

RCVD MAY 21 '09
OIL CONS. DIV.
DIST. 3

DISTRICT I
1625 E. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1200 E. 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

AS DRILLED PLAT

Form C-102
Revised October 12, 2006

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30374		² Pool Code 72319/71599		³ Pool Name Blanco Mesaverde/Basin Dakota	
⁴ Property Code 31327		⁵ Property Name SAN JUAN 30-5 UNIT			⁶ Well Number 73N
⁷ DEED No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY			⁹ Elevation 6527'

¹⁰ Surface Location

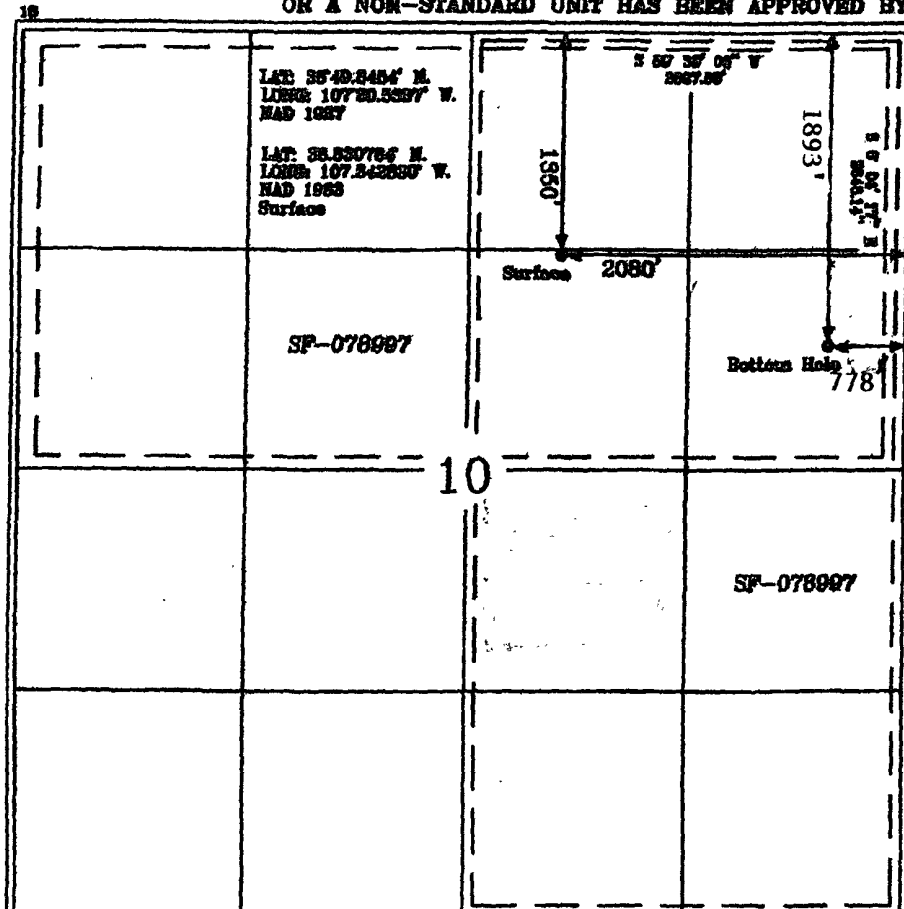
US or Lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
G	10	30-N	5-W		1350'	NORTH	2080'	EAST	RIO ARriba

¹¹ Bottom Hole Location if Different From Surface

US or Lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
H	10	30-N	5-W		1893'	NORTH	778'	EAST	RIO ARriba

¹² Dedicated Acreage 320. N/2 DK 320.00 E/2 SW		¹³ Joint or split	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



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: *Tracey N. Monroe* Date: 5/20/09

Printed Name: Tracey N. Monroe

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.

2/28/07

Date of Survey

Signature and Seal of Professional Surveyor:

15703

Certificate Number



Hathaway Burnham Navigational LLC
DIRECTIONAL AND MWD SERVICES

RCVD MAY 21 '09

OIL CONS. DIV.

DIST. 3

October 26, 2008

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

RE: Final Notarized Survey's Well San Juan 30-5 #73N

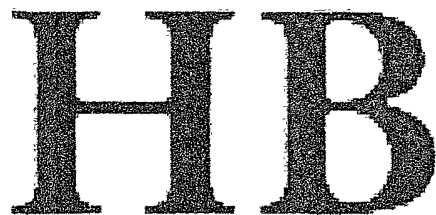
Dear Ms. Blackwater,

Please find the enclosed final surveys for well San Juan 30-5 #73N. I herby 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', written in black ink.

Taryn Lambert
Hathaway Burnham Navigational LLC



Job Number:
Company:
Lease/Well:
Location:
Rig Name:
RKB:
G.L. or M.S.L.:

State/Country:
Declination:
Grid:
File name: C:\WINSERVE\NM08405.SVY
Date/Time: 28-Oct-08 / 21:16
Curve Name: AS DRILLED

RCVD MAY 21 '09

OIL CONS. DIV.

DIST. 3

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 112.38
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</i>		<i>Dogleg Severity Deg/100</i>
							<i>Distance FT</i>	<i>Direction Deg</i>	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
256.00	1.00	155.40	255.99	-2.03	.93	1.63	2.23	155.40	.39
347.00	2.10	119.10	346.95	-3.56	2.72	3.87	4.48	142.68	1.56
439.00	4.00	104.60	438.82	-5.19	7.30	8.72	8.96	125.44	2.21
534.00	6.00	104.20	533.45	-7.25	15.32	16.92	16.94	115.32	2.11
626.00	8.70	103.40	624.69	-10.04	26.75	28.56	28.57	110.57	2.94
716.00	11.50	105.20	713.29	-13.97	42.03	44.18	44.29	108.38	3.13
811.00	14.00	109.60	805.94	-20.31	62.00	65.06	65.24	108.14	2.82
906.00	16.50	111.70	897.59	-29.15	85.36	90.03	90.20	108.86	2.69
1001.00	19.30	114.50	987.98	-40.65	112.19	119.22	119.33	109.92	3.08
1096.00	21.60	114.30	1076.99	-54.36	142.42	152.39	152.44	110.89	2.42

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	
1191.00	23.50	114.10	1164.72	-69.29	175.65	188.80	188.82	111.53	2.00
1286.00	24.30	114.20	1251.57	-85.04	210.76	227.27	227.27	111.97	.84
1381.00	24.70	113.70	1338.02	-101.03	246.77	266.65	266.65	112.26	.47
1477.00	24.00	113.00	1425.48	-116.72	283.11	306.22	306.22	112.41	.79
1572.00	24.40	112.00	1512.13	-131.62	319.08	345.17	345.17	112.42	.60
1667.00	25.10	112.10	1598.41	-146.55	355.95	384.94	384.94	112.38	.74
1763.00	23.60	112.40	1685.86	-161.54	392.58	424.52	424.52	112.37	1.57
1857.00	23.60	111.90	1772.00	-175.73	427.44	462.15	462.15	112.35	.21
1952.00	23.60	111.70	1859.06	-189.85	462.75	500.18	500.18	112.31	.08
2048.00	23.60	111.70	1947.03	-204.06	498.46	538.61	538.61	112.26	.00
2143.00	23.20	113.90	2034.21	-218.67	533.24	576.33	576.33	112.30	1.01
2238.00	23.00	113.70	2121.60	-233.71	567.34	613.59	613.59	112.39	.23
2333.00	23.00	114.70	2209.05	-248.93	601.20	650.69	650.69	112.49	.41
2428.00	22.70	115.10	2296.59	-264.46	634.66	687.55	687.55	112.62	.36
2523.00	22.70	112.50	2384.23	-279.25	668.19	724.19	724.20	112.68	1.06
2619.00	22.50	112.70	2472.86	-293.43	702.25	761.08	761.09	112.68	.22
2714.00	21.60	112.70	2560.91	-307.19	735.15	796.74	796.76	112.68	.95
2809.00	22.70	112.90	2648.90	-321.07	768.17	832.56	832.57	112.68	1.16
2904.00	22.30	111.90	2736.67	-334.93	801.78	868.91	868.93	112.67	.58
3000.00	22.50	111.50	2825.43	-348.46	835.77	905.49	905.50	112.63	.26
3095.00	22.10	111.30	2913.32	-361.61	869.33	941.54	941.54	112.59	.43
3190.00	21.50	110.60	3001.53	-374.23	902.28	976.81	976.81	112.53	.69
3286.00	21.10	110.30	3090.97	-386.41	934.95	1011.66	1011.66	112.45	.43
3317.00	20.40	110.30	3119.96	-390.22	945.26	1022.63	1022.63	112.43	2.26
3381.00	20.50	111.00	3179.92	-398.11	966.18	1044.98	1044.98	112.39	.41
3475.00	21.80	111.80	3267.59	-410.49	997.75	1078.89	1078.89	112.36	1.42
3568.00	21.60	115.20	3354.00	-424.19	1029.28	1113.26	1113.26	112.40	1.37
3666.00	23.60	114.50	3444.47	-440.01	1063.45	1150.88	1150.89	112.48	2.06
3761.00	23.20	113.70	3531.66	-455.41	1097.89	1188.60	1188.60	112.53	.54
3857.00	21.70	112.20	3620.38	-469.72	1131.64	1225.25	1225.25	112.54	1.67

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	
3952.00	20.40	112.50	3709.04	-482.69	1163.20	1259.37	1259.38	112.54	1.37
4047.00	17.30	113.80	3798.94	-494.73	1191.43	1290.06	1290.06	112.55	3.29
4142.00	14.10	111.80	3890.38	-504.73	1215.10	1315.76	1315.76	112.56	3.42
4237.00	11.30	111.90	3983.05	-512.50	1234.49	1336.64	1336.64	112.55	2.95
4332.00	11.40	112.90	4076.19	-519.63	1251.77	1355.33	1355.34	112.54	.23
4427.00	9.90	114.70	4169.55	-526.70	1267.84	1372.88	1372.89	112.56	1.62
4523.00	8.00	116.70	4264.38	-533.15	1281.31	1387.79	1387.80	112.59	2.01
4617.00	6.40	112.50	4357.63	-538.09	1291.99	1399.55	1399.57	112.61	1.79
4690.00	4.40	114.50	4430.31	-540.81	1298.30	1406.42	1406.43	112.61	2.75
Projection to Bit									
4755.00	3.00	114.70	4495.17	-542.55	1302.11	1410.61	1410.63	112.62	2.15

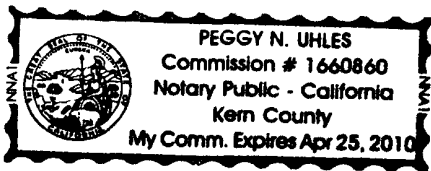
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of KERN

On NOV 12, 2008 before me, PEGGY N. UHLES, NOTARY PUBLIC

personally appeared TARYN LAMBERT



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

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 Documents: _____

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 30-5 UNIT #73N

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
10/26/2008	3,475.00	21.80	DEVIATION	H&B
10/26/2008	3,568.00	21.60	DEVIATION	H&B
10/26/2008	3,666.00	23.60	DEVIATION	H&B
10/26/2008	3,761.00	23.20	DEVIATION	H&B
10/26/2008	3,857.00	21.70	DEVIATION	H&B
10/26/2008	3,952.00	20.40	DEVIATION	H&B
10/26/2008	4,047.00	17.30	DEVIATION	H&B
10/26/2008	4,142.00	14.10	DEVIATION	H&B
10/26/2008	4,237.00	11.30	DEVIATION	H&B
10/26/2008	4,332.00	11.40	DEVIATION	H&B
10/26/2008	4,427.00	9.90	DEVIATION	H&B
10/26/2008	4,523.00	8.00	DEVIATION	H&B
10/26/2008	4,617.00	6.40	DEVIATION	H&B
10/26/2008	4,690.00	4.40	DEVIATION	H&B
10/26/2008	4,755.00	3.00	DEVIATION	H&B
11/6/2008	8,216.00	1.00	SINGLE	PHOENIX

RCVD MAY 21 '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.

Alb G. Galt

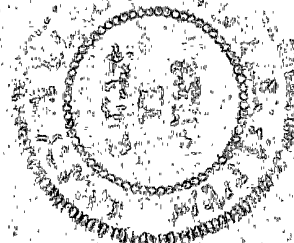
Subscribed and sworn to me this 19TH DAY OF MAY 2009

Nancy W. Moore

Notary Public in and for San Juan County, New Mexico

My Commission expires

Jan 24, 2011





COP Deviation Report

SAN JUAN 30-5 UNIT #73N

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 30-5 UNIT #73N	API / UWI 3003930374	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 010-030N-005W-G	N/S Dist (ft) 1,350.00	N/S Ref FNL	E/W Dist (ft) 2,080.00	E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
10/21/2008	0.00	0.00	DEVIATION	H&B
10/21/2008	256.00	1.00	DEVIATION	H&B
10/21/2008	347.00	2.10	DEVIATION	H&B
10/21/2008	439.00	4.00	DEVIATION	H&B
10/21/2008	534.00	6.00	DEVIATION	H&B
10/21/2008	626.00	8.70	DEVIATION	H&B
10/21/2008	716.00	11.50	DEVIATION	H&B
10/21/2008	811.00	14.00	DEVIATION	H&B
10/22/2008	906.00	16.50	DEVIATION	H&B
10/22/2008	1,001.00	19.30	DEVIATION	H&B
10/22/2008	1,096.00	21.60	DEVIATION	H&B
10/22/2008	1,191.00	23.50	DEVIATION	H&B
10/22/2008	1,286.00	24.30	DEVIATION	H&B
10/22/2008	1,381.00	24.70	DEVIATION	H&B
10/22/2008	1,477.00	24.00	DEVIATION	H&B
10/22/2008	1,572.00	24.40	DEVIATION	H&B
10/22/2008	1,667.00	25.10	DEVIATION	H&B
10/22/2008	1,763.00	23.60	DEVIATION	H&B
10/23/2008	1,857.00	23.60	DEVIATION	H&B
10/23/2008	1,952.00	23.60	DEVIATION	H&B
10/23/2008	2,048.00	23.60	DEVIATION	H&B
10/23/2008	2,143.00	23.20	DEVIATION	H&B
10/23/2008	2,238.00	23.00	DEVIATION	H&B
10/23/2008	2,333.00	23.00	DEVIATION	H&B
10/23/2008	2,428.00	22.70	DEVIATION	H&B
10/23/2008	2,523.00	22.70	DEVIATION	H&B
10/24/2008	2,619.00	22.50	DEVIATION	H&B
10/24/2008	2,714.00	21.60	DEVIATION	H&B
10/24/2008	2,809.00	22.70	DEVIATION	H&B
10/24/2008	2,904.00	22.30	DEVIATION	H&B
10/24/2008	3,000.00	22.50	DEVIATION	H&B
10/24/2008	3,095.00	22.10	DEVIATION	H&B
10/25/2008	3,190.00	21.50	DEVIATION	H&B
10/25/2008	3,286.00	21.10	DEVIATION	H&B
10/25/2008	3,317.00	20.40	DEVIATION	H&B
10/25/2008	3,381.00	20.50	DEVIATION	H&B

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.

Alt Galt

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____