

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

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-34093		2 Pool Code 72319/71599		3 Pool Name MESAVERDE / DAKOTA	
4 Property Code 31330		5 Property Name SAN JUAN 32-8 UNIT			6 Well Number 29
7 OGRID 217817		8 Operator Name CONOCOPHILLIPS COMPANY			9 Elevation 6660

10 SURFACE LOCATION

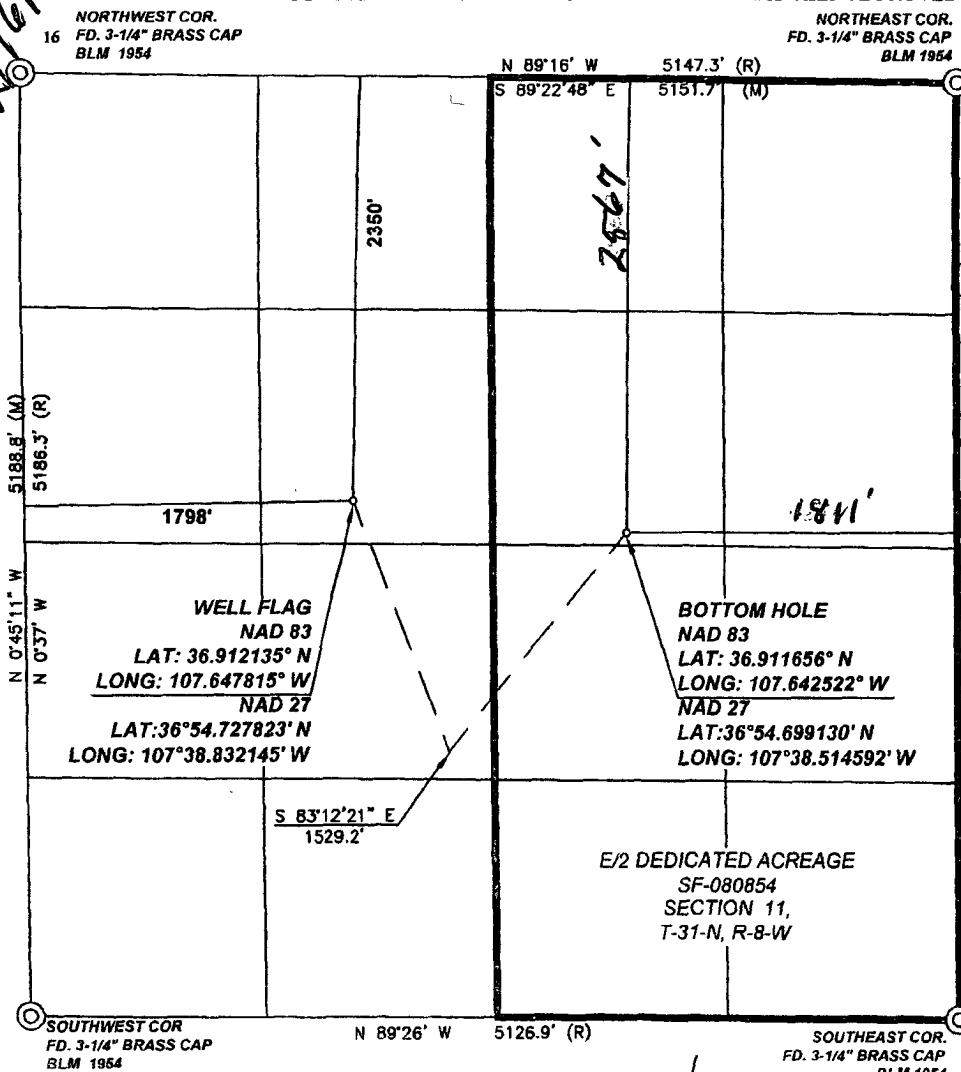
UL or lot no. F	Section 11	Township 31-N	Range 8-W	Lot Idn	Feet from the 2350	North/South line NORTH	Feet from the 1798	East/West line WEST	County SAN JUAN
---------------------------	----------------------	-------------------------	---------------------	---------	------------------------------	----------------------------------	------------------------------	-------------------------------	---------------------------

11 Bottom Hole Location If Different From Surface

UL or lot no. G	Section 11	Township 31-N	Range 8-W	Lot Idn	Feet from the 2567	North/South line NORTH	Feet from the 1811	East/West line EAST	County SAN JUAN
---------------------------	----------------------	-------------------------	---------------------	---------	------------------------------	----------------------------------	------------------------------	-------------------------------	---------------------------

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 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, 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 state.

Signature

Printed Name

Regulatory Technician

Title and E-mail Address

Date

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: 5/30/07

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

86 12/17



Hathaway Burnham Navigational LLC
DIRECTIONAL AND MWD SERVICES

August 6, 2008

Ms. Geneva Blackwater
P.O. Box 4289
Farmington, NM 87499



RE: Final Notarized Survey's Well San Juan 32-8 #29

Dear Ms. Blackwater,

Please find the enclosed final surveys for well San Juan 32-8 #29. I herby Certify to the best of my knowledge these surveys are true and correct.

Sincerely,

A handwritten signature in black ink, appearing to be 'Taryn Lambert', written in a cursive style.

Taryn Lambert
Hathaway Burnham Navigational LLC

Job Number: NM08401

State/Country: NEW MEXICO/USA

Company: BURLINGTON RESOURCES

Declination: 10.21

Lease/Well: SJ 32-8 #29

Grid: []

Location: SECTION 11

File name: C:\WINSERVE\NM08401.SVY

Rig Name: H&P #281

Date/Time: 06-Aug-08 / 10:11

RKB: []

Curve Name: AS DRILLED

G.L. or M.S.L.: []

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 98.34
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
377.00	2.10	106.00	376.92	-1.90	6.64	6.85	6.91	106.00	.56
468.00	2.50	90.70	467.84	-2.39	10.23	10.47	10.50	103.14	.80
562.00	2.90	94.60	561.74	-2.60	14.65	14.87	14.88	100.08	.47
652.00	4.00	100.50	651.57	-3.36	20.00	20.28	20.28	99.53	1.28
745.00	5.40	98.50	744.26	-4.60	27.52	27.90	27.90	99.48	1.52
840.00	7.10	93.60	838.69	-5.63	37.80	38.22	38.22	98.46	1.87
936.00	8.00	92.30	933.86	-6.27	50.40	50.78	50.79	97.09	.95
1031.00	9.70	89.90	1027.72	-6.52	65.01	65.27	65.34	95.73	1.83
1126.00	10.90	90.60	1121.19	-6.60	81.99	82.08	82.26	94.60	1.27
1220.00	12.80	88.40	1213.18	-6.40	101.29	101.15	101.49	93.62	2.08
1252.00	13.60	88.80	1244.34	-6.22	108.60	108.35	108.78	93.28	2.52
1283.00	14.20	89.50	1274.43	-6.11	116.04	115.70	116.20	93.02	2.01
1315.00	15.30	89.80	1305.38	-6.06	124.19	123.76	124.34	92.80	3.45
1347.00	16.30	89.80	1336.17	-6.03	132.90	132.37	133.04	92.60	3.13
1378.00	17.10	88.90	1365.86	-5.93	141.81	141.17	141.93	92.39	2.71
1410.00	17.80	91.10	1396.39	-5.93	151.40	150.66	151.52	92.24	3.01
1442.00	18.10	93.60	1426.83	-6.34	161.26	160.47	161.38	92.25	2.58
1474.00	19.10	94.60	1457.16	-7.07	171.44	170.65	171.58	92.36	3.28
1505.00	20.20	93.80	1486.35	-7.83	181.83	181.05	182.00	92.47	3.65
1537.00	21.10	95.10	1516.30	-8.71	193.08	192.30	193.28	92.58	3.16
1569.00	22.00	95.10	1546.06	-9.76	204.79	204.04	205.02	92.73	2.81
1601.00	22.50	97.00	1575.68	-11.04	216.84	216.14	217.12	92.91	2.74
1632.00	23.30	97.20	1604.23	-12.53	228.81	228.20	229.15	93.13	2.59

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E Distance FT	Direction Deg	Dogleg Severity Deg/100
1664.00	24.30	96.60	1633.51	-14.08	241.63	241.11	242.04	93.33	3.22
1695.00	25.10	96.70	1661.67	-15.58	254.49	254.06	254.97	93.50	2.58
1727.00	26.10	97.40	1690.53	-17.28	268.22	267.88	268.77	93.69	3.26
1759.00	26.50	97.50	1719.22	-19.11	282.27	282.06	282.92	93.87	1.26
1791.00	27.30	98.20	1747.76	-21.09	296.62	296.54	297.36	94.07	2.69
1823.00	28.00	98.00	1776.10	-23.19	311.32	311.39	312.18	94.26	2.21
1854.00	28.40	99.50	1803.42	-25.41	325.79	326.04	326.78	94.46	2.63
1886.00	29.10	98.60	1831.48	-27.83	340.99	341.43	342.13	94.67	2.57
1918.00	29.50	100.00	1859.39	-30.37	356.45	357.08	357.74	94.87	2.48
1950.00	29.90	100.20	1887.18	-33.15	372.06	372.93	373.53	95.09	1.29
1981.00	30.20	100.20	1914.02	-35.90	387.33	388.45	388.99	95.29	.97
2013.00	30.20	100.20	1941.67	-38.75	403.18	404.53	405.03	95.49	.00
2045.00	30.20	99.50	1969.33	-41.50	419.04	420.62	421.09	95.66	1.10
2077.00	29.90	100.20	1997.03	-44.24	434.82	436.64	437.07	95.81	1.44
2108.00	30.00	99.20	2023.89	-46.85	450.08	452.11	452.51	95.94	1.64
2140.00	29.70	98.80	2051.64	-49.34	465.81	468.04	468.42	96.05	1.13
2172.00	29.80	99.40	2079.43	-51.85	481.49	483.92	484.27	96.15	.98
2204.00	30.00	99.20	2107.17	-54.43	497.23	499.87	500.20	96.25	.70
2236.00	30.10	98.30	2134.87	-56.87	513.07	515.89	516.21	96.32	1.44
2268.00	31.10	97.40	2162.41	-59.09	529.20	532.18	532.49	96.37	3.44
2299.00	30.40	96.50	2189.05	-61.01	544.94	548.02	548.34	96.39	2.70
2331.00	27.90	96.80	2217.00	-62.81	560.42	563.60	563.93	96.40	7.83
2362.00	27.30	97.40	2244.47	-64.59	574.67	577.96	578.29	96.41	2.13
2394.00	26.60	97.10	2272.99	-66.42	589.06	592.46	592.79	96.43	2.23
2425.00	25.70	97.60	2300.82	-68.16	602.61	606.12	606.45	96.45	2.99
2457.00	24.50	96.10	2329.80	-69.79	616.08	619.69	620.02	96.46	4.24
2552.00	23.60	96.50	2416.55	-74.03	654.56	658.38	658.74	96.45	.96
2648.00	26.48	99.00	2503.52	-79.56	694.81	699.00	699.35	96.53	3.20
2744.00	26.20	99.40	2589.55	-86.37	736.85	741.59	741.90	96.69	.35
2839.00	26.10	99.90	2674.83	-93.38	778.13	783.45	783.71	96.84	.25
2934.00	25.60	99.30	2760.32	-100.29	818.97	824.86	825.09	96.98	.59
3029.00	24.80	98.80	2846.28	-106.66	858.91	865.30	865.51	97.08	.87
3125.00	24.70	97.00	2933.46	-112.18	898.72	905.49	905.69	97.12	.79
3220.00	23.30	96.80	3020.25	-116.83	937.08	944.11	944.33	97.11	1.48
3315.00	23.30	95.60	3107.50	-120.89	974.43	981.66	981.90	97.07	.50
3379.00	23.30	97.60	3166.28	-123.79	999.58	1006.96	1007.21	97.06	1.24
3442.00	20.30	101.30	3224.77	-127.59	1022.65	1030.34	1030.58	97.11	5.24
3474.00	19.20	103.00	3254.89	-129.86	1033.22	1041.13	1041.35	97.16	3.88
3506.00	19.40	103.80	3285.09	-132.31	1043.51	1051.66	1051.86	97.23	1.04
3537.00	19.80	104.20	3314.30	-134.82	1053.60	1062.01	1062.19	97.29	1.36
3569.00	20.30	104.10	3344.36	-137.51	1064.24	1072.93	1073.08	97.36	1.57
3601.00	20.90	103.70	3374.31	-140.21	1075.17	1084.13	1084.27	97.43	1.93
3633.00	20.70	103.70	3404.22	-142.90	1086.21	1095.45	1095.57	97.49	.62

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
3664.00	21.10	103.10	3433.19	-145.46	1096.96	1106.46	1106.57	97.55	1.46
3696.00	22.10	101.20	3462.94	-147.94	1108.48	1118.22	1118.31	97.60	3.81
3728.00	23.10	100.00	3492.48	-150.20	1120.57	1130.50	1130.59	97.63	3.44
3760.00	24.00	100.00	3521.82	-152.42	1133.16	1143.28	1143.36	97.66	2.81
3791.00	24.60	99.30	3550.07	-154.56	1145.73	1156.04	1156.11	97.68	2.15
3823.00	25.20	99.20	3579.09	-156.72	1159.03	1169.51	1169.58	97.70	1.88
3855.00	25.90	99.40	3607.96	-158.95	1172.65	1183.31	1183.38	97.72	2.20
3886.00	26.60	99.20	3635.77	-161.17	1186.18	1197.02	1197.08	97.74	2.28
3918.00	27.40	99.50	3664.28	-163.53	1200.52	1211.54	1211.60	97.76	2.54
3950.00	28.50	99.20	3692.55	-165.96	1215.32	1226.54	1226.60	97.78	3.47
3982.00	29.00	99.30	3720.60	-168.44	1230.51	1241.93	1241.98	97.79	1.57
4013.00	28.70	99.70	3747.75	-170.91	1245.26	1256.88	1256.93	97.81	1.15
4045.00	28.60	99.90	3775.84	-173.52	1260.38	1272.22	1272.27	97.84	.43
4077.00	28.40	99.80	3803.96	-176.13	1275.42	1287.48	1287.53	97.86	.64
4109.00	28.00	100.00	3832.16	-178.73	1290.32	1302.60	1302.64	97.89	1.28
4140.00	27.70	100.10	3859.57	-181.26	1304.58	1317.07	1317.11	97.91	.98
4172.00	26.90	99.80	3888.00	-183.79	1319.04	1331.75	1331.78	97.93	2.54
4204.00	26.90	99.10	3916.54	-186.17	1333.32	1346.22	1346.25	97.95	.99
4236.00	26.60	99.40	3945.12	-188.49	1347.53	1360.62	1360.65	97.96	1.03
4267.00	26.50	100.60	3972.85	-190.89	1361.18	1374.47	1374.50	97.98	1.76
4331.00	24.30	99.80	4030.66	-195.76	1388.19	1401.91	1401.93	98.03	3.48
4395.00	22.80	99.40	4089.33	-200.03	1413.40	1427.47	1427.49	98.06	2.36
4458.00	20.70	98.30	4147.84	-203.63	1436.47	1450.81	1450.83	98.07	3.40
4521.00	18.00	95.60	4207.28	-206.19	1457.18	1471.67	1471.69	98.05	4.51
4585.00	15.90	95.20	4268.49	-207.95	1475.75	1490.31	1490.33	98.02	3.29
4649.00	13.20	94.40	4330.43	-209.30	1491.77	1506.35	1506.38	97.99	4.23
4712.00	11.10	95.30	4392.02	-210.41	1504.98	1519.59	1519.62	97.96	3.35
4775.00	8.70	101.10	4454.08	-211.89	1515.70	1530.40	1530.44	97.96	4.12
4838.00	6.50	102.40	4516.52	-213.57	1523.86	1538.72	1538.75	97.98	3.50
4902.00	5.10	99.50	4580.19	-214.82	1530.20	1545.18	1545.21	97.99	2.23
4965.00	4.20	91.60	4642.98	-215.35	1535.27	1550.27	1550.30	97.98	1.75
5028.00	2.60	100.80	4705.87	-215.68	1538.98	1553.99	1554.02	97.98	2.68
projection									
5149.00	1.74	100.80	4826.78	-216.54	1543.48	1558.57	1558.60	97.99	.71

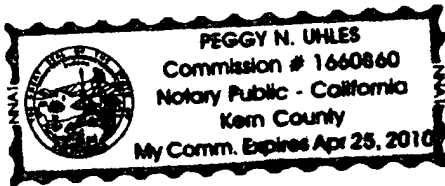
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of KERN

On AUGUST 11, 2008 before me, PEGGY N. UHLES, NOTARY PUBLIC

personally appeared TARYN LAMBERT



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Peggy N. Uhles

Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here



COP Deviation Report

SAN JUAN 32-8 UNIT #29

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 32-8 UNIT #29	API / UWI 3004534093	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 011-031N-008W-F	N/S Dist (ft) 2,298.00	N/S Ref FNL	E/W Dist (ft) 1,805.00	E/W Ref FWL

Survey Data

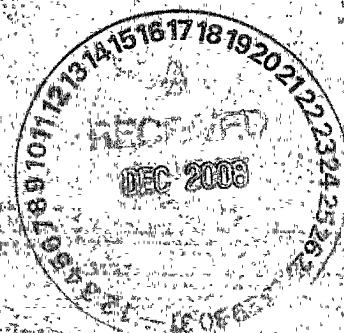
Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/6/2008	0.00	0.00	MWD	HATHAWAY & BURNAM
7/31/2008	377.00	2.10	MWD	HATHAWAY & BURNAM
7/31/2008	468.00	2.50	MWD	HATHAWAY & BURNAM
7/31/2008	562.00	2.90	MWD	HATHAWAY & BURNAM
7/31/2008	652.00	4.00	MWD	HATHAWAY & BURNAM
8/1/2008	745.00	5.40	MWD	HATHAWAY & BURNAM
8/1/2008	840.00	7.10	MWD	HATHAWAY & BURNAM
8/1/2008	936.00	8.00	MWD	HATHAWAY & BURNAM
8/1/2008	1,031.00	9.70	MWD	HATHAWAY & BURNAM
8/1/2008	1,126.00	10.90	MWD	HATHAWAY & BURNAM
8/1/2008	1,220.00	12.80	MWD	HATHAWAY & BURNAM
8/1/2008	1,252.00	13.60	MWD	HATHAWAY & BURNAM
8/1/2008	1,283.00	14.20	MWD	HATHAWAY & BURNAM
8/1/2008	1,315.00	15.30	MWD	HATHAWAY & BURNAM
8/1/2008	1,347.00	16.30	MWD	HATHAWAY & BURNAM
8/1/2008	1,378.00	17.10	MWD	HATHAWAY & BURNAM
8/1/2008	1,410.00	17.80	MWD	HATHAWAY & BURNAM
8/1/2008	1,442.00	18.10	MWD	HATHAWAY & BURNAM
8/1/2008	1,474.00	19.10	MWD	HATHAWAY & BURNAM
8/1/2008	1,505.00	20.20	MWD	HATHAWAY & BURNAM
8/1/2008	1,537.00	21.10	MWD	HATHAWAY & BURNAM
8/1/2008	1,569.00	22.00	MWD	HATHAWAY & BURNAM
8/1/2008	1,601.00	22.50	MWD	HATHAWAY & BURNAM
8/1/2008	1,632.00	23.30	MWD	HATHAWAY & BURNAM
8/1/2008	1,664.00	24.30	MWD	HATHAWAY & BURNAM
8/1/2008	1,695.00	25.10	MWD	HATHAWAY & BURNAM
8/1/2008	1,727.00	26.10	MWD	HATHAWAY & BURNAM
8/1/2008	1,759.00	26.50	MWD	HATHAWAY & BURNAM
8/1/2008	1,791.00	27.30	MWD	HATHAWAY & BURNAM
8/1/2008	1,823.00	28.00	MWD	HATHAWAY & BURNAM
8/1/2008	1,854.00	28.40	MWD	HATHAWAY & BURNAM
8/1/2008	1,886.00	29.10	MWD	HATHAWAY & BURNAM
8/1/2008	1,918.00	29.50	MWD	HATHAWAY & BURNAM
8/1/2008	1,950.00	29.90	MWD	HATHAWAY & BURNAM
8/1/2008	1,981.00	30.20	MWD	HATHAWAY & BURNAM
8/1/2008	2,013.00	30.20	MWD	HATHAWAY & BURNAM

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 _____





COP Deviation Report
SAN JUAN 32-8 UNIT #29

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
7/30/2008	2,045.00	30.20	MWD	HATHAWAY & BURNAM
8/1/2008	2,077.00	29.90	MWD	HATHAWAY & BURNAM
8/2/2008	2,108.00	30.00	MWD	HATHAWAY & BURNAM
8/2/2008	2,140.00	29.70	MWD	HATHAWAY & BURNAM
8/2/2008	2,172.00	29.80	MWD	HATHAWAY & BURNAM
8/2/2008	2,204.00	30.00	MWD	HATHAWAY & BURNAM
8/2/2008	2,236.00	30.10	MWD	HATHAWAY & BURNAM
8/2/2008	2,268.00	31.10	MWD	HATHAWAY & BURNAM
8/2/2008	2,299.00	30.40	MWD	HATHAWAY & BURNAM
8/3/2008	2,331.00	27.90	MWD	HATHAWAY & BURNAM
8/3/2008	2,362.00	27.30	MWD	HATHAWAY & BURNAM
8/3/2008	2,394.00	26.60	MWD	HATHAWAY & BURNAM
8/3/2008	2,425.00	25.70	MWD	HATHAWAY & BURNAM
8/3/2008	2,457.00	24.50	MWD	HATHAWAY & BURNAM
8/3/2008	2,552.00	23.60	MWD	HATHAWAY & BURNAM
8/3/2008	2,648.00	26.48	MWD	HATHAWAY & BURNAM
8/3/2008	2,744.00	26.20	MWD	HATHAWAY & BURNAM
8/3/2008	2,839.00	26.10	MWD	HATHAWAY & BURNAM
8/3/2008	2,934.00	25.60	MWD	HATHAWAY & BURNAM
8/3/2008	3,029.00	24.80	MWD	HATHAWAY & BURNAM
8/3/2008	3,125.00	24.70	MWD	HATHAWAY & BURNAM
8/4/2008	3,220.00	23.30	MWD	HATHAWAY & BURNAM
8/4/2008	3,315.00	23.30	MWD	HATHAWAY & BURNAM
8/4/2008	3,379.00	23.30	MWD	HATHAWAY & BURNAM
8/5/2008	3,442.00	20.30	MWD	HATHAWAY & BURNAM
8/5/2008	3,474.00	19.20	MWD	HATHAWAY & BURNAM
8/5/2008	3,506.00	19.40	MWD	HATHAWAY & BURNAM
8/12/2008	3,537.00	19.80	MWD	HATHAWAY & BURNAM
8/5/2008	3,569.00	20.30	MWD	HATHAWAY & BURNAM
8/5/2008	3,601.00	20.90	MWD	HATHAWAY & BURNAM
8/5/2008	3,633.00	20.70	MWD	HATHAWAY & BURNAM
8/5/2008	3,664.00	21.10	MWD	HATHAWAY & BURNAM
8/5/2008	3,696.00	22.10	MWD	HATHAWAY & BURNAM
8/5/2008	3,728.00	23.10	MWD	HATHAWAY & BURNAM
8/5/2008	3,760.00	24.00	MWD	HATHAWAY & BURNAM
8/5/2008	3,791.00	24.60	MWD	HATHAWAY & BURNAM
8/5/2008	3,823.00	25.20	MWD	HATHAWAY & BURNAM
8/5/2008	3,855.00	25.90	MWD	HATHAWAY & BURNAM
8/5/2008	3,886.00	26.60	MWD	HATHAWAY & BURNAM

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 _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/5/2008	3,918.00	27.40	MWD	HATHAWAY & BURNAM
8/5/2008	3,950.00	28.50	MWD	HATHAWAY & BURNAM
8/5/2008	3,982.00	29.00	MWD	HATHAWAY & BURNAM
8/5/2008	4,013.00	28.70	MWD	HATHAWAY & BURNAM
8/5/2008	4,045.00	28.60	MWD	HATHAWAY & BURNAM
8/5/2008	4,077.00	28.40	MWD	HATHAWAY & BURNAM
8/5/2008	4,109.00	28.00	MWD	HATHAWAY & BURNAM
8/6/2008	4,140.00	27.70	MWD	HATHAWAY & BURNAM
8/6/2008	4,172.00	26.90	MWD	HATHAWAY & BURNAM
8/6/2008	4,204.00	26.90	MWD	HATHAWAY & BURNAM
8/6/2008	4,236.00	26.60	MWD	HATHAWAY & BURNAM
8/6/2008	4,267.00	26.50	MWD	HATHAWAY & BURNAM
8/6/2008	4,331.00	24.30	MWD	HATHAWAY & BURNAM
8/6/2008	4,395.00	22.80	MWD	HATHAWAY & BURNAM
8/6/2008	4,458.00	20.70	MWD	HATHAWAY & BURNAM
8/6/2008	4,521.00	18.00	MWD	HATHAWAY & BURNAM
8/6/2008	4,585.00	15.90	MWD	HATHAWAY & BURNAM
8/6/2008	4,649.00	13.20	MWD	HATHAWAY & BURNAM
8/6/2008	4,712.00	11.10	MWD	HATHAWAY & BURNAM
8/6/2008	4,775.00	8.70	MWD	HATHAWAY & BURNAM
8/6/2008	4,838.00	6.50	MWD	HATHAWAY & BURNAM
8/6/2008	4,902.00	5.10	MWD	HATHAWAY & BURNAM
8/6/2008	4,965.00	4.20	MWD	HATHAWAY & BURNAM
8/18/2008	8,615.00	1.00	TEL	HATHAWAY & BURNAM

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 12-15-08

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires 10-9-12