

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

"As Drilled Plat"

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised October 12, 2005

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

☐ AMENDED REPORT

RCVD SEP 15 '09

OIL CON. DIV.

DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34918	*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 7638	*Property Name WILMUTH	*Well Number 100
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 5755'

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
P	26	31N	11W		550	SOUTH	850	EAST	SAN JUAN

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	26	31N	11W		1091	SOUTH	1233'	EAST	SAN JUAN

*Dedicated Acres 320.0 Acres - (S/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 <i>9/15/09</i>	5355.24'	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>Ethel Tally</i> 9/14/09 Signature Date Ethel Tally Printed Name
5229.18'	26	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. Survey Date: FEBRUARY 5, 2008 Signature and Seal of Professional Surveyor  JASON C. EDWARDS Certificate Number 15269
2658.48'	2656.50'	

LEASE FEE

SURFACE LOCATION
LAT: 36°51.8371'N
LONG: 107°57.2225'W
DATUM: NAD27

LAT: 36.86395°N
LONG: 107.95433°W
DATUM: NAD83

1425' 1233' 850' 550' 1795' 1510' 2080'

N32°45.4'W 679.6'

Vertical

8 9/16

re

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName WILMUTH #100	API / UWI 3004534918	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 026-031N-011W-P	N/S Dist (ft) 550.00	N/S Ref FSL	E/W Dist (ft) 850.00	E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
6/2/2009	313.00	0.76	MWD	Scientific Drilling
6/2/2009	344.00	0.71	MWD	Scientific Drilling
6/2/2009	405.00	0.82	MWD	Scientific Drilling
6/2/2009	467.00	1.90	MWD	Scientific Drilling
6/2/2009	528.00	3.99	MWD	Scientific Drilling
6/2/2009	589.00	6.23	MWD	Scientific Drilling
6/2/2009	651.00	7.80	MWD	Scientific Drilling
6/2/2009	712.00	9.73	MWD	Scientific Drilling
6/2/2009	775.00	11.57	MWD	Scientific Drilling
6/2/2009	838.00	13.53	MWD	Scientific Drilling
6/2/2009	901.00	15.25	MWD	Scientific Drilling
6/2/2009	964.00	16.68	MWD	Scientific Drilling
6/2/2009	1,027.00	18.32	MWD	Scientific Drilling
6/2/2009	1,090.00	20.64	MWD	Scientific Drilling
6/2/2009	1,153.00	22.75	MWD	Scientific Drilling
6/2/2009	1,216.00	24.44	MWD	Scientific Drilling
6/2/2009	1,279.00	26.87	MWD	Scientific Drilling
6/2/2009	1,343.00	27.18	MWD	Scientific Drilling
6/2/2009	1,406.00	28.84	MWD	Scientific Drilling
6/2/2009	1,469.00	31.04	MWD	Scientific Drilling
6/2/2009	1,532.00	33.28	MWD	Scientific Drilling
6/2/2009	1,595.00	34.58	MWD	Scientific Drilling
6/2/2009	1,659.00	35.50	MWD	Scientific Drilling
6/3/2009	1,722.00	34.66	MWD	Scientific Drilling
6/3/2009	1,785.00	33.70	MWD	Scientific Drilling
6/3/2009	1,847.00	32.68	MWD	Scientific Drilling
6/3/2009	1,911.00	30.17	MWD	Scientific Drilling
6/3/2009	1,973.00	26.95	MWD	Scientific Drilling
6/3/2009	2,036.00	23.30	MWD	Scientific Drilling
6/3/2009	2,099.00	20.23	MWD	Scientific Drilling
6/3/2009	2,162.00	18.18	MWD	Scientific Drilling
6/3/2009	2,225.00	15.59	MWD	Scientific Drilling
6/3/2009	2,288.00	12.49	MWD	Scientific Drilling
6/3/2009	2,351.00	9.64	MWD	Scientific Drilling
6/3/2009	2,414.00	6.95	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 _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
6/3/2009	2,477.00	4.94	MWD	Scientific Drilling
6/3/2009	2,540.00	2.25	MWD	Scientific Drilling
6/3/2009	2,603.00	1.34	MWD	Scientific Drilling
6/3/2009	2,668.00	1.44	MWD	Scientific Drilling
6/3/2009	2,720.00	1.52	Extrap.	Scientific Drilling

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.

ALL G-116

Subscribed and sworn to me this

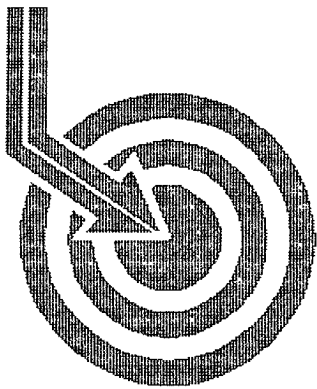
Aug 27, 2009

Ethel Tally

Notary Public in and for San Juan County, New Mexico

My Commission expires

Oct 1, 2012



Scientific Drilling

RCVD SEP 15 '09

OIL CONS. DIV.

DIST. 3

BURLINGTON RESOURCES

Field: Wilmuth

Site: Rio Arriba County, NM

Well: Wilmuth #100

Wellpath: DH - Job #33D0509098

Survey: 05/30/09-06/04/09

API - 30-045-34918

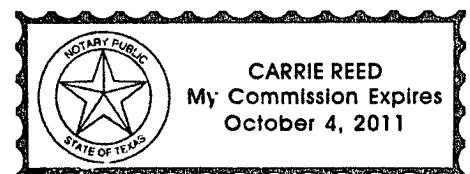
Surf - P, 550' FSL + 850' FEL
Sec. 26. T31N, R11W

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

.....*Carrie Reed*.....Company Representative

Notorized this date 25th of June, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas



AG-



Scientific
Drilling

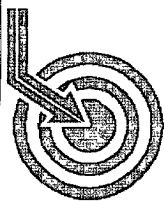
Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 06/25/2009	Time: 11:45:42	Page: 1
Field: Wilmoth	Co-ordinate(NE) Reference:	Site: Rio Arriba County, NM, True North	
Site: Rio Arriba County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Wilmoth #100	Section (VS) Reference:	Well (0.00N,0.00E,327.16Az)	
Wellpath: DH - Job #33D0509098	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 05/30/09-06/04/09	Start Date: 05/30/2009
Company: Scientific Drilling Internatio	Engineer: Lowe/Rickie/Kasbaum/Blosser
Tool: E-field;E-field	Tied-to: From Surface

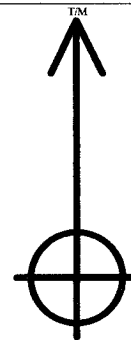
Survey

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
313.00	0.76	57.00	312.99	0.01	1.13	1.74	0.24	2.08	57.00
344.00	0.71	49.42	343.99	0.03	1.37	2.06	0.35	2.47	56.41
405.00	0.82	358.66	404.98	0.46	2.05	2.34	1.09	3.11	48.74
467.00	1.90	280.25	466.97	1.54	2.68	1.31	3.08	2.98	26.15
528.00	3.99	286.36	527.89	3.83	3.45	-1.72	3.46	3.86	333.56
589.00	6.23	294.41	588.64	8.22	5.42	-6.77	3.85	8.67	308.69
651.00	7.80	293.51	650.17	14.56	8.49	-13.69	2.54	16.11	301.80
712.00	9.73	290.28	710.46	22.13	11.93	-22.32	3.26	25.31	298.12
775.00	11.57	290.46	772.37	31.45	15.98	-33.24	2.92	36.88	295.68
838.00	13.53	291.84	833.86	42.53	20.93	-46.00	3.15	50.54	294.47
901.00	15.25	294.07	894.88	55.49	27.05	-60.40	2.87	66.19	294.13
964.00	16.68	297.48	955.45	70.28	34.60	-75.99	2.71	83.50	294.48
1027.00	18.32	301.44	1015.54	87.06	43.94	-92.46	3.22	102.37	295.42
1090.00	20.64	303.89	1074.93	106.18	55.30	-110.13	3.90	123.23	296.66
1153.00	22.75	305.23	1133.46	127.69	68.52	-129.30	3.44	146.33	297.92
1216.00	24.44	307.94	1191.20	151.30	83.56	-149.53	3.19	171.29	299.20
1279.00	26.87	311.72	1247.99	177.33	101.05	-170.44	4.65	198.14	300.66
1343.00	27.18	311.89	1305.00	205.37	120.44	-192.12	0.50	226.75	302.08
1406.00	28.84	313.55	1360.62	234.02	140.52	-213.84	2.91	255.88	303.31
1469.00	31.04	317.72	1415.21	264.82	163.01	-235.79	4.81	286.65	304.66
1532.00	33.28	321.22	1468.55	298.04	188.50	-257.54	4.62	319.16	306.20
1595.00	34.58	324.67	1520.82	333.10	216.57	-278.71	3.69	352.96	307.85
1659.00	35.50	328.66	1573.23	369.83	247.26	-298.88	3.86	387.90	309.60
1722.00	34.66	332.68	1624.79	405.95	278.81	-316.62	3.90	421.88	311.37
1785.00	33.70	337.00	1676.92	441.01	310.82	-331.68	4.14	454.55	313.14
1847.00	32.68	340.62	1728.81	474.24	342.44	-343.95	3.59	485.36	314.87
1911.00	30.17	343.11	1783.42	506.51	374.14	-354.36	4.41	515.31	316.55
1973.00	26.95	346.54	1837.87	534.76	402.72	-362.16	5.83	541.61	318.04
2036.00	23.30	349.78	1894.90	559.73	428.87	-367.70	6.19	564.92	319.39
2099.00	20.23	352.66	1953.41	581.07	451.94	-371.30	5.16	584.91	320.59
2162.00	18.18	354.54	2012.90	599.63	472.53	-373.63	3.40	602.40	321.67
2225.00	15.59	352.40	2073.18	616.02	490.71	-375.68	4.23	618.01	322.56
2288.00	12.49	350.66	2134.29	629.93	505.83	-377.91	4.97	631.41	323.24
2351.00	9.64	350.08	2196.11	641.04	517.75	-379.92	4.53	642.19	323.73
2414.00	6.95	352.30	2258.45	649.35	526.72	-381.34	4.30	650.28	324.10
2477.00	4.94	357.42	2321.10	655.14	533.21	-381.97	3.30	655.91	324.38
2540.00	2.25	359.37	2383.97	658.53	537.16	-382.11	4.27	659.20	324.57
2603.00	1.34	340.90	2446.94	660.29	539.09	-382.36	1.69	660.93	324.65
2668.00	1.44	347.89	2511.92	661.79	540.61	-382.78	0.30	662.41	324.70



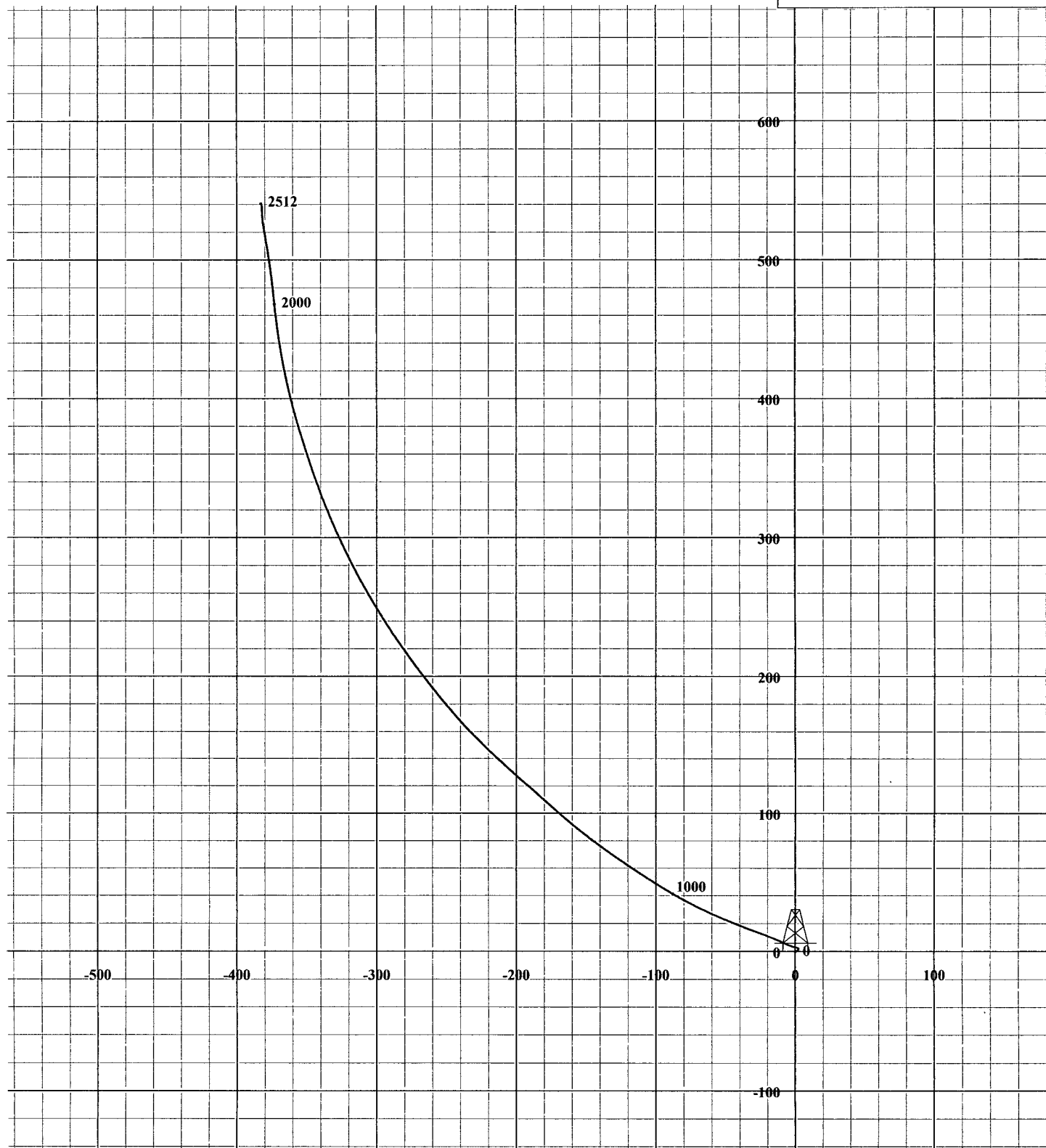
Scientific
Drilling

Field: Wilmuth
Site: Rio Arriba County, NM
Well: Wilmuth #100
Wellpath: DH - Job #33D0509098
Survey: 05/30/09-06/04/09



Azimuths to True North
Magnetic North 0 00°
Magnetic Field
Strength 0nT
Dip Angle 0 00°
Date 06/25/2009
Model grf2000

South(-)/North(+) [100ft/in]



West(-)/East(+) [100ft/in]