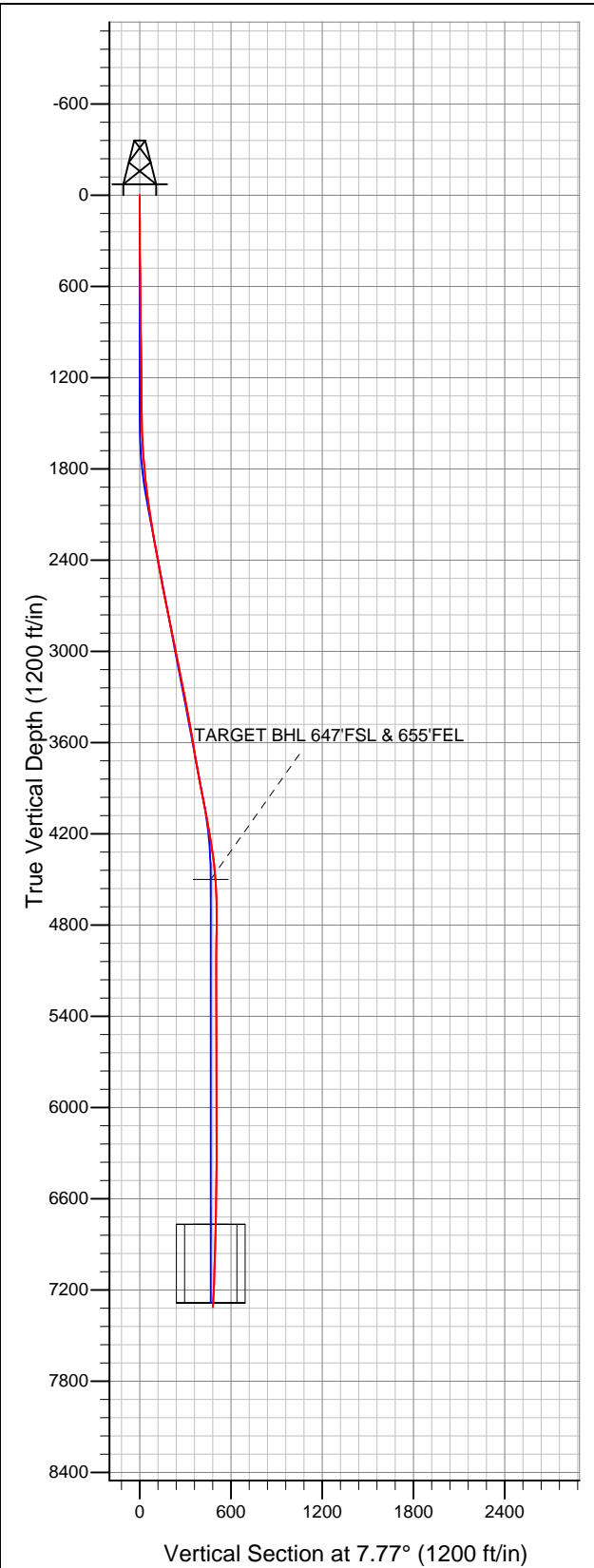


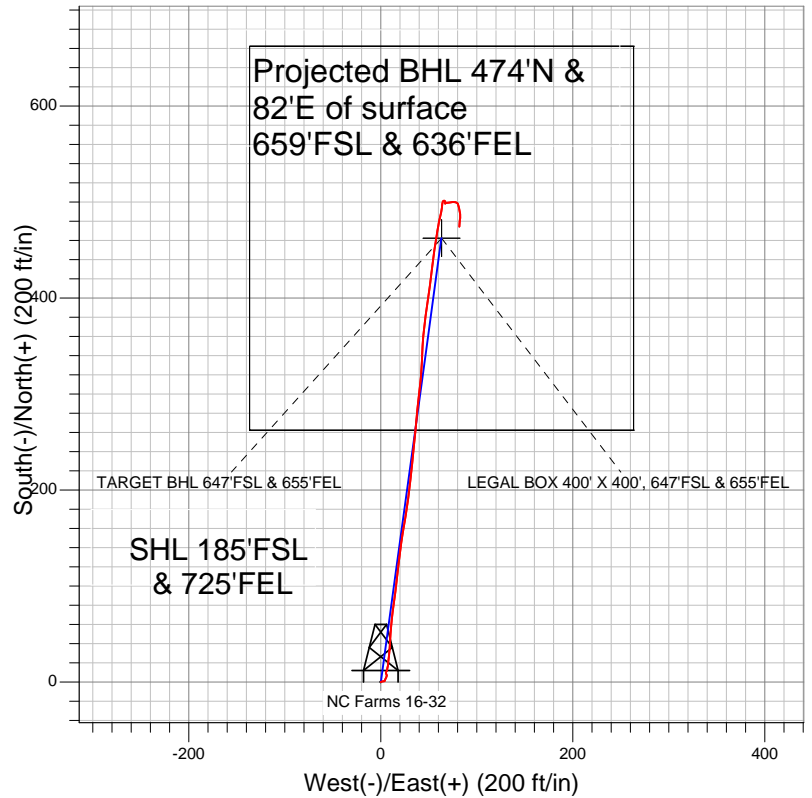
Well Name: NC Farms 16-32

Surface Location: NC Farms 16-32 Pad Sec.32-T7N-R64W
North American Datum 1983 US State Plane 1983Colorado Northern Zone
Ground Elevation: 4805.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1434686.94	3259292.67	40.522873	-104.567294	
Original Well Elev WELL @ 4816.0ft (Original Well Elev)						



BAYSWATER EXPLORATION & PRODUCTION



LEGEND

- Survey #1
- NC Farms 16-32, Wellbore #1, Plan #1 (2-9-12) R V0
- Wellbore #1

Final Survey Plot

Projected Final Survey -
7355'MD & 7312'TVD @ 481'VS
2.90 deg Inc 184.10 deg AZ

Project: SEC.32-T7N-R64W
Site: NC Farms 16-32 Pad Sec.32-T7N-R64W
Well: NC Farms 16-32
Plan: Wellbore #1



BAYSWATER EXPLORATION & PRODUCTION

SEC.32-T7N-R64W

NC Farms 16-32 Pad Sec.32-T7N-R64W

NC Farms 16-32

Wellbore #1

Survey: Survey #1

Standard Survey Report

17 February, 2012

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well NC Farms 16-32
Project:	SEC.32-T7N-R64W	TVD Reference:	WELL @ 4816.0ft (Original Well Elev)
Site:	NC Farms 16-32 Pad Sec.32-T7N-R64W	MD Reference:	WELL @ 4816.0ft (Original Well Elev)
Well:	NC Farms 16-32	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.32-T7N-R64W, Weld County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site		NC Farms 16-32 Pad Sec.32-T7N-R64W			
Site Position:		Northing:	1,434,686.95 ft	Latitude:	40.522873
From:	Lat/Long	Easting:	3,259,292.67 ft	Longitude:	-104.567294
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.60 °

Well	NC Farms 16-32				
Well Position	+N/-S	0.0 ft	Northing:	1,434,686.94 ft	Latitude: 40.522873
	+E/-W	0.0 ft	Easting:	3,259,292.67 ft	Longitude: -104.567294
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level: 4,805.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/9/2012	8.68	67.16	53,148

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	7.77	

Survey Program		Date		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
186.0	7,355.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

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
	186.0	1.10	69.20	186.0	0.6	1.7	0.9	0.59	0.59	0.00
	277.0	0.80	104.30	277.0	0.8	3.1	1.2	0.70	-0.33	38.57
	369.0	0.50	49.90	369.0	0.9	4.0	1.4	0.71	-0.33	-59.13
	460.0	0.50	334.60	460.0	1.5	4.2	2.1	0.67	0.00	-82.75
	552.0	0.50	32.20	552.0	2.2	4.2	2.8	0.52	0.00	62.61
	644.0	0.80	33.50	644.0	3.1	4.8	3.7	0.33	0.33	1.41
	738.0	0.70	14.00	738.0	4.2	5.3	4.9	0.29	-0.11	-20.74
	829.0	0.90	29.90	828.9	5.3	5.8	6.1	0.33	0.22	17.47
	929.0	0.90	8.50	928.9	6.8	6.3	7.6	0.33	0.00	-21.40
	1,022.0	0.90	307.90	1,021.9	8.0	5.8	8.7	0.98	0.00	-65.16
	1,116.0	0.90	2.30	1,115.9	9.2	5.3	9.8	0.88	0.00	57.87

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well NC Farms 16-32
Project:	SEC.32-T7N-R64W	TVD Reference:	WELL @ 4816.0ft (Original Well Elev)
Site:	NC Farms 16-32 Pad Sec.32-T7N-R64W	MD Reference:	WELL @ 4816.0ft (Original Well Elev)
Well:	NC Farms 16-32	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)
1,210.0	0.70	5.00	1,209.9	10.5	5.3	11.1	0.22	-0.21	2.87
1,303.0	0.50	91.50	1,302.9	11.0	5.8	11.7	0.90	-0.22	93.01
1,397.0	0.60	9.40	1,396.9	11.5	6.3	12.2	0.77	0.11	-87.34
1,491.0	0.80	11.90	1,490.9	12.6	6.5	13.4	0.22	0.21	2.66
1,585.0	2.30	11.50	1,584.9	15.1	7.0	15.9	1.60	1.60	-0.43
1,678.0	3.90	4.70	1,677.7	20.1	7.6	20.9	1.76	1.72	-7.31
1,772.0	4.80	7.10	1,771.4	27.2	8.4	28.1	0.98	0.96	2.55
1,866.0	6.00	4.10	1,865.0	36.0	9.2	36.9	1.31	1.28	-3.19
1,960.0	6.80	3.30	1,958.4	46.4	9.9	47.4	0.86	0.85	-0.85
2,053.0	8.30	4.50	2,050.6	58.6	10.7	59.6	1.62	1.61	1.29
2,147.0	9.30	7.30	2,143.5	72.9	12.2	73.9	1.16	1.06	2.98
2,240.0	10.00	7.50	2,235.2	88.4	14.2	89.5	0.75	0.75	0.22
2,334.0	10.20	7.10	2,327.7	104.7	16.3	106.0	0.23	0.21	-0.43
2,428.0	10.20	6.00	2,420.3	121.3	18.2	122.6	0.21	0.00	-1.17
2,521.0	10.70	7.90	2,511.7	138.0	20.3	139.5	0.65	0.54	2.04
2,615.0	10.50	9.30	2,604.1	155.1	22.9	156.8	0.35	-0.21	1.49
2,709.0	11.30	9.20	2,696.4	172.7	25.7	174.6	0.85	0.85	-0.11
2,803.0	11.30	7.30	2,788.6	190.9	28.4	193.0	0.40	0.00	-2.02
2,896.0	11.20	6.50	2,879.8	208.9	30.5	211.1	0.20	-0.11	-0.86
2,990.0	11.60	5.80	2,972.0	227.4	32.5	229.7	0.45	0.43	-0.74
3,084.0	11.50	5.60	3,064.1	246.1	34.4	248.5	0.11	-0.11	-0.21
3,177.0	11.20	5.30	3,155.2	264.3	36.1	266.8	0.33	-0.32	-0.32
3,271.0	11.80	5.60	3,247.3	283.0	37.9	285.5	0.64	0.64	0.32
3,365.0	11.00	7.30	3,339.5	301.4	40.0	304.1	0.92	-0.85	1.81
3,458.0	9.90	4.20	3,430.9	318.2	41.7	320.9	1.33	-1.18	-3.33
3,552.0	9.60	3.30	3,523.6	334.1	42.8	336.8	0.36	-0.32	-0.96
3,646.0	9.50	1.70	3,616.3	349.7	43.4	352.3	0.30	-0.11	-1.70
3,739.0	9.20	7.20	3,708.1	364.7	44.6	367.4	1.01	-0.32	5.91
3,833.0	10.50	7.60	3,800.7	380.7	46.7	383.5	1.38	1.38	0.43
3,927.0	11.20	7.50	3,893.0	398.2	49.0	401.2	0.74	0.74	-0.11
4,020.0	11.00	7.80	3,984.2	416.0	51.4	419.1	0.22	-0.22	0.32
4,114.0	10.60	7.10	4,076.6	433.4	53.7	436.7	0.45	-0.43	-0.74
4,208.0	10.10	8.00	4,169.0	450.2	55.9	453.6	0.56	-0.53	0.96
4,302.0	9.10	9.00	4,261.7	465.7	58.2	469.3	1.08	-1.06	1.06
4,395.0	7.10	11.10	4,353.8	478.6	60.4	482.4	2.17	-2.15	2.26
4,489.0	5.50	13.20	4,447.2	488.7	62.6	492.6	1.72	-1.70	2.23
4,539.6	4.46	8.83	4,497.6	493.0	63.5	497.0	2.19	-2.05	-8.64
TARGET BHL 647'FSL & 655'FEL									
4,583.0	3.60	3.10	4,540.9	496.0	63.8	500.1	2.19	-1.98	-13.20
4,676.0	1.60	24.80	4,633.8	500.1	64.5	504.2	2.36	-2.15	23.33
4,770.0	0.80	82.30	4,727.8	501.4	65.7	505.6	1.44	-0.85	61.17
4,864.0	1.00	151.00	4,821.8	500.7	66.7	505.2	1.09	0.21	73.09
4,957.0	0.70	174.80	4,914.8	499.5	67.2	504.0	0.49	-0.32	25.59
5,051.0	0.40	188.30	5,008.8	498.6	67.2	503.1	0.35	-0.32	14.36
5,145.0	0.10	330.00	5,102.8	498.3	67.1	502.8	0.51	-0.32	150.74
5,238.0	0.10	316.20	5,195.8	498.4	67.0	502.9	0.03	0.00	-14.84
5,332.0	0.10	29.90	5,289.8	498.6	67.0	503.0	0.13	0.00	78.40
5,426.0	0.10	199.70	5,383.8	498.6	67.0	503.0	0.21	0.00	180.64
5,520.0	0.40	55.80	5,477.8	498.7	67.2	503.2	0.52	0.32	-153.09
5,613.0	1.30	76.80	5,570.8	499.1	68.5	503.8	1.01	0.97	22.58
5,707.0	1.20	89.10	5,664.8	499.4	70.6	504.3	0.30	-0.11	13.09
5,801.0	0.90	80.50	5,758.7	499.5	72.3	504.7	0.36	-0.32	-9.15
5,894.0	0.80	77.50	5,851.7	499.8	73.6	505.1	0.12	-0.11	-3.23

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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)
5,988.0	0.80	84.00	5,945.7	500.0	74.9	505.5	0.10	0.00	6.91
6,082.0	0.70	97.60	6,039.7	500.0	76.1	505.7	0.22	-0.11	14.47
6,175.0	0.80	98.30	6,132.7	499.8	77.3	505.7	0.11	0.11	0.75
6,269.0	1.10	116.80	6,226.7	499.3	78.8	505.4	0.45	0.32	19.68
6,363.0	0.40	145.60	6,320.7	498.6	79.8	504.8	0.82	-0.74	30.64
6,456.0	0.50	157.00	6,413.7	498.0	80.1	504.2	0.14	0.11	12.26
6,550.0	0.70	153.30	6,507.7	497.1	80.6	503.4	0.22	0.21	-3.94
6,644.0	0.80	165.50	6,601.7	495.9	81.0	502.3	0.20	0.11	12.98
6,737.0	1.10	175.40	6,694.7	494.4	81.2	500.8	0.37	0.32	10.65
6,811.0	1.49	169.49	6,768.6	492.8	81.4	499.2	0.56	0.53	-7.98
LEGAL BOX 400' X 400', 647'FSL & 655'FEL									
6,831.0	1.60	168.40	6,788.6	492.2	81.5	498.7	0.56	0.54	-5.48
6,925.0	1.80	163.10	6,882.6	489.5	82.2	496.2	0.27	0.21	-5.64
7,019.0	1.70	177.30	6,976.5	486.7	82.7	493.4	0.47	-0.11	15.11
7,112.0	1.40	189.70	7,069.5	484.2	82.6	490.9	0.48	-0.32	13.33
7,206.0	2.20	185.20	7,163.5	481.3	82.2	488.0	0.86	0.85	-4.79
7,300.0	2.90	183.70	7,257.4	477.1	81.9	483.8	0.75	0.74	-1.60
7,355.0	2.90	184.10	7,312.3	474.3	81.7	481.0	0.04	0.00	0.73

Checked By: _____	Approved By: _____	Date: _____
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