

"AS Drilled" Plat

DISTRICT I
1025 N. French Dr., Hobbs, N.M. 88240

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

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87506

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

RECEIVED

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

DEC 3 2007

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30128		*Pool Code 71599772319	*Pool Name DAKOTA/MESAVERDE
*Property Code 31327	*Property Name SAN JUAN 30-6 UNIT		*Well Number 27F
*GRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6379'

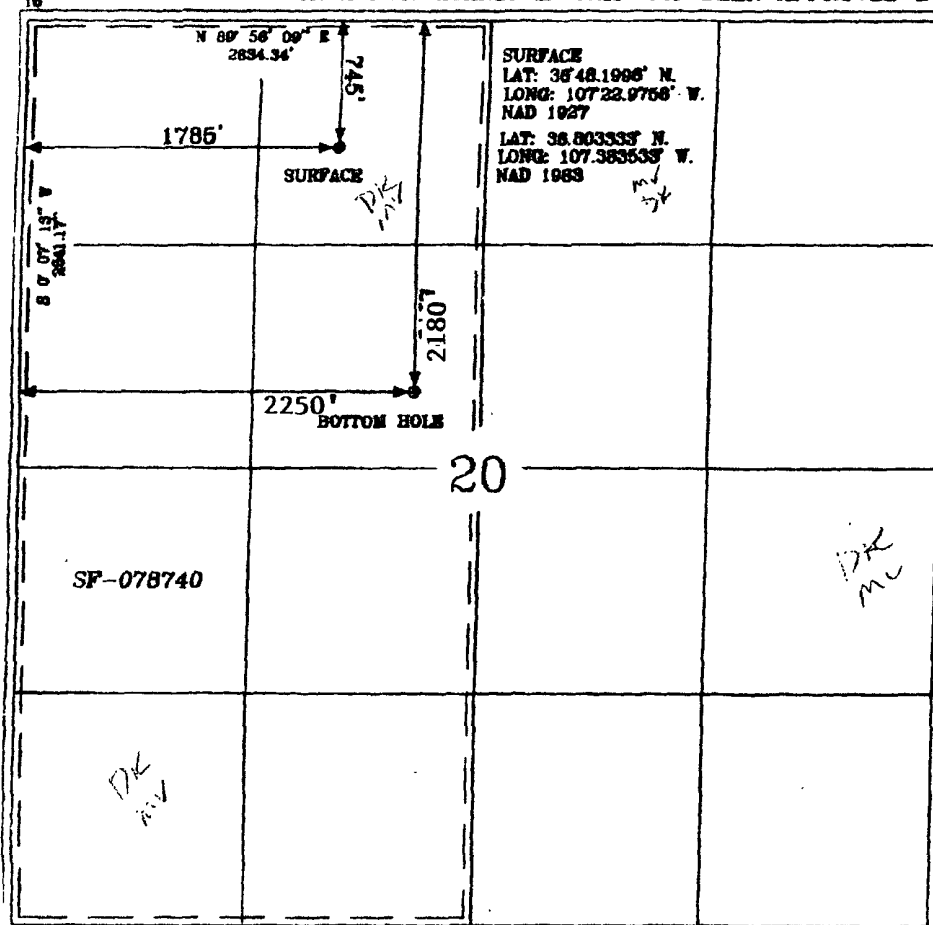
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	20	30-N	5-W		745'	NORTH	1785'	WEST	RIO ARriba

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
F	20	30-N	5-W		2180'	NORTH	2250'	WEST	RIO ARriba
*Dedicated Acres 320		*Joint or Infill		*Consolidation Code		*Order No.		RCVD JUL 7 '09 OIL CONS. DIV. DIST. 3	

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 undivided 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 working or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Jamie Goodwin*
Printed Name: Jamie Goodwin 06/30/2009

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: 8-24-07
Signature: *GEN W. RUSSELL*
Printed Name: GEN W. RUSSELL
Surveyor: GEN W. RUSSELL
Certificate Number: 15703

HOLD C104 FOR NSL in Basin Dakota

8/13

COP Deviation Report
SAN JUAN 30-5 UNIT #27F

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 30-5 UNIT #27F	API / UWI 3003930128	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 020-030N-005W-C	N/S Dist (ft) 745.00	N/S Ref FNL	E/W Dist (ft) 1,785.00	E/W Ref FWL

Survey Data					
Date	MD (HKB)	Incl (°)	Method		Survey Company
11/2/2008	0.00	0.00	MWD	H & B	
11/2/2008	251.00	0.20	MWD	H & B	
11/2/2008	344.00	2.20	MWD	H & B	
11/2/2008	435.00	4.10	MWD	H & B	
11/2/2008	526.00	6.50	MWD	H & B	
11/2/2008	620.00	9.50	MWD	H & B	
11/3/2008	710.00	11.70	MWD	H & B	
11/3/2008	800.00	14.70	MWD	H & B	
11/3/2008	890.00	17.90	MWD	H & B	
11/3/2008	980.00	20.70	MWD	H & B	
11/3/2008	1,070.00	23.50	MWD	H & B	
11/3/2008	1,160.00	24.50	MWD	H & B	
11/3/2008	1,249.00	24.60	MWD	H & B	
11/3/2008	1,339.00	24.50	MWD	H & B	
11/3/2008	1,429.00	24.30	MWD	H & B	
11/4/2008	1,519.00	24.50	MWD	H & B	
11/4/2008	1,609.00	24.80	MWD	H & B	
11/4/2008	1,699.00	23.00	MWD	H & B	
11/4/2008	1,789.00	22.90	MWD	H & B	
11/4/2008	1,879.00	23.60	MWD	H & B	
11/4/2008	1,969.00	23.60	MWD	H & B	
11/4/2008	2,059.00	22.00	MWD	H & B	
11/4/2008	2,148.00	20.30	MWD	H & B	
11/4/2008	2,239.00	20.30	MWD	H & B	
11/4/2008	2,330.00	21.80	MWD	H & B	
11/4/2008	2,419.00	24.40	MWD	H & B	
11/4/2008	2,509.00	24.40	MWD	H & B	
11/4/2008	2,599.00	24.80	MWD	H & B	
11/4/2008	2,688.00	24.90	MWD	H & B	
11/4/2008	2,778.00	24.60	MWD	H & B	
11/4/2008	2,868.00	23.50	MWD	H & B	
11/5/2008	2,959.00	21.80	MWD	H & B	
11/5/2008	3,049.00	22.10	MWD	H & B	
11/5/2008	3,139.00	22.20	MWD	H & B	
11/5/2008	3,228.00	22.10	MWD	H & B	
11/5/2008	3,318.00	22.90	MWD	H & B	

RCVD JUL 7 '09
OIL CONS. DIV.
DIST. 3

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 (RKB)	Incl (°)	Method	Survey Company
11/5/2008	3,408.00	22.90	MWD	H & B
11/6/2008	3,498.00	24.80	MWD	H & B
11/6/2008	3,588.00	24.10	MWD	H & B
11/6/2008	3,678.00	23.90	MWD	H & B
11/6/2008	3,768.00	23.70	MWD	H & B
11/9/2008	3,850.00	22.90	MWD	H & B
11/9/2008	3,940.00	21.10	MWD	H & B
11/9/2008	4,030.00	19.60	MWD	H & B
11/9/2008	4,120.00	18.40	MWD	H & B
11/9/2008	4,210.00	17.30	MWD	H & B
11/9/2008	4,300.00	15.20	MWD	H & B
11/9/2008	4,389.00	14.80	MWD	H & B
11/9/2008	4,479.00	13.60	MWD	H & B
11/10/2008	4,569.00	12.90	MWD	H & B
11/10/2008	4,659.00	10.20	MWD	H & B
11/10/2008	4,749.00	7.50	MWD	H & B
11/10/2008	4,839.00	4.40	MWD	H & B
11/24/2008	8,142.00	0.25	FINAL BHS	PHOENIX

I, the undersigned, certify that I acting in my capacity as D. H. G. & S. J. A. C. 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

June 30, 2009

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires

Feb 28, 2012



Hathaway Burnham Navigational LLC
DIRECTIONAL AND MWD SERVICES

November 10, 2008

RCVD JUL 7 '09

OIL CONS. DIV.

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

DIST. 3

RE: Final Notarized Survey's Well San Juan 30-5 #27F

Dear Ms. Blackwater,

Please find the enclosed final surveys for well San Juan 30-5 #27F. I hereby 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'.

Taryn Lambert
Hathaway Burnham Navigational LLC

HB

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

State/Country:
Declination:
Grid:
File name: C:\WINSERVE\NM08406.SVY
Date/Time: 11-Nov-08 / 13:15
Curve Name: As Drilled

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 161.99
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

RCVD JUL 7 '09
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		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
251.00	.20	87.90	251.00	.02	.44	.12	.44	87.90	.08
344.00	2.20	123.40	343.97	-.96	2.09	1.56	2.30	114.68	2.19
435.00	4.10	144.60	434.84	-4.57	5.43	6.03	7.10	130.09	2.42
526.00	6.50	154.80	525.44	-11.89	9.51	14.25	15.22	141.34	2.82
620.00	9.50	161.50	618.52	-24.06	14.24	27.29	27.96	149.38	3.34
710.00	11.70	164.70	706.98	-39.91	19.00	43.83	44.20	154.54	2.53
800.00	14.70	172.30	794.60	-60.03	22.94	64.19	64.27	159.08	3.84
890.00	17.90	170.60	880.97	-85.00	26.73	89.10	89.11	162.54	3.59
980.00	20.70	169.20	965.90	-114.28	31.97	118.56	118.67	164.37	3.15
1070.00	23.50	166.50	1049.28	-147.36	39.15	152.24	152.47	165.12	3.31
1160.00	24.50	163.70	1131.50	-182.72	48.57	188.78	189.06	165.11	1.68

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	
1249.00	24.60	161.80	1212.46	-218.03	59.54	225.75	226.01	164.73	.89
1339.00	24.50	159.90	1294.33	-253.35	71.80	263.14	263.33	164.18	.88
1429.00	24.30	160.60	1376.29	-288.34	84.37	300.30	300.43	163.69	.39
1519.00	24.50	158.90	1458.25	-323.22	97.24	337.44	337.53	163.26	.81
1609.00	24.80	158.70	1540.05	-358.21	110.81	374.92	374.96	162.81	.35
1699.00	23.00	157.00	1622.33	-391.99	124.54	411.29	411.30	162.37	2.14
1789.00	22.90	157.00	1705.20	-424.29	138.25	446.25	446.25	161.95	.11
1879.00	23.60	156.20	1787.90	-456.89	152.36	481.62	481.63	161.56	.85
1969.00	23.60	164.30	1870.39	-490.73	164.51	517.55	517.57	161.47	3.60
2059.00	22.00	170.20	1953.37	-524.69	172.26	552.24	552.25	161.82	3.10
2148.00	20.30	169.20	2036.37	-556.29	177.99	584.06	584.07	162.26	1.95
2239.00	20.30	169.80	2121.72	-587.33	183.74	615.36	615.40	162.63	.23
2330.00	21.80	169.70	2206.64	-619.49	189.56	647.75	647.84	162.99	1.65
2419.00	24.40	167.80	2288.50	-653.73	196.40	682.42	682.59	163.28	3.04
2509.00	24.40	165.20	2370.46	-689.87	205.08	719.47	719.71	163.44	1.19
2599.00	24.80	162.10	2452.30	-725.81	215.63	756.91	757.16	163.45	1.50
2688.00	24.90	158.50	2533.06	-761.00	228.23	794.28	794.49	163.31	1.70
2778.00	24.60	157.70	2614.80	-795.96	242.28	831.87	832.02	163.07	.50
2868.00	23.50	157.80	2696.98	-829.91	256.17	868.45	868.55	162.85	1.22
2959.00	21.80	155.50	2780.96	-862.09	270.04	903.34	903.39	162.61	2.11
3049.00	22.10	156.90	2864.44	-892.87	283.61	936.80	936.83	162.38	.67
3139.00	22.20	157.80	2947.80	-924.18	296.67	970.63	970.63	162.20	.39
3228.00	22.10	162.10	3030.23	-955.68	308.17	1004.14	1004.14	162.13	1.82
3318.00	22.90	167.90	3113.39	-988.92	317.05	1038.49	1038.50	162.22	2.62
3408.00	22.90	171.60	3196.30	-1023.36	323.28	1073.18	1073.21	162.47	1.60
3498.00	24.80	165.90	3278.63	-1059.00	330.44	1109.28	1109.36	162.67	3.32
3588.00	24.10	162.00	3360.56	-1094.79	340.71	1146.49	1146.58	162.71	1.95
3678.00	23.90	158.80	3442.78	-1129.26	352.99	1183.07	1183.14	162.64	1.46
3768.00	23.70	157.70	3525.13	-1162.99	366.44	1219.31	1219.36	162.51	.54
3850.00	22.90	157.00	3600.44	-1192.93	378.93	1251.64	1251.67	162.38	1.03
3940.00	21.10	154.20	3683.89	-1223.64	392.82	1285.13	1285.14	162.20	2.31
4030.00	19.60	155.10	3768.27	-1251.91	406.23	1316.17	1316.17	162.02	1.70

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	
4120.00	18.40	155.90	3853.36	-1278.57	418.39	1345.28	1345.29	161.88	1.36
4210.00	17.30	161.10	3939.03	-1304.20	428.52	1372.79	1372.80	161.81	2.15
4300.00	15.20	162.10	4025.43	-1328.09	436.48	1397.97	1397.98	161.81	2.35
4389.00	14.80	163.80	4111.40	-1350.11	443.24	1421.00	1421.01	161.82	.67
4479.00	13.60	164.20	4198.65	-1371.33	449.33	1443.07	1443.07	161.86	1.34
4569.00	12.90	164.20	4286.25	-1391.18	454.95	1463.68	1463.68	161.89	.78
4659.00	10.20	165.70	4374.42	-1408.57	459.65	1481.67	1481.67	161.93	3.02
4749.00	7.50	169.60	4463.34	-1422.07	462.68	1495.45	1495.45	161.98	3.07
4839.00	4.40	173.20	4552.85	-1431.28	464.15	1504.66	1504.66	162.03	3.47
Projection To Bit									
4894.00	2.51	175.40	4607.75	-1434.58	464.50	1507.90	1507.90	162.06	3.44