

"As Drilled Plat"

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

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

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

RCVD JUN 24 '09
☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT OIL CONS. DIV.

*API Number 30-045-34796	*Pool Code 71599/72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 6881	*Property Name CALLOWAY	*Well Number 1B
*OGRIID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 5741'

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
B	27	31-N	11-W		1090'	NORTH	1745'	EAST	SAN JUAN

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
H	27	31-N	11-W		1723'	NORTH	799'	EAST	SAN JUAN
Dedicated Acres DK 320 ACRE E 1/2 MV 320 ACRE E 1/2			Joint or Infill		Consolidation Code		Order No.		

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
LAT: 36°52.4418' N.
LONG: 107°58.4966' W.
NAD 1927
LAT: 36.874033' N.
LONG: 107.975565' W.
NAD 1983

BOTTOM HOLE
LAT: 36°52.3353' N.
LONG: 107°58.3028' W.
NAD 1927
LAT: 36.872258' N.
LONG: 107.972337' W.
NAD 1983

17 OPERATOR CERTIFICATION

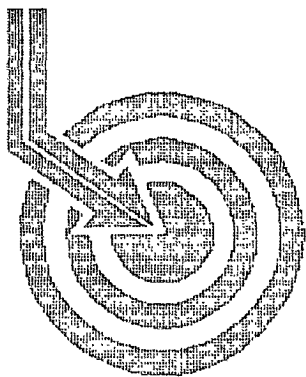
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

Ethel Tally
Signature
Ethel Tally
Printed Name
June 24, 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.

3-18-08
Date of Survey
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Glen W. Russell
Certificate Number 15703



Scientific Drilling

RCVD JUN 24 '09

OIL CONS. DIV.

DIST. 3

BURLINGTON RESOURCES

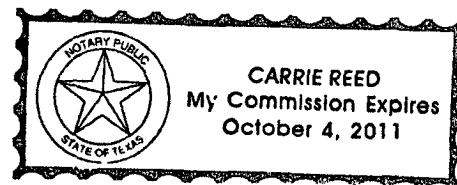
Field: Calloway
Site: Rio Arriba County, NM
Well: Calloway #1B
Wellpath: DH - Job #33D0209043
Survey: 02/28/09-03/06/09

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*L. Wharton*..... Company Representative

Notorized this date 3rd of April, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 04/03/2009	Time: 16:08:45	Page: 1
Field: Calloway	Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, True North		
Site: Rio Arriba County, NM	Vertical (TVD) Reference: SITE 0'0		
Well: Calloway #1B	Section (VS) Reference: Well (0.00N,0.00E,124.37Azi)		
Wellpath: DH - Job #33D0209043	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 02/28/09-03/06/09	Start Date: 02/28/2009
E-field: 0'-4473'	
Company: Scientific Drilling Internatio	Engineer: Lowe/Webb/Orozco/Blosser/Carro
Tool: E-field;E-field	Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
263.00	0.36	321.51	263.00	-0.79	0.65	-0.51	0.14	0.83	321.51
324.00	0.31	108.92	324.00	-0.81	0.74	-0.48	1.05	0.88	327.29
385.00	1.37	97.39	384.99	0.00	0.60	0.40	1.75	0.72	34.00
445.00	2.73	96.67	444.95	1.90	0.34	2.53	2.27	2.55	82.41
507.00	3.72	99.12	506.85	5.03	-0.15	5.98	1.61	5.99	91.46
568.00	4.92	94.42	567.68	9.08	-0.67	10.55	2.05	10.57	93.62
629.00	6.06	93.04	628.40	14.10	-1.04	16.37	1.88	16.40	93.64
659.00	6.53	91.21	658.22	16.88	-1.16	19.66	1.70	19.69	93.38
708.00	8.03	89.61	706.82	22.02	-1.20	25.87	3.09	25.89	92.65
753.00	8.80	90.50	751.33	27.47	-1.20	32.45	1.74	32.47	92.13
798.00	8.69	96.98	795.81	33.34	-1.65	39.27	2.20	39.30	92.40
843.00	8.86	98.98	840.29	39.49	-2.60	46.06	0.78	46.14	93.23
888.00	9.85	98.11	884.69	46.07	-3.69	53.30	2.22	53.43	93.96
933.00	10.88	99.19	928.95	53.37	-4.91	61.30	2.33	61.50	94.58
978.00	11.34	105.02	973.11	61.39	-6.73	69.77	2.70	70.09	95.51
1023.00	12.28	109.13	1017.16	70.18	-9.45	78.56	2.80	79.13	96.86
1068.00	13.37	109.13	1061.03	79.82	-12.72	88.00	2.42	88.91	98.23
1113.00	14.00	109.30	1104.76	90.09	-16.22	98.05	1.40	99.39	99.40
1158.00	14.57	110.46	1148.37	100.84	-20.00	108.49	1.42	110.32	100.45
1203.00	15.19	113.50	1191.86	112.13	-24.33	119.20	2.21	121.66	101.54
1248.00	16.02	116.39	1235.20	124.07	-29.44	130.17	2.53	133.46	102.74
1293.00	16.87	116.16	1278.36	136.68	-35.08	141.59	1.89	145.88	103.92
1338.00	17.97	118.10	1321.29	150.04	-41.23	153.58	2.76	159.02	105.03
1383.00	18.64	121.24	1364.02	164.12	-48.23	165.85	2.65	172.72	106.21
1428.00	19.71	123.36	1406.52	178.89	-56.13	178.34	2.84	186.96	107.47
1473.00	20.19	123.80	1448.82	194.24	-64.62	191.13	1.12	201.76	108.68
1563.00	20.45	125.40	1533.22	225.49	-82.37	216.85	0.68	231.97	110.80
1653.00	20.32	126.24	1617.58	256.83	-100.72	242.27	0.36	262.37	112.57
1744.00	20.93	126.93	1702.75	288.86	-119.83	268.01	0.72	293.58	114.09
1834.00	21.29	126.77	1786.71	321.25	-139.26	293.95	0.41	325.27	115.35
1924.00	20.59	126.85	1870.77	353.38	-158.54	319.70	0.78	356.85	116.38
2014.00	20.98	127.34	1954.91	385.28	-177.80	345.17	0.47	388.28	117.25
2104.00	21.24	127.83	2038.87	417.65	-197.57	370.86	0.35	420.20	118.05
2194.00	21.22	127.93	2122.76	450.18	-217.58	396.58	0.05	452.35	118.75
2284.00	21.36	128.70	2206.62	482.78	-237.84	422.22	0.35	484.60	119.39
2374.00	21.75	128.60	2290.32	515.75	-258.49	448.05	0.44	517.27	119.98
2464.00	21.20	128.59	2374.08	548.61	-279.05	473.80	0.61	549.86	120.50
2554.00	21.31	128.48	2457.95	581.15	-299.37	499.32	0.13	582.19	120.95
2644.00	20.81	128.82	2541.94	613.40	-319.57	524.58	0.57	614.25	121.35
2735.00	20.01	127.61	2627.23	645.06	-339.21	549.51	0.99	645.77	121.69
2825.00	19.24	127.44	2712.00	675.24	-357.62	573.48	0.86	675.85	121.95
2915.00	19.35	128.30	2796.94	704.92	-375.87	596.95	0.34	705.43	122.20
3005.00	18.13	128.39	2882.17	733.77	-393.81	619.63	1.36	734.19	122.44
3095.00	18.81	127.58	2967.54	762.22	-411.36	642.10	0.81	762.57	122.65
3185.00	19.19	127.12	3052.63	791.49	-429.13	665.40	0.45	791.78	122.82
3275.00	19.42	127.46	3137.57	821.20	-447.16	689.07	0.28	821.44	122.98
3320.00	19.11	127.05	3180.05	836.03	-456.15	700.89	0.75	836.25	123.06
3410.00	19.25	127.38	3265.06	865.56	-474.03	724.43	0.20	865.74	123.20



Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES
Field: Calloway
Site: Rio Arriba County, NM
Well: Calloway #1B
Wellpath: DH - Job #33D0209043

Date: 04/03/2009 Time: 16:08:45 Page: 2
Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,124.37Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

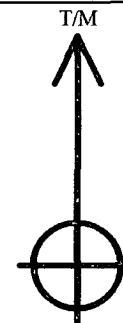
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
3499.00	19.40	126.73	3349.04	894.98	-491.78	747.94	0.29	895.13	123.33
3589.00	20.82	127.36	3433.55	925.89	-510.42	772.63	1.60	926.01	123.45
3679.00	21.65	129.47	3517.44	958.40	-530.68	798.16	1.25	958.48	123.62
3769.00	21.04	130.50	3601.27	991.00	-551.73	823.26	0.80	991.04	123.83
3859.00	20.11	129.40	3685.53	1022.48	-572.04	847.50	1.12	1022.50	124.02
3949.00	16.11	123.99	3771.06	1050.39	-588.85	869.82	4.82	1050.40	124.10
4039.00	12.63	122.01	3858.23	1072.71	-601.05	888.53	3.90	1072.73	124.08
4129.00	11.65	120.42	3946.22	1091.61	-610.87	904.71	1.15	1091.63	124.03
4219.00	9.66	116.63	4034.66	1108.16	-618.86	919.29	2.34	1108.19	123.95
4309.00	8.05	117.22	4123.58	1121.90	-625.12	931.65	1.79	1121.94	123.86
4400.00	5.37	117.00	4213.95	1132.44	-629.97	941.11	2.95	1132.50	123.80
4473.00	3.41	126.08	4286.74	1138.00	-632.80	945.91	2.84	1138.06	123.78



**Scientific
Drilling**

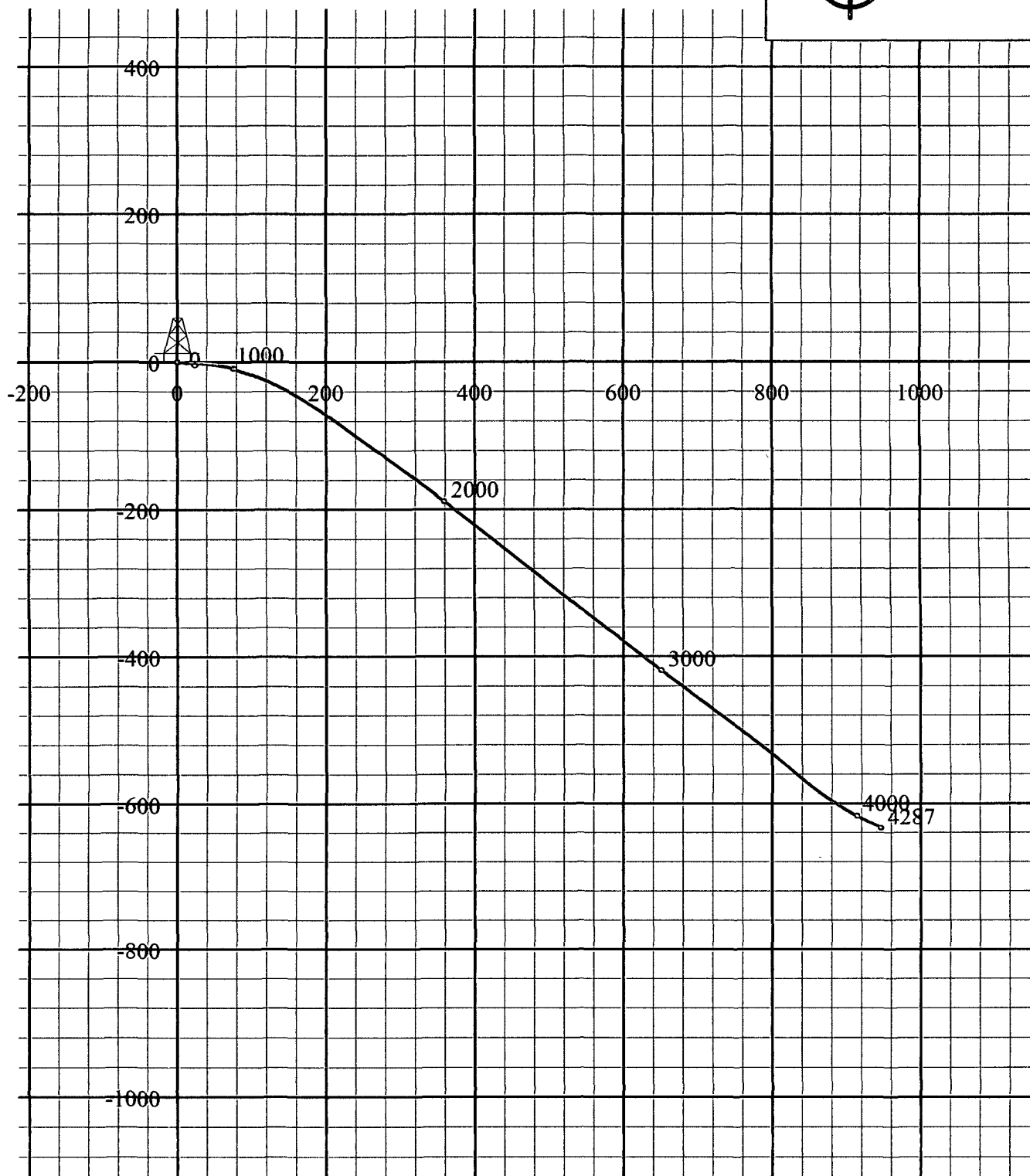
Field: Calloway
Site: Rio Arriba County, NM
Well: Calloway #1B
Wellpath: DH - Job #33D0209043
Survey: 02/28/09-03/06/09



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 04/02/2009
Model: igrf2000

South(-)/North(+) [200ft/in]



West(-)/East(+) [200ft/in]

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName CALLOWAY #1B	API / UWI 3004534796	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 027-031N-011W-B	N/S Dist (ft) 1,090.00	N/S Ref FNL	E/W Dist (ft) 1,745.00	E/W Ref FEL

Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
2/20/2009	130.00	0.50	DEVIATION	MOTE
2/20/2009	235.00	0.50	DEVIATION	MOTE
3/1/2009	263.00	0.36	MWD	Scientific Drilling
3/1/2009	324.00	0.31	MWD	Scientific Drilling
3/1/2009	385.00	1.37	MWD	Scientific Drilling
3/1/2009	445.00	2.73	MWD	Scientific Drilling
3/1/2009	507.00	3.72	MWD	Scientific Drilling
3/1/2009	568.00	4.92	MWD	Scientific Drilling
3/1/2009	629.00	6.06	MWD	Scientific Drilling
3/1/2009	659.00	6.53	MWD	Scientific Drilling
3/1/2009	708.00	8.03	MWD	Scientific Drilling
3/1/2009	753.00	8.80	MWD	Scientific Drilling
3/1/2009	798.00	8.69	MWD	Scientific Drilling
3/1/2009	843.00	8.86	MWD	Scientific Drilling
3/1/2009	888.00	9.85	MWD	Scientific Drilling
3/1/2009	933.00	10.88	MWD	Scientific Drilling
3/1/2009	978.00	11.34	MWD	Scientific Drilling
3/1/2009	1,023.00	12.28	MWD	Scientific Drilling
3/1/2009	1,068.00	13.37	MWD	Scientific Drilling
3/1/2009	1,113.00	14.00	MWD	Scientific Drilling
3/2/2009	1,158.00	14.57	MWD	Scientific Drilling
3/2/2009	1,203.00	15.19	MWD	Scientific Drilling
3/2/2009	1,248.00	16.02	MWD	Scientific Drilling
3/2/2009	1,293.00	16.87	MWD	Scientific Drilling
3/2/2009	1,338.00	17.94	MWD	Scientific Drilling
3/2/2009	1,383.00	18.64	MWD	Scientific Drilling
3/2/2009	1,428.00	19.71	MWD	Scientific Drilling
3/2/2009	1,473.00	20.19	MWD	Scientific Drilling
3/2/2009	1,563.00	20.45	MWD	Scientific Drilling
3/2/2009	1,653.00	20.32	MWD	Scientific Drilling
3/2/2009	1,744.00	20.93	MWD	Scientific Drilling
3/2/2009	1,834.00	21.59	MWD	Scientific Drilling
3/2/2009	1,924.00	20.59	MWD	Scientific Drilling
3/2/2009	2,014.00	20.98	MWD	Scientific Drilling
3/2/2009	2,104.00	21.24	MWD	Scientific Drilling

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

21st May

RCUD MAY 21 09

OIL CONS. DIV.

DIST. 3

Notary Public in and for San Juan County, New Mexico

My Commission expires

Feb. 28th 2012

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
3/2/2009	2,194.00	21.22	MWD	Scientific Drilling
3/2/2009	2,284.00	21.36	MWD	Scientific Drilling
3/2/2009	2,374.00	21.75	MWD	Scientific Drilling
3/2/2009	2,464.00	21.20	MWD	Scientific Drilling
3/3/2009	2,554.00	21.31	MWD	Scientific Drilling
3/3/2009	2,644.00	20.81	MWD	Scientific Drilling
3/3/2009	2,735.00	20.01	MWD	Scientific Drilling
3/3/2009	2,825.00	19.24	MWD	Scientific Drilling
3/3/2009	2,915.00	19.35	MWD	Scientific Drilling
3/3/2009	3,005.00	18.13	MWD	Scientific Drilling
3/3/2009	3,095.00	18.81	MWD	Scientific Drilling
3/3/2009	3,185.00	19.19	MWD	Scientific Drilling
3/3/2009	3,275.00	19.42	MWD	Scientific Drilling
3/3/2009	3,320.00	19.11	MWD	Scientific Drilling
3/3/2009	3,410.00	19.25	MWD	Scientific Drilling
3/4/2009	3,499.00	19.40	MWD	Scientific Drilling
3/4/2009	3,589.00	20.82	MWD	Scientific Drilling
3/4/2009	3,679.00	21.04	MWD	Scientific Drilling
3/4/2009	3,859.00	20.11	MWD	Scientific Drilling
3/4/2009	3,949.00	16.11	MWD	Scientific Drilling
3/4/2009	4,039.00	12.63	MWD	Scientific Drilling
3/5/2009	4,129.00	11.65	MWD	Scientific Drilling
3/5/2009	4,219.00	9.66	MWD	Scientific Drilling
3/5/2009	4,309.00	8.05	MWD	Scientific Drilling
3/5/2009	4,400.00	5.37	MWD	Scientific Drilling
3/5/2009	4,473.00	3.41	MWD	Scientific Drilling
3/5/2009	4,531.00	1.85	Interp.	Scientific Drilling
3/19/2009	7,205.00	0.75	FINAL BHS	PHOENIX

4564-5150
6960-7154

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.

[Signature]

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____