

"As Drilled Plat"

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 30-045-3450a	² Pool Code 72319	³ Pool Name Blanco MESAVERDE
⁴ Property Code 31330	⁵ Property Name SAN JUAN 32-8 UNIT	⁶ Well Number 16B
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6567

¹⁰ SURFACE LOCATION

UL or lot no. F	Section 15	Township 31-N	Range 8-W	Lot Idn	Feet from the 1570	North/South line NORTH	Feet from the 1645	East/West line WEST	County SAN JUAN
--------------------	---------------	------------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	--------------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. K	Section 15	Township 31-N	Range 8-W	Lot Idn	Feet from the 2252'	North/South line SOUTH	Feet from the 2137'	East/West line WEST	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

¹⁶ N 89°21'48" E S 89°28'00" W 5201.0' (M) 5152.0' (R) 1570' 1645' NW/4 DEDICATED ACREAGE SF-079004	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 Sasha Neumann Printed Name SASHA NEUMANN Regulatory Technician Title and E-mail Address 12-15-08 Date
2200' 2137' SW/4 DEDICATED ACREAGE NM-03402 SECTION 15, T-31-N, R-8-W	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: 12/18/07 Signature and Seal of Professional Surveyor: HENRY P. BROADHURST, JR. REGISTERED PROFESSIONAL SURVEYOR 11393 12/18/07 Certificate Number: NM 11393
S 89°23'00" W N 89°15'17" E 5237.1' (R) 5237.0' (M)	

4/12/17

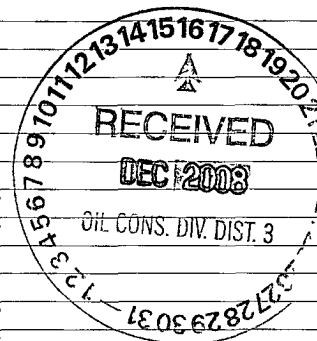


COP Deviation Report
SAN JUAN 32-8 UNIT #16B

Operator CONOCOPHILLIPS COMPANY	Legal WellName SAN JUAN 32-8 UNIT #16B	API / UWI 3004534506	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 015-031N-008W-F	N/S Dist (ft) 1,570.00	N/S Ref FNL	E/W Dist (ft) 1,645.00	E/W Ref FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
7/31/2008	120.00	0.50	DEVIATION	MOTE
7/31/2008	225.00	1.50	DEVIATION	MOTE
7/31/2008	350.00	1.75	DEVIATION	MOTE
8/23/2008	374.00	2.30	DEVIATION	HP
8/23/2008	465.00	3.90	DEVIATION	HP
8/23/2008	559.00	5.70	DEVIATION	HP
8/23/2008	649.00	7.50	DEVIATION	HP
8/23/2008	709.00	8.20	DEVIATION	HP
8/23/2008	773.00	9.10	DEVIATION	HP
8/23/2008	836.00	10.20	DEVIATION	HP
8/23/2008	899.00	11.30	DEVIATION	HP
8/23/2008	963.00	12.70	DEVIATION	HP
8/23/2008	1,027.00	14.20	DEVIATION	HP
8/23/2008	1,090.00	16.00	DEVIATION	HP
8/23/2008	1,153.00	17.80	DEVIATION	HP
8/23/2008	1,216.00	19.10	DEVIATION	HP
8/23/2008	1,279.00	20.40	DEVIATION	HP
8/23/2008	1,343.00	22.00	DEVIATION	HP
8/23/2008	1,406.00	23.40	DEVIATION	HP
8/24/2008	1,470.00	25.30	DEVIATION	HP
8/24/2008	1,533.00	27.80	DEVIATION	HP
8/24/2008	1,597.00	29.10	DEVIATION	HP
8/24/2008	1,660.00	30.20	DEVIATION	HP
8/24/2008	1,724.00	31.90	DEVIATION	HP
8/24/2008	1,787.00	32.80	DEVIATION	HP
8/24/2008	1,850.00	32.90	DEVIATION	HP
8/24/2008	1,914.00	33.60	DEVIATION	HP
8/24/2008	2,010.00	31.00	DEVIATION	HP
8/24/2008	2,105.00	29.00	DEVIATION	HP
8/24/2008	2,201.00	26.50	DEVIATION	HP
8/24/2008	2,296.00	24.70	DEVIATION	HP
8/24/2008	2,391.00	23.80	DEVIATION	HP
8/24/2008	2,454.00	25.10	DEVIATION	HP
8/24/2008	2,550.00	26.90	DEVIATION	HP
8/24/2008	2,645.00	26.90	DEVIATION	HP
8/24/2008	2,741.00	27.50	DEVIATION	HP



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.

Tom Pedemonte

Subscribed and sworn to me this 12-12-08

Sasha N. Spender

Notary Public in and for San Juan County, New Mexico

My Commission expires 3-24-12

**COP Deviation Report
SAN JUAN 32-8 UNIT #16B**

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/24/2008	2,835.00	26.50	DEVIATION	HP
8/24/2008	2,931.00	25.20	DEVIATION	HP
8/25/2008	3,025.00	23.60	DEVIATION	HP
8/25/2008	3,120.00	23.90	DEVIATION	HP
8/25/2008	3,215.00	23.80	DEVIATION	HP
8/25/2008	3,311.00	22.40	DEVIATION	HP
8/25/2008	3,406.00	22.00	DEVIATION	HP
8/25/2008	3,501.00	20.10	DEVIATION	HP
8/25/2008	3,627.00	20.20	DEVIATION	HP
8/28/2008	3,691.00	19.20	DEVIATION	HP
8/30/2008	3,786.00	19.30	DEVIATION	HP
8/30/2008	3,850.00	20.20	DEVIATION	HP
8/30/2008	3,913.00	20.50	DEVIATION	HP
8/30/2008	3,976.00	20.80	DEVIATION	HP
8/30/2008	4,039.00	19.20	DEVIATION	HP
8/30/2008	4,103.00	16.80	DEVIATION	HP
8/30/2008	4,166.00	15.20	DEVIATION	HP
8/30/2008	4,230.00	14.40	DEVIATION	HP
8/30/2008	4,293.00	13.80	DEVIATION	HP
8/30/2008	4,356.00	11.80	DEVIATION	HP
8/30/2008	4,388.00	10.90	DEVIATION	HP
8/30/2008	4,451.00	9.90	DEVIATION	HP
8/30/2008	4,483.00	9.30	DEVIATION	HP
8/30/2008	4,547.00	7.40	DEVIATION	HP
8/30/2008	4,609.00	5.70	DEVIATION	HP
8/30/2008	4,673.00	4.00	DEVIATION	HP
8/30/2008	4,736.00	3.00	DEVIATION	HP
8/30/2008	4,784.00	2.60	DEVIATION	HP
8/30/2008	4,840.00	2.32	DEVIATION	HP
9/10/2008	6,403.00	0.75	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.

Paul Palamides

Subscribed and sworn to me this 12-12-08

Sasha O. Spangler

Notary Public in and for San Juan County, New Mexico

My Commission expires 3-24-12



Hathaway Burnham Navigational LLC

DIRECTIONAL AND MWD SERVICES

August 30, 2008

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



RE: Final Notarized Survey's Well San Juan 32-8 #16B

Dear Ms. Blackwater,

Please find the enclosed final surveys for well San Juan 32-8 #16B. I hereby Certify to the best of my knowledge these surveys are true and correct.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Taryn Lambert'.

Taryn Lambert
Hathaway Burnham Navigational LLC

HB

Job Number: NM08402
Company: CONOCOPHILLIPS
Lease/Well: SJ 32-8 #16B
Location: SECTION 15
Rig Name: H&P #281
RKB:
G.L. or M.S.L.:

State/Country: NEW MEXICO/USA
Declination: 10.21
Grid:
File name: C:\WINSERVE\NM08402.SVY
Date/Time: 02-Sep-08 / 09:40
Curve Name: AS DRILLED

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 160.54
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

<i>Measured Depth FT</i>	<i>Incl Angle Deg</i>	<i>Drift Direction Deg</i>	<i>True Vertical Depth</i>	<i>N-S FT</i>	<i>E-W FT</i>	<i>Vertical Section FT</i>	<i>C L O S U R E Distance FT</i>	<i>Direction Deg</i>	<i>Dogleg Severity Deg/100</i>
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
374.00	2.30	228.00	373.90	-5.02	-5.58	2.88	7.51	228.00	.61
465.00	3.90	214.30	464.76	-8.80	-8.68	5.41	12.36	224.60	1.93
559.00	5.70	200.60	558.43	-15.81	-12.12	10.87	19.92	217.48	2.26
649.00	7.50	190.40	647.84	-25.77	-14.76	19.39	29.70	209.79	2.38
709.00	8.20	182.20	707.28	-33.90	-15.63	26.76	37.33	204.75	2.20
773.00	9.10	174.00	770.55	-43.50	-15.27	35.92	46.10	199.35	2.38
836.00	10.20	166.50	832.66	-53.88	-13.45	46.32	55.53	194.02	2.65
899.00	11.30	161.80	894.55	-65.16	-10.22	58.04	65.96	188.91	2.23
963.00	12.70	159.70	957.16	-77.72	-5.82	71.34	77.94	184.28	2.29
1027.00	14.20	156.80	1019.40	-91.53	-2.29	86.21	91.53	180.18	2.57
1090.00	16.00	154.20	1080.22	-106.45	6.54	102.55	106.65	176.49	3.05
1153.00	17.80	156.80	1140.50	-123.12	14.11	120.79	123.93	173.46	3.10
1216.00	19.10	157.30	1200.26	-141.48	21.88	140.69	143.17	171.21	2.08
1279.00	20.40	159.00	1259.55	-161.24	29.79	161.96	163.97	169.53	2.26
1343.00	22.00	158.70	1319.22	-182.83	38.15	185.09	186.77	168.21	2.51
1406.00	23.40	160.60	1377.34	-205.62	46.59	209.40	210.84	167.23	2.51
1470.00	25.30	161.10	1435.64	-230.55	55.24	235.78	237.08	166.53	2.99
1533.00	27.80	159.80	1492.00	-257.08	64.68	263.94	265.09	165.88	4.07
1597.00	29.10	160.30	1548.27	-285.74	75.08	294.43	295.44	165.28	2.07
1660.00	30.20	155.90	1603.02	-314.63	86.71	325.54	326.36	164.59	3.87
1724.00	31.80	154.40	1657.88	-344.53	100.57	358.36	358.91	163.73	2.78
1787.00	32.80	153.50	1711.13	-374.77	115.36	391.80	392.13	162.89	1.76
1850.00	32.90	150.40	1764.06	-404.92	131.42	425.58	425.72	162.02	2.67
1914.00	33.60	148.10	1817.58	-435.07	149.37	459.98	460.00	161.05	2.25

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	
2010.00	31.00	149.70	1898.72	-478.98	175.88	510.21	510.25	159.84	2.85
2105.00	29.00	151.00	1980.99	-520.25	199.39	556.95	557.15	159.03	2.21
2201.00	26.50	153.20	2065.95	-559.72	220.34	601.15	601.53	158.51	2.81
2296.00	24.70	155.30	2151.62	-596.68	238.19	641.94	642.46	158.24	2.12
2391.00	23.80	158.60	2238.24	-632.56	253.48	680.87	681.46	158.16	1.71
2454.00	25.10	160.00	2295.59	-656.95	262.69	706.94	707.52	158.21	2.26
2550.00	26.90	162.40	2381.87	-696.79	276.22	749.01	749.54	158.38	2.17
2645.00	26.90	162.10	2466.59	-737.73	289.32	791.97	792.43	158.59	.14
2741.00	27.50	162.60	2551.98	-779.54	302.62	835.83	836.22	158.78	.67
2835.00	26.50	162.70	2635.73	-820.27	315.35	878.47	878.80	158.97	1.06
2931.00	25.20	164.10	2722.12	-860.38	327.32	920.28	920.54	159.17	1.50
3025.00	23.60	161.90	2807.73	-897.52	338.65	959.06	959.28	159.33	1.96
3120.00	23.90	164.50	2894.69	-934.14	349.70	997.27	997.45	159.48	1.15
3215.00	23.80	165.00	2981.57	-971.20	359.80	1035.58	1035.70	159.67	.24
3311.00	22.40	164.30	3069.87	-1007.52	369.77	1073.15	1073.23	159.85	1.49
3406.00	22.00	167.50	3157.83	-1042.32	378.52	1108.88	1108.92	160.04	1.34
3501.00	20.10	165.20	3246.49	-1075.47	386.54	1142.81	1142.83	160.23	2.18
3627.00	20.20	167.40	3364.78	-1117.64	396.81	1185.99	1185.99	160.45	.61
3691.00	19.20	165.70	3425.04	-1138.62	401.82	1207.44	1207.44	160.56	1.80
3786.00	19.30	163.80	3514.73	-1168.83	410.06	1238.67	1238.68	160.67	.67
3850.00	20.20	161.90	3574.96	-1189.49	416.45	1260.28	1260.29	160.70	1.73
3913.00	20.50	161.00	3634.03	-1210.26	423.42	1282.18	1282.19	160.72	.69
3976.00	20.80	160.80	3692.98	-1231.26	430.69	1304.40	1304.41	160.72	.49
4039.00	19.20	159.50	3752.18	-1251.52	437.99	1325.95	1325.95	160.71	2.64
4103.00	16.80	156.10	3813.04	-1269.84	445.43	1345.69	1345.70	160.67	4.09
4166.00	15.20	156.30	3873.60	-1285.73	452.44	1363.01	1363.01	160.61	2.54
4230.00	14.40	158.00	3935.48	-1300.79	458.79	1379.33	1379.33	160.57	1.42
4293.00	13.80	159.40	3996.58	-1315.09	464.37	1394.66	1394.66	160.55	1.10
4356.00	11.80	158.90	4058.01	-1328.13	469.33	1408.62	1408.62	160.54	3.18
4388.00	10.90	159.90	4089.39	-1334.02	471.55	1414.91	1414.91	160.53	2.88
4451.00	9.90	156.40	4151.35	-1344.58	475.77	1426.27	1426.27	160.51	1.88
4483.00	9.30	155.20	4182.90	-1349.45	477.95	1431.59	1431.59	160.50	1.98
4547.00	7.40	157.40	4246.22	-1357.95	481.70	1440.85	1440.86	160.47	3.01
4609.00	5.70	154.70	4307.81	-1364.42	484.56	1447.90	1447.91	160.45	2.79
4673.00	4.00	149.00	4371.58	-1369.21	487.06	1453.25	1453.26	160.42	2.76
4736.00	3.00	148.30	4434.46	-1372.49	489.06	1457.02	1457.02	160.39	1.59
4784.00	2.60	149.10	4482.41	-1374.50	490.28	1459.31	1459.32	160.37	.84
Projection to bit									
4840.00	2.32	149.60	4538.36	-1376.56	491.51	1461.67	1461.68	160.35	.50
--Projection to Bit--									
4874.00	2.15	149.90	4572.33	-1377.71	492.17	1462.97	1462.98	160.34	.50

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of KERN

On SEPT 3, 2008

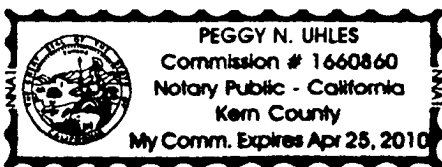
Date

before me, PEGGY N. UHLES, NOTARY PUBLIC

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: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here