

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 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 October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RCVD FEB 28 '08

☐ AMENDED REPORT
OIL CONS. DIV.

WELL LOCATION AND ACREAGE DEDICATION PLAT

DIST. 3

*API Number 30-039-30276		*Pool Code 72319 / 71599		*Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
*Property Code 31739		*Property Name SAN JUAN 28-7 UNIT			*Well Number 220G
*GRID No 217817		*Operator Name CONOCOPHILLIPS COMPANY			*Elevation 6805

¹⁰ Surface Location

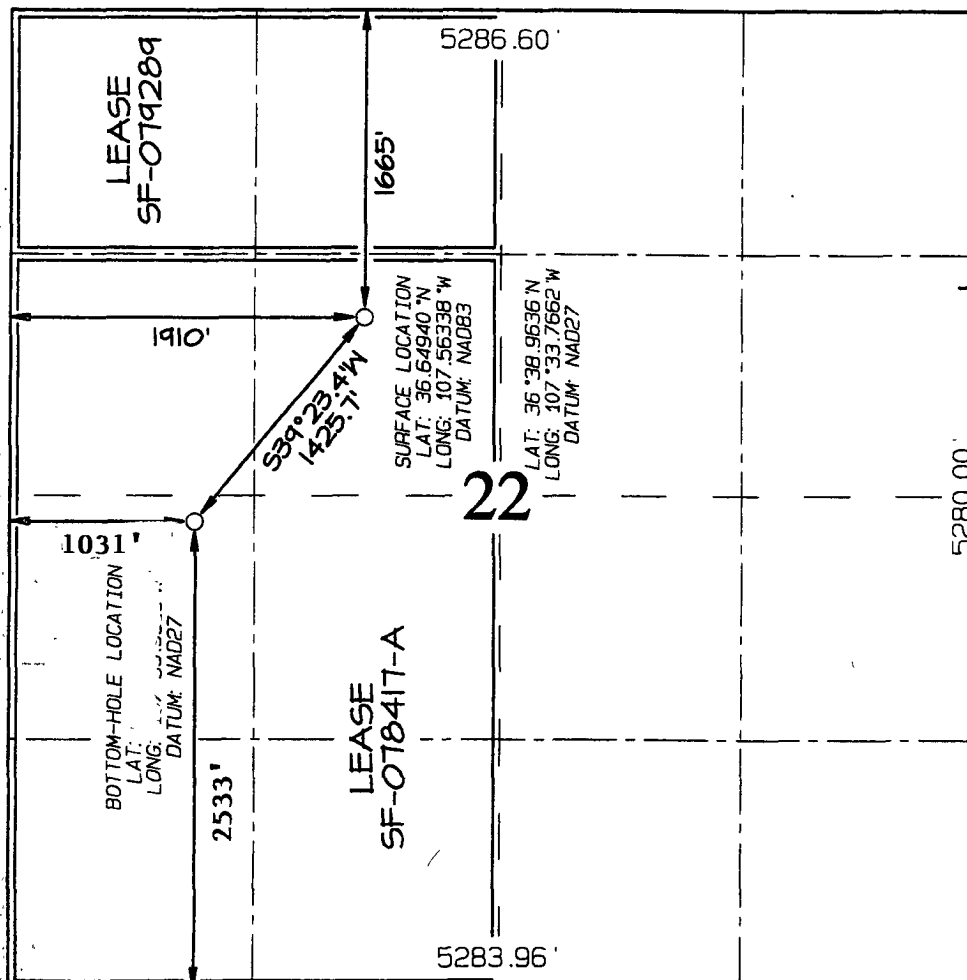
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	22	28N	7W		1665	NORTH	1910	WEST	RIO ARriba

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
L	22	28N	7W		2533	SOUTH	1031	WEST	RIO ARriba

¹² Dedicated Acres	320.0 Acres - W/2 (MV) 320.0 Acres - W/2 (DK)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No
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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



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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

Signature: *Tamra Sessions* Date: 2/22/08

Tamra Sessions

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.

7/6/2006

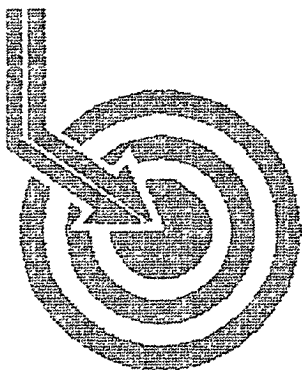
Date of Survey

Signature and Seal of Professional Surveyor:

15269

Certificate Number

30-039-30276



Scientific Drilling

RCVD FEB 28 '08

OIL CONS. DIV.

CONOCOPHILLIPS

DIST. 3

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 28-7 #220G
Wellpath: DH - Job #33D1007946
Survey: 10/18/07-10/24/07

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Lee Carter*.....Company Representative

Notorized this date 21 of February, 2008, 2007.

Yvonne Tsinnijinnie
Notary Signature
County of Midland
State of Texas



OFFICIAL SEAL
YVONNE TSINNIJINNIE
Notary Public
State of New Mexico
My Commission Expires 9-5-10



Scientific Drilling International Survey Report

Company: CONOCOPHILLIPS	Date: 02/21/2008	Time: 10:38:03	Page: 1
Field: San Juan	Co-ordinate(N/E) Reference:	Site: Rio Arriba County, NM, True North	
Site: Rio Arriba County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: San Juan 28-7 #220G	Section (VS) Reference:	Well (0.00N,0.00E,219.55Azi)	
Wellpath: DH - Job #33D1007946	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 10/18/07-10/24/07	Start Date: 10/18/2007
E-field 0'-5105'	
Company: Scientific Drilling Internatio	Engineer: Vestal/Gillespie/Geiser/Lockar
Tool: E-field;E-field MWD	Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
367.00	0.69	265.10	366.99	1.55	-0.19	-2.20	0.19	2.21	265.10
428.00	0.87	245.28	427.99	2.22	-0.41	-2.99	0.53	3.02	262.12
490.00	1.97	219.94	489.97	3.71	-1.43	-4.10	2.00	4.34	250.80
551.00	3.23	221.32	550.90	6.48	-3.52	-5.91	2.07	6.88	239.20
613.00	4.67	222.01	612.75	10.75	-6.71	-8.75	2.32	11.03	232.52
674.00	5.66	220.81	673.50	16.23	-10.83	-12.38	1.63	16.45	228.81
736.00	7.03	220.91	735.12	23.08	-16.01	-16.86	2.21	23.25	226.48
799.00	8.66	220.12	797.53	31.68	-22.55	-22.44	2.59	31.82	224.86
860.00	10.29	218.29	857.70	41.72	-30.34	-28.78	2.72	41.82	223.48
922.00	11.78	221.06	918.55	53.58	-39.46	-36.37	2.55	53.66	222.66
985.00	13.06	220.63	980.07	67.13	-49.71	-45.23	2.04	67.21	222.29
1047.00	14.93	223.45	1040.23	82.10	-60.83	-55.28	3.21	82.20	222.26
1111.00	16.45	223.89	1101.85	99.37	-73.35	-67.24	2.38	99.50	222.51
1175.00	18.57	224.99	1162.88	118.55	-87.08	-80.72	3.35	118.74	222.83
1239.00	19.96	224.51	1223.29	139.58	-102.08	-95.59	2.19	139.85	223.12
1303.00	20.55	223.07	1283.33	161.67	-118.08	-110.92	1.21	162.00	223.21
1366.00	20.99	221.31	1342.24	183.99	-134.63	-125.92	1.21	184.34	223.08
1430.00	21.18	219.99	1401.96	207.01	-152.10	-140.91	0.80	207.34	222.81
1494.00	21.99	218.96	1461.47	230.55	-170.28	-155.88	1.40	230.85	222.47
1558.00	22.16	218.21	1520.78	254.60	-189.08	-170.88	0.51	254.85	222.11
1622.00	22.00	217.49	1580.08	278.64	-208.07	-185.64	0.49	278.85	221.74
1685.00	21.66	217.23	1638.56	302.05	-226.69	-199.86	0.56	302.21	221.40
1749.00	21.44	216.46	1698.09	325.54	-245.51	-213.95	0.56	325.65	221.07
1813.00	21.25	216.56	1757.70	348.80	-264.23	-227.81	0.30	348.88	220.77
1877.00	20.85	217.04	1817.43	371.76	-282.64	-241.58	0.68	371.81	220.52
1940.00	20.92	216.51	1876.29	394.19	-300.63	-255.03	0.32	394.23	220.31
2004.00	20.90	216.04	1936.08	417.00	-319.04	-268.54	0.26	417.01	220.09
2068.00	20.87	218.43	1995.87	439.79	-337.20	-282.34	1.33	439.80	219.94
2132.00	20.83	218.50	2055.68	462.56	-355.04	-296.51	0.07	462.57	219.87
2195.00	20.11	218.53	2114.70	484.59	-372.28	-310.23	1.14	484.60	219.81
2259.00	19.66	218.08	2174.89	506.35	-389.36	-323.73	0.74	506.36	219.74
2323.00	20.53	218.02	2234.99	528.34	-406.67	-337.28	1.36	528.34	219.67
2387.00	20.78	217.41	2294.88	550.90	-424.53	-351.09	0.52	550.90	219.59
2451.00	19.65	218.22	2354.93	573.00	-442.00	-364.64	1.82	573.00	219.52
2514.00	20.26	219.93	2414.15	594.50	-458.69	-378.20	1.34	594.50	219.51
2578.00	20.69	219.63	2474.11	616.89	-475.90	-392.52	0.69	616.89	219.52
2642.00	21.11	219.38	2533.90	639.72	-493.51	-407.05	0.67	639.72	219.52
2706.00	21.95	220.67	2593.43	663.20	-511.49	-422.15	1.51	663.20	219.53
2770.00	22.43	218.42	2652.69	687.37	-530.13	-437.54	1.52	687.37	219.53
2833.00	22.94	219.56	2710.82	711.67	-549.01	-452.82	1.07	711.67	219.52
2897.00	22.15	218.78	2769.93	736.20	-568.04	-468.33	1.32	736.20	219.50
2961.00	21.56	218.44	2829.33	760.02	-586.65	-483.19	0.94	760.02	219.48
3024.00	21.62	218.53	2887.91	783.20	-604.80	-497.62	0.11	783.20	219.45
3088.00	22.00	217.21	2947.33	806.97	-623.57	-512.21	0.97	806.97	219.40
3152.00	22.17	216.46	3006.63	831.00	-642.83	-526.64	0.51	831.01	219.33
3215.00	21.84	215.25	3065.04	854.56	-661.96	-540.47	0.89	854.57	219.23
3278.00	21.72	215.51	3123.54	877.87	-681.02	-554.00	0.24	877.90	219.13
3340.00	21.77	216.32	3181.13	900.79	-699.62	-567.47	0.49	900.83	219.05



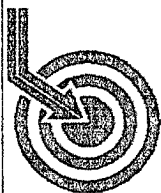
Scientific Drilling International Survey Report

Company: CONOCOPHILLIPS
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 28-7 #220G
Wellpath: DH - Job #33D1007946

Date: 02/21/2008 Time: 10:38:03 Page: 2
Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,219.55Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
3403.00	21.17	217.38	3239.76	923.83	-718.07	-581.30	1.13	923.87	218.99
3465.00	20.72	217.10	3297.66	945.97	-735.72	-594.71	0.74	946.02	218.95
3528.00	20.75	218.61	3356.58	968.26	-753.33	-608.40	0.85	968.32	218.92
3592.00	19.89	217.29	3416.60	990.48	-770.85	-622.07	1.52	990.54	218.90
3656.00	19.47	217.50	3476.86	1012.02	-787.97	-635.16	0.67	1012.09	218.87
3720.00	20.46	219.51	3537.01	1033.86	-805.06	-648.77	1.88	1033.94	218.86
3784.00	20.00	220.73	3597.07	1055.99	-821.99	-663.03	0.98	1056.06	218.89
3847.00	19.72	220.08	3656.32	1077.39	-838.28	-676.90	0.57	1077.46	218.92
3911.00	19.01	218.20	3716.70	1098.61	-854.74	-690.30	1.48	1098.67	218.92
3975.00	18.45	216.60	3777.31	1119.14	-871.06	-702.78	1.19	1119.22	218.90
4037.00	17.74	217.55	3836.24	1138.38	-886.42	-714.39	1.24	1138.46	218.87
4101.00	16.25	216.78	3897.45	1157.07	-901.33	-725.69	2.35	1157.16	218.84
4164.00	15.60	218.67	3958.03	1174.35	-915.00	-736.26	1.32	1174.44	218.82
4228.00	14.78	219.04	4019.79	1191.11	-928.06	-746.78	1.29	1191.21	218.82
4292.00	14.49	219.25	4081.72	1207.28	-940.60	-756.99	0.46	1207.38	218.83
4356.00	15.57	220.38	4143.53	1223.88	-953.35	-767.62	1.75	1223.97	218.84
4420.00	15.30	218.93	4205.22	1240.91	-966.46	-778.49	0.74	1241.00	218.85
4483.00	16.03	220.86	4265.88	1257.92	-979.50	-789.41	1.42	1258.01	218.87
4547.00	16.21	218.78	4327.36	1275.69	-993.15	-800.78	0.95	1275.77	218.88
4611.00	15.05	219.46	4388.99	1292.93	-1006.53	-811.66	1.83	1293.02	218.88
4675.00	14.54	219.58	4450.87	1309.27	-1019.14	-822.06	0.80	1309.36	218.89
4738.00	15.17	221.09	4511.77	1325.42	-1031.44	-832.51	1.17	1325.50	218.91
4802.00	13.73	220.58	4573.74	1341.38	-1043.52	-842.96	2.26	1341.46	218.93
4866.00	12.55	221.77	4636.06	1355.93	-1054.48	-852.53	1.89	1356.00	218.96
4930.00	10.78	221.82	4698.74	1368.86	-1064.13	-861.16	2.77	1368.92	218.98
4994.00	8.98	223.82	4761.79	1379.82	-1072.19	-868.61	2.86	1379.88	219.01
5057.00	7.20	226.52	4824.16	1388.64	-1078.46	-874.88	2.89	1388.70	219.05
5105.00	5.87	231.83	4871.85	1394.03	-1082.04	-878.99	3.04	1394.07	219.09



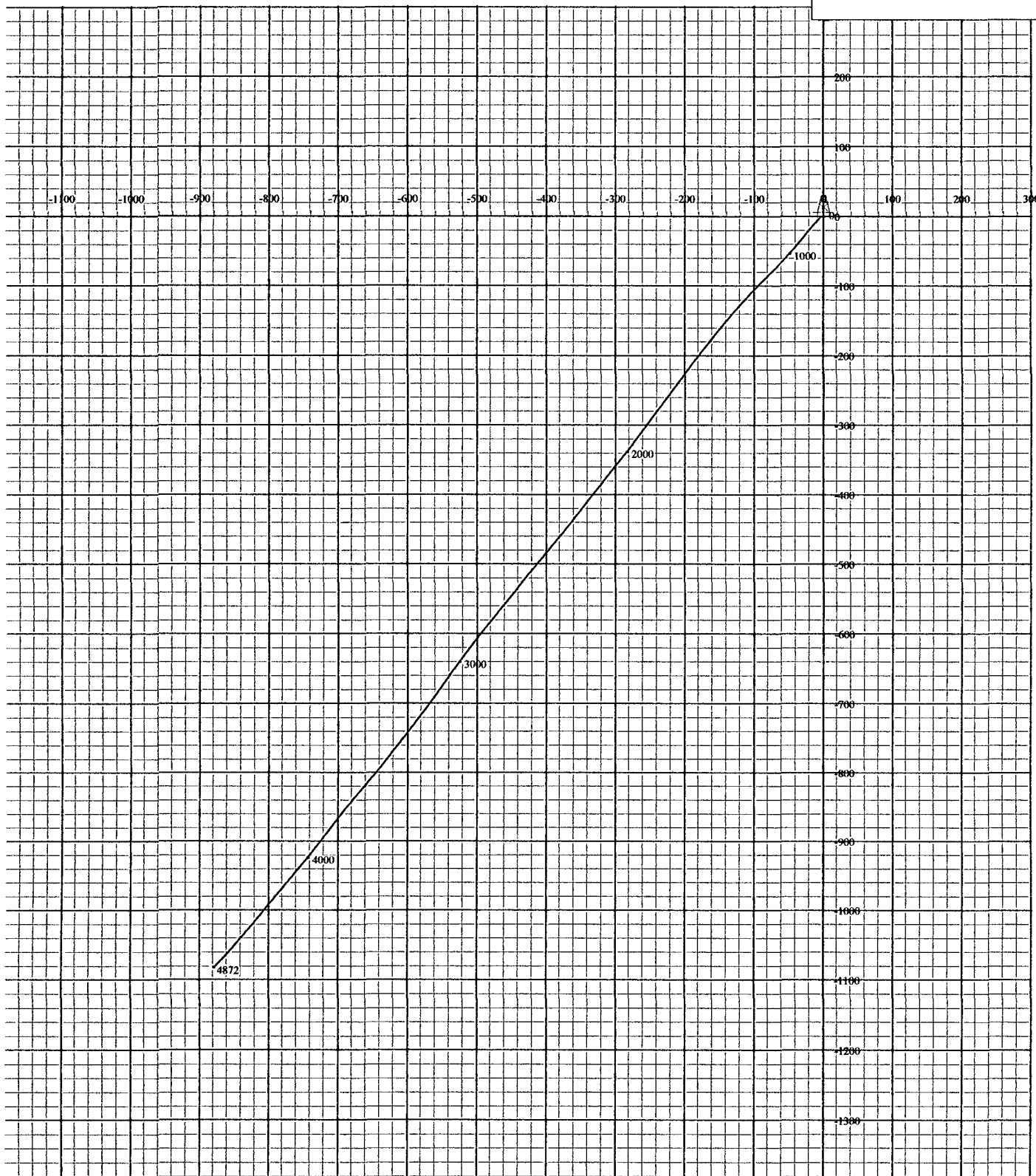
Scientific
Drilling

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 28-7 #220G
Wellpath: DH - Job #33D1007946
Survey: 10/18/07-10/24/07



Azimuth to True North
Magnetic North 0.00°
Magnetic Field
Strength 0.0 T
Dip Angle 0.00°
Date: 11/22/2007
Model: gr12000

West(-)/East(+) [100ft/in]



South(-)/North(+) [1000ft/in]

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
10/20/2007	4,866.00	12.55	MWD	Scientific Drilling	
10/20/2007	4,898.00	11.50	MWD	Scientific Drilling	
10/20/2007	4,930.00	10.78	MWD	Scientific Drilling	
10/20/2007	4,994.00	8.98	MWD	Scientific Drilling	
10/20/2007	5,057.00	7.20	MWD	Scientific Drilling	
10/20/2007	5,105.00	5.87	MWD	Scientific Drilling	
10/20/2007	5,160.00	4.10	MWD	Scientific Drilling	
12/6/2007	8,174.00	1.00	FINAL BHS	PHOENIX	

RCVD FEB 28 '08

OIL CONS. DIV.

DIST. 3

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.

[Signature]

Subscribed and sworn to me this 2-19-08

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires January 10, 2011

COP Deviation Report SAN JUAN 28-7 UNIT #220G

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
10/20/2007	2,387.00	20.78	MWD	Scientific Drilling
10/20/2007	2,451.00	19.65	MWD	Scientific Drilling
10/20/2007	2,514.00	20.26	MWD	Scientific Drilling
10/20/2007	2,578.00	20.69	MWD	Scientific Drilling
10/20/2007	2,642.00	21.11	MWD	Scientific Drilling
10/20/2007	2,706.00	21.95	MWD	Scientific Drilling
10/20/2007	2,770.00	22.43	MWD	Scientific Drilling
10/20/2007	2,833.00	22.94	MWD	Scientific Drilling
10/20/2007	2,897.00	22.15	MWD	Scientific Drilling
10/20/2007	2,961.00	21.56	MWD	Scientific Drilling
10/20/2007	3,024.00	21.62	MWD	Scientific Drilling
10/20/2007	3,088.00	22.00	MWD	Scientific Drilling
10/20/2007	3,152.00	22.17	MWD	Scientific Drilling
10/20/2007	3,215.00	21.84	MWD	Scientific Drilling
10/20/2007	3,278.00	21.72	MWD	Scientific Drilling
10/20/2007	3,340.00	21.77	MWD	Scientific Drilling
10/20/2007	3,403.00	21.17	MWD	Scientific Drilling
10/20/2007	3,465.00	20.72	MWD	Scientific Drilling
10/20/2007	3,528.00	20.75	MWD	Scientific Drilling
10/20/2007	3,592.00	19.89	MWD	Scientific Drilling
10/20/2007	3,656.00	19.47	MWD	Scientific Drilling
10/20/2007	3,720.00	20.46	MWD	Scientific Drilling
10/20/2007	3,784.00	20.00	MWD	Scientific Drilling
10/20/2007	3,847.00	19.72	MWD	Scientific Drilling
10/20/2007	3,911.00	19.01	MWD	Scientific Drilling
10/20/2007	3,975.00	18.45	MWD	Scientific Drilling
10/20/2007	4,037.00	17.74	MWD	Scientific Drilling
10/20/2007	4,101.00	16.25	MWD	Scientific Drilling
10/20/2007	4,164.00	15.60	MWD	Scientific Drilling
10/20/2007	4,228.00	14.78	MWD	Scientific Drilling
10/20/2007	4,292.00	14.49	MWD	Scientific Drilling
10/20/2007	4,356.00	15.57	MWD	Scientific Drilling
10/20/2007	4,420.00	15.30	MWD	Scientific Drilling
10/20/2007	4,483.00	16.03	MWD	Scientific Drilling
10/20/2007	4,547.00	16.21	MWD	Scientific Drilling
10/20/2007	4,611.00	15.05	MWD	Scientific Drilling
10/20/2007	4,675.00	14.54	MWD	Scientific Drilling
10/20/2007	4,738.00	15.17	MWD	Scientific Drilling
10/20/2007	4,802.00	13.73	MWD	Scientific Drilling

I, the undersigned, certify that I acting in my capacity as _____ 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.

(Signature)

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____



COP Deviation Report

SAN JUAN 28-7 UNIT #220G

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 28-7 UNIT #220G	API / UWI 3003930276	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location SEC:22;TWN:028N;RNG:007W	N/S Dist (ft) 1,665.00	N/S Ref N	E/W Dist (ft) 1,910.00	E/W Ref W

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
9/28/2007	114.00	0.75	DEVIATION	MO-TE
9/28/2007	214.00	0.75	DEVIATION	MO-TE
9/28/2007	260.00	1.00	DEVIATION	MO-TE
9/28/2007	330.00	1.00	DEVIATION	MO-TE
10/20/2007	367.00	0.69	MWD	Scientific Drilling
10/20/2007	428.00	0.87	MWD	Scientific Drilling
10/20/2007	490.00	1.97	MWD	Scientific Drilling
10/20/2007	551.00	3.23	MWD	Scientific Drilling
10/20/2007	613.00	4.67	MWD	Scientific Drilling
10/20/2007	674.00	5.66	MWD	Scientific Drilling
10/20/2007	736.00	7.03	MWD	Scientific Drilling
10/20/2007	799.00	8.66	MWD	Scientific Drilling
10/20/2007	860.00	10.29	MWD	Scientific Drilling
10/20/2007	922.00	11.78	MWD	Scientific Drilling
10/20/2007	985.00	13.06	MWD	Scientific Drilling
10/20/2007	1,047.00	14.93	MWD	Scientific Drilling
10/20/2007	1,111.00	16.45	MWD	Scientific Drilling
10/20/2007	1,175.00	18.57	MWD	Scientific Drilling
10/20/2007	1,239.00	19.96	MWD	Scientific Drilling
10/20/2007	1,303.00	20.55	MWD	Scientific Drilling
10/20/2007	1,366.00	20.99	MWD	Scientific Drilling
10/20/2007	1,430.00	21.18	MWD	Scientific Drilling
10/20/2007	1,494.00	21.99	MWD	Scientific Drilling
10/20/2007	1,558.00	22.16	MWD	Scientific Drilling
10/20/2007	1,622.00	22.00	MWD	Scientific Drilling
10/20/2007	1,685.00	21.66	MWD	Scientific Drilling
10/20/2007	1,749.00	21.44	MWD	Scientific Drilling
10/20/2007	1,813.00	21.25	MWD	Scientific Drilling
10/20/2007	1,877.00	20.85	MWD	Scientific Drilling
10/20/2007	1,940.00	20.92	MWD	Scientific Drilling
10/20/2007	2,004.00	20.90	MWD	Scientific Drilling
10/20/2007	2,068.00	20.87	MWD	Scientific Drilling
10/20/2007	2,132.00	20.83	MWD	Scientific Drilling
10/20/2007	2,195.00	20.11	MWD	Scientific Drilling
10/20/2007	2,259.00	19.66	MWD	Scientific Drilling
10/20/2007	2,323.00	20.53	MWD	Scientific Drilling

I, the undersigned, certify that I acting in my capacity as _____ 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.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____