

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

RCVD DEC 2 '08

OIL CONS. DIV.

WELL LOCATION AND ACREAGE DEDICATION PLAN

DIST. 2

*API Number 30-039-30363	*Pool Code 72319/71599	*Pool Name Blanco Mesaverde / Basin Dakota
*Property Code 7460	*Property Name SAN JUAN 28-5 UNIT	*Well Number 77N
*OGRIID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 6917'

10 Surface Location

UL or lot no. B	Section 27	Township 28N	Range 5W	Lot Idn	Feet from the 1185	North/South line NORTH	Feet from the 1935	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 27	Township 28N	Range 5W	Lot Idn	Feet from the 822	North/South line NORTH	Feet from the 729	East/West line EAST	County RIO ARriba
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12 Dedicated Acres 320 acres N/2 MV/DK	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	SURFACE LOCATION LAT: 36.63624°N LONG: 107.34418°W DATUM: NAD83 LAT: 36.38.1738°N LONG: 107.20.6147°W DATUM: NAD27 LEASE USA SF-079520	5291.88'	1185'	1231.6' N76°48.9'E	729'	1935'	1445'	5280.00'
				17 OPERATOR CERTIFICATION				
				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.				
				Signature Kelly J. Jolly				
				Printed Name Regulatory Technician				
				Title 11-24-08				
				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: MAY 18, 2006				
				Signature and Seal of Professional Surveyor				
								
				JASON C. EDWARDS				
				Certificate Number 15269				

8 1/2



Hathaway Burnham Navigational LLC
DIRECTIONAL AND MWD SERVICES

July 10, 2008

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

RCVD DEC 2 '08

OIL CONS. DIV.

DIST. 3

RE: Final Notarized Survey's for Well San Juan 28-5 Unit #77N

Dear Ms. Blackwater,

Please find the enclosed final surveys for well San Juan 28-5 UNIT #77-N. I hereby certify, to the best of my knowledge, these surveys are true and correct.

Sincerely,

A handwritten signature in black ink, appearing to be 'Taryn Lambert'. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Taryn Lambert
Hathaway Burnham Navigational LLC



Job Number: NM08011

Company: BURLINGTON RESOURCES

Lease/Well: SJ 27-5 UNIT #77N

Location: SECTION 27

Rig Name: AWS #730

RKB:

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

State/Country: NEW MEXICO/USA

Declination: 10.05

Grid:

File name: C:\WINSERVE\NM08011.SVY

Date/Time: 10-Jul-08 / 12:16

Curve Name: AS DRILLED

Hathaway Burnham LLC

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 76.18
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

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OIL CONS. DIV.
DIST. 3

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
285.00	.20	98.70	285.00	-.08	.49	.46	.50	98.70	.07
400.00	1.70	87.50	399.98	-.03	2.39	2.32	2.39	90.75	1.31
522.00	2.40	83.80	521.90	.32	6.74	6.62	6.75	87.25	.58
614.00	3.90	77.50	613.76	1.21	11.71	11.66	11.77	84.11	1.67
706.00	5.20	75.80	705.47	2.91	18.81	18.96	19.03	81.21	1.42
797.00	6.70	78.10	795.98	5.02	28.00	28.39	28.45	79.85	1.67
890.00	8.40	91.20	888.17	5.99	40.10	40.37	40.55	81.50	2.59
982.00	11.00	98.80	978.85	4.51	55.50	54.97	55.68	85.36	3.14
1108.00	13.40	95.10	1102.00	1.37	81.92	79.88	81.94	89.04	2.00
1202.00	15.70	93.90	1192.98	-.46	105.47	102.30	105.47	90.25	2.47
1298.00	18.00	92.80	1284.85	-2.07	133.24	128.89	133.26	90.89	2.42
1392.00	20.70	86.20	1373.55	-1.68	164.34	159.18	164.34	90.59	3.69
1485.00	23.20	82.20	1459.80	1.90	198.89	193.59	198.90	89.45	3.13
1581.00	24.60	75.00	1547.59	9.64	236.94	232.38	237.13	87.67	3.37
1676.00	25.80	69.00	1633.56	22.17	275.35	272.67	276.24	85.40	2.97
1771.00	24.70	66.60	1719.48	37.46	312.86	312.75	315.10	83.17	1.58
1865.00	23.10	67.00	1805.42	52.46	347.86	350.33	351.80	81.42	1.71
1957.00	22.40	69.70	1890.26	65.60	380.92	385.56	386.53	80.23	1.37
2051.00	22.70	71.90	1977.08	77.45	414.96	421.45	422.12	79.43	.95
2147.00	23.00	72.40	2065.54	88.87	450.44	458.63	459.13	78.84	.37
2239.00	22.50	75.00	2150.39	98.86	484.58	494.17	494.56	78.47	1.22
2333.00	22.50	75.20	2237.23	108.11	519.34	530.13	530.48	78.24	.08

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	
2427.00	22.00	74.60	2324.23	117.38	553.71	565.72	566.01	78.03	.58
2521.00	21.70	73.80	2411.48	126.91	587.37	600.68	600.92	77.81	.45
2616.00	22.30	74.10	2499.56	136.74	621.57	636.24	636.43	77.59	.64
2711.00	22.30	73.50	2587.46	146.80	656.19	672.26	672.41	77.39	.24
2806.00	21.80	74.40	2675.51	156.66	690.46	707.89	708.01	77.22	.64
2898.00	20.80	74.50	2761.22	165.62	722.65	741.30	741.39	77.09	1.09
2993.00	19.90	73.60	2850.29	174.70	754.42	774.31	774.38	76.96	1.00
3087.00	20.10	73.90	2938.63	183.69	785.28	806.43	806.48	76.83	.24
3181.00	20.30	73.40	3026.84	192.83	816.43	838.86	838.89	76.71	.28
3276.00	20.00	73.20	3116.03	202.23	847.77	871.54	871.56	76.58	.32
3370.00	21.50	73.20	3203.93	211.86	879.65	904.80	904.81	76.46	1.60
3462.00	21.90	72.70	3289.41	221.83	912.18	938.76	938.76	76.33	.48
3556.00	21.40	73.00	3376.78	232.06	945.31	973.38	973.38	76.21	.54
3651.00	21.40	70.70	3465.23	242.86	978.25	1007.94	1007.94	76.06	.88
3746.00	21.70	70.60	3553.59	254.42	1011.17	1042.67	1042.69	75.88	.32
3841.00	20.60	70.10	3642.19	265.94	1043.45	1076.77	1076.81	75.70	1.17
3934.00	17.60	70.70	3730.06	276.16	1072.11	1107.04	1107.11	75.56	3.23
4029.00	17.10	68.90	3820.74	285.94	1098.70	1135.19	1135.30	75.41	.77
4124.00	14.80	72.50	3912.08	294.61	1123.30	1161.16	1161.30	75.30	2.63
4219.00	12.00	73.30	4004.48	301.10	1144.34	1183.14	1183.29	75.26	2.95
4313.00	10.80	74.80	4096.62	306.22	1162.20	1201.70	1201.86	75.24	1.31
4407.00	8.60	80.60	4189.28	309.68	1177.63	1217.52	1217.67	75.27	2.56
4466.00	8.10	81.70	4247.65	311.00	1186.10	1226.05	1226.19	75.31	.89
4498.00	7.80	81.90	4279.34	311.63	1190.48	1230.46	1230.59	75.33	.94
4529.00	6.30	84.30	4310.11	312.09	1194.25	1234.23	1234.36	75.35	4.93
4560.00	5.40	85.00	4340.95	312.39	1197.40	1237.36	1237.48	75.38	2.91
4592.00	4.70	86.80	4372.82	312.59	1200.21	1240.13	1240.25	75.40	2.24
4623.00	3.90	86.60	4403.74	312.73	1202.53	1242.42	1242.53	75.42	2.58
PROJECTION TO BIT									
4685.00	3.10	86.60	4465.62	312.95	1206.31	1246.14	1246.24	75.46	1.29

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

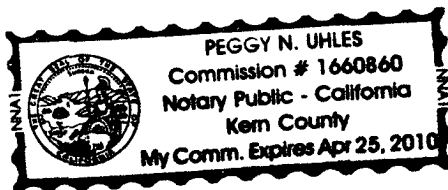
County of KERN

RCVD DEC 2 '08

OIL CONS. DIV.
DIST. 3

On JULY 15, 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: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER

Top of thumb here



COP Deviation Report

SAN JUAN 28-5 UNIT #77N

Operator BURLINGTON RESOURCES OIL & GAS COMPANY	Legal WellName SAN JUAN 28-5 UNIT #77N	API / UWI 3003930363	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 027-28N-005W	N/S Dist (ft) 1,185.00	N/S Ref FNL	E/W Dist (ft) 1,935.00	E/W Ref FEL

Survey Data					Survey Company
Date	MD (ftKB)	Incl (")	Method		
7/4/2008	285.00	0.20	MWD		H&B
7/4/2008	400.00	1.70	MWD		H&B
7/4/2008	522.00	2.40	MWD		H&B
7/4/2008	614.00	3.90	MWD		H&B
7/4/2008	706.00	5.20	MWD		H&B
7/4/2008	797.00	6.70	MWD		H&B
7/4/2008	890.00	8.40	MWD		H&B
7/4/2008	982.00	11.00	MWD		H&B
7/4/2008	1,108.00	13.40	MWD		H&B
7/4/2008	1,202.00	15.70	MWD		H&B
7/4/2008	1,298.00	18.00	MWD		H&B
7/4/2008	1,392.00	20.70	MWD		H&B
7/4/2008	1,485.00	23.20	MWD		H&B
7/4/2008	1,581.00	24.60	MWD		H&B
7/4/2008	1,676.00	25.80	MWD		H&B
7/4/2008	1,771.00	24.70	MWD		H&B
7/4/2008	1,865.00	23.10	MWD		H&B
7/4/2008	1,957.00	22.40	MWD		H&B
7/4/2008	2,051.00	22.70	MWD		H&B
7/4/2008	2,147.00	23.00	MWD		H&B
7/4/2008	2,239.00	22.50	MWD		H&B
7/4/2008	2,333.00	22.50	MWD		H&B
7/4/2008	2,427.00	22.00	MWD		H&B
7/6/2008	2,521.00	21.70	MWD		H&B
7/6/2008	2,616.00	22.30	MWD		H&B
7/6/2008	2,711.00	22.30	MWD		H&B
7/6/2008	2,806.00	21.80	MWD		H&B
7/6/2008	2,898.00	20.80	MWD		H&B
7/6/2008	2,993.00	19.90	MWD		H&B
7/6/2008	3,087.00	20.10	MWD		H&B
7/6/2008	3,181.00	20.30	MWD		H&B
7/6/2008	3,276.00	20.00	MWD		H&B
7/6/2008	3,370.00	21.50	MWD		H&B
7/7/2008	3,462.00	21.90	MWD		H&B
7/7/2008	3,556.00	21.40	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 _____

COP Deviation Report
SAN JUAN 28-5 UNIT #77N

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
7/7/2008	3,651.00	21.40	MWD	H&B	
7/7/2008	3,746.00	21.70	MWD	H&B	
7/7/2008	3,841.00	20.60	MWD	H&B	
7/7/2008	3,934.00	17.60	MWD	H&B	
7/7/2008	4,029.00	17.10	MWD	H&B	
7/7/2008	4,124.00	14.80	MWD	H&B	
7/8/2008	4,219.00	12.00	MWD	H&B	
7/8/2008	4,313.00	10.80	MWD	H&B	
7/8/2008	4,407.00	8.60	MWD	H&B	
7/8/2008	4,466.00	8.10	MWD	H&B	
7/8/2008	4,498.00	7.80	MWD	H&B	
7/8/2008	4,529.00	6.30	MWD	H&B	
7/8/2008	4,560.00	5.40	MWD	H&B	
7/8/2008	4,592.00	4.70	MWD	H&B	
7/8/2008	4,623.00	3.90	MWD	H&B	
7/24/2008	8,574.00	1.25	Incl	TOTCO	

RCVD DEC 2 '08
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.

Phil Galt

Subscribed and sworn to me this 11/24/08

[Signature]
Notary Public in and for San Juan County, New Mexico

My Commission expires 10/9/12