

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

"AS DRILLED PLAT"
State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-30697		2 Pool Code 71599/72319		3 Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
4 Property Code 31327		5 Property Name SAN JUAN 30-5 UNIT			6 Well Number 89 N
7 OGRID No. 217817		8 Operator Name CONOCOPHILLIPS COMANY			9 Elevation 6433'

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
0	18	30N	5W		1024'	SOUTH	1662'	EAST	RIO ARRIBA

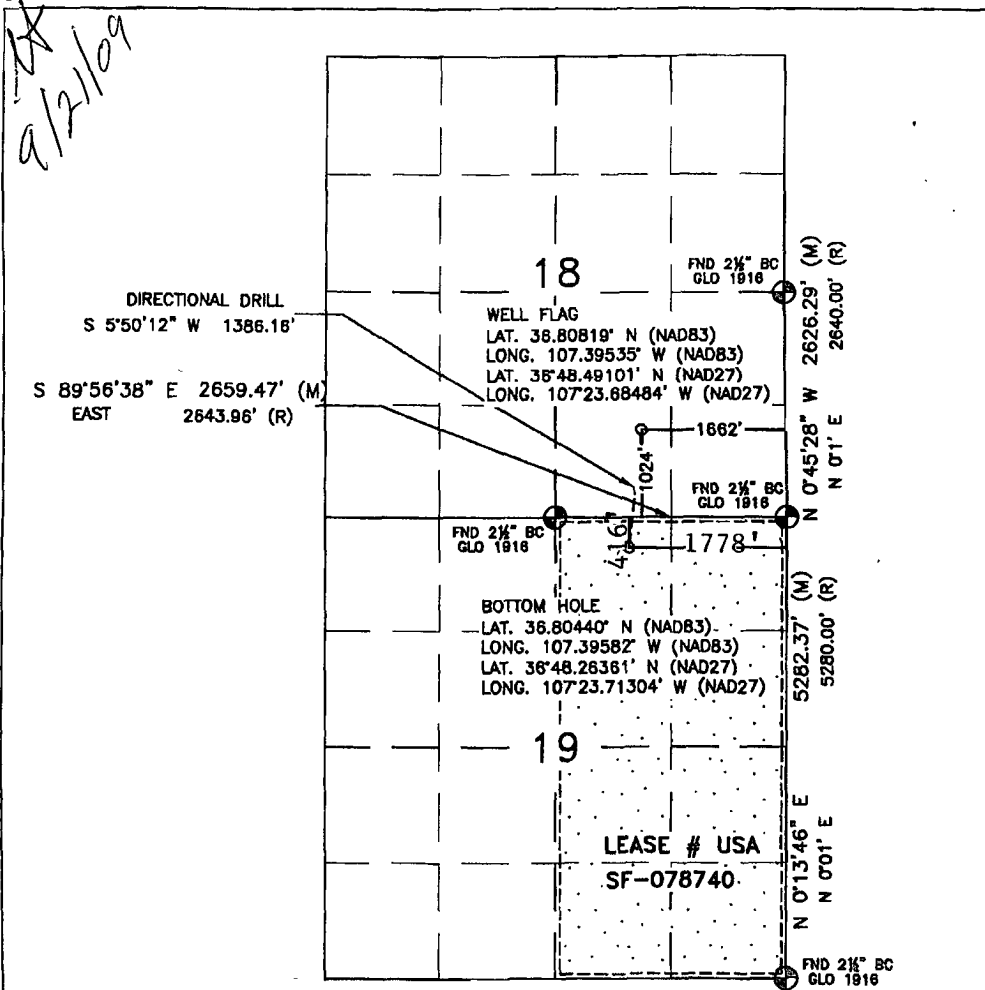
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	19	30N	5W		416'	NORTH	1778'	EAST	RIO ARRIBA

12 Dedicated Acres 320.0 Acres - (E/2)		13 Joint or Infill		14 Consolidation Code		15 Order No. RCVD SEP 18 '09 OIL CONS. DIV.	
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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



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 or a compulsory pooling order heretofore entered by the division.

Ethel Tally 9/17/09
Signature Date

Ethel Tally

Printed Name

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.

OCTOBER 7, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

DAVID R. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201
DAVID RUSSELL
Certificate Number 10201

P.A.

8/22

Operator CONOCOPHILLIPS COMPANY	Legal WellName SAN JUAN 30-5 UNIT #89N	API / UWI 3003930697	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 018-030N-005W-O	N/S Dist (ft) 1,024.00	N/S Ref FSL	E/W Dist (ft) 1,662.00	E/W Ref FEL

Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
6/11/2009	0.00	0.00	Gyro MS	Gyrodata
6/11/2009	50.00	0.22	Gyro MS	Gyrodata
6/11/2009	100.00	0.44	Gyro MS	Gyrodata
6/11/2009	150.00	0.56	Gyro MS	Gyrodata
6/11/2009	200.00	0.67	Gyro MS	Gyrodata
6/11/2009	250.00	0.81	Gyro MS	Gyrodata
6/11/2009	300.00	0.84	Gyro MS	Gyrodata
5/19/2009	346.00	1.70	MWD	Weatherford Directional
6/11/2009	350.00	1.81	Gyro MS	Gyrodata
6/11/2009	400.00	3.07	Gyro MS	Gyrodata
6/11/2009	450.00	4.45	Gyro MS	Gyrodata
5/19/2009	499.00	5.59	MWD	Weatherford Directional
6/11/2009	500.00	5.71	Gyro MS	Gyrodata
6/11/2009	550.00	6.76	Gyro MS	Gyrodata
5/19/2009	560.00	7.03	MWD	Weatherford Directional
6/11/2009	600.00	7.83	Gyro MS	Gyrodata
5/19/2009	621.00	8.47	MWD	Weatherford Directional
6/11/2009	650.00	8.92	Gyro MS	Gyrodata
5/19/2009	652.00	8.20	MWD	Weatherford Directional
6/11/2009	700.00	9.84	Gyro MS	Gyrodata
5/19/2009	701.00	9.90	MWD	Weatherford Directional
5/19/2009	746.00	10.90	MWD	Weatherford Directional
6/11/2009	750.00	10.68	Gyro MS	Gyrodata
5/19/2009	791.00	11.70	MWD	Weatherford Directional
6/11/2009	800.00	11.76	Gyro MS	Gyrodata
5/19/2009	834.00	11.90	MWD	Weatherford Directional
6/11/2009	850.00	12.30	Gyro MS	Gyrodata
5/19/2009	880.00	12.80	MWD	Weatherford Directional
6/11/2009	900.00	13.23	Gyro MS	Gyrodata
5/19/2009	925.00	13.70	MWD	Weatherford Directional
6/11/2009	950.00	13.92	Gyro MS	Gyrodata
5/19/2009	970.00	14.30	MWD	Weatherford Directional
6/11/2009	1,000.00	14.79	Gyro MS	Gyrodata
5/19/2009	1,015.00	14.90	MWD	Weatherford Directional
6/11/2009	1,050.00	15.25	Gyro MS	Gyrodata
5/19/2009	1,060.00	15.40	MWD	Weatherford Directional

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 30-5 UNIT #89N**

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
6/11/2009	1,100.00	15.99	Gyro MS	Gyrodata	
5/20/2009	1,105.00	15.90	MWD	Weatherford Directional	
6/11/2009	1,150.00	16.88	Gyro MS	Gyrodata	
5/20/2009	1,150.00	16.80	MWD	Weatherford Directional	
6/11/2009	1,200.00	18.06	Gyro MS	Gyrodata	
5/20/2009	1,240.00	18.90	MWD	Weatherford Directional	
6/11/2009	1,250.00	18.84	Gyro MS	Gyrodata	
5/20/2009	1,284.00	19.20	MWD	Weatherford Directional	
6/11/2009	1,300.00	19.37	Gyro MS	Gyrodata	
5/20/2009	1,330.00	19.50	MWD	Weatherford Directional	
6/11/2009	1,350.00	19.36	Gyro MS	Gyrodata	
5/20/2009	1,375.00	19.20	MWD	Weatherford Directional	
6/11/2009	1,400.00	19.37	Gyro MS	Gyrodata	
5/20/2009	1,420.00	19.60	MWD	Weatherford Directional	
6/11/2009	1,450.00	19.48	Gyro MS	Gyrodata	
5/20/2009	1,465.00	19.30	MWD	Weatherford Directional	
6/11/2009	1,500.00	19.52	Gyro MS	Gyrodata	
5/20/2009	1,510.00	19.30	MWD	Weatherford Directional	
6/11/2009	1,550.00	19.77	Gyro MS	Gyrodata	
5/20/2009	1,555.00	19.51	MWD	Weatherford Directional	
5/20/2009	1,600.00	19.98	MWD	Weatherford Directional	
6/11/2009	1,600.00	20.11	Gyro MS	Gyrodata	
5/20/2009	1,645.00	19.80	MWD	Weatherford Directional	
6/11/2009	1,650.00	19.99	Gyro MS	Gyrodata	
5/20/2009	1,690.00	20.31	MWD	Weatherford Directional	
6/11/2009	1,700.00	20.53	Gyro MS	Gyrodata	
5/20/2009	1,735.00	21.02	MWD	Weatherford Directional	
6/11/2009	1,750.00	21.33	Gyro MS	Gyrodata	
5/20/2009	1,780.00	22.00	MWD	Weatherford Directional	
6/11/2009	1,800.00	22.12	Gyro MS	Gyrodata	
5/20/2009	1,825.00	22.36	MWD	Weatherford Directional	
6/11/2009	1,850.00	22.92	Gyro MS	Gyrodata	
5/20/2009	1,870.00	23.13	MWD	Weatherford Directional	
6/11/2009	1,900.00	23.75	Gyro MS	Gyrodata	
5/20/2009	1,915.00	23.99	MWD	Weatherford Directional	
6/11/2009	1,950.00	24.72	Gyro MS	Gyrodata	
5/20/2009	1,959.00	25.22	MWD	Weatherford Directional	
6/11/2009	2,000.00	25.70	Gyro MS	Gyrodata	
5/20/2009	2,004.00	25.59	MWD	Weatherford Directional	

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 (ftKB)	Incl.(°)	Method	Survey Company
5/20/2009	2,049.00	25.88	MWD	Weatherford Directional
6/11/2009	2,050.00	26.14	Gyro MS	Gyrodata
5/20/2009	2,094.00	26.55	MWD	Weatherford Directional
6/11/2009	2,100.00	26.74	Gyro MS	Gyrodata
5/20/2009	2,139.00	26.52	MWD	Weatherford Directional
6/11/2009	2,150.00	26.58	Gyro MS	Gyrodata
5/20/2009	2,184.00	26.38	MWD	Weatherford Directional
6/11/2009	2,200.00	26.38	Gyro MS	Gyrodata
5/20/2009	2,229.00	26.45	MWD	Weatherford Directional
6/11/2009	2,250.00	26.49	Gyro MS	Gyrodata
5/20/2009	2,274.00	26.40	MWD	Weatherford Directional
6/11/2009	2,300.00	26.43	Gyro MS	Gyrodata
5/20/2009	2,319.00	26.15	MWD	Weatherford Directional
6/11/2009	2,350.00	26.42	Gyro MS	Gyrodata
5/20/2009	2,364.00	26.33	MWD	Weatherford Directional
6/11/2009	2,400.00	26.35	Gyro MS	Gyrodata
5/20/2009	2,409.00	25.88	MWD	Weatherford Directional
6/11/2009	2,450.00	25.37	Gyro MS	Gyrodata
5/20/2009	2,454.00	25.29	MWD	Weatherford Directional
5/21/2009	2,499.00	24.86	MWD	Weatherford Directional
6/11/2009	2,500.00	24.95	Gyro MS	Gyrodata
5/21/2009	2,544.00	24.54	MWD	Weatherford Directional
6/11/2009	2,550.00	24.66	Gyro MS	Gyrodata
5/21/2009	2,589.00	24.57	MWD	Weatherford Directional
6/11/2009	2,600.00	24.51	Gyro MS	Gyrodata
5/21/2009	2,634.00	24.75	MWD	Weatherford Directional
6/11/2009	2,650.00	24.78	Gyro MS	Gyrodata
5/21/2009	2,679.00	24.59	MWD	Weatherford Directional
6/11/2009	2,700.00	24.67	Gyro MS	Gyrodata
5/21/2009	2,724.00	24.85	MWD	Weatherford Directional
6/11/2009	2,750.00	25.02	Gyro MS	Gyrodata
5/21/2009	2,769.00	25.09	MWD	Weatherford Directional
6/11/2009	2,800.00	25.14	Gyro MS	Gyrodata
5/21/2009	2,814.00	24.88	MWD	Weatherford Directional
6/11/2009	2,850.00	24.81	Gyro MS	Gyrodata
5/21/2009	2,859.00	24.57	MWD	Weatherford Directional
6/11/2009	2,900.00	24.97	Gyro MS	Gyrodata
5/21/2009	2,904.00	25.09	MWD	Weatherford Directional
5/21/2009	2,949.00	25.38	MWD	Weatherford Directional

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 30-5 UNIT #89N

Survey Data					
Date	MD (ftKB)	Incl (?)	Method	Survey Company	
6/11/2009	2,950.00	25.56	Gyro MS	Gyrodata	
5/21/2009	2,994.00	25.09	MWD	Weatherford Directional	
6/11/2009	3,000.00	25.33	Gyro MS	Gyrodata	
5/21/2009	3,039.00	25.28	MWD	Weatherford Directional	
6/11/2009	3,050.00	25.25	Gyro MS	Gyrodata	
5/21/2009	3,083.00	24.97	MWD	Weatherford Directional	
6/11/2009	3,100.00	24.93	Gyro MS	Gyrodata	
5/22/2009	3,128.00	24.60	MWD	Weatherford Directional	
6/11/2009	3,150.00	24.42	Gyro MS	Gyrodata	
5/22/2009	3,173.00	23.96	MWD	Weatherford Directional	
6/11/2009	3,200.00	23.89	Gyro MS	Gyrodata	
5/22/2009	3,218.00	23.55	MWD	Weatherford Directional	
6/11/2009	3,250.00	23.60	Gyro MS	Gyrodata	
5/22/2009	3,263.00	23.10	MWD	Weatherford Directional	
6/11/2009	3,300.00	22.88	Gyro MS	Gyrodata	
5/22/2009	3,308.00	23.09	MWD	Weatherford Directional	
6/11/2009	3,350.00	23.07	Gyro MS	Gyrodata	
5/22/2009	3,353.00	23.12	MWD	Weatherford Directional	
5/22/2009	3,398.00	22.45	MWD	Weatherford Directional	
6/11/2009	3,400.00	22.78	Gyro MS	Gyrodata	
5/22/2009	3,443.00	23.83	MWD	Weatherford Directional	
6/11/2009	3,450.00	23.89	Gyro MS	Gyrodata	
5/22/2009	3,488.00	24.82	MWD	Weatherford Directional	
6/11/2009	3,500.00	25.09	Gyro MS	Gyrodata	
5/22/2009	3,533.00	25.83	MWD	Weatherford Directional	
6/11/2009	3,550.00	25.95	Gyro MS	Gyrodata	
5/22/2009	3,578.00	25.92	MWD	Weatherford Directional	
6/11/2009	3,600.00	26.17	Gyro MS	Gyrodata	
5/23/2009	3,623.00	26.01	MWD	Weatherford Directional	
6/11/2009	3,650.00	26.27	Gyro MS	Gyrodata	
5/23/2009	3,668.00	26.28	MWD	Weatherford Directional	
6/11/2009	3,700.00	26.07	Gyro MS	Gyrodata	
5/25/2009	3,713.00	25.85	MWD	Weatherford Directional	
6/11/2009	3,750.00	25.78	Gyro MS	Gyrodata	
5/25/2009	3,758.00	25.53	MWD	Weatherford Directional	
6/11/2009	3,800.00	25.42	Gyro MS	Gyrodata	
5/25/2009	3,803.00	25.43	MWD	Weatherford Directional	
5/25/2009	3,848.00	24.86	MWD	Weatherford Directional	
6/11/2009	3,850.00	25.13	Gyro MS	Gyrodata	

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 30-5 UNIT #89N

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
5/25/2009	3,893.00	24.21	MWD	Weatherford Directional
6/11/2009	3,900.00	24.37	Gyro MS	Gyrodata
5/25/2009	3,938.00	23.39	MWD	Weatherford Directional
6/11/2009	3,950.00	23.15	Gyro MS	Gyrodata
5/25/2009	3,983.00	21.56	MWD	Weatherford Directional
6/11/2009	4,000.00	21.39	Gyro MS	Gyrodata
5/25/2009	4,028.00	20.05	MWD	Weatherford Directional
6/11/2009	4,050.00	19.64	Gyro MS	Gyrodata
5/25/2009	4,072.00	17.97	MWD	Weatherford Directional
6/11/2009	4,100.00	17.21	Gyro MS	Gyrodata
5/25/2009	4,117.00	16.15	MWD	Weatherford Directional
6/11/2009	4,150.00	15.54	Gyro MS	Gyrodata
5/25/2009	4,162.00	14.75	MWD	Weatherford Directional
6/11/2009	4,200.00	14.11	Gyro MS	Gyrodata
5/25/2009	4,207.00	13.39	MWD	Weatherford Directional
6/11/2009	4,250.00	11.94	Gyro MS	Gyrodata
5/25/2009	4,252.00	11.50	MWD	Weatherford Directional
5/25/2009	4,297.00	10.06	MWD	Weatherford Directional
6/11/2009	4,300.00	10.38	Gyro MS	Gyrodata
5/25/2009	4,342.00	8.73	MWD	Weatherford Directional
6/11/2009	4,350.00	8.87	Gyro MS	Gyrodata
5/26/2009	4,387.00	7.44	MWD	Weatherford Directional
6/11/2009	4,400.00	7.38	Gyro MS	Gyrodata
5/26/2009	4,432.00	6.29	MWD	Weatherford Directional
6/11/2009	4,450.00	5.99	Gyro MS	Gyrodata
5/26/2009	4,477.00	5.06	MWD	Weatherford Directional
6/11/2009	4,500.00	4.89	Gyro MS	Gyrodata
5/26/2009	4,522.00	4.36	MWD	Weatherford Directional
6/11/2009	4,550.00	3.45	Gyro MS	Gyrodata
5/26/2009	4,567.00	2.79	MWD	Weatherford Directional
6/11/2009	4,600.00	2.43	Gyro MS	Gyrodata
5/26/2009	4,612.00	2.63	MWD	Weatherford Directional
6/11/2009	4,650.00	2.35	Gyro MS	Gyrodata
5/26/2009	4,660.00	2.63	MWD	Weatherford Directional
6/11/2009	4,700.00	2.16	Gyro MS	Gyrodata
6/11/2009	4,750.00	1.87	Gyro MS	Gyrodata
6/11/2009	4,800.00	1.46	Gyro MS	Gyrodata
6/11/2009	4,850.00	1.06	Gyro MS	Gyrodata
6/11/2009	4,900.00	0.84	Gyro MS	Gyrodata

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 (tkB)	Incl (°)	Method	Survey Company
6/11/2009	4,950.00	0.82	Gyro MS	Gyrodata
6/11/2009	5,000.00	0.61	Gyro MS	Gyrodata
6/11/2009	5,050.00	0.61	Gyro MS	Gyrodata
6/11/2009	5,100.00	0.62	Gyro MS	Gyrodata
6/11/2009	5,150.00	0.55	Gyro MS	Gyrodata
6/11/2009	5,200.00	0.41	Gyro MS	Gyrodata
6/11/2009	5,250.00	0.29	Gyro MS	Gyrodata
6/11/2009	5,300.00	0.25	Gyro MS	Gyrodata
6/11/2009	5,350.00	0.19	Gyro MS	Gyrodata
6/11/2009	5,400.00	0.22	Gyro MS	Gyrodata
6/11/2009	5,450.00	0.19	Gyro MS	Gyrodata
6/11/2009	5,500.00	0.18	Gyro MS	Gyrodata
6/11/2009	5,550.00	0.24	Gyro MS	Gyrodata
6/11/2009	5,600.00	0.16	Gyro MS	Gyrodata
6/11/2009	5,650.00	0.22	Gyro MS	Gyrodata
6/11/2009	5,700.00	0.21	Gyro MS	Gyrodata
6/11/2009	5,750.00	0.26	Gyro MS	Gyrodata
6/11/2009	5,800.00	0.17	Gyro MS	Gyrodata
6/11/2009	5,850.00	0.29	Gyro MS	Gyrodata
6/11/2009	5,900.00	0.40	Gyro MS	Gyrodata
6/11/2009	5,950.00	0.70	Gyro MS	Gyrodata
6/11/2009	6,000.00	0.72	Gyro MS	Gyrodata
6/11/2009	6,050.00	0.78	Gyro MS	Gyrodata
6/11/2009	6,100.00	0.80	Gyro MS	Gyrodata
6/11/2009	6,150.00	0.70	Gyro MS	Gyrodata
6/11/2009	6,200.00	0.72	Gyro MS	Gyrodata
6/11/2009	6,250.00	0.66	Gyro MS	Gyrodata
6/11/2009	6,300.00	0.82	Gyro MS	Gyrodata
6/11/2009	6,350.00	0.91	Gyro MS	Gyrodata
6/11/2009	6,400.00	0.96	Gyro MS	Gyrodata
6/11/2009	6,450.00	1.05	Gyro MS	Gyrodata
6/11/2009	6,500.00	1.05	Gyro MS	Gyrodata
6/11/2009	6,550.00	0.94	Gyro MS	Gyrodata
6/11/2009	6,600.00	0.91	Gyro MS	Gyrodata
6/11/2009	6,650.00	0.76	Gyro MS	Gyrodata
6/11/2009	6,700.00	0.63	Gyro MS	Gyrodata
6/11/2009	6,750.00	0.56	Gyro MS	Gyrodata
6/11/2009	6,800.00	0.39	Gyro MS	Gyrodata
6/11/2009	6,850.00	0.24	Gyro MS	Gyrodata

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 (ftKB)	Incl (°)	Method	Survey Company
6/11/2009	6,900.00	0.17	Gyro MS	Gyrodata
6/11/2009	6,950.00	0.18	Gyro MS	Gyrodata
6/11/2009	7,000.00	0.26	Gyro MS	Gyrodata
6/11/2009	7,050.00	0.25	Gyro MS	Gyrodata
6/11/2009	7,100.00	0.36	Gyro MS	Gyrodata
6/11/2009	7,150.00	0.33	Gyro MS	Gyrodata
6/11/2009	7,200.00	0.30	Gyro MS	Gyrodata
6/11/2009	7,250.00	0.48	Gyro MS	Gyrodata
6/11/2009	7,300.00	0.39	Gyro MS	Gyrodata
6/11/2009	7,350.00	0.53	Gyro MS	Gyrodata
6/11/2009	7,400.00	0.70	Gyro MS	Gyrodata
6/11/2009	7,450.00	0.64	Gyro MS	Gyrodata
6/11/2009	7,500.00	0.92	Gyro MS	Gyrodata
6/11/2009	7,550.00	1.17	Gyro MS	Gyrodata
6/11/2009	7,600.00	1.34	Gyro MS	Gyrodata
6/11/2009	7,650.00	1.52	Gyro MS	Gyrodata
6/11/2009	7,700.00	1.79	Gyro MS	Gyrodata
6/11/2009	7,750.00	1.68	Gyro MS	Gyrodata
6/11/2009	7,800.00	1.72	Gyro MS	Gyrodata
6/11/2009	7,850.00	1.48	Gyro MS	Gyrodata
6/11/2009	7,900.00	1.38	Gyro MS	Gyrodata
6/11/2009	7,950.00	1.14	Gyro MS	Gyrodata
6/11/2009	8,000.00	0.98	Gyro MS	Gyrodata
6/11/2009	8,050.00	0.88	Gyro MS	Gyrodata
6/11/2009	8,100.00	0.89	Gyro MS	Gyrodata
6/11/2009	8,150.00	1.03	Gyro MS	Gyrodata
6/2/2009	8,168.00	1.00	FINAL BHS	PHOENIX
6/11/2009	8,199.00	1.04	Gyro MS	Gyrodata

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.

Al Gut

Subscribed and sworn to me this Sept 19, 2009

Ethel Kelly

Notary Public in and for San Juan County, New Mexico

My Commission expires Oct 1, 2012

A Gyrodata Directional Survey

Field Copy Only, not definitive

for

CONOCO PHILLIPS

RCVD SEP 18 '09

OIL CONS. DIV.

DIST. 3

Lease: SAN JUAN 30-5 Well: UNIT #89N, 4-1/2" CASING
Location: BLACK WARRIOR MAST TRUCK, RIO ARRIBA, NEW MEXICO

Job Number: RM0609GW357

Run Date: 6/11/2009 6:34:42 PM

Surveyor: STEVE WINTHER, JR. PENA, GARRETT GRAHAM, MATT LEBAS, THOMAS RO

Calculation Method: MINIMUM CURVATURE

Survey surface coordinates obtained from: Directional Drilling Company
Survey Latitude: 36.808190 deg. N Longitude: 107.395350 deg. W

Azimuth Correction:

Gyro: 0.69000 deg to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

API # 30-039-30697
ConocoPhillips

A Gyrodata Directional Survey

CONOCO PHILLIPS

Lease: SAN JUAN 30-5

Well: UNIT #89N, 4-1/2" CASING

Location: BLACK WARRIOR MAST TRUCK, RIO ARRIBA, NEW MEXICO

Job Number: RM0609GW357

RCVD SEP 18 '09

OIL CONS. DIV.

DIST. 3

MEASURED IN C LAZIMUTH DEPTH	deg.	deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH	CLOSURE DIST. AZIMUTH	feet	feet	HORIZONTAL COORDINATES	feet
---------------------------------	------	------	-------------------------------------	-------------------	--------------------------	------	------	---------------------------	------

0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.00 N	0.00 E
------	------	------	------	------	-----	-----	--------	--------

0 - 8198.99 FT. RATE GYROSCOPIC CONTINUOUS SURVEY RUN INSIDE 4-1/2" CASING

ALL MEASURED DEPTHS AND MEASUREMENTS ARE REFERENCED TO ORIGINAL R.K.B HEIGHT OF 16 FT.

50.00	0.22	77.58	0.45	50.00	0.1	77.6	0.02 N	0.10 E
100.00	0.44	152.82	0.89	100.00	0.3	115.1	0.13 S	0.28 E
150.00	0.56	138.26	0.34	150.00	0.7	132.5	0.48 S	0.53 E
200.00	0.67	123.99	0.38	199.99	1.2	131.6	0.83 S	0.93 E
250.00	0.81	119.43	0.30	249.99	1.9	128.2	1.17 S	1.48 E
300.00	0.84	130.18	0.32	299.99	2.6	127.3	1.58 S	2.07 E
350.00	1.81	173.21	2.65	349.97	3.6	136.7	2.60 S	2.44 E
400.00	3.07	180.09	2.59	399.93	5.4	151.8	4.72 S	2.53 E
450.00	4.45	183.20	2.78	449.82	8.4	163.1	8.00 S	2.42 E
500.00	5.71	182.33	2.53	499.62	12.6	169.9	12.42 S	2.22 E
550.00	6.76	181.53	2.11	549.32	18.0	173.5	17.85 S	2.04 E
600.00	7.83	180.34	2.16	598.92	24.3	175.4	24.20 S	1.94 E
650.00	8.92	181.69	2.22	648.38	31.5	176.7	31.48 S	1.80 E
700.00	9.84	183.01	1.88	697.71	39.6	177.9	39.62 S	1.46 E
750.00	10.68	183.67	1.70	746.91	48.5	178.9	48.51 S	0.94 E
800.00	11.76	185.07	2.22	795.96	58.2	179.8	58.21 S	0.20 E
850.00	12.30	186.59	1.25	844.86	68.6	180.7	68.57 S	0.86 W
900.00	13.23	186.07	1.89	893.62	79.6	181.5	79.55 S	2.08 W
950.00	13.92	185.78	1.38	942.23	91.3	182.1	91.23 S	3.29 W
1000.00	14.79	186.50	1.77	990.67	103.7	182.6	103.55 S	4.62 W
1050.00	15.25	186.51	0.92	1038.96	116.6	183.0	116.42 S	6.09 W
1100.00	15.99	185.50	1.59	1087.11	130.0	183.3	129.81 S	7.50 W
1150.00	16.88	183.91	1.99	1135.07	144.2	183.4	143.90 S	8.65 W
1200.00	18.06	183.01	2.43	1182.76	159.2	183.4	158.89 S	9.55 W
1250.00	18.84	182.43	1.60	1230.19	175.0	183.4	174.69 S	10.30 W
1300.00	19.37	183.49	1.27	1277.44	191.4	183.3	191.03 S	11.15 W
1350.00	19.36	184.05	0.37	1324.61	207.9	183.4	207.58 S	12.24 W
1400.00	19.37	184.41	0.24	1371.78	224.5	183.4	224.11 S	13.46 W
1450.00	19.48	184.48	0.24	1418.94	241.1	183.5	240.68 S	14.75 W
1500.00	19.52	184.08	0.28	1466.07	257.8	183.6	257.33 S	16.00 W
1550.00	19.77	183.99	0.49	1513.16	274.6	183.6	274.10 S	17.18 W

A Gyrodata Directional Survey

CONOCO PHILLIPS

Lease: SAN JUAN 30-5

Well: UNIT #89N, 4-1/2" CASING

Location: BLACK WARRIOR MAST TRUCK, RIO ARRIBA, NEW MEXICO

Job Number: RM0609GW357

MEASURED IN CLAZIMUTH			DOGLEG VERTICAL		CLOSURE		HORIZONTAL	
DEPTH			SEVERITY	DEPTH	DIST.	AZIMUTH	COORDINATES	
feet	deg.	deg.	deg./ 100 ft.	feet	feet	deg.	feet	
1600.00	20.11	183.89	0.68	1560.16	291.7	183.6	291.11 S	18.35 W
1650.00	19.99	183.65	0.28	1607.13	308.8	183.6	308.21 S	19.48 W
1700.00	20.53	183.82	1.08	1654.04	326.1	183.6	325.48 S	20.61 W
1750.00	21.33	184.29	1.64	1700.74	344.0	183.6	343.30 S	21.87 W
1800.00	22.12	184.48	1.59	1747.19	362.5	183.7	361.75 S	23.29 W
1850.00	22.92	186.18	2.08	1793.38	381.6	183.8	380.81 S	25.07 W
1900.00	23.75	186.78	1.72	1839.29	401.4	183.9	400.49 S	27.31 W
1950.00	24.72	186.79	1.95	1884.88	421.9	184.0	420.87 S	29.73 W
2000.00	25.70	186.64	1.96	1930.12	443.2	184.2	442.02 S	32.22 W
2050.00	26.14	186.49	0.89	1975.09	465.0	184.3	463.74 S	34.72 W
2100.00	26.74	186.40	1.20	2019.86	487.3	184.4	485.86 S	37.22 W
2150.00	26.58	186.29	0.34	2064.54	509.7	184.5	508.16 S	39.70 W
2200.00	26.38	185.99	0.47	2109.30	532.0	184.5	530.32 S	42.08 W
2250.00	26.49	184.69	1.18	2154.07	554.2	184.6	552.48 S	44.15 W
2300.00	26.43	184.06	0.57	2198.83	576.5	184.6	574.70 S	45.85 W
2350.00	26.42	184.05	0.02	2243.61	598.8	184.5	596.89 S	47.43 W
2400.00	26.35	183.91	0.19	2288.40	621.0	184.5	619.06 S	48.97 W
2450.00	25.37	184.10	1.97	2333.39	642.8	184.5	640.81 S	50.49 W
2500.00	24.95	184.07	0.84	2378.64	664.1	184.5	662.02 S	52.01 W
2550.00	24.66	183.87	0.61	2424.03	685.0	184.5	682.94 S	53.46 W
2600.00	24.51	183.56	0.39	2469.50	705.8	184.5	703.70 S	54.81 W
2650.00	24.78	183.26	0.61	2514.94	726.7	184.4	724.52 S	56.05 W
2700.00	24.67	182.85	0.42	2560.36	747.6	184.4	745.40 S	57.16 W
2750.00	25.02	183.50	0.88	2605.73	768.6	184.4	766.37 S	58.33 W
2800.00	25.14	183.28	0.31	2651.02	789.8	184.3	787.53 S	59.58 W
2850.00	24.81	182.86	0.75	2696.34	810.9	184.3	808.61 S	60.71 W
2900.00	24.97	182.97	0.33	2741.70	831.9	184.3	829.63 S	61.78 W
2950.00	25.56	183.02	1.18	2786.92	853.3	184.2	850.94 S	62.90 W
3000.00	25.33	183.47	0.61	2832.07	874.7	184.2	872.39 S	64.11 W
3050.00	25.25	183.48	0.15	2877.28	896.1	184.2	893.71 S	65.41 W
3100.00	24.93	183.66	0.65	2922.56	917.3	184.2	914.87 S	66.73 W
3150.00	24.42	183.27	1.07	2967.99	938.2	184.2	935.71 S	67.99 W
3200.00	23.89	184.13	1.28	3013.61	958.6	184.1	956.12 S	69.31 W
3250.00	23.60	185.39	1.17	3059.38	978.8	184.2	976.19 S	70.98 W
3300.00	22.88	184.27	1.70	3105.32	998.5	184.2	995.85 S	72.64 W
3350.00	23.07	183.19	0.93	3151.36	1018.0	184.2	1015.32 S	73.91 W

A Gyrodata Directional Survey

CONOCO PHILLIPS

Lease: SAN JUAN 30-5

Well: UNIT #89N, 4-1/2" CASING

Location: BLACK WARRIOR MAST TRUCK, RIO ARRIBA, NEW MEXICO

Job Number: RM0609GW357

MEASURED IN C LAZIMUTH	DOGLEG	VERTICAL	CLOSURE	HORIZONTAL				
DEPTH	SEVERITY	DEPTH	DIST. AZIMUTH	COORDINATES				
feet	deg.	deg.	deg./	feet				
			100 ft.					
				feet				
3400.00	22.78	182.70	0.70	3197.41	1037.5	184.1	1034.77 S	74.91 W
3450.00	23.89	180.84	2.66	3243.31	1057.3	184.1	1054.57 S	75.52 W
3500.00	25.09	182.78	2.88	3288.82	1078.0	184.1	1075.28 S	76.18 W
3550.00	25.95	184.11	2.07	3333.94	1099.5	184.0	1096.78 S	77.48 W
3600.00	26.17	184.47	0.54	3378.85	1121.5	184.0	1118.69 S	79.12 W
3650.00	26.27	184.71	0.29	3423.71	1143.6	184.1	1140.71 S	80.89 W
3700.00	26.07	184.87	0.42	3468.58	1165.6	184.1	1162.69 S	82.73 W
3750.00	25.78	184.82	0.59	3513.55	1187.5	184.1	1184.47 S	84.58 W
3800.00	25.42	186.23	1.41	3558.64	1209.1	184.1	1205.97 S	86.66 W
3850.00	25.13	186.53	0.64	3603.86	1230.4	184.1	1227.18 S	89.03 W
3900.00	24.37	186.27	1.53	3649.26	1251.3	184.2	1247.99 S	91.36 W
3950.00	23.15	186.37	2.44	3695.03	1271.5	184.2	1268.01 S	93.58 W
4000.00	21.39	186.62	3.52	3741.30	1290.4	184.3	1286.83 S	95.72 W
4050.00	19.64	185.96	3.53	3788.12	1307.9	184.3	1304.25 S	97.65 W
4100.00	17.21	184.58	4.94	3835.55	1323.7	184.3	1319.98 S	99.11 W
4150.00	15.54	183.68	3.38	3883.52	1337.8	184.3	1334.04 S	100.13 W
4200.00	14.11	183.08	2.87	3931.86	1350.6	184.3	1346.81 S	100.89 W
4250.00	11.94	183.62	4.35	3980.57	1361.9	184.3	1358.06 S	101.54 W
4300.00	10.38	187.04	3.39	4029.62	1371.5	184.3	1367.70 S	102.42 W
4350.00	8.87	187.56	3.03	4078.92	1379.9	184.3	1375.99 S	103.48 W
4400.00	7.38	186.41	2.99	4128.42	1386.9	184.3	1383.00 S	104.35 W
4450.00	5.99	184.49	2.80	4178.07	1392.7	184.3	1388.79 S	104.91 W
4500.00	4.89	177.45	2.57	4227.85	1397.5	184.3	1393.52 S	105.02 W
4550.00	3.45	171.01	3.03	4277.71	1401.1	184.3	1397.14 S	104.69 W
4600.00	2.43	160.30	2.31	4327.65	1403.5	184.3	1399.62 S	104.10 W
4650.00	2.35	158.24	0.24	4377.61	1405.4	184.2	1401.57 S	103.36 W
4700.00	2.16	159.90	0.40	4427.57	1407.2	184.2	1403.41 S	102.66 W
4750.00	1.87	173.35	1.11	4477.54	1408.8	184.2	1405.10 S	102.24 W
4800.00	1.46	175.19	0.83	4527.51	1410.2	184.2	1406.54 S	102.09 W
4850.00	1.06	170.49	0.83	4577.50	1411.3	184.1	1407.63 S	101.96 W
4900.00	0.84	173.26	0.44	4627.50	1412.1	184.1	1408.45 S	101.84 W
4950.00	0.82	176.03	0.09	4677.49	1412.8	184.1	1409.18 S	101.77 W
5000.00	0.61	174.39	0.43	4727.49	1413.5	184.1	1409.80 S	101.72 W
5050.00	0.61	181.88	0.16	4777.48	1414.0	184.1	1410.33 S	101.71 W
5100.00	0.62	186.53	0.11	4827.48	1414.5	184.1	1410.86 S	101.75 W
5150.00	0.55	190.02	0.16	4877.48	1415.0	184.1	1411.37 S	101.82 W

A Gyrodata Directional Survey

CONOCO PHILLIPS

Lease: SAN JUAN 30-5

Well: UNIT #89N, 4-1/2" CASING

Location: BLACK WARRIOR MAST TRUCK, RIO ARRIBA, NEW MEXICO

Job Number: RM0609GW357

MEASURED IN CLAZIMUTH			DOGLEG	VERTICAL	CLOSURE		HORIZONTAL	
DEPTH			SEVERITY	DEPTH	DIST.	AZIMUTH	COORDINATES	
feet	deg.	deg.	deg./ 100 ft.	feet	feet	deg.	feet	
5200.00	0.41	204.48	0.38	4927.48	1415.4	184.1	1411.77 S	101.93 W
5250.00	0.29	212.73	0.24	4977.48	1415.7	184.1	1412.04 S	102.08 W
5300.00	0.25	197.94	0.17	5027.47	1415.9	184.1	1412.25 S	102.18 W
5350.00	0.19	212.90	0.16	5077.47	1416.1	184.1	1412.42 S	102.26 W
5400.00	0.22	211.49	0.05	5127.47	1416.3	184.1	1412.57 S	102.35 W
5450.00	0.19	178.37	0.24	5177.47	1416.4	184.1	1412.74 S	102.40 W
5500.00	0.18	145.52	0.21	5227.47	1416.6	184.1	1412.89 S	102.35 W
5550.00	0.24	145.47	0.11	5277.47	1416.7	184.1	1413.04 S	102.25 W
5600.00	0.16	162.40	0.20	5327.47	1416.9	184.1	1413.19 S	102.17 W
5650.00	0.22	162.72	0.12	5377.47	1417.0	184.1	1413.34 S	102.12 W
5700.00	0.21	182.99	0.15	5427.47	1417.2	184.1	1413.52 S	102.10 W
5750.00	0.26	199.51	0.17	5477.47	1417.4	184.1	1413.73 S	102.14 W
5800.00	0.17	210.60	0.20	5527.47	1417.6	184.1	1413.90 S	102.22 W
5850.00	0.29	261.75	0.45	5577.47	1417.7	184.1	1413.98 S	102.38 W
5900.00	0.40	236.02	0.37	5627.47	1417.8	184.2	1414.10 S	102.65 W
5950.00	0.70	215.56	0.71	5677.47	1418.2	184.2	1414.44 S	102.97 W
6000.00	0.72	213.09	0.07	5727.46	1418.7	184.2	1414.95 S	103.32 W
6050.00	0.78	214.87	0.13	5777.46	1419.3	184.2	1415.49 S	103.68 W
6100.00	0.80	218.31	0.10	5827.46	1419.9	184.2	1416.04 S	104.09 W
6150.00	0.70	225.49	0.27	5877.45	1420.4	184.2	1416.53 S	104.53 W
6200.00	0.72	229.66	0.11	5927.45	1420.8	184.2	1416.95 S	104.98 W
6250.00	0.66	230.58	0.13	5977.44	1421.3	184.3	1417.33 S	105.44 W
6300.00	0.82	232.39	0.32	6027.44	1421.7	184.3	1417.73 S	105.95 W
6350.00	0.91	229.43	0.20	6077.43	1422.2	184.3	1418.21 S	106.53 W
6400.00	0.96	222.20	0.26	6127.43	1422.8	184.3	1418.78 S	107.12 W
6450.00	1.05	236.62	0.53	6177.42	1423.4	184.3	1419.34 S	107.78 W
6500.00	1.05	231.59	0.18	6227.41	1424.0	184.4	1419.88 S	108.52 W
6550.00	0.94	238.34	0.32	6277.40	1424.6	184.4	1420.38 S	109.23 W
6600.00	0.91	240.20	0.09	6327.40	1425.0	184.4	1420.79 S	109.92 W
6650.00	0.76	239.68	0.30	6377.39	1425.4	184.4	1421.15 S	110.55 W
6700.00	0.63	236.93	0.26	6427.39	1425.8	184.5	1421.47 S	111.06 W
6750.00	0.56	235.60	0.14	6477.39	1426.1	184.5	1421.76 S	111.49 W
6800.00	0.39	245.76	0.39	6527.38	1426.4	184.5	1421.96 S	111.85 W
6850.00	0.24	255.70	0.30	6577.38	1426.5	184.5	1422.06 S	112.11 W
6900.00	0.17	259.52	0.15	6627.38	1426.5	184.5	1422.10 S	112.28 W
6950.00	0.18	230.49	0.18	6677.38	1426.6	184.5	1422.16 S	112.41 W

A Gyrodata Directional Survey

CONOCO PHILLIPS

Lease: SAN JUAN 30-5

Well: UNIT #89N, 4-1/2" CASING

Location: BLACK WARRIOR MAST TRUCK, RIO ARRIBA, NEW MEXICO

Job Number: RM0609GW357

MEASURED IN C LAZIMUTH			DOGLEG VERTICAL	CLOSURE		HORIZONTAL	
DEPTH			SEVERITY	DEPTH	DIST.	AZIMUTH	COORDINATES
feet	deg.	deg.	deg./ 100 ft.	feet	feet	deg.	feet
7000.00	0.26	235.60	0.17	6727.38	1426.7	184.5	1422.28 S 112.57 W
7050.00	0.25	217.13	0.17	6777.38	1426.9	184.5	1422.43 S 112.73 W
7100.00	0.36	217.54	0.21	6827.38	1427.1	184.5	1422.64 S 112.90 W
7150.00	0.33	187.38	0.36	6877.38	1427.4	184.5	1422.91 S 113.01 W
7200.00	0.30	203.52	0.18	6927.38	1427.7	184.5	1423.17 S 113.08 W
7250.00	0.48	207.75	0.35	6977.38	1428.0	184.5	1423.48 S 113.23 W
7300.00	0.39	212.29	0.19	7027.38	1428.3	184.6	1423.80 S 113.42 W
7350.00	0.53	205.44	0.30	7077.38	1428.7	184.6	1424.15 S 113.61 W
7400.00	0.70	202.59	0.35	7127.37	1429.2	184.6	1424.64 S 113.82 W
7450.00	0.64	214.17	0.29	7177.37	1429.7	184.6	1425.16 S 114.10 W
7500.00	0.92	196.45	0.73	7227.36	1430.4	184.6	1425.78 S 114.37 W
7550.00	1.17	203.73	0.56	7277.36	1431.2	184.6	1426.63 S 114.69 W
7600.00	1.34	201.77	0.34	7327.34	1432.3	184.6	1427.64 S 115.11 W
7650.00	1.52	202.13	0.38	7377.33	1433.5	184.6	1428.79 S 115.58 W
7700.00	1.79	199.96	0.55	7427.31	1434.8	184.6	1430.14 S 116.09 W
7750.00	1.68	199.03	0.23	7477.28	1436.3	184.7	1431.57 S 116.60 W
7800.00	1.72	192.69	0.39	7527.26	1437.8	184.7	1432.99 S 117.00 W
7850.00	1.48	196.65	0.54	7577.24	1439.1	184.7	1434.35 S 117.35 W
7900.00	1.38	192.83	0.27	7627.23	1440.4	184.7	1435.55 S 117.67 W
7950.00	1.14	185.57	0.58	7677.22	1441.5	184.7	1436.64 S 117.85 W
8000.00	0.98	177.93	0.43	7727.21	1442.4	184.7	1437.56 S 117.89 W
8050.00	0.88	156.67	0.72	7777.20	1443.1	184.7	1438.34 S 117.72 W
8100.00	0.89	141.74	0.46	7827.19	1443.8	184.7	1439.00 S 117.33 W
8150.00	1.03	149.32	0.38	7877.19	1444.4	184.6	1439.69 S 116.86 W
8198.99	1.04	144.25	0.19	7926.17	1445.1	184.6	1440.43 S 116.37 W

Final Station Closure: Distance: 1445.12 ft Az: 184.62 deg.