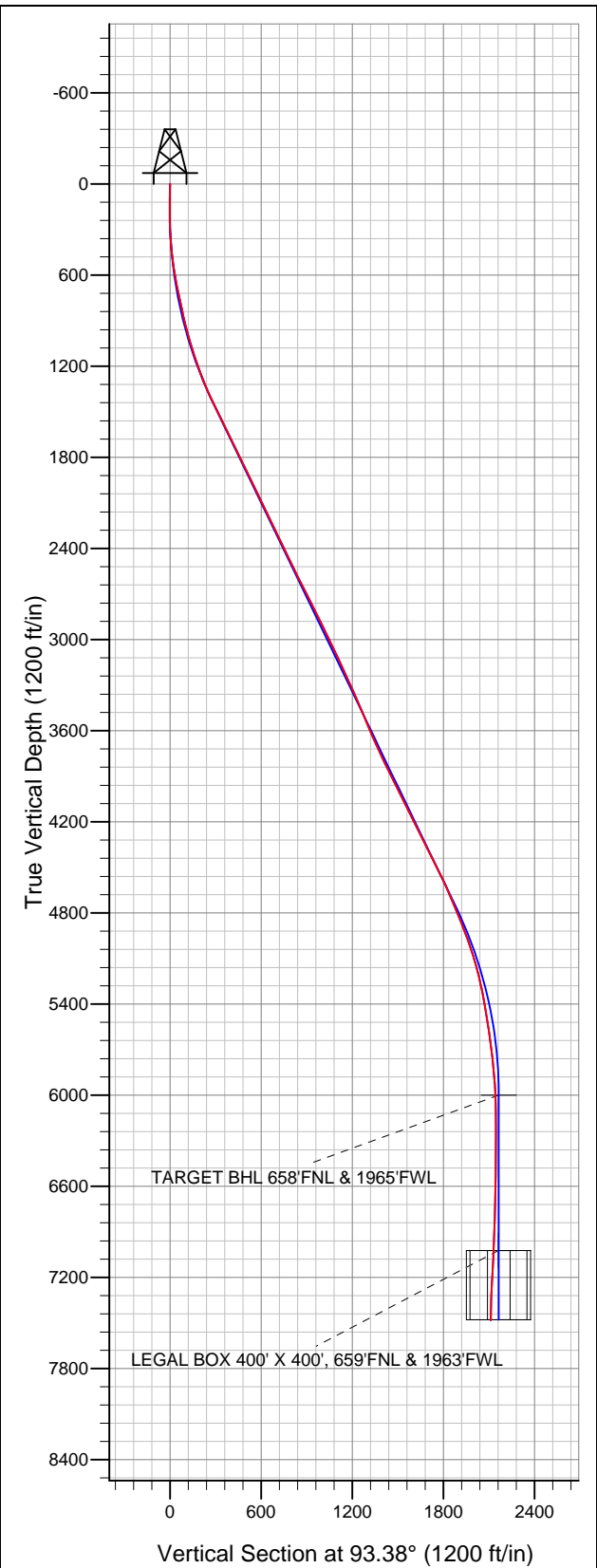


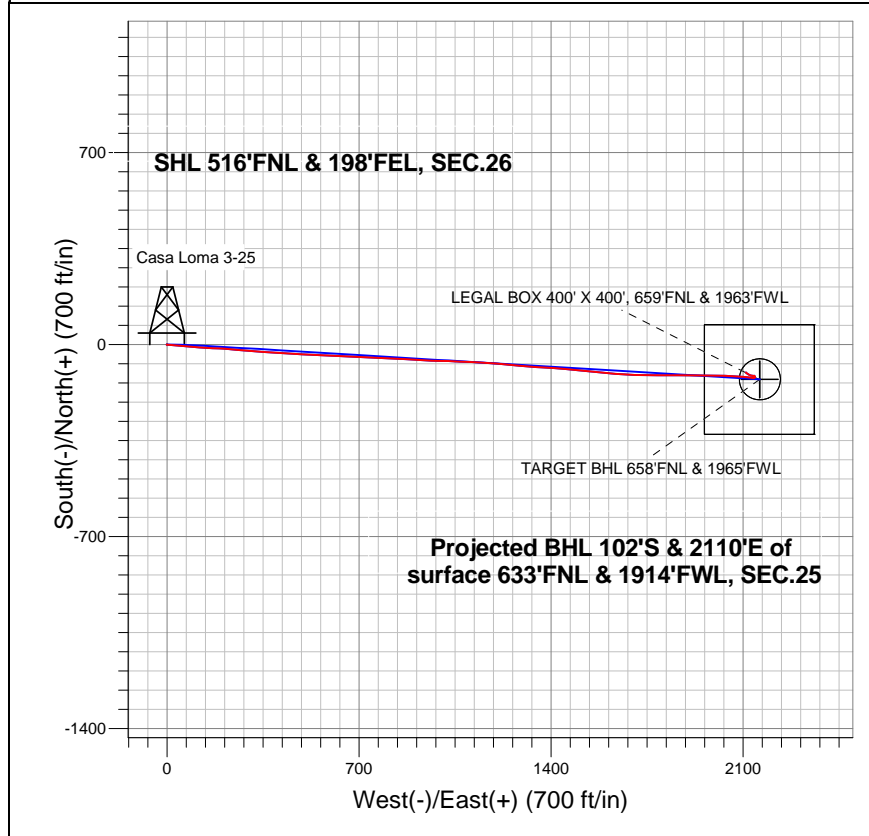


Well Name: Casa Loma 3-25

Surface Location: Hirsch/Casa Loma 10 Pad Sec.26-T7N-R67W
North American Datum 1983 US State Plane 1983 Colorado Northern Zone
Ground Elevation: 4953.0
+N/-S 0.0 +E/-W 0.0 Northing 1444210.72 Easting 3180182.41 Latitude 40.550950 Longitude -104.851600 Slot
Original Well Elev WELL @ 4969.0ft (Original Well Elev)



BAYSWATER EXPLORATION & PRODUCTION



LEGEND

- ✕ Casa Loma 3-25, Wellbore #1, Plan #1 (7-10-12) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
7925'MD & 7484'TVD @ 2113'VS
1.1 deg Inc 1.6 deg AZ

Project: SEC.26-T7N-R67W
Site: Hirsch/Casa Loma 10 Pad Sec.26-T7N-R67W
Well: Casa Loma 3-25
Plan: Wellbore #1



BAYSWATER EXPLORATION & PRODUCTION

SEC.26-T7N-R67W

Hirsch/Casa Loma 10 Pad Sec.26-T7N-R67W

Casa Loma 3-25

Wellbore #1

Survey: Survey #1

Standard Survey Report

14 February, 2013

Survey										
	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	99.0	0.80	248.20	99.0	-0.3	-0.6	-0.6	0.81	0.81	0.00
	186.0	0.40	227.50	186.0	-0.7	-1.4	-1.4	0.52	-0.46	-23.79
	276.0	1.80	94.60	276.0	-1.0	-0.3	-0.2	2.33	1.56	-147.67
	366.0	3.70	84.00	365.9	-0.8	4.0	4.1	2.18	2.11	-11.78
	458.0	6.20	95.40	457.5	-1.0	11.9	12.0	2.91	2.72	12.39
	549.0	8.80	99.30	547.7	-2.6	23.7	23.8	2.91	2.86	4.29
	640.0	10.40	94.40	637.5	-4.3	38.8	39.0	1.97	1.76	-5.38
	728.0	12.00	95.60	723.8	-5.8	55.8	56.0	1.84	1.82	1.36
	831.0	12.20	94.90	824.5	-7.8	77.3	77.6	0.24	0.19	-0.68
	924.0	13.60	93.50	915.1	-9.3	98.0	98.4	1.54	1.51	-1.51
	1,018.0	15.60	94.20	1,006.1	-10.9	121.6	122.1	2.14	2.13	0.74

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Casa Loma 3-25
Project:	SEC.26-T7N-R67W	TVD Reference:	WELL @ 4969.0ft (Original Well Elev)
Site:	Hirsch/Casa Loma 10 Pad Sec.26-T7N-R67W	MD Reference:	WELL @ 4969.0ft (Original Well Elev)
Well:	Casa Loma 3-25	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,112.0	17.90	93.30	1,096.1	-12.7	148.7	149.2	2.46	2.45	-0.96
1,206.0	19.30	91.40	1,185.2	-13.9	178.6	179.1	1.62	1.49	-2.02
1,299.0	20.80	95.30	1,272.6	-15.8	210.4	211.0	2.16	1.61	4.19
1,393.0	23.80	95.40	1,359.5	-19.1	245.9	246.6	3.19	3.19	0.11
1,487.0	25.40	94.40	1,445.0	-22.4	284.9	285.8	1.76	1.70	-1.06
1,580.0	26.30	95.10	1,528.7	-25.8	325.3	326.3	1.02	0.97	0.75
1,674.0	25.90	93.30	1,613.1	-28.8	366.6	367.6	0.94	-0.43	-1.91
1,768.0	26.70	93.50	1,697.4	-31.3	408.1	409.3	0.86	0.85	0.21
1,861.0	26.20	92.30	1,780.6	-33.4	449.5	450.7	0.79	-0.54	-1.29
1,955.0	25.60	92.60	1,865.2	-35.2	490.5	491.8	0.65	-0.64	0.32
2,049.0	26.10	94.20	1,949.8	-37.6	531.4	532.7	0.91	0.53	1.70
2,142.0	25.50	92.50	2,033.5	-40.0	571.9	573.2	1.02	-0.65	-1.83
2,236.0	26.10	92.50	2,118.1	-41.7	612.7	614.1	0.64	0.64	0.00
2,330.0	25.30	92.80	2,202.8	-43.6	653.4	654.9	0.86	-0.85	0.32
2,423.0	25.60	92.60	2,286.8	-45.5	693.4	694.8	0.34	0.32	-0.22
2,517.0	26.10	92.80	2,371.4	-47.4	734.3	735.8	0.54	0.53	0.21
2,611.0	26.50	92.80	2,455.7	-49.5	775.9	777.5	0.43	0.43	0.00
2,705.0	25.80	92.50	2,540.1	-51.4	817.3	818.9	0.76	-0.74	-0.32
2,798.0	26.90	92.30	2,623.4	-53.1	858.5	860.2	1.19	1.18	-0.22
2,892.0	27.20	93.20	2,707.1	-55.2	901.2	902.9	0.54	0.32	0.96
2,986.0	26.70	93.70	2,790.9	-57.7	943.7	945.5	0.58	-0.53	0.53
3,079.0	25.90	91.60	2,874.3	-59.7	984.9	986.7	1.32	-0.86	-2.26
3,173.0	25.50	91.20	2,959.0	-60.6	1,025.7	1,027.4	0.46	-0.43	-0.43
3,267.0	25.80	93.30	3,043.7	-62.3	1,066.3	1,068.1	1.02	0.32	2.23
3,360.0	25.80	92.30	3,127.5	-64.2	1,106.7	1,108.6	0.47	0.00	-1.08
3,454.0	24.60	92.30	3,212.5	-65.8	1,146.7	1,148.6	1.28	-1.28	0.00
3,548.0	23.60	95.40	3,298.3	-68.4	1,185.0	1,187.0	1.72	-1.06	3.30
3,641.0	24.20	96.00	3,383.3	-72.1	1,222.5	1,224.6	0.70	0.65	0.65
3,735.0	22.80	95.30	3,469.5	-75.8	1,259.8	1,262.1	1.52	-1.49	-0.74
3,829.0	23.50	93.30	3,556.0	-78.6	1,296.6	1,299.0	1.12	0.74	-2.13
3,923.0	23.20	94.00	3,642.3	-81.0	1,333.8	1,336.3	0.43	-0.32	0.74
4,016.0	24.50	94.40	3,727.3	-83.7	1,371.3	1,373.9	1.41	1.40	0.43
4,110.0	25.90	93.50	3,812.4	-86.5	1,411.3	1,413.9	1.54	1.49	-0.96
4,204.0	26.60	95.10	3,896.7	-89.6	1,452.7	1,455.5	1.06	0.74	1.70
4,297.0	27.00	95.30	3,979.7	-93.4	1,494.5	1,497.4	0.44	0.43	0.22
4,391.0	25.40	96.50	4,064.0	-97.6	1,535.7	1,538.8	1.79	-1.70	1.28
4,485.0	26.70	96.00	4,148.5	-102.1	1,576.8	1,580.1	1.40	1.38	-0.53
4,578.0	26.90	93.90	4,231.5	-105.8	1,618.5	1,622.0	1.04	0.22	-2.26
4,672.0	26.40	93.70	4,315.5	-108.5	1,660.6	1,664.1	0.54	-0.53	-0.21
4,766.0	26.60	92.10	4,399.6	-110.7	1,702.5	1,706.1	0.79	0.21	-1.70
4,859.0	27.40	91.20	4,482.5	-111.9	1,744.7	1,748.3	0.97	0.86	-0.97
4,953.0	25.80	90.30	4,566.6	-112.4	1,786.8	1,790.3	1.76	-1.70	-0.96
5,047.0	23.40	89.50	4,652.0	-112.4	1,825.9	1,829.4	2.58	-2.55	-0.85
5,141.0	22.80	89.80	4,738.5	-112.2	1,862.8	1,866.2	0.65	-0.64	0.32
5,234.0	21.60	90.90	4,824.6	-112.4	1,897.9	1,901.3	1.37	-1.29	1.18
5,328.0	21.00	91.20	4,912.2	-113.0	1,932.1	1,935.4	0.65	-0.64	0.32
5,422.0	20.40	90.70	5,000.1	-113.5	1,965.3	1,968.6	0.67	-0.64	-0.53
5,515.0	17.10	90.30	5,088.1	-113.8	1,995.2	1,998.4	3.55	-3.55	-0.43
5,609.0	14.10	90.90	5,178.7	-114.1	2,020.5	2,023.7	3.20	-3.19	0.64
5,703.0	12.80	91.60	5,270.1	-114.5	2,042.3	2,045.5	1.39	-1.38	0.74
5,796.0	10.50	92.50	5,361.2	-115.2	2,061.1	2,064.3	2.48	-2.47	0.97
5,890.0	9.50	94.60	5,453.7	-116.2	2,077.4	2,080.6	1.13	-1.06	2.23
5,984.0	8.50	96.30	5,546.6	-117.6	2,092.0	2,095.3	1.10	-1.06	1.81

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Casa Loma 3-25
Project:	SEC.26-T7N-R67W	TVD Reference:	WELL @ 4969.0ft (Original Well Elev)
Site:	Hirsch/Casa Loma 10 Pad Sec.26-T7N-R67W	MD Reference:	WELL @ 4969.0ft (Original Well Elev)
Well:	Casa Loma 3-25	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,077.0	6.90	93.30	5,638.7	-118.6	2,104.4	2,107.8	1.77	-1.72	-3.23
6,171.0	7.00	96.00	5,732.1	-119.6	2,115.8	2,119.1	0.36	0.11	2.87
6,265.0	6.50	98.10	5,825.4	-120.9	2,126.7	2,130.1	0.59	-0.53	2.23
6,358.0	3.80	93.20	5,918.0	-121.8	2,135.0	2,138.5	2.94	-2.90	-5.27
6,441.3	2.55	84.81	6,001.2	-121.8	2,139.6	2,143.1	1.59	-1.50	-10.08
TARGET BHL 658'FNL & 1965'FWL									
6,452.0	2.40	83.10	6,011.9	-121.8	2,140.1	2,143.5	1.59	-1.44	-15.90
6,546.0	1.20	64.90	6,105.8	-121.1	2,142.9	2,146.3	1.40	-1.28	-19.36
6,640.0	0.70	16.50	6,199.8	-120.1	2,144.0	2,147.3	0.96	-0.53	-51.49
6,733.0	1.20	334.70	6,292.8	-118.7	2,143.7	2,147.0	0.89	0.54	-44.95
6,827.0	1.80	319.40	6,386.8	-116.7	2,142.3	2,145.5	0.76	0.64	-16.28
6,921.0	0.90	323.30	6,480.7	-115.0	2,140.9	2,144.0	0.96	-0.96	4.15
7,014.0	0.40	143.80	6,573.7	-114.7	2,140.7	2,143.7	1.40	-0.54	-193.01
7,108.0	0.70	274.40	6,667.7	-114.9	2,140.3	2,143.4	1.07	0.32	138.94
7,202.0	1.70	274.40	6,761.7	-114.7	2,138.3	2,141.4	1.06	1.06	0.00
7,295.0	2.80	280.20	6,854.6	-114.2	2,134.7	2,137.8	1.21	1.18	6.24
7,389.0	2.70	279.10	6,948.5	-113.5	2,130.3	2,133.3	0.12	-0.11	-1.17
7,462.9	2.53	289.31	7,022.3	-112.7	2,127.0	2,130.0	0.67	-0.23	13.82
TARGET CIRCLE 658'FNL & 1965'FWL									
7,463.0	2.53	289.32	7,022.4	-112.7	2,127.0	2,130.0	0.67	-0.17	14.67
LEGAL BOX 400' X 400', 659'FNL & 1963'FWL									
7,483.0	2.50	292.30	7,042.4	-112.4	2,126.2	2,129.1	0.67	-0.15	14.86
7,576.0	2.60	296.50	7,135.3	-110.6	2,122.4	2,125.3	0.23	0.11	4.52
7,670.0	3.50	301.30	7,229.2	-108.2	2,118.1	2,120.8	0.99	0.96	5.11
7,764.0	2.80	301.10	7,323.1	-105.5	2,113.7	2,116.2	0.74	-0.74	-0.21
7,858.0	1.80	328.20	7,417.0	-103.1	2,110.9	2,113.3	1.54	-1.06	28.83
7,925.0	1.10	1.60	7,484.0	-101.5	2,110.4	2,112.7	1.60	-1.04	49.85

Checked By: _____ Approved By: _____ Date: _____