

As Drilled Plat

RCVD APR 17 '08

OIL CONS. DIV.

DIST. 3

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

4:01

RECEIVED ☐ AMENDED REPORT

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-30134		2 Pool Code 72319/71599		3 Pool Name DAKOTA/MESAVERDE	
4 Property Code 31739		5 Property Name SAN JUAN 28-7 UNIT			6 Well Number 157G
7 OGRUD No. 217817		8 Operator Name CONOCOPHILLIPS COMPANY			9 Elevation 6643

10 SURFACE LOCATION

UL or lot no. K	Section 11	Township 27-N	Range 7-W	Lot ldn	Feet from the 1390'	North/South line SOUTH	Feet from the 1430'	East/West line WEST	County RIO ARriba
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11 Bottom Hole Location If Different From Surface

UL or lot no. J	Section 11	Township 27-N	Range 7-W	Lot ldn	Feet from the 1558'	North/South line SOUTH	Feet from the 2535'	East/West line EAST	County RIO ARriba
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12 Dedicated Acres 320 E/2	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

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: Rhonda Rogers Date: 4-14-08

Printed Name: Rhonda Rogers

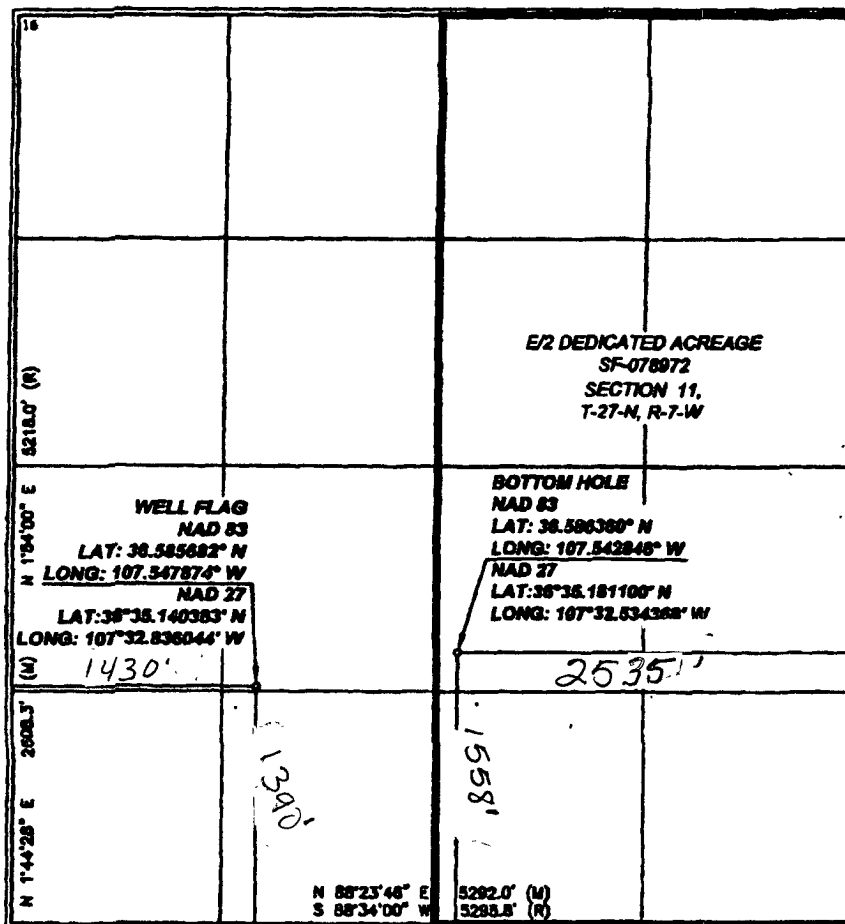
18 SURVEYOR CERTIFICATION

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: July 17, 2007

Signature and Seal of Professional Surveyor:

Certificate Number: 11383



HOLD CHM FOR Bottom hole survey
- No reading on deviation survey at TD

8/4/21/08

COP Deviation Report
SAN JUAN 28-7 UNIT #157G

Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
11/13/2007	4,801.00	2.90	MWD	H & B
11/13/2007	4,832.00	2.70	MWD	H & B
11/13/2007	4,864.00	2.90	MWD	H & B
11/13/2007	4,895.00	3.00	MWD	H & B
11/13/2007	4,933.00	2.80	MWD	H & B
11/13/2007	4,988.00	2.80	MWD	H & B
12/14/2007	7,881.00	75	FINAL BHS	PHOENIX

per Rhonda 4/21/08

RCVD APR 17 '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.

Not a Seal

Subscribed and sworn to me this 4-15-08

Rhonda S. Bogus

Notary Public in and for San Juan County, New Mexico

My Commission expires January 10, 2011

COP Deviation Report

ConocoPhillips

SAN JUAN 28-7 UNIT #157G

Survey Data					Survey Company
Date	MD (ftKB)	Incl (°)	Method		
11/13/2007	3,199.00	20.70	MWD		H & B
11/13/2007	3,294.00	19.30	MWD		H & B
11/13/2007	3,388.00	18.80	MWD		H & B
11/13/2007	3,483.00	20.00	MWD		H & B
11/13/2007	3,577.00	17.70	MWD		H & B
11/13/2007	3,671.00	16.30	MWD		H & B
11/13/2007	3,733.00	15.20	MWD		H & B
11/13/2007	3,764.00	14.60	MWD		H & B
11/13/2007	3,795.00	14.50	MWD		H & B
11/13/2007	3,827.00	15.20	MWD		H & B
11/13/2007	3,864.00	16.20	MWD		H & B
11/13/2007	3,890.00	17.50	MWD		H & B
11/13/2007	3,921.00	18.60	MWD		H & B
11/13/2007	3,953.00	19.90	MWD		H & B
11/13/2007	3,985.00	21.20	MWD		H & B
11/13/2007	4,015.00	22.00	MWD		H & B
11/13/2007	4,045.00	22.50	MWD		H & B
11/13/2007	4,075.00	23.30	MWD		H & B
11/13/2007	4,107.00	23.80	MWD		H & B
11/13/2007	4,138.00	24.20	MWD		H & B
11/13/2007	4,170.00	25.40	MWD		H & B
11/13/2007	4,233.00	26.50	MWD		H & B
11/13/2007	4,265.00	26.40	MWD		H & B
11/13/2007	4,297.00	24.40	MWD		H & B
11/13/2007	4,330.00	21.80	MWD		H & B
11/13/2007	4,361.00	18.90	MWD		H & B
11/13/2007	4,393.00	16.70	MWD		H & B
11/13/2007	4,425.00	14.50	MWD		H & B
11/13/2007	4,456.00	12.90	MWD		H & B
11/13/2007	4,488.00	11.30	MWD		H & B
11/13/2007	4,520.00	9.60	MWD		H & B
11/13/2007	4,551.00	8.00	MWD		H & B
11/13/2007	4,583.00	6.50	MWD		H & B
11/13/2007	4,614.00	4.80	MWD		H & B
11/13/2007	4,646.00	4.00	MWD		H & B
11/13/2007	4,678.00	3.60	MWD		H & B
11/13/2007	4,709.00	3.40	MWD		H & B
11/13/2007	4,741.00	3.20	MWD		H & B
11/13/2007	4,771.00	3.00	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 _____

ConocoPhillips**COP Deviation Report****SAN JUAN 28-7 UNIT #157G**

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 28-7 UNIT #157G	API / UWI 3003930134	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location SEC:11;TWN:027N;RNG:007W	N/S Dist (ft) 1,390.00	N/S Ref S	E/W Dist (ft) 1,430.00	E/W Ref W

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
11/13/2007	0.00	0.00	MWD	H & B
11/13/2007	261.00	0.50	MWD	H & B
11/13/2007	321.00	1.20	MWD	H & B
11/13/2007	383.00	2.30	MWD	H & B
11/13/2007	444.00	3.80	MWD	H & B
11/13/2007	504.00	5.00	MWD	H & B
11/13/2007	565.00	6.20	MWD	H & B
11/13/2007	627.00	7.80	MWD	H & B
11/13/2007	688.00	8.70	MWD	H & B
11/13/2007	779.00	9.30	MWD	H & B
11/13/2007	843.00	11.10	MWD	H & B
11/13/2007	907.00	13.00	MWD	H & B
11/13/2007	1,001.00	14.50	MWD	H & B
11/13/2007	1,094.00	16.70	MWD	H & B
11/13/2007	1,158.00	17.40	MWD	H & B
11/13/2007	1,221.00	18.70	MWD	H & B
11/13/2007	1,316.00	20.20	MWD	H & B
11/13/2007	1,410.00	20.20	MWD	H & B
11/13/2007	1,504.00	20.70	MWD	H & B
11/13/2007	1,598.00	20.70	MWD	H & B
11/13/2007	1,692.00	20.50	MWD	H & B
11/13/2007	1,787.00	20.00	MWD	H & B
11/13/2007	1,882.00	18.90	MWD	H & B
11/13/2007	1,976.00	18.90	MWD	H & B
11/13/2007	2,070.00	18.10	MWD	H & B
11/13/2007	2,164.00	17.30	MWD	H & B
11/13/2007	2,259.00	18.40	MWD	H & B
11/13/2007	2,354.00	19.70	MWD	H & B
11/13/2007	2,448.00	20.50	MWD	H & B
11/13/2007	2,543.00	21.60	MWD	H & B
11/13/2007	2,638.00	22.80	MWD	H & B
11/13/2007	2,733.00	24.20	MWD	H & B
11/13/2007	2,827.00	26.10	MWD	H & B
11/13/2007	2,916.00	24.70	MWD	H & B
11/13/2007	3,011.00	22.20	MWD	H & B
11/13/2007	3,105.00	21.90	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 _____



Hathaway Burnham Navigational LLC
DIRECTIONAL AND MWD SERVICES

December 5, 2007

RCVD APR 17 '08

GIL CONS. DIV.

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

DIST. 3

RE: Final Notarized Survey's Well SJ 28-7 #157G

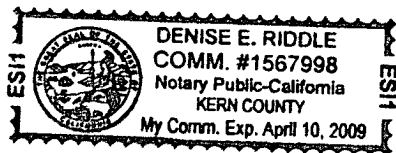
Dear Ms. Blackwater,

Please find the enclosed final surveys for well SJ 28-7 #157G. 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 'Chad J. Hathaway', with a long horizontal flourish extending to the right.

Chad J. Hathaway
Hathaway Burnham Navigational LLC



ACKNOWLEDGMENT

State of California

County of Kern

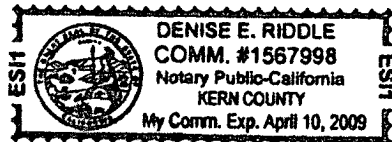
On December 5, before me, Denise E. Riddle, Notary Public,
2007 (here insert name and title of the officer)

personally appeared Chad J. Hathaway, SJ 28-7#157G

personally known to me (or 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.

WITNESS my hand and official seal.

Signature Denise E. Riddle



(Seal)



Job Number: NM07003
Company: CONOCOPHILLIPS
Lease/Well: SJ 2-7 UNIT #157G
Location: SAN JUAN BASIN
Rig Name: AWS 730
RKB: 15.00
G.L. or M.S.L.: GL

State/Country: NEW MEXICO
Declination: 10.21
Grid: TRUE
File name: C:\WINSERVE\NM07003.SVY
Date/Time: 17-Nov-07 / 06:43
Curve Name: AS DRILLED

HATHAWAY BURNHAM NAVIGATIONAL LLC

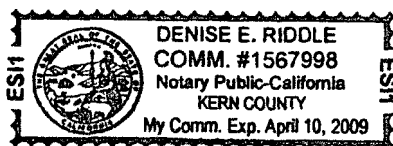
WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 81.88

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
261.00	.50	89.60	261.00	.01	1.14	1.13	1.14	89.60	.19
321.00	1.20	84.30	320.99	.07	2.03	2.02	2.03	87.96	1.17
383.00	2.30	76.70	382.96	.42	3.88	3.90	3.91	83.78	1.81
444.00	3.80	75.90	443.87	1.20	7.03	7.13	7.14	80.34	2.46
504.00	5.00	79.70	503.69	2.15	11.54	11.72	11.73	79.45	2.06
565.00	6.20	82.40	564.40	3.06	17.42	17.67	17.68	80.04	2.01
627.00	7.80	82.10	625.94	4.08	24.90	25.23	25.23	80.69	2.58
688.00	8.70	82.00	686.31	5.29	33.57	33.98	33.99	81.04	1.48
779.00	9.30	82.00	776.19	7.27	47.67	48.22	48.22	81.32	.66
843.00	11.10	83.60	839.17	8.68	58.91	59.55	59.55	81.62	2.85
907.00	13.00	84.00	901.76	10.12	72.19	72.90	72.90	82.02	2.97
1001.00	14.50	82.70	993.06	12.72	94.38	95.23	95.24	82.32	1.63
1094.00	16.70	83.50	1082.63	15.71	119.21	120.24	120.24	82.49	2.38
1158.00	17.40	84.80	1143.82	17.62	137.88	138.98	139.00	82.72	1.25
1221.00	18.70	85.10	1203.72	19.34	157.32	158.48	158.51	82.99	2.07
1316.00	20.20	85.30	1293.29	21.98	188.84	190.06	190.12	83.36	1.58
1410.00	20.20	85.30	1381.51	24.64	221.19	222.46	222.56	83.64	.00
1504.00	20.70	85.30	1469.59	27.33	253.92	255.24	255.39	83.86	.53
1598.00	20.70	84.80	1557.52	30.20	287.03	288.42	288.61	83.99	.19

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	
1692.00	20.50	84.70	1645.51	33.23	319.96	321.45	321.68	84.07	.22
1787.00	20.00	84.00	1734.64	36.46	352.68	354.30	354.56	84.10	.58
1882.00	18.90	84.00	1824.21	39.77	384.14	385.91	386.20	84.09	1.16
1976.00	18.90	84.20	1913.14	42.90	414.43	416.33	416.64	84.09	.07
2070.00	18.10	84.10	2002.29	45.94	444.10	446.14	446.47	84.09	.85
2164.00	17.30	83.40	2091.84	49.04	472.51	474.70	475.05	84.07	.88
2259.00	18.40	81.60	2182.26	52.86	501.37	503.81	504.15	83.98	1.30
2354.00	19.70	80.90	2272.06	57.58	532.02	534.82	535.13	83.82	1.39
2448.00	20.50	79.70	2360.33	63.03	563.86	567.11	567.37	83.62	.96
2543.00	21.60	80.70	2448.99	68.83	597.48	601.21	601.43	83.43	1.22
2638.00	22.80	81.40	2536.95	74.41	632.94	637.10	637.30	83.30	1.29
2733.00	24.20	81.60	2624.07	80.01	670.40	674.98	675.16	83.19	1.48
2827.00	26.10	82.20	2709.15	85.63	709.95	714.93	715.10	83.12	2.04
2916.00	24.70	81.20	2789.55	91.13	747.73	753.10	753.26	83.05	1.65
3011.00	22.20	80.00	2876.69	97.28	785.02	790.89	791.03	82.94	2.68
3105.00	21.90	80.80	2963.82	103.17	819.82	826.17	826.28	82.83	.45
3199.00	20.70	79.40	3051.40	109.03	853.45	860.30	860.39	82.72	1.39
3294.00	19.30	80.60	3140.66	114.68	885.45	892.77	892.84	82.62	1.54
3388.00	18.80	82.50	3229.52	119.20	915.79	923.45	923.51	82.58	.85
3483.00	20.00	83.00	3319.12	123.17	947.09	955.00	955.07	82.59	1.28
3577.00	17.70	82.90	3408.07	126.90	977.23	985.36	985.44	82.60	2.45
3671.00	16.30	82.70	3497.97	130.34	1004.50	1012.84	1012.92	82.61	1.49
3733.00	15.20	82.70	3557.64	132.48	1021.19	1029.66	1029.75	82.61	1.77
3764.00	14.60	83.40	3587.59	133.45	1029.10	1037.63	1037.72	82.61	2.02
3795.00	14.50	84.20	3617.60	134.29	1036.85	1045.42	1045.51	82.62	.72
3827.00	15.20	84.30	3648.53	135.11	1045.01	1053.61	1053.70	82.63	2.19
3864.00	16.20	84.40	3684.15	136.09	1054.97	1063.61	1063.71	82.65	2.70
3890.00	17.50	84.70	3709.03	136.81	1062.47	1071.14	1071.24	82.66	5.01
3921.00	18.60	85.10	3738.51	137.66	1072.04	1080.73	1080.84	82.68	3.57
3953.00	19.90	84.30	3768.72	138.64	1082.54	1091.27	1091.38	82.70	4.15
3985.00	21.20	83.70	3798.68	139.81	1093.71	1102.50	1102.61	82.72	4.12
4015.00	22.00	82.60	3826.57	141.13	1104.68	1113.54	1113.66	82.72	2.99
4045.00	22.50	82.30	3854.34	142.63	1115.94	1124.90	1125.02	82.72	1.71
4075.00	23.30	82.30	3881.98	144.19	1127.51	1136.57	1136.69	82.71	2.67
4107.00	23.80	82.80	3911.31	145.85	1140.18	1149.35	1149.47	82.71	1.68
4138.00	24.20	83.70	3939.63	147.33	1152.71	1161.96	1162.08	82.72	1.75
4170.00	25.40	84.60	3968.68	148.69	1166.06	1175.37	1175.50	82.73	3.93
4233.00	26.50	84.30	4025.33	151.36	1193.50	1202.91	1203.06	82.77	1.76
4265.00	26.40	83.10	4053.98	152.93	1207.66	1217.15	1217.31	82.78	1.70
4297.00	24.40	82.30	4082.88	154.67	1221.28	1230.88	1231.03	82.78	6.34
4330.00	21.80	81.90	4113.23	156.44	1234.10	1243.82	1243.98	82.78	7.89
4361.00	18.90	81.90	4142.29	157.96	1244.77	1254.60	1254.75	82.77	9.35
4393.00	16.70	81.90	4172.76	159.34	1254.46	1264.38	1264.53	82.76	6.87

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	
4425.00	14.50	81.20	4203.58	160.60	1262.97	1272.99	1273.14	82.75	6.90
4456.00	12.90	79.50	4233.70	161.83	1270.21	1280.33	1280.47	82.74	5.32
4488.00	11.30	78.60	4264.99	163.10	1276.79	1287.03	1287.17	82.72	5.03
4520.00	9.60	76.90	4296.45	164.32	1282.46	1292.82	1292.95	82.70	5.40
4551.00	8.00	76.20	4327.09	165.42	1287.08	1297.54	1297.66	82.68	5.17
4583.00	6.50	77.60	4358.83	166.34	1291.01	1301.56	1301.68	82.66	4.72
4614.00	4.80	83.60	4389.68	166.86	1294.01	1304.61	1304.73	82.65	5.80
4646.00	4.00	89.20	4421.59	167.03	1296.46	1307.05	1307.17	82.66	2.83
4678.00	3.60	88.60	4453.52	167.07	1298.58	1309.16	1309.28	82.67	1.26
4709.00	3.40	88.60	4484.46	167.11	1300.47	1311.04	1311.16	82.68	.65
4741.00	3.20	88.20	4516.40	167.17	1302.31	1312.87	1313.00	82.69	.63
4771.00	3.00	89.10	4546.36	167.20	1303.93	1314.48	1314.61	82.69	.69
4801.00	2.90	92.70	4576.32	167.18	1305.48	1316.00	1316.14	82.70	.70
4832.00	2.70	90.00	4607.28	167.14	1306.99	1317.49	1317.63	82.71	.77
4864.00	2.90	88.00	4639.25	167.17	1308.55	1319.05	1319.19	82.72	.70
4895.00	3.00	85.00	4670.20	167.27	1310.14	1320.64	1320.78	82.72	.59
4933.00	2.80	83.40	4708.16	167.46	1312.06	1322.56	1322.70	82.73	.57
PROJECTION									
4988.00	2.80	83.40	4763.09	167.77	1314.73	1325.24	1325.39	82.73	.00