

District I
1675 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 30-045-34810		² Pool Code 71599/72319		³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE	
⁴ Property Code 7427		⁵ Property Name RIDDLE B			⁶ Well Number 11N
⁷ OGRID No 14538		⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP.			⁹ Elevation 6302

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
F	23	30-N	10-W		1515	NORTH	1430	WEST	SAN JUAN

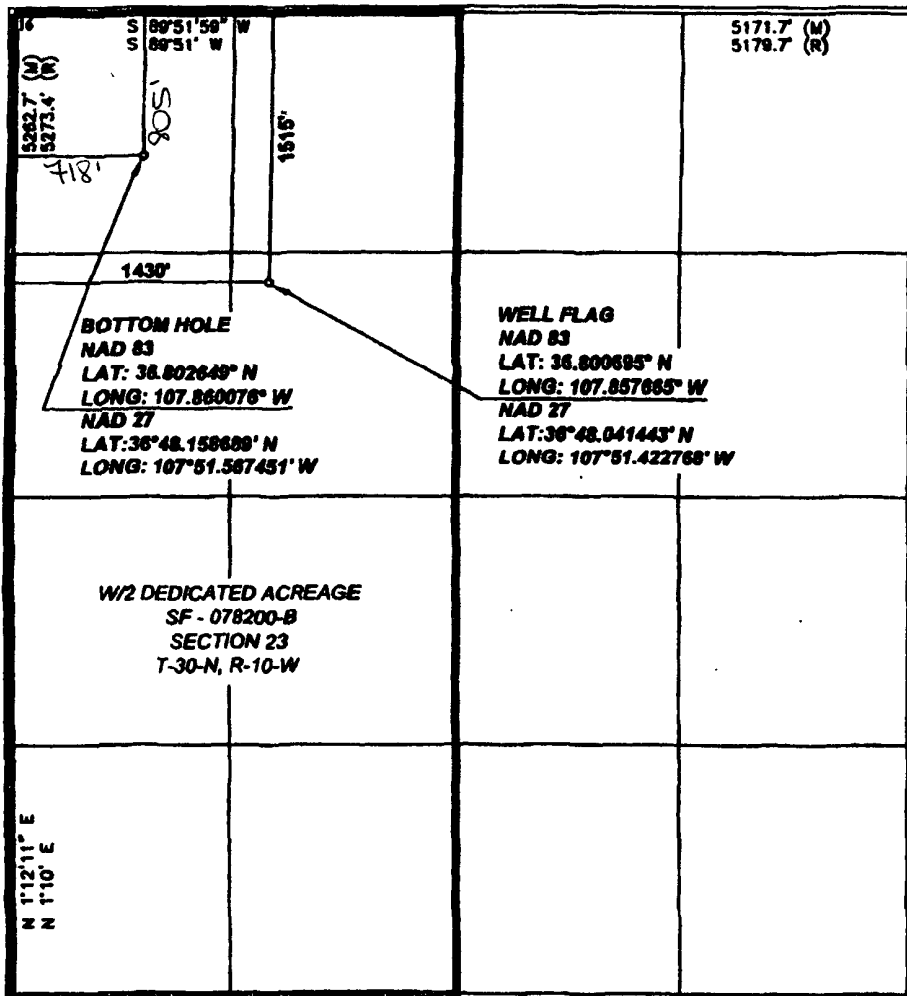
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	23	30-N	10-W	(4)	805'	NORTH	718'	WEST	SAN JUAN

¹² Dedicated Acres 315.56	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	RCVD MAR 6 '09 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 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 Neuman Date: 3-4-09
Printed Name: SASHA NEUMAN

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: _____
Signature and Seal of Professional Surveyor: _____
Certificate Number: _____

provide plat w/ date of survey + surveyor's cert. #

88

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName RIDDLE B #11N	API / UWI 3004534810	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 023-030N-010W-F	N/S Dist (ft) 1,515.00	N/S Ref FNL	E/W Dist (ft) 1,430.00	E/W Ref FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
1/10/2009	0	0.00	MWD	HATHAWAY BURNHAM
1/7/2009	130	1.00	MOTE	MOTE
1/7/2009	231	1.25	MOTE	MOTE
1/10/2009	319	1.00	MWD	HATHAWAY BURNHAM
1/10/2009	411	2.00	MWD	HATHAWAY BURNHAM
1/10/2009	503	5.30	MWD	HATHAWAY BURNHAM
1/10/2009	596	7.50	MWD	HATHAWAY BURNHAM
1/10/2009	688	9.70	MWD	HATHAWAY BURNHAM
1/11/2009	795	13.10	MWD	HATHAWAY BURNHAM
1/11/2009	888	14.40	MWD	HATHAWAY BURNHAM
1/11/2009	978	15.20	MWD	HATHAWAY BURNHAM
1/11/2009	1,068	14.70	MWD	HATHAWAY BURNHAM
1/11/2009	1,158	16.30	MWD	HATHAWAY BURNHAM
1/11/2009	1,248	17.40	MWD	HATHAWAY BURNHAM
1/11/2009	1,338	18.10	MWD	HATHAWAY BURNHAM
1/11/2009	1,427	20.10	MWD	HATHAWAY BURNHAM
1/11/2009	1,517	21.20	MWD	HATHAWAY BURNHAM
1/11/2009	1,607	23.10	MWD	HATHAWAY BURNHAM
1/11/2009	1,697	26.40	MWD	HATHAWAY BURNHAM
1/11/2009	1,787	29.10	MWD	HATHAWAY BURNHAM
1/11/2009	1,877	29.60	MWD	HATHAWAY BURNHAM
1/11/2009	1,967	29.20	MWD	HATHAWAY BURNHAM
1/11/2009	2,057	29.50	MWD	HATHAWAY BURNHAM
1/11/2009	2,147	27.90	MWD	HATHAWAY BURNHAM
1/11/2009	2,236	27.30	MWD	HATHAWAY BURNHAM
1/11/2009	2,326	24.40	MWD	HATHAWAY BURNHAM
1/12/2009	2,416	24.50	MWD	HATHAWAY BURNHAM
1/12/2009	2,506	24.20	MWD	HATHAWAY BURNHAM
1/12/2009	2,596	23.70	MWD	HATHAWAY BURNHAM
1/12/2009	2,686	22.70	MWD	HATHAWAY BURNHAM
1/12/2009	2,776	22.50	MWD	HATHAWAY BURNHAM
1/12/2009	2,866	22.50	MWD	HATHAWAY BURNHAM
1/12/2009	2,956	22.10	MWD	HATHAWAY BURNHAM
1/12/2009	3,046	19.40	MWD	HATHAWAY BURNHAM
1/12/2009	3,136	19.00	MWD	HATHAWAY BURNHAM

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.



Subscribed and sworn to me this March 22nd 2009

Sasha Neumann

Notary Public in and for San Juan County, New Mexico

My Commission expires March 24th 2012

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
1/12/2009	3,225	15.90	MWD	HATHAWAY BURNHAM
1/12/2009	3,316	12.60	MWD	HATHAWAY BURNHAM
1/12/2009	3,406	9.50	MWD	HATHAWAY BURNHAM
1/12/2009	3,495	7.30	MWD	HATHAWAY BURNHAM
1/12/2009	3,586	3.02	MWD	HATHAWAY BURNHAM
1/12/2009	3,676	1.60	MWD	HATHAWAY BURNHAM
1/20/2009	7,648	0.75	FINAL BHS	PHOENIX

RCVD MAR 6 '09
OIL CONS. DIV.

DIST. 3

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.

Subscribed and sworn to me this March 2nd 2009

Sasha Neumann

Notary Public in and for San Juan County, New Mexico

My Commission expires

March 24th 2012



Hathaway Burnham Navigational LLC
DIRECTIONAL AND MWD SERVICES

January, 13 2009

RCVD MAR 6 '09
OIL CONS. DIV.
DIST. 3

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

RE: Final Notarized Survey's Well Riddle B 11N

Dear Ms. Blackwater,

Please find the enclosed final surveys for well Riddle B 11N. I hereby 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

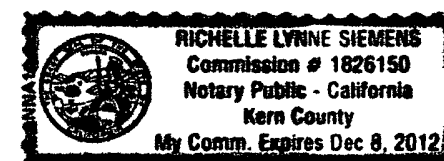
Job Number: NM09401
Company: BURLINGTON RES
Lease/Well: RIDDLE B 11N
Location: 23
Rig Name: HP 281
RKB: ☐
G.L. or M.S.L.: ☐

State/Country: NEW MEXICO
Declination: ☐
Grid: ☐
File name: C:\WINSERVE\NM09401.SVY
Date/Time: 12-Jan-09 / 21:59
Curve Name: AS DRILLED

RCVD MAR 6 '09
OIL CONS. DIV.
DIST. 3

AS DRILLED

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 321.55
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	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
319.00	1.00	132.40	318.98	-1.88	2.06	-2.75	2.78	132.40	.31
411.00	2.00	292.40	410.97	-1.81	1.16	-2.14	2.15	147.21	3.22
503.00	5.30	292.20	502.77	.41	-4.26	2.97	4.28	275.52	3.59
596.00	7.50	290.60	595.18	4.17	-13.92	11.92	14.53	286.68	2.37
688.00	9.70	286.90	686.15	8.54	-26.95	23.45	28.27	287.57	2.46
795.00	13.10	287.80	791.02	14.87	-47.13	40.95	49.42	287.51	3.18
888.00	14.40	286.70	881.35	21.41	-68.24	59.20	71.52	287.42	1.43
978.00	15.20	287.10	968.37	28.10	-90.24	78.12	94.51	287.29	.90
1068.00	14.70	286.70	1055.32	34.85	-112.45	97.22	117.73	287.22	.57

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	
1158.00	16.30	290.70	1142.05	42.59	-135.21	117.43	141.76	287.49	2.14
1248.00	17.40	296.00	1228.19	52.96	-159.12	140.42	167.70	288.41	2.10
1338.00	18.10	305.90	1313.92	67.06	-182.54	166.03	194.47	290.17	3.44
1427.00	20.10	315.90	1398.04	86.15	-204.39	194.57	221.81	292.86	4.30
1517.00	21.20	320.20	1482.26	109.76	-225.57	226.23	250.86	295.95	2.08
1607.00	23.10	320.80	1565.61	135.95	-247.15	260.16	282.07	298.81	2.13
1697.00	26.40	320.60	1647.34	165.10	-271.02	297.83	317.35	301.35	3.67
1787.00	29.10	321.30	1726.98	197.65	-297.40	339.72	357.09	303.61	3.02
1877.00	29.60	320.20	1805.43	231.81	-325.32	383.83	399.46	305.47	.82
1967.00	29.20	319.10	1883.84	265.48	-353.92	427.99	442.42	306.87	.75
2057.00	29.50	318.20	1962.28	298.59	-383.06	472.04	485.69	307.94	.59
2147.00	27.90	319.20	2041.22	331.05	-411.59	515.20	528.21	308.81	1.86
2236.00	27.30	319.50	2120.10	362.33	-438.45	556.41	568.80	309.57	.69
2326.00	24.40	322.70	2201.09	392.82	-463.13	595.63	607.29	310.30	3.57
2416.00	24.50	322.90	2283.02	422.50	-485.65	632.87	643.71	311.02	.14
2506.00	24.20	322.20	2365.01	451.96	-508.21	669.97	680.11	311.65	.46
2596.00	23.70	321.20	2447.26	480.63	-530.85	706.51	716.11	312.16	.72
2686.00	22.70	319.60	2529.98	507.95	-553.44	741.95	751.21	312.55	1.31
2776.00	22.50	321.00	2613.07	534.56	-575.54	776.53	785.49	312.89	.64
2866.00	22.50	322.70	2696.22	561.64	-596.81	810.96	819.53	313.26	.72
2956.00	22.10	322.20	2779.49	588.72	-617.62	845.11	853.25	313.63	.49
3046.00	19.40	324.40	2863.65	614.25	-636.70	876.97	884.70	313.97	3.12
3136.00	19.00	324.00	2948.64	638.26	-654.02	906.54	913.84	314.30	.47
3225.00	15.90	320.70	3033.54	659.42	-670.26	933.21	940.25	314.53	3.65
3316.00	12.60	320.70	3121.72	676.75	-684.44	955.61	962.53	314.68	3.63
3406.00	9.50	323.10	3210.05	690.29	-695.12	972.85	979.64	314.80	3.48
3495.00	7.30	321.20	3298.09	700.57	-703.08	985.85	992.53	314.90	2.49
3586.00	3.02	318.40	3388.70	706.87	-708.29	994.03	1000.67	314.94	4.71
3676.00	1.60	309.70	3478.62	709.45	-710.84	997.62	1004.29	314.94	1.62
Projection to bit									
3721.00	1.00	309.00	3523.61	710.10	-711.62	998.62	1005.31	314.94	1.33

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Kern

RCVD MAR 6 '09
OIL CONS. DIV.
DIST. 3

On 1/22/09 before me, Richelle L. Siemens Notary Public
Date Here Insert Name and Title of the Officer

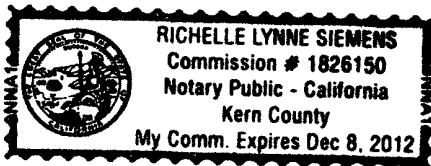
personally appeared Taryn Lambert
Name(s) of Signer(s)

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 Richelle L. Siemens
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