

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 - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30324	² Pool Code 71599/72319	³ Pool Name Basin Dakota/Blanco Mesa Verde
⁴ Property Code 31328	⁵ Property Name San Juan 31-6 unit	⁶ Well Number 7M
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6350

¹⁰ Surface Location

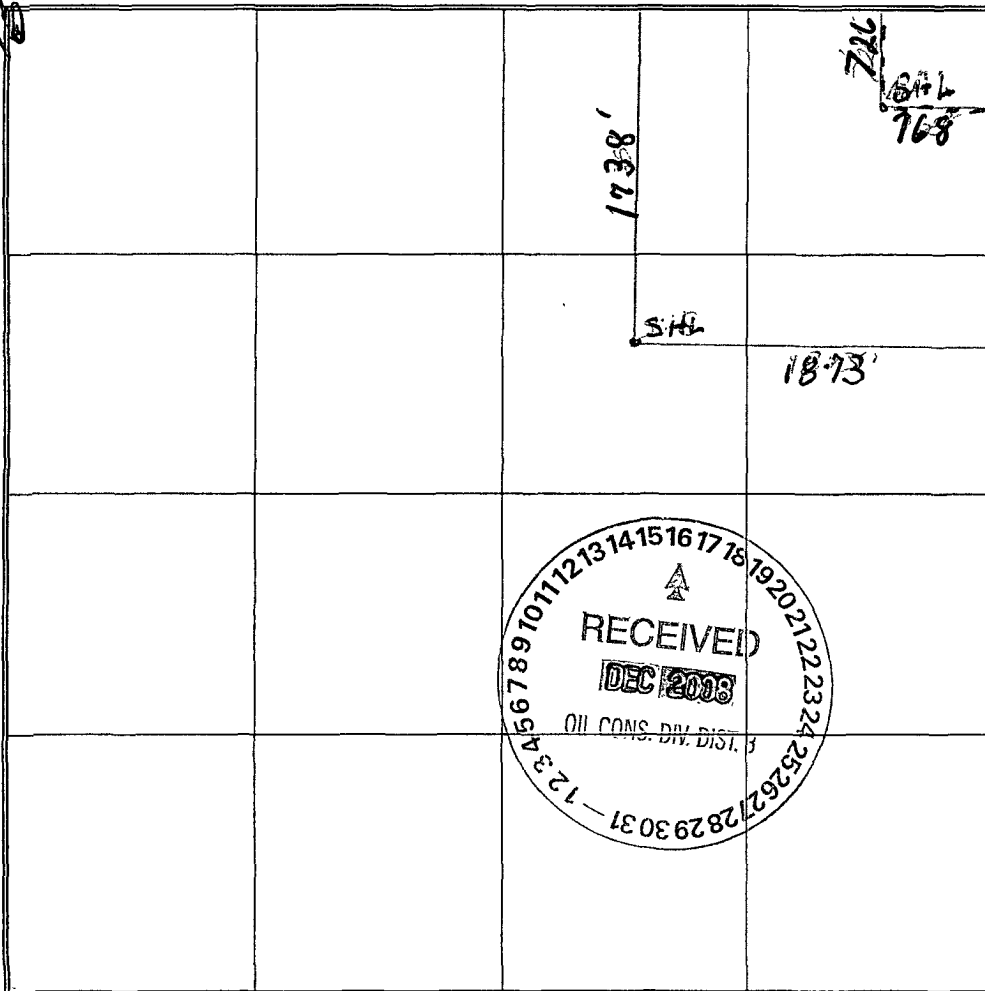
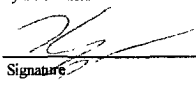
UL or lot no. G	Section 1	Township 30-N	Range 7-W	Lot Idn	Feet from the 1738'	North/South line North	Feet from the 1873'	East/West line East	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. A	Section 1	Township 30-N	Range 7-W	Lot Idn	Feet from the 726'	North/South line North	Feet from the 768'	East/West line East	County Rio Arriba
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¹² Dedicated Acres 318.7	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:  Date: 12/12/08
					Kelly Jeffery 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. 07/21/06 Date of Survey Signature and Seal of Professional Surveyor: 11393 Certificate Number					

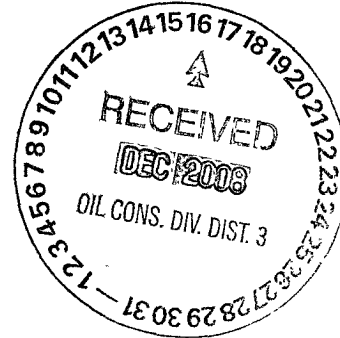
B. 12/12



Hathaway Burnham Navigational LLC
DIRECTIONAL AND MWD SERVICES

September 6, 2008

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



RE: Final Notarized Survey's Well San Juan 31-6 #7M

Dear Ms. Blackwater,

Please find the enclosed final surveys for well San Juan 31-6 #7M. I herby Certify to the best of my knowledge these surveys are true and correct.

Sincerely,

A handwritten signature in cursive script that reads 'Taryn Lambert'.

Taryn Lambert
Hathaway Burnham Navigational LLC



Job Number: NM08303
 Company: CONOCO PHILLIPS
 Lease/Well: SJ 31-6 #7M
 Location: SAN JAUN BASIN
 Rig Name: H&P 283
 RKB: 12
 G.L. or M.S.L.: GL

State/Country: NEW MEXICO
 Declination: 10.15
 Grid: TRUE
 File name: C:\WINSERVE\NM08303.SVY
 Date/Time: 05-Sep-08 / 05:02
 Curve Name: AS DRILLED NM08303

Hathaway & Burnham Navigational

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 47.37
 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
258.00	1.50	146.00	257.97	-2.80	1.89	-.51	3.38	146.00	.58
355.00	.30	284.90	354.96	-3.79	2.35	-.83	4.46	148.15	1.79
447.00	3.70	26.50	446.90	-1.07	3.45	1.81	3.61	107.22	4.10
540.00	6.60	39.60	539.52	5.74	8.19	9.91	10.00	54.99	3.35
633.00	9.30	46.90	631.62	14.99	17.09	22.73	22.73	48.74	3.09
727.00	10.40	53.80	724.23	25.19	29.48	38.75	38.78	49.48	1.71
818.00	11.60	54.40	813.56	35.37	43.55	56.00	56.10	50.92	1.32
911.00	13.20	52.80	904.39	47.23	59.61	75.85	76.06	51.61	1.76
1006.00	15.00	52.10	996.52	61.35	77.95	98.90	99.20	51.80	1.90
1101.00	17.20	49.00	1087.79	78.11	98.26	125.20	125.52	51.51	2.49
1196.00	18.30	46.40	1178.27	97.62	119.66	154.15	154.43	50.79	1.43
1291.00	21.10	44.30	1267.70	120.14	142.41	186.14	186.32	49.85	3.04
1387.00	22.50	43.10	1356.83	145.93	167.03	221.72	221.79	48.86	1.53
1482.00	23.90	47.20	1444.15	172.28	193.57	259.09	259.13	48.33	2.25
1577.00	26.20	48.70	1530.21	199.20	223.45	299.31	299.35	48.28	2.51
1673.00	25.40	48.50	1616.64	226.83	254.79	341.08	341.13	48.32	.84
1768.00	25.30	49.60	1702.50	253.48	285.51	381.74	381.80	48.40	.51
1863.00	23.90	48.80	1788.87	279.32	315.45	421.26	421.34	48.48	1.51
1927.00	24.40	47.20	1847.27	296.84	334.91	447.44	447.52	48.45	1.29
1987.00	25.00	45.90	1901.78	314.08	353.10	472.51	472.58	48.35	1.35
2086.00	25.40	46.20	1991.36	343.34	383.45	514.65	514.70	48.16	.42
2181.00	24.60	46.20	2077.46	371.13	412.43	554.79	554.83	48.02	.84
2277.00	23.30	46.80	2165.19	397.95	440.69	593.76	593.78	47.92	1.38

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
2373.00	23.80	48.30	2253.19	423.84	469.00	632.11	632.14	47.90	.81
2469.00	25.90	47.60	2340.30	450.86	498.94	672.45	672.48	47.90	2.21
2583.00	26.20	46.90	2424.75	478.89	529.26	713.73	713.75	47.86	.46
2659.00	25.60	46.50	2511.11	507.64	559.78	755.66	755.68	47.80	.65
2754.00	25.50	46.20	2596.82	535.92	589.42	796.62	796.64	47.72	.17
2881.00	24.50	44.60	2711.92	573.60	627.64	850.26	850.27	47.58	.95
2913.00	24.40	46.70	2741.05	582.85	637.11	863.50	863.50	47.55	2.73
3102.00	20.10	42.50	2915.95	633.60	687.49	934.93	934.93	47.34	2.42
3164.00	22.20	43.30	2973.77	649.98	702.72	957.23	957.23	47.23	3.42
3259.00	20.90	44.00	3062.13	675.23	726.81	992.05	992.06	47.11	1.39
3327.00	22.20	46.70	3125.37	692.77	744.58	1017.00	1017.02	47.06	2.40
3415.00	22.80	50.80	3206.68	714.95	769.90	1050.65	1050.66	47.12	1.91
3518.00	24.20	49.90	3301.13	741.16	801.51	1091.67	1091.67	47.24	1.40
3613.00	25.70	50.90	3387.27	766.70	832.39	1131.68	1131.68	47.35	1.64
3676.00	26.10	49.00	3443.94	784.40	853.45	1159.17	1159.17	47.41	1.46
3740.00	25.30	47.30	3501.61	802.91	874.13	1186.92	1186.92	47.43	1.70
3803.00	23.30	46.60	3559.02	820.61	893.08	1212.84	1212.84	47.42	3.21
3898.00	19.50	46.20	3647.46	844.50	918.18	1247.49	1247.49	47.39	4.00
3994.00	18.50	50.60	3738.23	865.26	941.52	1278.72	1278.72	47.42	1.82
4094.00	16.30	51.20	3833.65	884.12	964.72	1308.56	1308.57	47.50	2.21
4184.00	17.40	49.50	3919.79	900.78	984.79	1334.61	1334.62	47.55	1.34
4277.00	16.30	47.50	4008.79	918.63	1004.99	1361.56	1361.57	47.57	1.34
4370.00	14.20	47.50	4098.51	935.15	1023.02	1386.02	1386.03	47.57	2.26
4437.00	13.30	50.60	4163.59	945.59	1035.04	1401.94	1401.95	47.59	1.74
4530.00	16.00	50.40	4253.56	960.56	1053.18	1425.42	1425.43	47.63	2.90
4594.00	14.10	47.00	4315.36	971.50	1065.68	1442.03	1442.04	47.65	3.27
4624.00	13.80	46.90	4344.48	976.43	1070.97	1449.26	1449.27	47.64	1.00
4725.00	10.70	43.80	4443.17	991.44	1086.26	1470.67	1470.68	47.61	3.14
4820.00	5.20	42.80	4537.22	1000.97	1095.29	1483.77	1483.78	47.58	5.79
4915.00	4.00	38.50	4631.91	1006.72	1100.28	1491.34	1491.34	47.54	1.31
5035.00	3.00	42.90	4751.69	1012.30	1105.02	1498.60	1498.61	47.51	.86

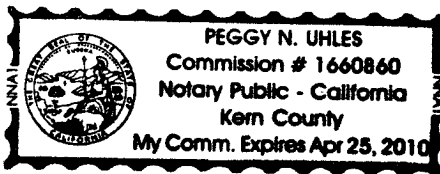
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of KERN

On SEPT 11, 2008 before me, PEGGY N. UHLES, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer

personally appeared TARYN LAMBERT
Name(s) of Signer(s)



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/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: _____

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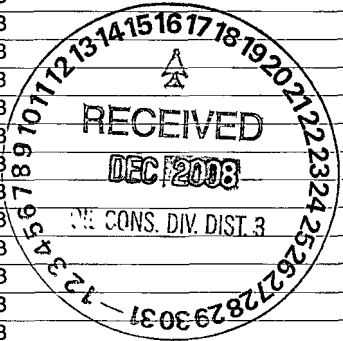


COP Deviation Report
SAN JUAN 31-6 UNIT #7M

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 31-6 UNIT #7M	API / UWI 3003930324	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 001-030N-007W-G		N/S Dist (ft) 1,738.00	N/S Ref FNL	E/W Dist (ft) 1,873.00 E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/28/2008	258.00	1.50	MWD	H&B
8/28/2008	355.00	0.30	MWD	H&B
8/29/2008	447.00	3.70	MWD	H&B
8/29/2008	540.00	6.60	MWD	H&B
8/29/2008	633.00	9.30	MWD	H&B
8/29/2008	727.00	10.40	MWD	H&B
8/29/2008	818.00	11.60	MWD	H&B
8/29/2008	911.00	13.20	MWD	H&B
8/29/2008	1,006.00	15.00	MWD	H&B
8/29/2008	1,101.00	17.20	MWD	H&B
8/29/2008	1,196.00	18.30	MWD	H&B
8/29/2008	1,291.00	21.10	MWD	H&B
8/29/2008	1,387.00	22.50	MWD	H&B
8/29/2008	1,482.00	23.90	MWD	H&B
8/29/2008	1,577.00	26.20	MWD	H&B
8/29/2008	1,673.00	25.40	MWD	H&B
8/29/2008	1,768.00	25.30	MWD	H&B
8/29/2008	1,863.00	23.90	MWD	H&B
8/29/2008	1,927.00	24.40	MWD	H&B
8/29/2008	1,987.00	25.00	MWD	H&B
8/30/2008	2,086.00	25.40	MWD	H&B
8/30/2008	2,181.00	24.60	MWD	H&B
8/30/2008	2,277.00	23.30	MWD	H&B
8/30/2008	2,373.00	23.80	MWD	H&B
8/30/2008	2,469.00	25.90	MWD	H&B
8/30/2008	2,563.00	26.20	MWD	H&B
8/30/2008	2,659.00	25.60	MWD	H&B
8/30/2008	2,754.00	25.50	MWD	H&B
8/30/2008	2,881.00	24.50	MWD	H&B
8/30/2008	2,913.00	24.40	MWD	H&B
8/30/2008	3,102.00	20.10	MWD	H&B
8/31/2008	3,164.00	22.20	MWD	H&B
8/31/2008	3,259.00	20.90	MWD	H&B
9/2/2008	3,327.00	22.20	MWD	H&B
9/2/2008	3,415.00	22.80	MWD	H&B
9/2/2008	3,518.00	24.20	MWD	H&B



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
9/2/2008	3,613.00	25.70	MWD	H&B
9/2/2008	3,676.00	26.10	MWD	H&B
9/2/2008	3,740.00	25.30	MWD	H&B
9/2/2008	3,803.00	23.30	MWD	H&B
9/2/2008	3,898.00	19.50	MWD	H&B
9/2/2008	3,994.00	18.50	MWD	H&B
9/3/2008	4,094.00	16.30	MWD	H&B
9/3/2008	4,184.00	17.40	MWD	H&B
9/3/2008	4,277.00	16.30	MWD	H&B
9/4/2008	4,370.00	14.20	MWD	H&B
9/4/2008	4,437.00	13.30	MWD	H&B
9/4/2008	4,530.00	16.00	MWD	H&B
9/5/2008	4,594.00	14.10	MWD	H&B
9/5/2008	4,624.00	13.80	MWD	H&B
9/5/2008	4,725.00	10.70	MWD	H&B
9/5/2008	4,820.00	5.20	MWD	H&B
9/5/2008	4,915.00	4.00	MWD	H&B
9/5/2008	5,035.00	3.00	MWD	H&B
9/20/2008	8,136.00	1.00	FINAL BHS	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.

Al Galt...

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