

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

"AS DRILLED PLAT"
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30830	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 37637	⁵ Property Name GOBERNADOR COM	⁶ Well Number 6 M
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6761'

¹⁰ Surface Location

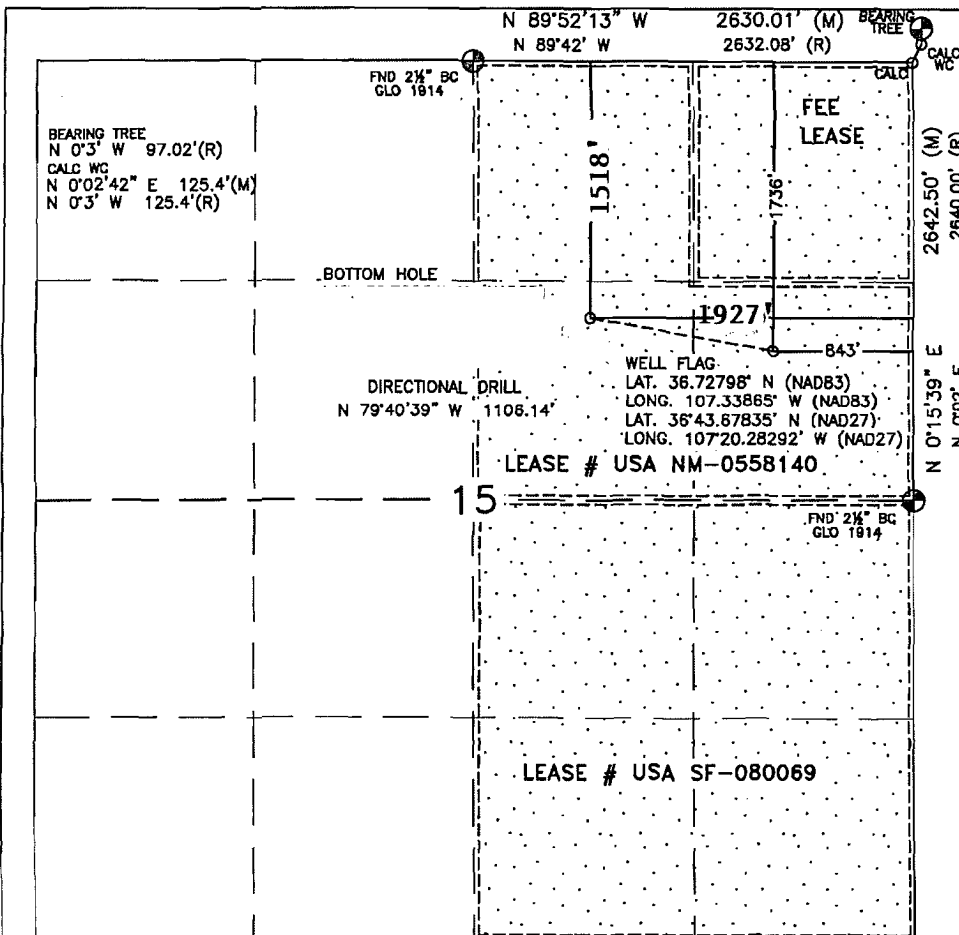
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	15	29N	5W		1736'	NORTH	843'	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	15	29N	5W		1518	NORTH	1927	EAST	RIO ARriba

¹² Dedicated Acres 320.00 ACRES - E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD SEP 14'10 OIL CONS. DIV.
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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 DIST. 3



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 9/13/10
Signature Date
Crystal Tafoya 9-13-10
Printed Name

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.

MAY 11, 2009

Date of Survey
Signature and Seal of Professional Surveyor:
David R. Russell



DAVID RUSSELL
Certificate Number 10201

Legal WellName : GOBERNADOR COM #6M	API / UWI: 3003930830
Operator: CONOCOPHILLIPS COMPANY	Surf Loc: 015-029N-005W-H
St/Prov: NEW MEXICO	N/S Dist (ft): 1,736.00 - FNL
County: RIO ARRIBA	E/W Dist (ft): 843.00 - FEL

RCVD SEP 14 '10
OIL CONS. DIV.
DIST. 3

Wellbore Name : Original Hole					
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
INCLINATION SURVEY	05/26/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
05/26/2010	133.00	.25	.00	Inc-WL	MOTE
05/26/2010	233.00	.50	.00	Inc-WL	MOTE
05/26/2010	387.00	.25	.00	Inc-WL	MOTE
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
DIRECTIONAL SURVEY	06/10/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
06/10/2010	398.00	.20	352.00	Inc-MWD	Pathfinder
06/10/2010	429.00	.30	53.60	Inc-MWD	Pathfinder
06/10/2010	460.00	.40	1.80	Inc-MWD	Pathfinder
06/10/2010	491.00	.90	318.70	Inc-MWD	Pathfinder
06/10/2010	522.00	1.40	294.60	Inc-MWD	Pathfinder
06/10/2010	553.00	1.90	286.60	Inc-MWD	Pathfinder
06/10/2010	584.00	2.40	290.70	Inc-MWD	Pathfinder
06/10/2010	613.00	3.30	289.70	Inc-MWD	Pathfinder
06/10/2010	644.00	3.90	284.30	Inc-MWD	Pathfinder
06/10/2010	676.00	4.50	285.00	Inc-MWD	Pathfinder
06/10/2010	706.00	5.20	281.10	Inc-MWD	Pathfinder
06/10/2010	736.00	6.00	279.10	Inc-MWD	Pathfinder
06/10/2010	767.00	6.70	281.30	Inc-MWD	Pathfinder
06/10/2010	798.00	7.60	277.80	Inc-MWD	Pathfinder
06/10/2010	829.00	8.50	277.60	Inc-MWD	Pathfinder
06/10/2010	860.00	9.60	276.90	Inc-MWD	Pathfinder
06/10/2010	891.00	10.30	274.50	Inc-MWD	Pathfinder
06/10/2010	922.00	11.10	273.50	Inc-MWD	Pathfinder
06/11/2010	953.00	12.00	274.00	Inc-MWD	Pathfinder
06/11/2010	984.00	12.80	274.90	Inc-MWD	Pathfinder
06/11/2010	1,014.00	13.70	273.80	Inc-MWD	Pathfinder
06/11/2010	1,045.00	14.80	274.70	Inc-MWD	Pathfinder
06/11/2010	1,076.00	15.60	276.40	Inc-MWD	Pathfinder
06/11/2010	1,107.00	16.60	279.30	Inc-MWD	Pathfinder
06/11/2010	1,138.00	17.60	279.80	Inc-MWD	Pathfinder
06/11/2010	1,169.00	18.50	278.80	Inc-MWD	Pathfinder

06/11/2010	1,200.00	19.30	278.90	Inc-MWD	Pathfinder
06/11/2010	1,231.00	20.20	279.60	Inc-MWD	Pathfinder
06/11/2010	1,262.00	20.90	281.20	Inc-MWD	Pathfinder
06/11/2010	1,293.00	22.10	282.20	Inc-MWD	Pathfinder
06/11/2010	1,324.00	23.30	282.50	Inc-MWD	Pathfinder
06/11/2010	1,355.00	24.30	283.30	Inc-MWD	Pathfinder
06/11/2010	1,387.00	24.90	284.20	Inc-MWD	Pathfinder
06/11/2010	1,418.00	25.00	284.00	Inc-MWD	Pathfinder
06/11/2010	1,450.00	25.00	283.40	Inc-MWD	Pathfinder
06/11/2010	1,482.00	25.30	283.30	Inc-MWD	Pathfinder
06/11/2010	1,514.00	25.70	283.20	Inc-MWD	Pathfinder
06/11/2010	1,546.00	26.00	283.40	Inc-MWD	Pathfinder
06/11/2010	1,644.00	25.70	283.40	Inc-MWD	Pathfinder
06/11/2010	1,739.00	25.10	283.30	Inc-MWD	Pathfinder
06/11/2010	1,833.00	23.60	281.10	Inc-MWD	Pathfinder
06/11/2010	1,929.00	23.30	280.10	Inc-MWD	Pathfinder
06/11/2010	2,023.00	24.10	279.60	Inc-MWD	Pathfinder
06/11/2011	2,118.00	24.60	279.10	Inc-MWD	Pathfinder
06/11/2010	2,213.00	24.00	280.30	Inc-MWD	Pathfinder
06/11/2010	2,308.00	24.10	280.40	Inc-MWD	Pathfinder
06/11/2010	2,403.00	24.50	279.90	Inc-MWD	Pathfinder
06/11/2010	2,498.00	24.70	281.50	Inc-MWD	Pathfinder
06/11/2010	2,593.00	25.40	281.80	Inc-MWD	Pathfinder
06/11/2010	2,688.00	24.50	281.20	Inc-MWD	Pathfinder
06/11/2010	2,783.00	25.10	283.40	Inc-MWD	Pathfinder
06/11/2010	2,878.00	24.70	282.70	Inc-MWD	Pathfinder
06/11/2010	2,973.00	23.50	282.10	Inc-MWD	Pathfinder
06/11/2010	3,005.00	23.20	280.90	Inc-MWD	Pathfinder
06/11/2010	3,037.00	23.20	280.90	Inc-MWD	Pathfinder
06/11/2010	3,068.00	22.80	280.80	Inc-MWD	Pathfinder
06/11/2010	3,100.00	22.10	281.50	Inc-MWD	Pathfinder
06/11/2010	3,131.00	21.40	281.80	Inc-MWD	Pathfinder
06/11/2010	3,163.00	20.70	281.20	Inc-MWD	Pathfinder
06/11/2010	3,195.00	20.30	280.70	Inc-MWD	Pathfinder
06/12/2010	3,226.00	20.00	281.30	Inc-MWD	Pathfinder
06/12/2010	3,258.00	19.80	282.20	Inc-MWD	Pathfinder
06/12/2010	3,289.00	19.20	281.60	Inc-MWD	Pathfinder
06/12/2010	3,321.00	19.20	282.00	Inc-MWD	Pathfinder
06/12/2010	3,353.00	18.90	283.00	Inc-MWD	Pathfinder
06/12/2010	3,384.00	17.70	281.80	Inc-MWD	Pathfinder
06/12/2010	3,416.00	16.50	281.60	Inc-MWD	Pathfinder
06/12/2010	3,448.00	15.50	281.00	Inc-MWD	Pathfinder
06/12/2010	3,480.00	14.70	282.00	Inc-MWD	Pathfinder
06/12/2010	3,511.00	13.80	283.20	Inc-MWD	Pathfinder
06/12/2010	3,543.00	12.60	283.80	Inc-MWD	Pathfinder
06/12/2010	3,575.00	12.10	284.10	Inc-MWD	Pathfinder
06/12/2010	3,606.00	11.90	284.80	Inc-MWD	Pathfinder
06/12/2010	3,638.00	11.20	286.30	Inc-MWD	Pathfinder

06/12/2010	3,670.00	10.40	286.20	Inc-MWD	Pathfinder
06/12/2010	3,701.00	9.80	283.40	Inc-MWD	Pathfinder
06/12/2010	3,733.00	9.40	281.60	Inc-MWD	Pathfinder
06/12/2010	3,764.00	8.40	281.70	Inc-MWD	Pathfinder
06/12/2010	3,796.00	7.60	281.40	Inc-MWD	Pathfinder
06/12/2010	3,828.00	6.90	282.20	Inc-MWD	Pathfinder
06/12/2010	3,859.00	6.30	283.80	Inc-MWD	Pathfinder
06/12/2010	3,891.00	5.90	282.10	Inc-MWD	Pathfinder
06/12/2010	3,923.00	5.40	279.80	Inc-MWD	Pathfinder
06/12/2010	3,954.00	4.70	278.40	Inc-MWD	Pathfinder
06/12/2010	4,021.00	4.00	274.00	Inc-MWD	Pathfinder

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
FINAL BH SURVEY	06/19/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
06/19/2010	8,130.00	1.25	.00	Inc-WL	PHOENIX

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
FINAL BH SURVEY	07/02/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
07/02/2010	6,297.00	1.50	.00	Inc-WL	PHOENIX

I, the undersigned, certify that I, acting in my capacity as Drilling Engineer for ConocoPhillips Company am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Todd Dolan

Subscribed and sworn to me this Sept. 13, 2010

Richard L. Tafaya

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010



Conoco Phillips

Rio Arriba County(NAD27)

Gobernador Com

#6M

S-Well

Survey: MWD #1

Standard Survey Report

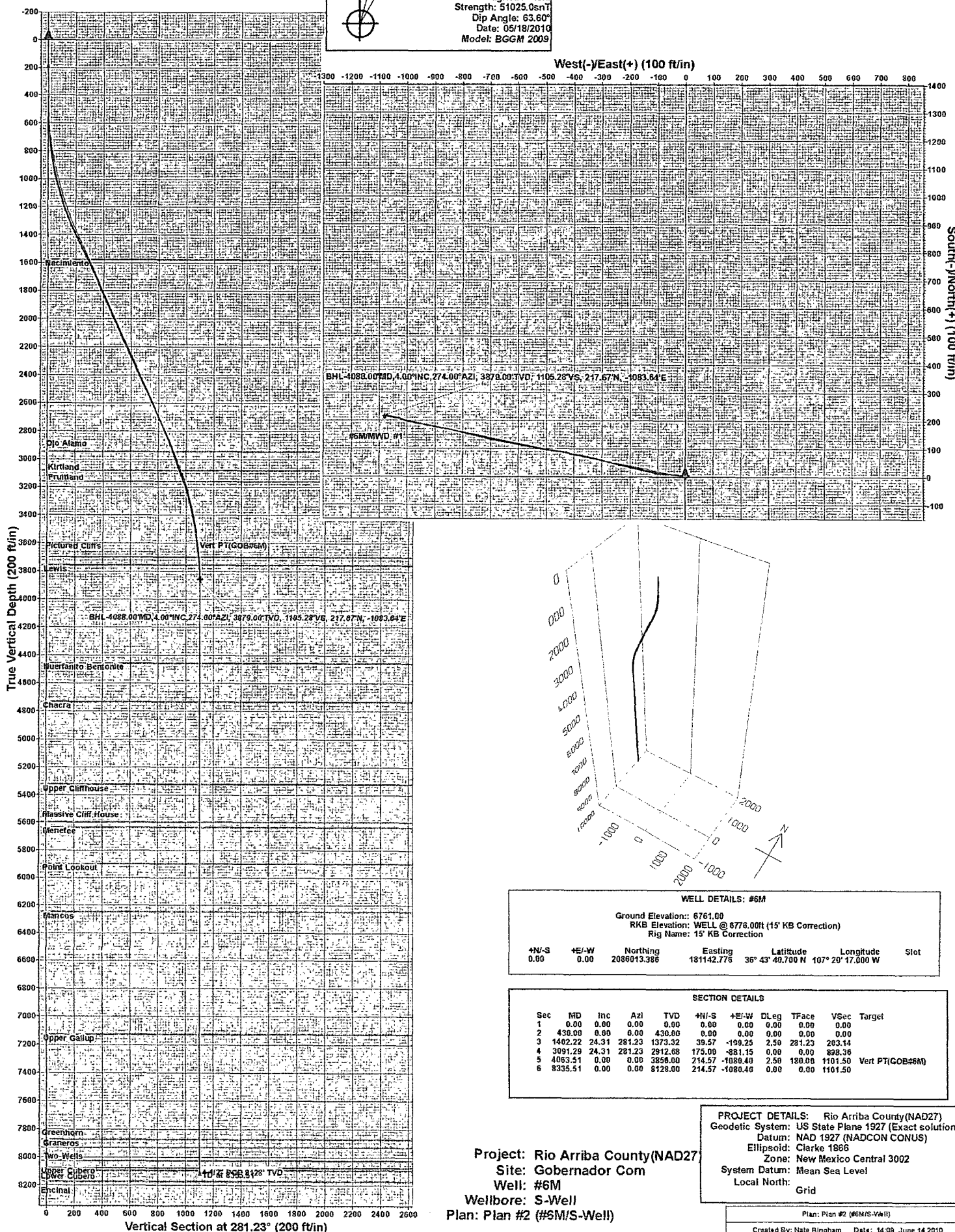
14 June, 2010

PATHFINDER



Azimuths to Grid North
True North: 0.65°
Magnetic North: 10.49°

Magnetic Field
Strength: 51025.0snT
Dip Angle: 63.60°
Date: 05/18/2010
Model: BGGM 2009



WELL DETAILS: #6M

Ground Elevation: 6761.00
RKB Elevation: WELL @ 6776.00ft (15' KB Correction)
Rig Name: 15' KB Correction

+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	2086013.388	181142.775	36° 43' 40.700 N	107° 26' 17.000 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	438.00	0.00	0.00	430.00	0.00	0.00	0.00	0.00	0.00	
3	1402.22	24.31	281.23	1373.32	39.57	-199.25	2.50	281.23	203.14	
4	3091.29	24.31	281.23	2912.68	175.00	-831.15	0.00	0.00	898.30	
5	4063.51	0.00	0.00	3858.00	214.57	-1080.40	2.50	180.00	1101.50	Vert PT (COB #6M)
6	8335.51	0.00	0.00	8128.00	214.57	-1080.40	0.00	0.00	1101.50	

PROJECT DETAILS: Rio Arriba County (NAD27)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico Central 3002
System Datum: Mean Sea Level
Local North: Grid

Project: Rio Arriba County (NAD27)
Site: Gobernador Com
Well: #6M
Wellbore: S-Well
Plan: Plan #2 (#6M/S-Well)

Plan: Plan #2 (#6M/S-Well)
Created By: Nate Bingham Date: 14/09, June 14 2010
Checked: Date:

Company:	Conoco Phillips	Local Co-ordinate Reference:	Well #6M
Project:	Rio Arriba County(NAD27)	TVD Reference:	WELL @ 6776.00ft (15' KB Correction)
Site:	Gobernador Com	MD Reference:	WELL @ 6776.00ft (15' KB Correction)
Well:	#6M	North Reference:	Grid
Wellbore:	S-Well	Survey Calculation Method:	Minimum Curvature
Design:	S-Well	Database:	Midland Database

Project	Rio Arriba County(NAD27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico Central 3002		

Site	Gobernador Com		
Site Position:		Northing:	2,086,103.752 ft
From:	Lat/Long	Easting:	181,200.794 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	36° 43' 41.600 N
		Longitude:	107° 20' 16.300 W
		Grid Convergence:	-0.65 °

Well	#6M		
Well Position	+N/-S	0.00 ft	Northing: 2,086,013.386 ft
	+E/-W	0.00 ft	Easting: 181,142.776 ft
Position Uncertainty	3.00 ft	Wellhead Elevation:	ft
		Latitude:	36° 43' 40.700 N
		Longitude:	107° 20' 17.000 W
		Ground Level:	6,761.00 ft

Wellbore	S-Well				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2009	05/18/2010	9.84	63.60	51,025

Design	S-Well			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	281.23

Survey Program	Date 06/14/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
398.00	4,088.00	MWD #1 (S-Well)	MWD	MWD - Standard

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
398.00	0.20	352.00	398.00	0.69	-0.10	0.23	0.05	0.05	0.00	
429.00	0.30	53.60	429.00	0.79	-0.04	0.19	0.87	0.32	198.71	
460.00	0.40	1.80	460.00	0.95	0.03	0.15	1.03	0.32	-167.10	
491.00	0.90	318.70	491.00	1.24	-0.13	0.37	2.15	1.61	-139.03	
522.00	1.40	294.60	521.99	1.58	-0.63	0.93	2.21	1.61	-77.74	
553.00	1.90	286.60	552.98	1.88	-1.47	1.81	1.77	1.61	-25.81	
584.00	2.40	290.70	583.96	2.26	-2.57	2.96	1.69	1.61	13.23	
613.00	3.30	289.70	612.92	2.75	-3.92	4.38	3.11	3.10	-3.45	
644.00	3.90	284.30	643.86	3.32	-5.78	6.32	2.22	1.94	-17.42	
676.00	4.50	285.00	675.77	3.91	-8.05	8.66	1.88	1.87	2.19	
706.00	5.20	281.10	705.66	4.48	-10.52	11.19	2.58	2.33	-13.00	
736.00	6.00	279.10	735.52	4.99	-13.40	14.12	2.74	2.67	-6.67	

Company:	Conoco Phillips	Local Co-ordinate Reference:	Well #6M
Project:	Rio Arriba County(NAD27)	TVD Reference:	WELL @ 6776.00ft (15' KB Correction)
Site:	Gobernador Com	MD Reference:	WELL @ 6776.00ft (15' KB Correction)
Well:	#6M	North Reference:	Grid
Wellbore:	S-Well	Survey Calculation Method:	Minimum Curvature
Design:	S-Well	Database:	Midland Database

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)
767.00	6.70	281.30	766.33	5.60	-16.78	17.55	2.39	2.26	7.10
798.00	7.60	277.80	797.09	6.23	-20.58	21.40	3.22	2.90	-11.29
829.00	8.50	277.60	827.78	6.81	-24.88	25.73	2.90	2.90	-0.65
860.00	9.60	276.90	858.40	7.42	-29.72	30.60	3.57	3.55	-2.26
891.00	10.30	274.50	888.93	7.95	-35.05	35.93	2.62	2.26	-7.74
922.00	11.10	273.50	919.39	8.35	-40.79	41.64	2.65	2.58	-3.23
953.00	12.00	274.00	949.76	8.76	-46.99	47.79	2.92	2.90	1.61
984.00	12.80	274.90	980.04	9.28	-53.62	54.40	2.65	2.58	2.90
1,014.00	13.70	273.80	1,009.24	9.80	-60.48	61.23	3.12	3.00	-3.67
1,045.00	14.80	274.70	1,039.29	10.36	-68.09	68.80	3.62	3.55	2.90
1,076.00	15.60	276.40	1,069.20	11.15	-76.18	76.89	2.95	2.58	5.48
1,107.00	16.60	279.30	1,098.99	12.33	-84.69	85.47	4.14	3.23	9.35
1,138.00	17.60	279.80	1,128.62	13.85	-93.68	94.58	3.26	3.23	1.61
1,169.00	18.50	278.80	1,158.09	15.40	-103.16	104.18	3.07	2.90	-3.23
1,200.00	19.30	278.90	1,187.42	16.94	-113.08	114.21	2.58	2.58	0.32
1,231.00	20.20	279.60	1,216.59	18.63	-123.42	124.68	3.00	2.90	2.26
1,262.00	20.90	281.20	1,245.62	20.59	-134.12	135.56	2.89	2.26	5.16
1,293.00	22.10	282.20	1,274.46	22.90	-145.24	146.92	4.05	3.87	3.23
1,324.00	23.30	282.50	1,303.06	25.46	-156.93	158.88	3.89	3.87	0.97
1,355.00	24.30	283.30	1,331.43	28.25	-169.12	171.39	3.39	3.23	2.58
1,387.00	24.90	284.20	1,360.52	31.42	-182.06	184.69	2.21	1.87	2.81
1,418.00	25.00	284.00	1,388.63	34.61	-194.74	197.75	0.42	0.32	-0.65
1,450.00	25.00	283.40	1,417.63	37.81	-207.88	211.26	0.79	0.00	-1.87
1,482.00	25.30	283.30	1,446.60	40.95	-221.11	224.85	0.95	0.94	-0.31
1,514.00	25.70	283.20	1,475.48	44.11	-234.52	238.62	1.26	1.25	-0.31
1,546.00	26.00	283.40	1,504.28	47.32	-248.10	252.57	0.98	0.94	0.62
1,644.00	25.70	283.40	1,592.47	57.22	-289.67	295.26	0.31	-0.31	0.00
1,739.00	25.10	283.30	1,678.29	66.63	-329.32	335.99	0.63	-0.63	-0.11
1,833.00	23.60	281.10	1,763.93	74.84	-367.19	374.73	1.86	-1.60	-2.34
1,929.00	23.30	280.10	1,852.00	81.87	-404.73	412.93	0.52	-0.31	-1.04
2,023.00	24.10	279.60	1,938.07	88.33	-441.96	450.70	0.88	0.85	-0.53
2,118.00	24.60	279.10	2,024.62	94.69	-480.61	489.85	0.57	0.53	-0.53
2,213.00	24.00	280.30	2,111.20	101.27	-519.14	528.93	0.82	-0.63	1.26
2,308.00	24.10	280.40	2,197.95	108.23	-557.23	567.64	0.11	0.11	0.11
2,403.00	24.50	279.90	2,284.54	115.12	-595.71	606.72	0.47	0.42	-0.53
2,498.00	24.70	281.50	2,370.92	122.46	-634.57	646.26	0.73	0.21	1.68
2,593.00	25.40	281.80	2,456.98	130.58	-673.96	686.49	0.75	0.74	0.32
2,688.00	24.50	281.20	2,543.11	138.58	-713.23	726.56	0.98	-0.95	-0.63
2,783.00	25.10	283.40	2,629.35	147.07	-752.15	766.39	1.16	0.63	2.32
2,878.00	24.70	282.70	2,715.52	156.10	-791.12	806.37	0.52	-0.42	-0.74
2,973.00	23.50	282.10	2,802.24	164.44	-829.00	845.15	1.29	-1.26	-0.63
3,005.00	23.20	280.90	2,831.62	166.97	-841.43	857.84	1.76	-0.94	-3.75
3,037.00	23.20	280.90	2,861.03	169.35	-853.81	870.44	0.00	0.00	0.00
3,068.00	22.80	280.80	2,889.57	171.63	-865.70	882.55	1.30	-1.29	-0.32
3,100.00	22.10	281.50	2,919.14	173.99	-877.69	894.77	2.34	-2.19	2.19
3,131.00	21.40	281.80	2,947.94	176.31	-888.94	906.26	2.29	-2.26	0.97
3,163.00	20.70	281.20	2,977.80	178.61	-900.21	917.75	2.29	-2.19	-1.87
3,195.00	20.30	280.70	3,007.77	180.74	-911.21	928.96	1.36	-1.25	-1.56
3,226.00	20.00	281.30	3,036.88	182.77	-921.69	939.64	1.18	-0.97	1.94
3,258.00	19.80	282.20	3,066.97	184.99	-932.36	950.53	1.14	-0.62	2.81
3,289.00	19.20	281.60	3,096.19	187.12	-942.48	960.88	2.04	-1.94	-1.94
3,321.00	19.20	282.00	3,126.41	189.28	-952.78	971.40	0.41	0.00	1.25
3,353.00	18.90	283.00	3,156.65	191.54	-962.98	981.84	1.39	-0.94	3.12
3,384.00	17.70	281.80	3,186.09	193.63	-972.48	991.57	4.06	-3.87	-3.87

Company:	Conoco Phillips	Local Co-ordinate Reference:	Well #6M
Project:	Rio Arriba County(NAD27)	TVD Reference:	WELL @ 6776.00ft (15' KB Correction)
Site:	Gobernador Com	MD Reference:	WELL @ 6776.00ft (15' KB Correction)
Well:	#6M	North Reference:	Grid
Wellbore:	S-Well	Survey Calculation Method:	Minimum Curvature
Design:	S-Well	Database:	Midland Database

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)
3,416.00	16.50	281.60	3,216.67	195.54	-981.70	1,000.98	3.75	-3.75	-0.62
3,448.00	15.50	281.00	3,247.43	197.27	-990.35	1,009.80	3.17	-3.12	-1.87
3,480.00	14.70	282.00	3,278.33	198.93	-998.52	1,018.14	2.63	-2.50	3.12
3,511.00	13.80	283.20	3,308.37	200.59	-1,005.96	1,025.77	3.06	-2.90	3.87
3,543.00	12.60	283.80	3,339.53	202.29	-1,013.07	1,033.07	3.77	-3.75	1.87
3,575.00	12.10	284.10	3,370.79	203.94	-1,019.71	1,039.90	1.58	-1.56	0.94
3,606.00	11.90	284.80	3,401.11	205.55	-1,025.95	1,046.34	0.80	-0.65	2.26
3,638.00	11.20	286.30	3,432.46	207.27	-1,032.12	1,052.73	2.38	-2.19	4.69
3,670.00	10.40	286.20	3,463.89	208.94	-1,037.88	1,058.70	2.50	-2.50	-0.31
3,701.00	9.80	283.40	3,494.41	210.34	-1,043.13	1,064.12	2.50	-1.94	-9.03
3,733.00	9.40	281.60	3,525.96	211.49	-1,048.34	1,069.46	1.56	-1.25	-5.62
3,764.00	8.40	281.70	3,556.59	212.46	-1,053.04	1,074.25	3.23	-3.23	0.32
3,796.00	7.60	281.40	3,588.28	213.35	-1,057.40	1,078.71	2.50	-2.50	-0.94
3,828.00	6.90	282.20	3,620.02	214.18	-1,061.36	1,082.75	2.21	-2.19	2.50
3,859.00	6.30	283.80	3,650.82	214.98	-1,064.83	1,086.31	2.02	-1.94	5.16
3,891.00	5.90	282.10	3,682.64	215.74	-1,068.14	1,089.71	1.37	-1.25	-5.31
3,923.00	5.40	279.80	3,714.48	216.34	-1,071.23	1,092.86	1.71	-1.56	-7.19
3,954.00	4.70	278.40	3,745.36	216.78	-1,073.93	1,095.58	2.29	-2.26	-4.52
4,021.00	4.00	274.00	3,812.17	217.34	-1,078.97	1,100.64	1.16	-1.04	-6.57
4,088.00	4.00	274.00	3,879.00	217.67	-1,083.64	1,105.28	0.00	0.00	0.00
BHL-4088.00°MD,4.00°INC,274.00°AZI, 3879.00°TVD, 1105.28°VS, 217.67°N, -1083.64°E									

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Vert PT(GOB#6M)	0.00	0.00	3,856.00	214.57	-1,080.40	2,086,227.957	180,062.378	36° 43' 42.700 N	107° 20' 30.300 W
- survey misses target center by 3.40ft at 4064.81ft MD (3855.87 TVD, 217.55 N, -1082.02 E)									
- Point									

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,088.00	3,879.00	217.67	-1,083.64	BHL-4088.00°MD,4.00°INC,274.00°AZI, 3879.00°TVD, 1105.28°VS, 217

Checked By: _____ Approved By: _____ Date: _____