

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

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 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 - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30319	² Pool Code 72319/71599	³ Pool Name DAKOTA/MESAVERDE
⁴ Property Code 31328	⁵ Property Name SAN JUAN 31-6 UNIT	⁶ Well Number 4P
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6433'

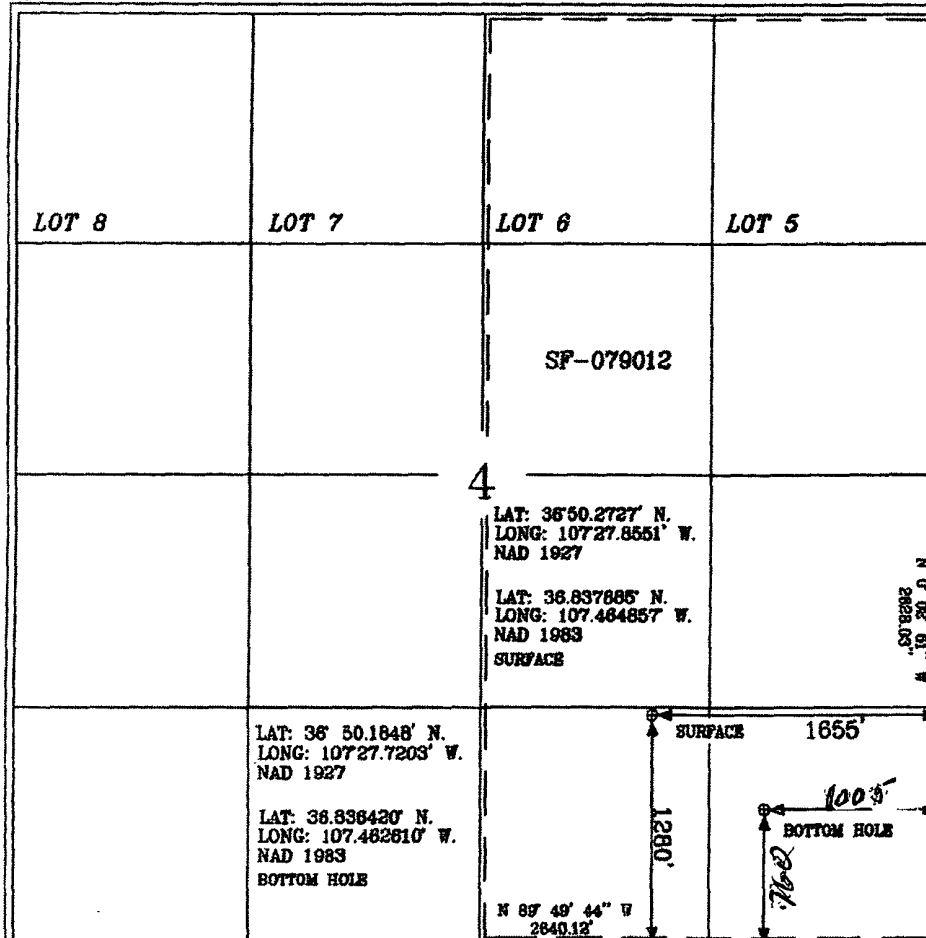
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	4	30-N	6-W		1280'	SOUTH	1655'	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
P	4	30-N	6-W		760	SOUTH	1005	EAST	RIO ARRIBA
¹² Dedicated Acres 320 E/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. RCVD DEC 9 '08 OIL CONS. DIV.		

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 undivided 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 a working interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature

Printed Name

12-5-08

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.

3-7-07
Date of Survey

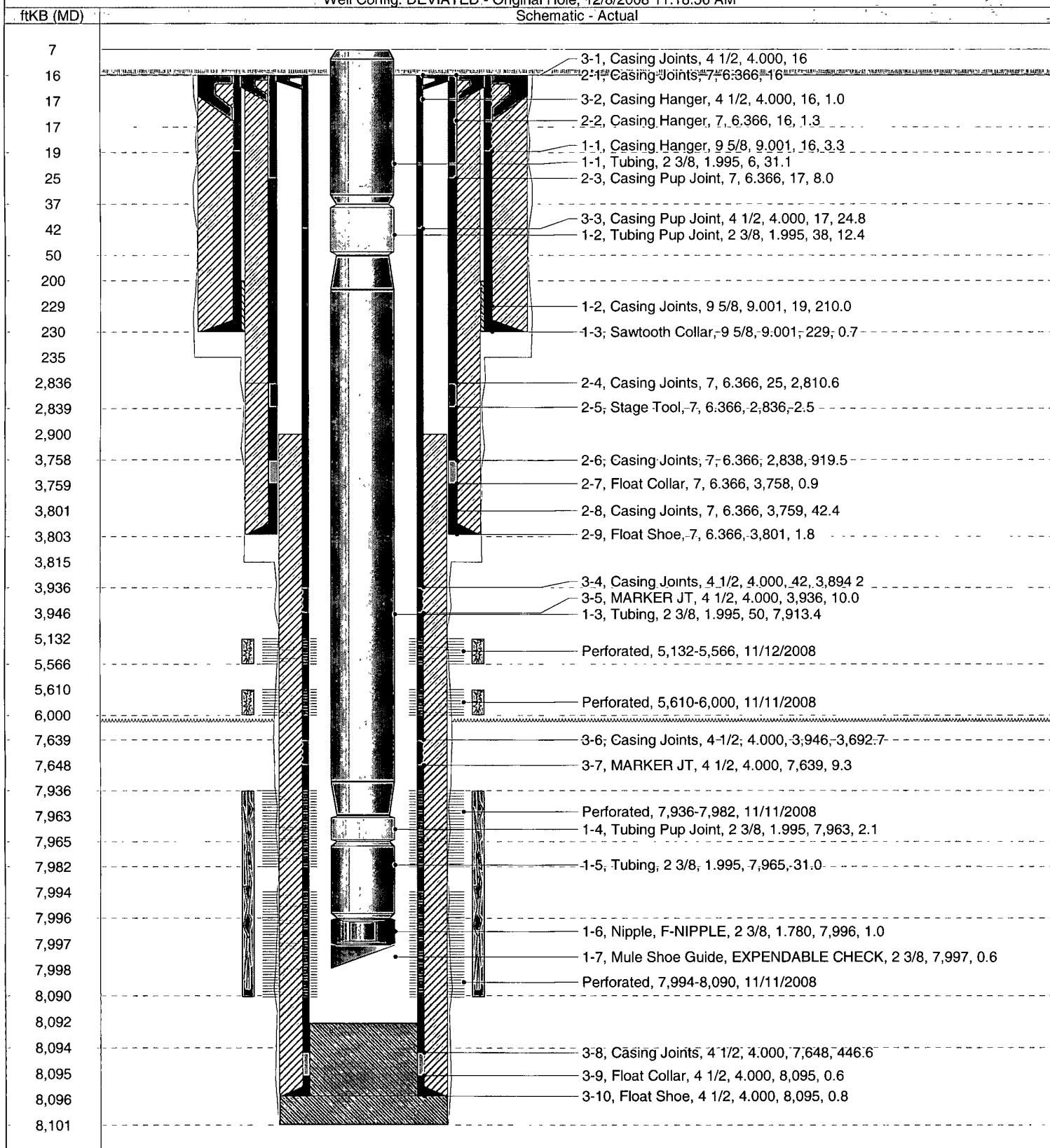
Signature and Seal of Professional Surveyor

15703
15703

B 12/16

District NORTH	Field Name MV/DK COM	API / UWI 3003930319	County RIO ARRIBA	State/Province NEW MEXICO
Original Spud Date 6/26/2008	Surface Legal Location 004-030N-006W-O	East/West Distance (ft) 1,655.00	East/West Reference FEL	North/South Distance (ft) 1,280.00
				North/South Reference FSL

Well Config: DEVIATED - Original Hole, 12/8/2008 11:18:56 AM
Schematic - Actual





COP Deviation Report SAN JUAN 31-6 UNIT #4P

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 31-6 UNIT #4P	API / UWI 3003930319	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 004-030N-006W-O		N/S Dist (ft) 1,280.00	N/S Ref FSL	E/W Dist (ft) 1,655.00
			E/W Ref FEL	

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
6/26/2008	221.00	2.10	Incl	MOTE	
9/28/2008	316.00	1.60	Interp.	HB	
9/28/2008	403.00	1.70	MWD	HB	
9/28/2008	501.00	3.20	MWD	HB	
9/28/2008	594.00	2.70	MWD	HB	
9/28/2008	686.00	3.50	MWD	HB	
9/28/2008	778.00	5.10	MWD	HB	
9/28/2008	869.00	6.20	MWD	HB	
9/28/2008	965.00	8.20	MWD	HB	
9/29/2008	1,060.00	9.80	MWD	HB	
9/29/2008	1,156.00	12.30	MWD	HB	
9/29/2008	1,251.00	14.40	MWD	HB	
9/29/2008	1,347.00	16.30	MWD	HB	
9/29/2008	1,441.00	18.60	MWD	HB	
9/29/2008	1,537.00	20.70	MWD	HB	
9/29/2008	1,632.00	20.20	MWD	HB	
9/29/2008	1,727.00	19.30	MWD	HB	
9/29/2008	1,822.00	18.90	MWD	HB	
9/29/2008	1,917.00	19.30	MWD	HB	
9/29/2008	2,013.00	19.50	MWD	HB	
9/29/2008	2,109.00	20.40	MWD	HB	
9/29/2008	2,204.00	19.50	MWD	HB	
9/29/2008	2,359.00	20.50	MWD	HB	
9/29/2008	2,490.00	19.50	MWD	HB	
9/29/2008	2,585.00	19.70	MWD	HB	
9/29/2008	2,680.00	20.20	MWD	HB	
9/30/2008	2,776.00	20.00	MWD	HB	
9/30/2008	2,838.00	20.40	MWD	HB	
9/30/2008	2,902.00	19.00	MWD	HB	
9/30/2008	3,029.00	16.90	MWD	HB	
9/30/2008	3,125.00	16.20	MWD	HB	
9/30/2008	3,220.00	16.00	MWD	HB	
10/1/2008	3,316.00	13.90	MWD	HB	
10/1/2008	3,411.00	11.10	MWD	HB	
10/1/2008	3,507.00	10.20	MWD	HB	
10/1/2008	3,602.00	7.20	MWD	HB	

RCVD DEC 9 '08
OIL CONS. DIV.
DIST. 3

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
10/1/2008	3,697.00	3.90	MWD	HB
10/1/2008	3,751.00	3.20	MWD	HB
10/1/2008	3,815.00	2.30	MWD	HB Projection
10/8/2008	8,037.00	2.75	FINAL BHS	PHOENIX

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 12-8-08


Notary Public in and for San Juan County, New Mexico

My Commission expires 10-09-12



Hathaway Burnham Navigational LLC
DIRECTIONAL AND MWD SERVICES

October 2, 2008

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

RCVD DEC 9 '08
OIL CONS. DIV.
DIST. 3

RE: Final Notarized Survey's Well San Juan 31-6 #4P

Dear Ms. Blackwater,

Please find the enclosed final surveys for well San Juan 31-6 #4P. I herby Certify to the best of my knowledge these surveys are true and correct.

Sincerely,

A handwritten signature in black ink, appearing to read 'Taryn Lambert', with a stylized, cursive script.

Taryn Lambert
Hathaway Burnham Navigational LLC

HB

Job Number:
Company:
Lease/Well:
Location:
Rig Name:
RKB:
G.L. or M.S.L.:

State/Country:
Declination:
Grid:
File name: C:\WINSERVE\NM08305.SVY
Date/Time: 01-Oct-08 / 18:11
Curve Name: AS DRILLED

Hathaway & Burnham Navigational

RCVD DEC 9 '08

OIL CONS. DIV.

DIST. 3

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane .00
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		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
221.00	2.10	214.10	220.95	-3.35	-2.27	-3.35	4.05	214.10	.95
316.00	1.60	185.90	315.90	-6.11	-3.38	-6.11	6.99	208.95	1.08
403.00	1.70	131.40	402.87	-8.18	-2.54	-8.18	8.56	197.25	1.74
501.00	3.20	125.80	500.78	-10.74	.77	-10.74	10.76	175.90	1.55
594.00	2.70	157.20	593.66	-14.27	3.72	-14.27	14.75	165.38	1.79
686.00	3.50	137.00	685.53	-18.33	6.48	-18.33	19.44	160.53	1.46
778.00	5.10	129.50	777.27	-22.98	11.55	-22.98	25.72	153.32	1.84
869.00	6.20	125.50	867.82	-28.41	18.67	-28.41	33.99	146.68	1.28
965.00	8.20	125.90	963.06	-35.43	28.44	-35.43	45.43	141.25	2.08

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	
1060.00	9.80	130.50	1056.89	-44.66	40.08	-44.66	60.00	138.10	1.85
1156.00	12.30	133.60	1151.11	-57.02	53.70	-57.02	78.32	136.72	2.68
1251.00	14.40	133.30	1243.53	-72.10	69.62	-72.10	100.23	136.00	2.21
1347.00	16.30	132.90	1336.10	-89.46	88.18	-89.46	125.61	135.41	1.98
1441.00	18.60	132.10	1425.77	-108.49	108.97	-108.49	153.77	134.87	2.46
1537.00	20.70	131.20	1516.18	-129.93	133.10	-129.93	186.00	134.31	2.21
1632.00	20.20	126.00	1605.20	-150.63	159.00	-150.63	219.03	133.45	1.98
1727.00	19.30	126.30	1694.61	-169.57	184.92	-169.57	250.90	132.52	.95
1822.00	18.90	124.90	1784.38	-187.67	210.20	-187.67	281.78	131.76	.64
1917.00	19.30	123.90	1874.15	-205.23	235.85	-205.23	312.64	131.03	.54
2013.00	19.50	124.80	1964.70	-223.22	262.17	-223.22	344.33	130.41	.37
2109.00	20.40	125.90	2054.94	-242.18	288.88	-242.18	376.96	129.97	1.02
2204.00	19.50	125.90	2144.23	-261.18	315.14	-261.18	409.30	129.65	.95
2359.00	20.50	123.20	2289.89	-291.21	358.81	-291.21	462.11	129.06	.88
2490.00	19.50	128.20	2413.00	-317.30	395.19	-317.30	506.80	128.76	1.51
2585.00	19.70	131.30	2502.49	-337.67	419.68	-337.67	538.66	128.82	1.11
2680.00	20.20	132.30	2591.79	-359.28	443.84	-359.28	571.03	128.99	.64
2776.00	20.00	131.50	2681.95	-381.31	468.39	-381.31	603.98	129.15	.35
2838.00	20.40	130.70	2740.13	-395.38	484.53	-395.38	625.38	129.22	.78
2902.00	19.00	127.80	2800.39	-409.04	501.22	-409.04	646.94	129.22	2.67
3029.00	16.90	126.80	2921.20	-432.78	532.34	-432.78	686.06	129.11	1.67
3125.00	16.20	126.50	3013.22	-449.10	554.27	-449.10	713.38	129.02	.73
3220.00	16.00	127.70	3104.49	-464.99	575.29	-464.99	739.71	128.95	.41
3316.00	13.90	124.70	3197.24	-479.65	595.24	-479.65	764.44	128.86	2.33
3411.00	11.10	121.50	3289.98	-490.92	612.42	-490.92	784.90	128.72	3.04
3507.00	10.20	128.10	3384.33	-501.00	626.99	-501.00	802.57	128.63	1.58
3602.00	7.20	128.70	3478.23	-509.91	638.26	-509.91	816.93	128.62	3.16
3697.00	3.90	127.70	3572.77	-515.61	645.46	-515.61	826.12	128.62	3.48
3751.00	3.20	129.70	3626.66	-517.70	648.07	-517.70	829.46	128.62	1.32
Projection to Bit									
3815.00	2.30	129.70	3690.59	-519.66	650.44	-519.66	832.53	128.62	1.41