

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 JAN 22 '08

☐ AMENDED REPORT
OIL CONS. DIV.

As detailed plat

WELL LOCATION AND ACREAGE DEDICATION PLAT

DIST. 3

API Number 30-039-30228		Pool Code 72319 / 71599		Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
Property Code 31739		Property Name SAN JUAN 28-7 UNIT		Well Number 2216	
GRID No 217817		Operator Name CONOCOPHILLIPS COMPANY		Elevation 6208'	

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
J	25	28N	7W		2020	SOUTH	1790	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
H	25	28N	7W		2527'	NORTH	772'	EAST	RIO ARriba

Dedicated Acres 320.0 Acres - (E/2)					Joint or Infill	Consolidation Code	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

	16 5280.00' 5280.00' 25 LEASE SF-079290-B BOTTOM-HOLE LOCATION LAT: 36°37.9600' N LONG: 107°31.0520' W DATUM: NAD27 772' 1790' 2640.00' LEASE SF-079294 2640.00' 5280.00' 2020' 1356.4' N56°17.5'E SURFACE LOCATION LAT: 36°37.8366' N LONG: 107°31.2832' W DATUM: NAD83	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. <i>Shonda Rogers</i> 1-15-08 Signature Date <i>Shonda Rogers</i> 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. 11/29/06 Date of Survey Signature and Seal of Professional Surveyor: <i>Jason Edwards</i> 15269 Certificate Number
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ConocoPhillips

COP Deviation Report
SAN JUAN 28-7 UNIT #221G

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/15/2007	2,485.00	26.24	MWD	Scientific Drilling
8/15/2007	2,549.00	25.77	MWD	Scientific Drilling
8/15/2007	2,613.00	26.27	MWD	Scientific Drilling
8/15/2007	2,677.00	26.74	MWD	Scientific Drilling
8/15/2007	2,740.00	24.85	MWD	Scientific Drilling
8/15/2007	2,804.00	23.56	MWD	Scientific Drilling
8/15/2007	2,868.00	22.54	MWD	Scientific Drilling
8/15/2007	2,932.00	22.85	MWD	Scientific Drilling
8/15/2007	2,996.00	22.86	MWD	Scientific Drilling
8/15/2007	3,059.00	23.11	MWD	Scientific Drilling
8/15/2007	3,123.00	23.12	MWD	Scientific Drilling
8/15/2007	3,187.00	25.35	MWD	Scientific Drilling
8/15/2007	3,251.00	25.51	MWD	Scientific Drilling
8/15/2007	3,314.00	24.38	MWD	Scientific Drilling
8/15/2007	3,378.00	22.70	MWD	Scientific Drilling
8/15/2007	3,442.00	20.20	MWD	Scientific Drilling
8/15/2007	3,506.00	18.41	MWD	Scientific Drilling
8/15/2007	3,570.00	16.19	MWD	Scientific Drilling
8/16/2007	3,634.00	14.42	MWD	Scientific Drilling
8/16/2007	3,697.00	12.61	MWD	Scientific Drilling
8/16/2007	3,761.00	10.49	MWD	Scientific Drilling
8/16/2007	3,825.00	9.83	MWD	Scientific Drilling
8/16/2007	3,889.00	9.00	MWD	Scientific Drilling
8/16/2007	3,953.00	7.68	MWD	Scientific Drilling
8/16/2007	4,017.00	5.02	MWD	Scientific Drilling
8/16/2007	4,080.00	3.41	MWD	Scientific Drilling
8/16/2007	4,144.00	2.48	MWD	Scientific Drilling
8/16/2007	4,176.00	1.99	MWD	Scientific Drilling
8/16/2007	4,230.00	1.16	MWD	Scientific Drilling
8/29/2007	7,619.00	0.75	FINAL BHS	PHOENIX

RCVD JAN 22 '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.

Subscribed and sworn to me this 1-14-08

Charles S. Coogan

Notary Public in and for San Juan County, New Mexico

My Commission expires January 10, 2011



COP Deviation Report
SAN JUAN 28-7 UNIT #221G

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 28-7 UNIT #221G	API / UWI 3003930228	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location SEC:25;TWN:028N;RNG:007W	N/S Dist (ft) 2,020.00	N/S Ref FSL	E/W Dist (ft) 1,790.00	E/W Ref FEL

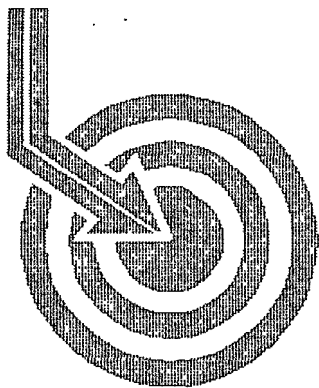
Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
8/13/2007	250.00	0.25	Incl	RIG	
	275.00	0.35	MWD	Scientific Drilling	
8/14/2007	337.00	0.36	MWD	Scientific Drilling	
8/14/2007	397.00	1.44	MWD	Scientific Drilling	
8/14/2007	458.00	3.07	MWD	Scientific Drilling	
8/14/2007	519.00	4.86	MWD	Scientific Drilling	
8/14/2007	580.00	6.21	MWD	Scientific Drilling	
8/14/2007	640.00	8.33	MWD	Scientific Drilling	
8/14/2007	701.00	9.79	MWD	Scientific Drilling	
8/14/2007	765.00	12.21	MWD	Scientific Drilling	
8/14/2007	829.00	13.87	MWD	Scientific Drilling	
8/14/2007	892.00	15.00	MWD	Scientific Drilling	
8/14/2007	956.00	16.73	MWD	Scientific Drilling	
8/14/2007	1,020.00	18.61	MWD	Scientific Drilling	
8/14/2007	1,084.00	20.75	MWD	Scientific Drilling	
8/14/2007	1,147.00	22.56	MWD	Scientific Drilling	
8/14/2007	1,211.00	24.22	MWD	Scientific Drilling	
8/14/2007	1,275.00	24.59	MWD	Scientific Drilling	
8/14/2007	1,339.00	25.22	MWD	Scientific Drilling	
8/14/2007	1,403.00	26.02	MWD	Scientific Drilling	
8/14/2007	1,466.00	25.66	MWD	Scientific Drilling	
8/15/2007	1,530.00	26.38	MWD	Scientific Drilling	
8/15/2007	1,594.00	26.79	MWD	Scientific Drilling	
8/15/2007	1,658.00	26.29	MWD	Scientific Drilling	
8/15/2007	1,722.00	26.54	MWD	Scientific Drilling	
8/15/2007	1,785.00	26.91	MWD	Scientific Drilling	
8/15/2007	1,849.00	25.95	MWD	Scientific Drilling	
8/15/2007	1,913.00	25.66	MWD	Scientific Drilling	
8/15/2007	1,977.00	25.35	MWD	Scientific Drilling	
8/15/2007	2,041.00	24.38	MWD	Scientific Drilling	
8/15/2007	2,104.00	24.66	MWD	Scientific Drilling	
8/15/2007	2,168.00	25.56	MWD	Scientific Drilling	
8/15/2007	2,232.00	25.08	MWD	Scientific Drilling	
8/15/2007	2,296.00	25.03	MWD	Scientific Drilling	
8/15/2007	2,358.00	26.54	MWD	Scientific Drilling	
8/15/2007	2,422.00	26.43	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 _____



Scientific Drilling

CONOCOPHILLIPS

Field: San Juan
Site: San Juan County, NM
Well: San Juan 28-7 #221G
Wellpath: DH - Job #33D0807688
Survey: 08/13/07-08/16/07

H, 28-08

RCUD JAN 22 '08

OIL CONS. DIV.

DIST. 3

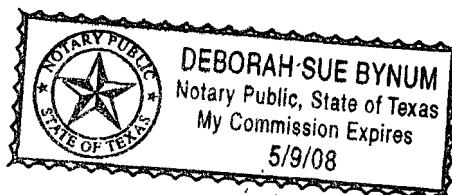
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Chen*.....Company Representative

Notorized this date 25th of September, 2007.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: CONOCOPHILLIPS	Date: 09/22/2007	Time: 08:22:34	Page: 1
Field: San Juan	Co-ordinate(NE) Reference:	Site: San Juan County, NM, Grid North	
Site: San Juan County, NM	Vertical (TVD) Reference:	SITE: 0.0	
Well: San Juan 28-7 #221G	Section (VS) Reference:	Well: (0.00N,0.00E,55.31Azi)	
Wellpath: DH - Job #33D0807688	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 08/13/07-08/16/07	Start Date: 08/13/2007
Company: Scientific Drilling Internatio	Engineer: Vestal/Gillespie/Kelly/Blosser
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
275.00	0.35	237.79	275.00	-0.84	-0.45	-0.71	0.13	0.84	237.79
337.00	0.36	121.98	337.00	-0.95	-0.65	-0.71	0.97	0.96	227.27
397.00	1.44	76.67	396.99	-0.17	-0.58	0.19	2.02	0.61	161.99
458.00	3.07	61.10	457.94	2.16	0.39	2.36	2.83	2.40	80.67
519.00	4.86	58.58	518.79	6.37	2.53	6.00	2.95	6.51	67.17
580.00	6.21	61.55	579.51	12.23	5.44	11.11	2.26	12.37	63.89
640.00	8.33	62.48	639.02	19.77	9.00	17.81	3.54	19.96	63.20
701.00	9.79	65.07	699.26	29.26	13.23	26.44	2.48	29.56	63.42
765.00	12.21	58.96	762.08	41.38	19.01	37.17	4.19	41.75	62.91
829.00	13.87	55.49	824.43	55.81	26.85	49.29	2.87	56.13	61.42
892.00	15.00	53.98	885.44	71.51	35.92	62.11	1.89	71.75	59.96
956.00	16.73	51.80	947.00	88.99	46.49	76.05	2.86	89.13	58.56
1020.00	18.61	52.75	1007.98	108.39	58.37	91.42	2.97	108.46	57.44
1084.00	20.75	53.46	1068.24	129.92	71.30	108.66	3.36	129.96	56.73
1147.00	22.56	54.42	1126.79	153.16	84.98	127.45	2.93	153.18	56.31
1211.00	24.22	55.07	1185.53	178.57	99.64	148.20	2.62	178.58	56.09
1275.00	24.59	55.57	1243.81	205.01	114.68	169.95	0.66	205.02	55.99
1339.00	25.22	55.46	1301.86	231.96	129.94	192.16	0.99	231.97	55.93
1403.00	26.02	54.96	1359.56	259.63	145.73	214.89	1.29	259.65	55.86
1466.00	25.66	54.16	1416.26	287.09	161.65	237.26	0.80	287.10	55.73
1530.00	26.38	54.03	1473.78	315.16	178.12	260.00	1.13	315.16	55.59
1594.00	26.79	54.37	1531.01	343.80	194.87	283.23	0.68	343.80	55.47
1658.00	26.29	54.29	1588.27	372.39	211.55	306.46	0.78	372.39	55.38
1722.00	26.54	54.00	1645.58	400.85	228.23	329.54	0.44	400.85	55.30
1785.00	26.91	53.55	1701.85	429.17	244.97	352.39	0.67	429.18	55.19
1849.00	25.95	52.54	1759.16	457.64	262.09	375.16	1.66	457.64	55.06
1913.00	25.66	51.86	1816.78	485.46	279.16	397.17	0.65	485.47	54.90
1977.00	25.35	51.47	1874.54	512.96	296.26	418.79	0.55	512.98	54.72
2041.00	24.38	55.51	1932.62	539.84	312.27	440.40	3.06	539.87	54.66
2104.00	24.66	55.54	1989.93	565.99	327.07	461.95	0.44	566.02	54.70
2168.00	25.56	55.42	2047.88	593.14	342.46	484.33	1.41	593.17	54.74
2232.00	25.08	53.98	2105.74	620.51	358.28	506.67	1.22	620.54	54.73
2296.00	25.03	54.91	2163.71	647.61	374.04	528.72	0.62	647.64	54.72
2358.00	26.54	57.15	2219.54	674.57	389.09	551.09	2.90	674.60	54.78
2422.00	26.43	56.60	2276.82	703.10	404.69	574.99	0.42	703.13	54.86
2485.00	26.24	55.61	2333.29	731.05	420.27	598.19	0.76	731.07	54.91
2549.00	25.77	54.47	2390.81	759.11	436.35	621.18	1.07	759.13	54.91
2613.00	26.27	53.12	2448.32	787.17	452.93	643.84	1.21	787.19	54.87
2677.00	26.74	53.73	2505.59	815.72	469.95	666.77	0.85	815.75	54.82
2740.00	24.85	52.29	2562.31	843.11	486.44	688.68	3.16	843.14	54.77
2804.00	23.56	51.77	2620.69	869.30	502.58	709.36	2.04	869.36	54.68
2868.00	22.54	52.33	2679.58	894.32	517.99	729.12	1.63	894.39	54.61
2932.00	22.85	53.69	2738.62	918.99	532.84	748.84	0.95	919.07	54.57
2996.00	22.86	53.90	2797.60	943.84	547.53	768.90	0.13	943.92	54.55
3059.00	23.11	53.74	2855.59	968.43	562.05	788.76	0.41	968.52	54.53
3123.00	23.12	54.11	2914.46	993.55	576.84	809.07	0.23	993.65	54.51
3187.00	25.35	54.55	2972.81	1019.82	592.16	830.41	3.50	1019.92	54.51
3251.00	25.51	56.02	3030.61	1047.30	607.81	853.00	1.02	1047.39	54.53



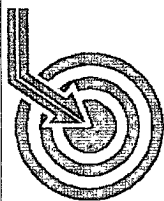
Scientific Drilling International Survey Report

Company: CONOCOPHILLIPS
Field: San Juan
Site: San Juan County, NM
Well: San Juan 28-7 #221G
Wellpath: DH Job #33D0807688

Date: 09/22/2007 Time: 08:22:34 Page: 2
Co-ordinate(NE) Reference: Site: San Juan County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,55.31Azi)
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
3314.00	24.38	55.95	3087.73	1073.86	622.67	875.02	1.79	1073.95	54.56
3378.00	22.70	55.04	3146.41	1099.42	637.14	896.09	2.69	1099.51	54.59
3442.00	20.20	54.54	3205.97	1122.82	650.63	915.21	3.92	1122.91	54.59
3506.00	18.41	54.02	3266.37	1143.98	662.98	932.39	2.81	1144.07	54.59
3570.00	16.19	51.94	3327.47	1162.99	674.42	947.60	3.60	1163.09	54.56
3634.00	14.42	51.82	3389.20	1179.85	684.85	960.89	2.77	1179.96	54.52
3697.00	12.61	50.95	3450.45	1194.54	694.03	972.39	2.89	1194.67	54.48
3761.00	10.49	49.80	3513.15	1207.31	702.19	982.27	3.33	1207.45	54.44
3825.00	9.83	48.37	3576.15	1218.53	709.58	990.80	1.10	1218.69	54.39
3889.00	9.00	51.27	3639.28	1228.95	716.34	998.79	1.49	1229.12	54.35
3953.00	7.68	49.49	3702.61	1238.20	722.25	1005.95	2.10	1238.38	54.32
4017.00	5.02	44.59	3766.21	1245.20	727.03	1011.17	4.24	1245.40	54.28
4080.00	3.41	46.69	3829.04	1249.76	730.27	1014.47	2.57	1249.98	54.25
4144.00	2.48	49.26	3892.95	1253.02	732.48	1016.90	1.47	1253.24	54.23
4176.00	1.99	52.31	3924.93	1254.27	733.27	1017.86	1.58	1254.49	54.23



Scientific
Drilling

Field: San Juan
Site: San Juan County, NM
Well: San Juan 28-7 #221G
Wellpath: DH - Job #33D0807688
Survey: 08/13/07-08/16/07

