easting: 166939.50 m	Longitude: 107 40 15.000 W
Position Uncertainty: 0.0 ft		

Wellpath: OH

Current Datum: SITE
Magnetic Data: 9/16/2003
Field Strength: 51606 nT
Vertical Section: Depth From (TVD)

Height 0.0 ft

Drilled From: Surface
Tie-on Depth: 0.0 ft
Above System Datum: Mean Sea Level
Declination: 10.96 deg
Mag Dip Angle: 63.59 deg
+E/-W **Direction**

ft	ft	ft	deg
0.0	0.0	0.0	270.00

Plan: Plan #1
Option "C" on Info Sheet
Principal: Yes

Date Composed: 9/16/2003
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
0.0	0.00	270.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	270.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
711.2	15.34	270.00	705.1	0.0	-68.0	3.00	3.00	0.00	270.00	
6881.8	15.34	270.00	6656.0	0.0	-1700.0	0.00	0.00	0.00	0.00	T1

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
0.0	0.00	270.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
200.0	0.00	270.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	270.00

Section 2 : Start Build 3.00

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
400.0	6.00	270.00	399.6	0.0	-10.5	10.5	3.00	3.00	0.00	0.00
500.0	9.00	270.00	498.8	0.0	-23.5	23.5	3.00	3.00	0.00	0.00
600.0	12.00	270.00	597.1	0.0	-41.7	41.7	3.00	3.00	0.00	0.00
700.0	15.00	270.00	694.3	0.0	-65.1	65.1	3.00	3.00	0.00	0.00
711.2	15.34	270.00	705.1	0.0	-68.0	68.0	3.00	3.00	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
800.0	15.34	270.00	790.8	0.0	-91.5	91.5	0.00	0.00	0.00	0.00
900.0	15.34	270.00	887.2	0.0	-117.9	117.9	0.00	0.00	0.00	0.00
1000.0	15.34	270.00	983.6	0.0	-144.4	144.4	0.00	0.00	0.00	0.00



Scientific Drilling Planning Report

Company: Synergy Operating
Field: San Juan County, NM
Site: Graham 10 #6 (Plan C)
Well: 10 #6
Wellpath: OH

Date: 9/17/2003 Time: 00:22:03 Page: 2
Co-ordinate(NE) Reference: Site: Graham 10 #6 (Plan C), True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,270.00Azi)
Plan: Plan #1

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
1100.0	15.34	270.00	1080.1	0.0	-170.8	170.8	0.00	0.00	0.00	0.00
1200.0	15.34	270.00	1176.5	0.0	-197.3	197.3	0.00	0.00	0.00	0.00
1300.0	15.34	270.00	1273.0	0.0	-223.7	223.7	0.00	0.00	0.00	0.00
1400.0	15.34	270.00	1369.4	0.0	-250.2	250.2	0.00	0.00	0.00	0.00
1500.0	15.34	270.00	1465.8	0.0	-276.6	276.6	0.00	0.00	0.00	0.00
1600.0	15.34	270.00	1562.3	0.0	-303.1	303.1	0.00	0.00	0.00	0.00
1700.0	15.34	270.00	1658.7	0.0	-329.5	329.5	0.00	0.00	0.00	0.00
1800.0	15.34	270.00	1755.1	0.0	-356.0	356.0	0.00	0.00	0.00	0.00
1900.0	15.34	270.00	1851.6	0.0	-382.4	382.4	0.00	0.00	0.00	0.00
2000.0	15.34	270.00	1948.0	0.0	-408.9	408.9	0.00	0.00	0.00	0.00
2100.0	15.34	270.00	2044.5	0.0	-435.3	435.3	0.00	0.00	0.00	0.00
2200.0	15.34	270.00	2140.9	0.0	-461.8	461.8	0.00	0.00	0.00	0.00
2300.0	15.34	270.00	2237.3	0.0	-488.2	488.2	0.00	0.00	0.00	0.00
2400.0	15.34	270.00	2333.8	0.0	-514.7	514.7	0.00	0.00	0.00	0.00
2500.0	15.34	270.00	2430.2	0.0	-541.1	541.1	0.00	0.00	0.00	0.00
2600.0	15.34	270.00	2526.7	0.0	-567.6	567.6	0.00	0.00	0.00	0.00
2700.0	15.34	270.00	2623.1	0.0	-594.0	594.0	0.00	0.00	0.00	0.00
2800.0	15.34	270.00	2719.5	0.0	-620.4	620.4	0.00	0.00	0.00	0.00
2900.0	15.34	270.00	2816.0	0.0	-646.9	646.9	0.00	0.00	0.00	0.00
3000.0	15.34	270.00	2912.4	0.0	-673.3	673.3	0.00	0.00	0.00	0.00
3100.0	15.34	270.00	3008.9	0.0	-699.8	699.8	0.00	0.00	0.00	0.00
3200.0	15.34	270.00	3105.3	0.0	-726.2	726.2	0.00	0.00	0.00	0.00
3300.0	15.34	270.00	3201.7	0.0	-752.7	752.7	0.00	0.00	0.00	0.00
3400.0	15.34	270.00	3298.2	0.0	-779.1	779.1	0.00	0.00	0.00	0.00
3500.0	15.34	270.00	3394.6	0.0	-805.6	805.6	0.00	0.00	0.00	0.00
3600.0	15.34	270.00	3491.1	0.0	-832.0	832.0	0.00	0.00	0.00	0.00
3700.0	15.34	270.00	3587.5	0.0	-858.5	858.5	0.00	0.00	0.00	0.00
3800.0	15.34	270.00	3683.9	0.0	-884.9	884.9	0.00	0.00	0.00	0.00
3900.0	15.34	270.00	3780.4	0.0	-911.4	911.4	0.00	0.00	0.00	0.00
4000.0	15.34	270.00	3876.8	0.0	-937.8	937.8	0.00	0.00	0.00	0.00
4100.0	15.34	270.00	3973.2	0.0	-964.3	964.3	0.00	0.00	0.00	0.00
4200.0	15.34	270.00	4069.7	0.0	-990.7	990.7	0.00	0.00	0.00	0.00
4300.0	15.34	270.00	4166.1	0.0	-1017.2	1017.2	0.00	0.00	0.00	0.00
4400.0	15.34	270.00	4262.6	0.0	-1043.6	1043.6	0.00	0.00	0.00	0.00
4500.0	15.34	270.00	4359.0	0.0	-1070.1	1070.1	0.00	0.00	0.00	0.00
4600.0	15.34	270.00	4455.4	0.0	-1096.5	1096.5	0.00	0.00	0.00	0.00
4700.0	15.34	270.00	4551.9	0.0	-1123.0	1123.0	0.00	0.00	0.00	0.00
4800.0	15.34	270.00	4648.3	0.0	-1149.4	1149.4	0.00	0.00	0.00	0.00
4900.0	15.34	270.00	4744.8	0.0	-1175.9	1175.9	0.00	0.00	0.00	0.00
5000.0	15.34	270.00	4841.2	0.0	-1202.3	1202.3	0.00	0.00	0.00	0.00
5100.0	15.34	270.00	4937.6	0.0	-1228.8	1228.8	0.00	0.00	0.00	0.00
5200.0	15.34	270.00	5034.1	0.0	-1255.2	1255.2	0.00	0.00	0.00	0.00
5300.0	15.34	270.00	5130.5	0.0	-1281.6	1281.6	0.00	0.00	0.00	0.00
5400.0	15.34	270.00	5227.0	0.0	-1308.1	1308.1	0.00	0.00	0.00	0.00
5500.0	15.34	270.00	5323.4	0.0	-1334.5	1334.5	0.00	0.00	0.00	0.00
5600.0	15.34	270.00	5419.8	0.0	-1361.0	1361.0	0.00	0.00	0.00	0.00
5700.0	15.34	270.00	5516.3	0.0	-1387.4	1387.4	0.00	0.00	0.00	0.00
5800.0	15.34	270.00	5612.7	0.0	-1413.9	1413.9	0.00	0.00	0.00	0.00
5900.0	15.34	270.00	5709.2	0.0	-1440.3	1440.3	0.00	0.00	0.00	0.00
6000.0	15.34	270.00	5805.6	0.0	-1466.8	1466.8	0.00	0.00	0.00	0.00
6100.0	15.34	270.00	5902.0	0.0	-1493.2	1493.2	0.00	0.00	0.00	0.00
6200.0	15.34	270.00	5998.5	0.0	-1519.7	1519.7	0.00	0.00	0.00	0.00
6300.0	15.34	270.00	6094.9	0.0	-1546.1	1546.1	0.00	0.00	0.00	0.00
6400.0	15.34	270.00	6191.3	0.0	-1572.6	1572.6	0.00	0.00	0.00	0.00
6500.0	15.34	270.00	6287.8	0.0	-1599.0	1599.0	0.00	0.00	0.00	0.00
6600.0	15.34	270.00	6384.2	0.0	-1625.5	1625.5	0.00	0.00	0.00	0.00
6700.0	15.34	270.00	6480.7	0.0	-1651.9	1651.9	0.00	0.00	0.00	0.00
6800.0	15.34	270.00	6577.1	0.0	-1678.4	1678.4	0.00	0.00	0.00	0.00
6881.8	15.34	270.00	6656.0	0.0	-1700.0	1700.0	0.00	0.00	0.00	0.00



Scientific
Drilling

Scientific Drilling Planning Report

Company: Synergy Operating
Field: San Juan County, NM
Site: Graham 10 #6 (Plan C)
Well: 10 #6
Wellpath: OH

Date: 9/17/2003 **Time:** 00:22:03 **Page:** 3
Co-ordinate(NE) Reference: Site: Graham 10 #6 (Plan C), True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,270.00Azi)
Plan: Plan #1

Targets

Name	Description		TVD ft	+N/-S ft	+E/-W ft	Map Northing m	Map Easting m	<--- Latitude --->			<--- Longitude --->		
	Dip.	Dir.						Deg	Min	Sec	Deg	Min	Sec
T1 -Plan hit target			6656.0	0.0	-1700.0	620748.26	166421.34	36	35	48.999 N	107	40	35.848 W