

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
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

RCVD JUN 17 09
OIL CONSERVATION DIVISION
RECOMMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

DIST. 3

¹ API Number 30-039-30377		² Pool Code 72319/71599		³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
⁴ Property Code 7459		⁵ Property Name SAN JUAN 28-4 UNIT			⁶ Well Number 37M
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP			⁹ Elevation 7387

¹⁰ SURFACE LOCATION

UL or lot no. P	Section 29	Township 28-N	Range 4-W	Lot Idn	Feet from the 630'	North/South line SOUTH	Feet from the 845	East/West line EAST	County RIO ARRIBA
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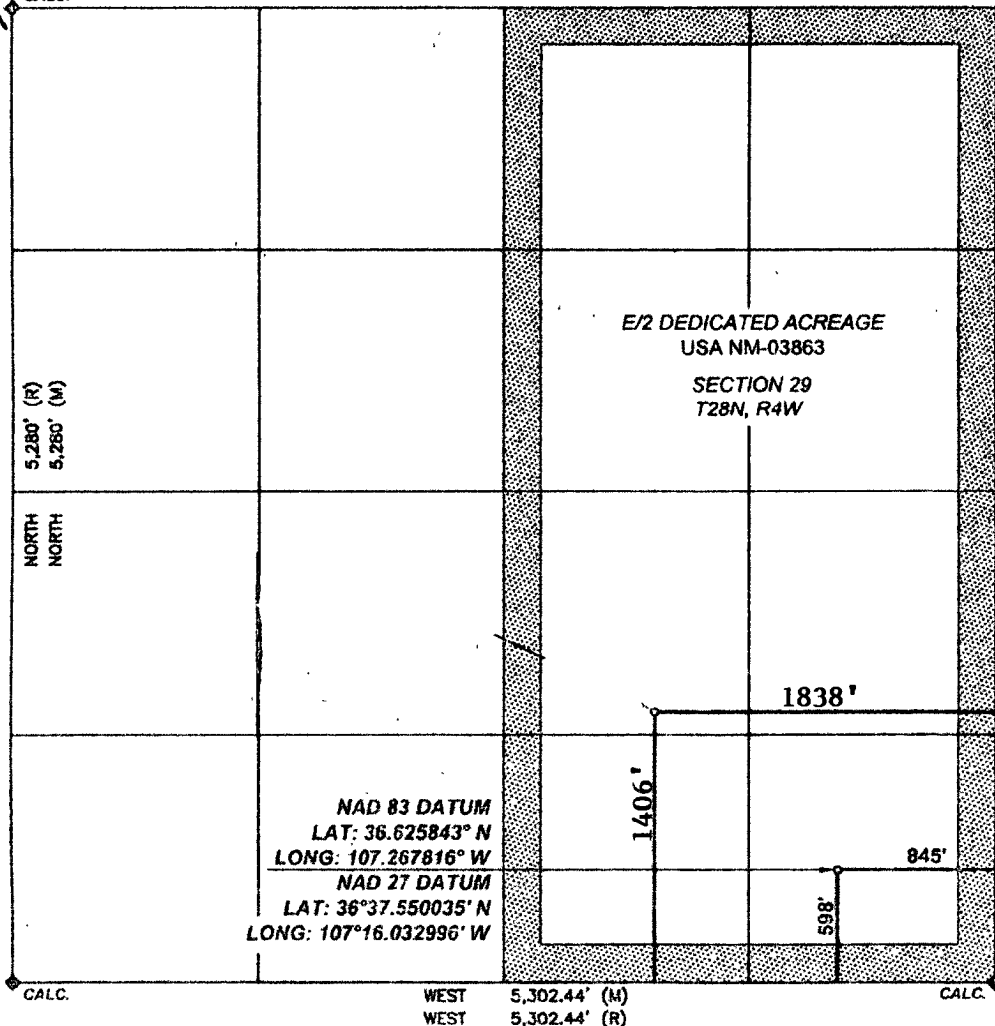
¹¹ Bottom Hole Location If Different From Surface

UL or lot no. J	Section 29	Township 28-N	Range 4-W	Lot Idn	Feet from the 1406'	North/South line SOUTH	Feet from the 1838'	East/West line EAST	County RIO ARRIBA
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¹² Dedicated Acres DK 320 E/S	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

¹⁶
CALC.



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

Ethel Tally
Signature

Ethel Tally
Printed Name

Staff Regulatory Technician
Title and E-mail Address

6/16/09
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: 6/20/06

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

6/19

COP Deviation Report
SAN JUAN 28-4 UNIT #37M

Operator BURLINGTON RESOURCES OIL & GAS COMPANY	Legal WellName SAN JUAN 28-4 UNIT #37M	API / UWI 3003930377	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 029-028N-004W-P	N/S Dist (ft) 630.00	N/S Ref FSL	E/W Dist (ft) 845.00	E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/5/2008	125.00	0.75	DEVIATION	MOTE
8/5/2008	225.00	1.50	DEVIATION	MOTE
8/6/2008	330.00	2.25	DEVIATION	MOTE
8/28/2008	385.00	2.00	MWD	HB
8/28/2008	478.00	1.20	MWD	HB
8/28/2008	573.00	2.20	MWD	HB
8/28/2008	665.00	4.90	MWD	HB
8/28/2008	757.00	6.30	MWD	HB
8/28/2008	851.00	7.90	MWD	HB
8/28/2008	946.00	9.60	MWD	HB
8/28/2008	1,040.00	11.20	MWD	HB
8/29/2008	1,134.00	11.80	MWD	HB
8/29/2008	1,228.00	12.30	MWD	HB
8/29/2008	1,322.00	14.50	MWD	HB
8/29/2008	1,415.00	16.19	MWD	HB
8/29/2008	1,508.00	18.90	MWD	HB
8/29/2008	1,602.00	20.00	MWD	HB
8/29/2008	1,696.00	19.50	MWD	HB
8/29/2008	1,790.00	19.90	MWD	HB
8/29/2008	1,884.00	18.50	MWD	HB
8/29/2008	1,978.00	19.30	MWD	HB
8/29/2008	2,072.00	21.30	MWD	HB
8/29/2008	2,166.00	21.60	MWD	HB
8/29/2008	2,260.00	21.80	MWD	HB
9/1/2008	2,354.00	21.20	MWD	HB
9/1/2008	2,448.00	23.30	MWD	HB
9/1/2008	2,542.00	23.20	MWD	HB
9/2/2008	2,636.00	22.60	MWD	HB
9/2/2008	2,730.00	21.60	MWD	HB
9/2/2008	2,824.00	20.70	MWD	HB
9/2/2008	2,919.00	21.60	MWD	HB
9/2/2008	3,012.00	22.50	MWD	HB
9/2/2008	3,106.00	21.90	MWD	HB
9/2/2008	3,200.00	21.70	MWD	HB
9/2/2008	3,294.00	22.20	MWD	HB

I, the undersigned, certify that I acting in my capacity as 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 8th June

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires Oct 1, 2012

COP Deviation Report
SAN JUAN 28-4 UNIT #37M

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
9/2/2008	3,388.00	22.10	MWD	HB
9/2/2008	3,482.00	20.70	MWD	HB
9/2/2008	3,576.00	21.20	MWD	HB
9/2/2008	3,670.00	22.20	MWD	HB
9/2/2008	3,764.00	20.10	MWD	HB
9/2/2008	3,857.00	20.80	MWD	HB
9/2/2008	3,951.00	20.70	MWD	HB
9/2/2008	4,045.00	21.00	MWD	HB
9/6/2008	4,139.00	21.00	MWD	HB
9/6/2008	4,233.00	19.40	MWD	HB
9/6/2008	4,327.00	16.20	MWD	HB
9/6/2008	4,421.00	14.00	MWD	HB
9/6/2008	4,515.00	9.10	MWD	HB
9/6/2008	4,609.00	9.00	MWD	HB
9/6/2008	4,703.00	7.20	MWD	HB
9/6/2008	4,783.00	4.40	MWD	HB
9/7/2008	4,838.00	2.48	MWD	HB
11/7/2008	8,937.00	1.00	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 _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____



Hathaway Burnham Navigational LLC

DIRECTIONAL AND MWD SERVICES

September 7, 2008

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

RE: Final Notarized Survey's Well San Juan 28-4 #37M *API - 30-039-30377*

Dear Ms. Blackwater,

Please find the enclosed final surveys for well San Juan 28-4 #37M. 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

Job Number: NM-08502

State/Country: NEWMEXICO/USA

Company: BURLINGTON RESOURCES

Declination:

Lease/Well: SJ 28-4 #37M

Grid:

Location: SECTION 29

File name: C:\WINSERVE\NM08502.SVY

Rig Name: AWS 711

Date/Time: 09-Sep-08 / 12:08

RKB:

Curve Name: AS DRILLED

G.L. or M.S.L.:

AS DRILLED

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 308.43
 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
385.00	2.00	69.30	384.92	2.37	6.29	-3.45	6.72	69.30	.52
478.00	1.20	24.20	477.89	3.84	8.20	-4.04	9.06	64.93	1.54
573.00	2.20	306.00	572.86	5.82	7.13	-1.97	9.21	50.81	2.40
665.00	4.90	290.10	664.67	8.21	2.02	3.52	8.45	13.80	3.10
757.00	6.30	296.30	756.23	11.79	-6.20	12.19	13.32	332.26	1.66
851.00	7.90	295.00	849.51	16.81	-16.68	23.51	23.68	315.22	1.71
946.00	9.60	300.30	943.40	23.56	-29.44	37.71	37.71	308.68	1.98
1040.00	11.20	298.40	1035.85	31.86	-44.24	54.46	54.52	305.76	1.74
1134.00	11.80	304.20	1127.97	41.61	-60.22	73.03	73.19	304.64	1.39
1228.00	12.30	304.70	1219.90	52.71	-76.40	92.61	92.81	304.60	.54
1322.00	14.50	300.90	1311.33	64.45	-94.73	114.27	114.58	304.23	2.52
1415.00	16.19	302.30	1401.02	77.36	-115.68	138.70	139.16	303.77	1.86
1508.00	18.90	301.50	1489.68	92.16	-139.49	166.55	167.18	303.45	2.93
1602.00	20.00	303.90	1578.32	109.08	-165.81	197.69	198.47	303.34	1.45
1696.00	19.50	303.30	1666.79	126.66	-192.27	229.34	230.24	303.38	.57
1790.00	19.90	308.40	1755.29	145.21	-217.92	260.97	261.87	303.68	1.88
1884.00	18.50	306.70	1844.06	164.06	-242.41	291.88	292.71	304.09	1.60
1978.00	19.30	307.56	1932.99	182.45	-266.69	322.31	323.12	304.38	.90
2072.00	21.30	308.30	2021.15	202.50	-292.40	354.92	355.67	304.70	2.15
2166.00	21.60	311.10	2108.64	224.46	-318.84	389.28	389.92	305.14	1.13
2260.00	21.80	309.70	2195.98	246.98	-345.31	424.01	424.54	305.57	.59
2354.00	21.20	308.30	2283.44	268.66	-372.07	458.46	458.93	305.83	.84
2448.00	23.30	309.30	2370.44	290.97	-399.80	494.05	494.48	306.05	2.27
2542.00	23.20	310.00	2456.80	314.65	-428.37	531.15	531.51	306.30	.31

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	
2636.00	22.60	311.30	2543.40	338.47	-456.12	567.69	567.99	306.58	.83
2730.00	21.60	310.90	2630.49	361.72	-482.77	603.02	603.25	306.84	1.08
2824.00	20.70	311.00	2718.16	383.95	-508.39	636.90	637.08	307.06	.96
2919.00	21.60	311.40	2806.75	406.53	-534.18	671.14	671.28	307.27	.96
3012.00	22.50	310.90	2892.95	429.50	-560.47	706.01	706.11	307.46	.99
3106.00	21.90	310.90	2979.98	452.76	-587.31	741.50	741.57	307.63	.64
3200.00	21.70	311.20	3067.26	475.68	-613.64	776.37	776.42	307.78	.24
3294.00	22.20	310.20	3154.45	498.59	-640.28	811.48	811.51	307.91	.66
3388.00	22.10	309.60	3241.51	521.32	-667.47	846.91	846.93	307.99	.26
3482.00	20.70	310.80	3329.03	543.45	-693.67	881.19	881.20	308.08	1.56
3576.00	21.20	309.40	3416.81	565.10	-719.38	914.78	914.79	308.15	.75
3670.00	22.20	307.80	3504.15	586.77	-746.55	949.53	949.54	308.17	1.24
3764.00	20.10	308.80	3591.82	607.78	-773.17	983.45	983.46	308.17	2.27
3857.00	20.80	306.70	3678.95	627.66	-798.86	1015.93	1015.94	308.16	1.09
3951.00	20.70	306.50	3766.86	647.52	-825.60	1049.22	1049.23	308.11	.13
4045.00	21.00	306.70	3854.70	667.46	-852.46	1082.66	1082.68	308.06	.33
4139.00	21.00	306.30	3942.46	687.50	-879.54	1116.32	1116.35	308.01	.15
4233.00	19.40	306.30	4030.67	706.72	-905.70	1148.76	1148.80	307.96	1.70
4327.00	16.20	308.30	4120.16	724.09	-928.57	1177.48	1177.52	307.95	3.47
4421.00	14.00	309.40	4210.91	739.44	-947.65	1201.96	1202.00	307.96	2.36
4515.00	9.10	307.00	4302.98	751.13	-962.39	1220.78	1220.81	307.97	5.24
4609.00	9.00	307.10	4395.81	760.04	-974.19	1235.56	1235.60	307.96	.11
4703.00	7.20	309.70	4488.87	768.24	-984.58	1248.80	1248.84	307.96	1.95
4783.00	4.40	312.10	4568.45	773.50	-990.72	1256.87	1256.91	307.98	3.51
PROJECTION TO BIT									
4838.00	2.48	313.75	4623.35	775.74	-993.14	1260.16	1260.20	307.99	3.50

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of KERN

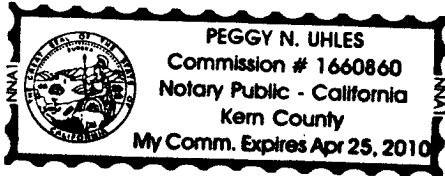
On SEPT 11, 2008 before me, PEGGY N. UHLES, NOTARY PUBLIC

personally appeared

TARYN LAMBERT

Here Insert Name and Title of the Officer

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
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Top of thumb here