

RECEIVED

MAR 04 2015

NMOCD Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

District
1625 N. French Dr., Santa Fe, NM 87505
Phone: (505) 893-6161 Fax: (505) 893-0720
District II
611 N. First St., Alameda, NM 86110
Phone: (505) 748-1223 Fax: (505) 748-0720
District III
1000 Rio Pecos Road, Aztec, NM 87410
Phone: (505) 354-6178 Fax: (505) 354-6179
District IV
1220 N. El Camino Dr., Santa Fe, NM 87505
Phone: (505) 876-3460 Fax: (505) 476-3460

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 AFI Number 30-045-35566		2 Pool Code 72319 / 71599		3 Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
4 Property Code 7021		5 Property Name FLORANCE			6 Well Number 2M
7 COBID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP			9 Elevation 8954

10 SURFACE LOCATION

UL or lot no.	Section	Township	Range	Let Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	21	30-N	9-W		1531	SOUTH	1330	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Let Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	21	30-N	9-W		762	SOUTH	771	EAST	SAN JUAN

12 Dedicated Acres 8/2320/MV 8/2320/DK	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.

16

BLM BC 1951 N 89°53' W 6267.45' (M) S 89°48'43" E 2035.38' (M) BLM BC 1951

N 89°54'61" E 2629.24' (M) S 07°54'44" W 2613.38' (M)

BLM BC 1951

N 07°35' E 5226.54' (M) N 07°32'01" E 2613.09' (M)

BLM BC 1951

NM SF-078118-A

WELL FLAG
NAD 83
LAT: 38.79413° N
LONG: 107.78137° W
NAD 27
LAT: 38°47.64763' N
LONG: 107°46.84537' W

SECTION 21
T-30-N, R-09-W
S/2 DEDICATED
ACREAGE
NM SF-080244

1330'

771

762

BLM BC 1951

BLM BC 1951

S 89°53'48" E 2614.78' (M) N 89°51' W 6234.46' (M)

BLM BC 1951

N 07°31'27" E 2613.09' (M) S 07°35'35" W 2616.58' (M)

N 07°32'01" E 2613.09' (M) S 07°34'44" W 2613.38' (M)

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and accurate to the best of my knowledge and belief, and that this organization either owns or controls the interest in the land (whether the proposed bottom hole location or not) in all this well at the time of completion of this report, and that I am not a mineral or royalty interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Dollie L. Busse 3/2/15
Signature Date

Dollie L. Busse
Printed Name

dollie.l.busse@cop.com
E-mail Address

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: 02/05/2014
Signature and Seal of Professional Surveyor:

HENRY P. BROADHURST
NEW MEXICO
11393
02422014
PROFESSIONAL SURVEYOR

Certificate Number: NM 11393

AV

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP		Legal WellName FLORANCE #2M		API / UWI 3004535566		County SAN JUAN		State/Province NEW MEXICO	
Surface Legal Location 021-030N-009W-J				N/S Dist (ft) 1,531.00		N/S Ref FSL		E/W Dist (ft) 1,330.00	
Date 1/20/2015		Description INCLINATION SURVEY							
Survey Data									
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company				
1/20/2015	134.00	0.90	0.00	Inc-Drop	MO-TE DRILLING INC				
1/20/2015	234.00	0.80	0.00	Inc-Drop	MO-TE DRILLING INC				
2/24/2015	7,344.00	0.50	0.00	Inc-WL	Phoenix Services LLC				
Date 2/14/2015		Description DIRECTIONAL SURVEY							
Survey Data									
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company				
2/16/2015	0.00	0.00	0.00	IncAzi-MWD	CATHEDRAL				
2/15/2015	243.00	0.80	95.10	IncAzi-MWD	CATHEDRAL				
2/15/2015	273.00	0.90	97.20	IncAzi-MWD	CATHEDRAL				
2/15/2015	304.00	1.20	124.10	IncAzi-MWD	CATHEDRAL				
2/15/2015	334.00	2.10	142.70	IncAzi-MWD	CATHEDRAL				
2/15/2015	364.00	2.80	148.60	IncAzi-MWD	CATHEDRAL				
2/15/2015	395.00	3.70	147.30	IncAzi-MWD	CATHEDRAL				
2/15/2015	425.00	4.50	147.40	IncAzi-MWD	CATHEDRAL				
2/15/2015	456.00	5.20	145.80	IncAzi-MWD	CATHEDRAL				
2/15/2015	486.00	5.10	146.00	IncAzi-MWD	CATHEDRAL				
2/15/2015	517.00	6.00	145.00	IncAzi-MWD	CATHEDRAL				
2/15/2015	548.00	6.80	145.20	IncAzi-MWD	CATHEDRAL				
2/15/2015	578.00	7.70	145.70	IncAzi-MWD	CATHEDRAL				
2/15/2015	609.00	8.50	145.40	IncAzi-MWD	CATHEDRAL				
2/15/2015	639.00	9.30	146.90	IncAzi-MWD	CATHEDRAL				
2/15/2015	699.00	11.00	148.30	IncAzi-MWD	CATHEDRAL				
2/15/2015	760.00	11.80	147.80	IncAzi-MWD	CATHEDRAL				
2/15/2015	822.00	12.90	145.40	IncAzi-MWD	CATHEDRAL				
2/15/2015	884.00	13.60	145.10	IncAzi-MWD	CATHEDRAL				
2/15/2015	945.00	14.40	145.00	IncAzi-MWD	CATHEDRAL				
2/15/2015	1,007.00	14.60	144.30	IncAzi-MWD	CATHEDRAL				
2/15/2015	1,071.00	15.70	144.40	IncAzi-MWD	CATHEDRAL				
2/15/2015	1,135.00	17.00	144.30	IncAzi-MWD	CATHEDRAL				

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.

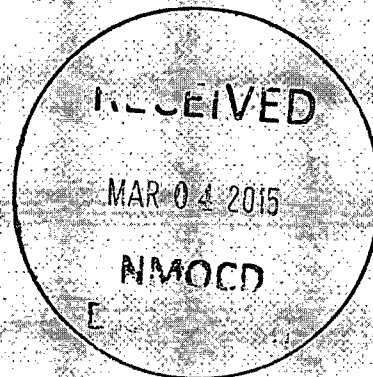
[Signature]

Subscribed and sworn to me this MARCH 3, 2015

DOLLIE L. BUSE *[Signature]*

Notary Public in and for San Juan County, New Mexico

My Commission expires AUGUST 6, 2018



Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
2/15/2015	1,199.00	18.10	144.40	IncAzi-MWD	CATHEDRAL
2/15/2015	1,263.00	19.60	143.40	IncAzi-MWD	CATHEDRAL
2/15/2015	1,326.00	21.40	142.00	IncAzi-MWD	CATHEDRAL
2/15/2015	1,390.00	21.90	142.00	IncAzi-MWD	CATHEDRAL
2/15/2015	1,455.00	21.90	141.00	IncAzi-MWD	CATHEDRAL
2/15/2015	1,519.00	22.60	140.20	IncAzi-MWD	CATHEDRAL
2/15/2015	1,583.00	22.80	140.70	IncAzi-MWD	CATHEDRAL
2/15/2015	1,646.00	21.80	142.90	IncAzi-MWD	CATHEDRAL
2/15/2015	1,710.00	20.00	142.50	IncAzi-MWD	CATHEDRAL
2/15/2015	1,774.00	20.00	142.40	IncAzi-MWD	CATHEDRAL
2/15/2015	1,838.00	20.40	141.40	IncAzi-MWD	CATHEDRAL
2/15/2015	1,902.00	20.60	141.40	IncAzi-MWD	CATHEDRAL
2/15/2015	1,965.00	19.80	143.40	IncAzi-MWD	CATHEDRAL
2/15/2015	2,028.00	19.70	143.70	IncAzi-MWD	CATHEDRAL
2/15/2015	2,092.00	20.00	143.20	IncAzi-MWD	CATHEDRAL
2/16/2015	2,156.00	20.10	142.80	IncAzi-MWD	CATHEDRAL
2/16/2015	2,220.00	18.70	143.90	IncAzi-MWD	CATHEDRAL
2/16/2015	2,284.00	18.00	144.00	IncAzi-MWD	CATHEDRAL
2/16/2015	2,348.00	17.40	142.90	IncAzi-MWD	CATHEDRAL
2/16/2015	2,412.00	17.60	140.80	IncAzi-MWD	CATHEDRAL
2/16/2015	2,475.00	18.20	141.40	IncAzi-MWD	CATHEDRAL
2/16/2015	2,539.00	18.60	142.60	IncAzi-MWD	CATHEDRAL
2/16/2015	2,602.00	18.70	143.60	IncAzi-MWD	CATHEDRAL
2/16/2015	2,666.00	18.60	145.80	IncAzi-MWD	CATHEDRAL
2/16/2015	2,729.00	18.50	148.30	IncAzi-MWD	CATHEDRAL
2/16/2015	2,793.00	19.10	148.30	IncAzi-MWD	CATHEDRAL
2/16/2015	2,857.00	20.20	147.30	IncAzi-MWD	CATHEDRAL
2/16/2015	2,921.00	18.90	145.30	IncAzi-MWD	CATHEDRAL
2/16/2015	2,985.00	18.40	145.40	IncAzi-MWD	CATHEDRAL
2/16/2015	3,049.00	18.20	146.90	IncAzi-MWD	CATHEDRAL
2/16/2015	3,113.00	17.90	148.50	IncAzi-MWD	CATHEDRAL
2/16/2015	3,176.00	17.00	148.00	IncAzi-MWD	CATHEDRAL
2/16/2015	3,240.00	15.20	146.80	IncAzi-MWD	CATHEDRAL
2/16/2015	3,303.00	13.50	146.50	IncAzi-MWD	CATHEDRAL
2/16/2015	3,366.00	12.30	146.70	IncAzi-MWD	CATHEDRAL

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

FLORANCE #2M

Survey Data

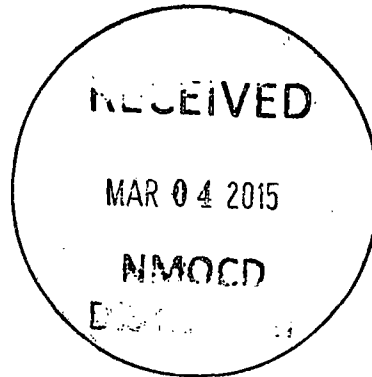
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
2/16/2015	3,430.00	10.80	146.80	IncAzi-MWD	CATHEDRAL
2/16/2015	3,494.00	9.80	146.40	IncAzi-MWD	CATHEDRAL
2/16/2015	3,558.00	8.80	144.90	IncAzi-MWD	CATHEDRAL
2/16/2015	3,622.00	7.80	142.00	IncAzi-MWD	CATHEDRAL
2/16/2015	3,686.00	6.80	140.50	IncAzi-MWD	CATHEDRAL
2/16/2015	3,750.00	5.80	138.80	IncAzi-MWD	CATHEDRAL
2/16/2015	3,814.00	4.90	137.70	IncAzi-MWD	CATHEDRAL
2/16/2015	3,879.00	4.00	143.50	IncAzi-MWD	CATHEDRAL
2/16/2015	3,943.00	2.60	152.30	IncAzi-MWD	CATHEDRAL
2/16/2015	3,976.00	1.40	156.50	IncAzi-MWD	CATHEDRAL

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 _____



Conoco Phillips
San Juan Basin
Sec21-T30N-R9W
Florance 2M
Build/ Hold & Drop

API # 300453566

Cathedral Energy Services Ltd. Survey Report

16 February 2015

Surface Coordinates: 2108386.47 N, 2738485.97 E (36° 47' 38.8572" N, 107° 46' 50.7216" W)
Grid Coordinate System: NAD83 New Mexico State Planes, Western Zone

Surface Coordinates relative to Sec21-T30N-R9W: 0.00 N, 0.00 E (True)

RKB Elevation: 6027.00ft above Mean Sea Level
RKB Elevation: 73.00ft above Sec21-T30N-R9W

RKB Elevation: 17.00ft above Ground Level
Ground Level: 6010.00ft

Survey Ref: svy184
Date of Survey: 14 February 2015



Survey Report for Sec21-T30N-R9W, Florance 2M, Build/ Hold & Drop

Survey Depth (ft)	Incl. (°)	(True) Azim. (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (%/100ft)
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	
243.00	0.80	95.10	242.99	0.15 S	1.69 E	1.11	0.329
273.00	0.90	97.20	272.99	0.20 S	2.13 E	1.41	0.349
304.00	1.20	124.10	303.98	0.41 S	2.64 E	1.88	1.835
334.00	2.10	142.70	333.97	1.02 S	3.24 E	2.72	3.453
364.00	2.80	148.60	363.94	2.09 S	3.95 E	4.00	2.477
395.00	3.70	147.30	394.89	3.58 S	4.89 E	5.76	2.913
425.00	4.50	147.40	424.82	5.38 S	6.04 E	7.90	2.667
456.00	5.20	145.80	455.71	7.57 S	7.49 E	10.52	2.300
486.00	5.10	146.00	485.58	9.80 S	9.00 E	13.21	0.339
517.00	6.00	145.00	516.44	12.27 S	10.70 E	16.21	2.920
548.00	6.80	145.20	547.25	15.10 S	12.67 E	19.66	2.582
578.00	7.70	145.70	577.00	18.22 S	14.82 E	23.45	3.007
609.00	8.50	145.40	607.70	21.82 S	17.29 E	27.81	2.584
639.00	9.30	146.90	637.33	25.68 S	19.87 E	32.45	2.776
699.00	11.00	148.30	696.39	34.61 S	25.53 E	43.00	2.863
760.00	11.80	147.80	756.19	44.84 S	31.91 E	55.03	1.321
822.00	12.90	145.40	816.75	55.90 S	39.22 E	68.28	1.957
884.00	13.60	145.10	877.10	67.58 S	47.32 E	82.49	1.134
945.00	14.40	145.00	936.29	79.67 S	55.77 E	97.25	1.312
1007.00	14.60	144.30	996.32	92.33 S	64.76 E	112.77	0.429
1071.00	15.70	144.40	1058.09	105.92 S	74.50 E	129.49	1.719
1135.00	17.00	144.30	1119.50	120.56 S	85.01 E	147.51	2.032
1199.00	18.10	144.40	1180.52	136.25 S	96.25 E	166.81	1.719
1263.00	19.60	143.40	1241.09	152.95 S	108.44 E	187.48	2.397
1326.00	21.40	142.00	1300.10	170.49 S	121.82 E	209.54	2.961
1390.00	21.90	142.00	1359.58	189.10 S	136.35 E	233.13	0.781
1455.00	21.90	141.00	1419.89	208.07 S	151.45 E	257.35	0.574
1519.00	22.60	140.20	1479.12	226.79 S	166.83 E	281.53	1.192
1583.00	22.80	140.70	1538.17	245.84 S	182.56 E	306.17	0.434
1646.00	21.80	142.90	1596.46	264.61 S	197.34 E	330.05	2.067
1710.00	20.00	142.50	1656.24	282.78 S	211.18 E	352.88	2.821
1774.00	20.00	142.40	1716.38	300.13 S	224.52 E	374.75	0.053
1838.00	20.40	141.40	1776.45	317.52 S	238.15 E	396.83	0.826
1902.00	20.60	141.40	1836.39	335.04 S	252.14 E	419.22	0.313
1965.00	19.80	143.40	1895.52	352.26 S	265.41 E	440.96	1.677
2028.00	19.70	143.70	1954.81	369.39 S	278.06 E	462.25	0.226
2092.00	20.00	143.20	2015.01	386.85 S	291.00 E	483.98	0.539
2156.00	20.10	142.80	2075.13	404.37 S	304.21 E	505.91	0.265
2220.00	18.70	143.90	2135.50	421.42 S	316.90 E	527.17	2.261
2284.00	18.00	144.00	2196.24	437.71 S	328.76 E	547.31	1.095
2348.00	17.40	142.90	2257.21	453.34 S	340.35 E	566.77	1.073
2412.00	17.60	140.80	2318.25	468.47 S	352.23 E	585.99	1.035
2475.00	18.20	141.40	2378.20	483.54 S	364.39 E	605.33	0.996
2539.00	18.60	142.60	2438.93	499.46 S	376.83 E	625.51	0.861
2602.00	18.70	143.60	2498.62	515.57 S	388.92 E	645.66	0.532
2666.00	18.60	145.80	2559.26	532.27 S	400.75 E	666.12	1.110
2729.00	18.50	148.30	2618.99	549.09 S	411.65 E	686.13	1.272
2793.00	19.10	148.30	2679.57	566.63 S	422.49 E	706.70	0.938
2857.00	20.20	147.30	2739.85	584.84 S	433.96 E	728.18	1.797

Survey Report for Sec21-T30N-R9W, Florance 2M, Build/ Hold & Drop

Survey Depth (ft)	Incl. (°)	(True) Azim. (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
2921.00	18.90	145.30	2800.16	602.66 S	445.83 E	749.58	2.284
2985.00	18.40	145.40	2860.79	619.50 S	457.46 E	770.04	0.783
3049.00	18.20	146.90	2921.56	636.19 S	468.66 E	790.13	0.799
3113.00	17.90	148.50	2982.41	652.95 S	479.26 E	809.92	0.905
3176.00	17.00	148.00	3042.51	669.01 S	489.19 E	828.77	1.448
3240.00	15.20	146.80	3104.00	683.97 S	498.75 E	846.48	2.860
3303.00	13.50	146.50	3165.03	697.01 S	507.33 E	862.08	2.701
3366.00	12.30	146.70	3226.44	708.75 S	515.07 E	876.14	1.906
3430.00	10.80	146.80	3289.14	719.47 S	522.10 E	888.94	2.344
3494.00	9.80	146.40	3352.11	729.02 S	528.40 E	900.37	1.566
3558.00	8.80	144.90	3415.27	737.56 S	534.23 E	910.71	1.608
3622.00	7.80	142.00	3478.59	744.99 S	539.71 E	919.94	1.693
3686.00	6.80	140.50	3542.07	751.34 S	544.80 E	928.07	1.590
3750.00	5.80	138.80	3605.69	756.70 S	549.34 E	935.07	1.589
3814.00	4.90	137.70	3669.41	761.15 S	553.31 E	941.00	1.415
3879.00	4.00	143.50	3734.21	765.03 S	556.53 E	946.03	1.546
3943.00	2.60	152.30	3798.10	768.11 S	558.53 E	949.70	2.320
3976.00	1.40	156.50	3831.08	769.14 S	559.04 E	950.83	3.661

All data is in Feet (US Survey) unless otherwise stated. Directions and coordinates are relative to True North.
 Vertical depths are relative to Florance 2M. Northings and Eastings are relative to Sec21-T30N-R9W.

The dogleg severity is in Degrees per 100 feet (US Survey).
 Vertical Section is from Sec21-T30N-R9W calculated along an azimuth of 144.24° (True).

Based upon minimum curvature calculations, at a measured depth of 3976.00ft,
 the bottom hole displacement is 950.84ft, in the direction of 143.99° (True).

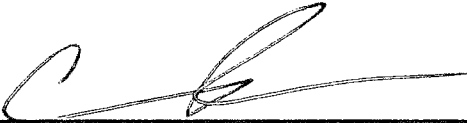
Disclaimer Notice

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Cathedral Energy Services Ltd. are not responsible for any actions (or lack thereof) taken as a result of relying on or in any way using information contained in this document and in no event shall be liable for any damages resulting from reliance on or use of this information.

AFFIRMATION

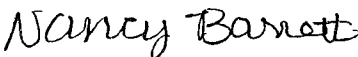
(Applicant must sign in front of a notary public)


Gavin Rathjen
Official Signature of Applicant

2-24-15

Date

Subscribed and sworn to or affirmed before me this 24th day of
February, 20 15, in the county of Denver,
State of Colorado.


Nancy Barrett
Signature of Notary Public

9-18-16

Commission Expiration Date

