

Bayswater Exploration & Production, LLC

Well Name: **Albrighton K-10HC**

Surface Location: Albrighton Pad Sec.10-T6N-R64W

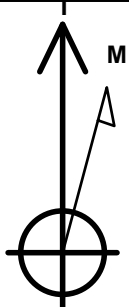
North American Datum 1983, US State Plane 1983, Colorado Northern Zone

Ground Elevation: 4807.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1425197.98	3266633.57	40.496613	-104.541259	
		RKB - 22.5'	WELL @ 4829.5ft (RKB - 22.5')			

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1170'FSL, 1242'FWL	1.0	0.0	0.0	Point
BHL 470'FNL, 2365'FWL	7024.5	3665.8	1167.4	Point
LPL 570'FSL, 2365'FWL	7024.5	-597.1	1114.2	Point



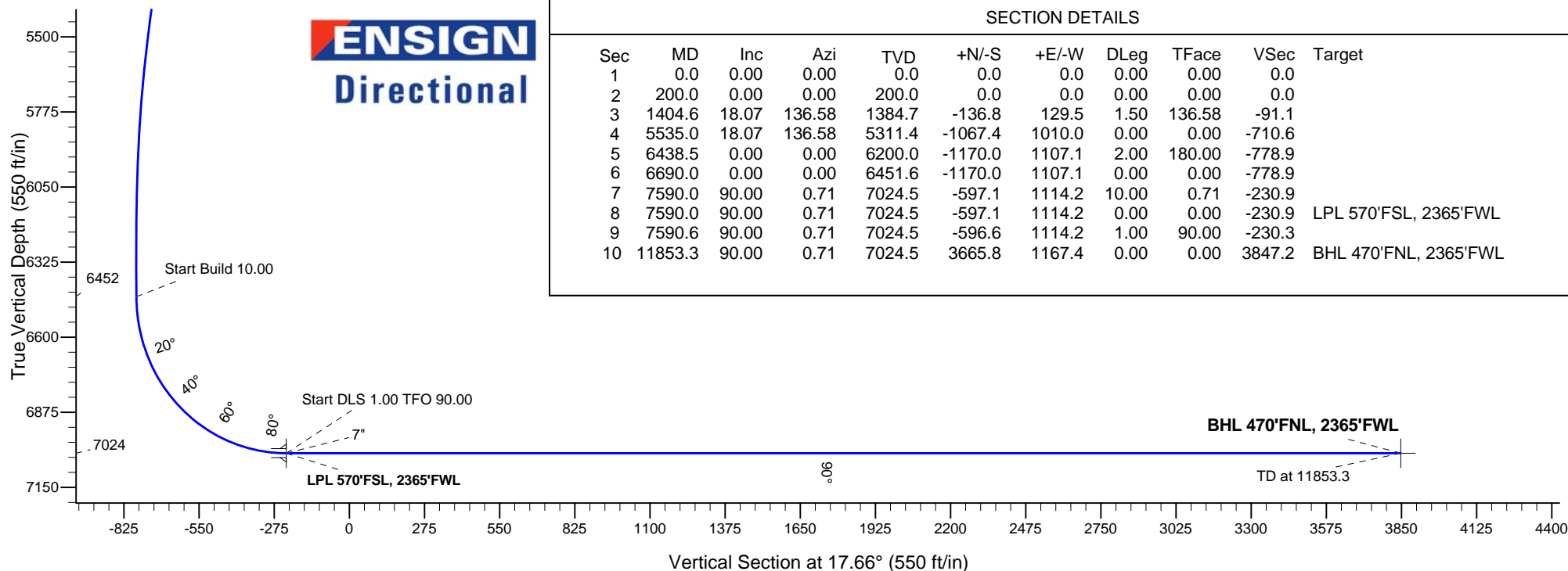
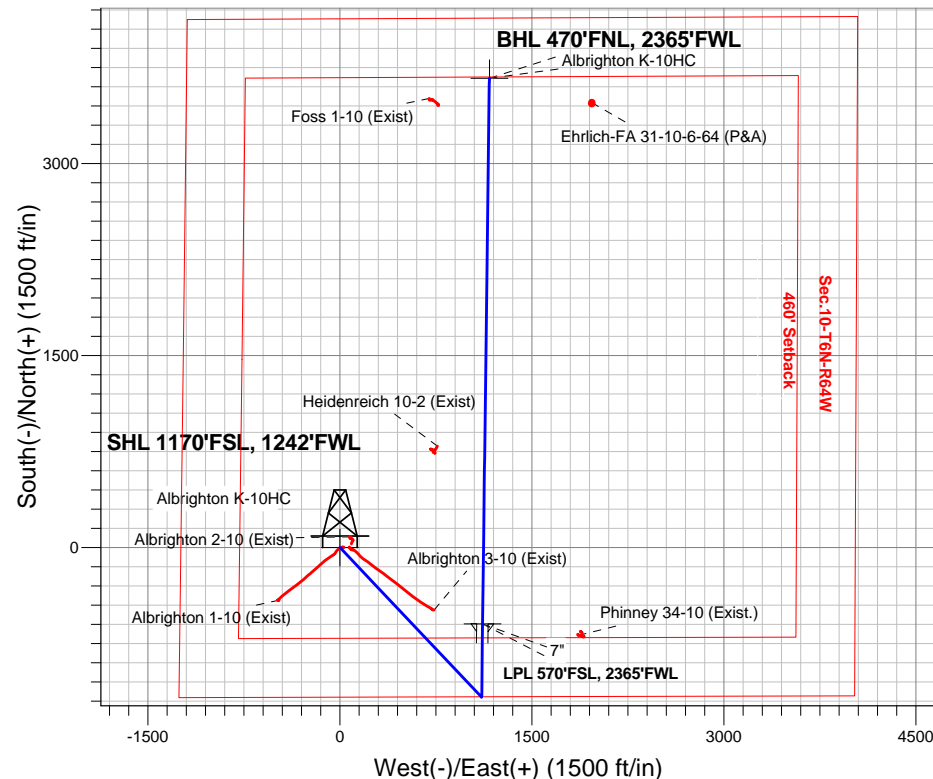
Azimuths to True North
Magnetic North: 8.18°

Magnetic Field
Strength: 52761.1snT
Dip Angle: 67.02°
Date: 8/31/2015
Model: IGRF2010

Albrighton Pad Sec.10-T6N-R64W
Albrighton K-10HC
Plan #2 (8-27-15)
11:37, August 31 2015

ANNOTATIONS

TVD	MD	Annotation
200.0	200.0	KOP - Start Build 1.50
5311.4	5535.0	Start Drop -2.00
6451.6	6690.0	Start Build 10.00
7024.5	7590.0	Start DLS 1.00 TFO 90.00
7024.5	7590.6	Start 4262.7 hold at 7590.6 MD
7024.5	11853.3	TD at 11853.3





Bayswater Exploration & Production, LLC

SEC.10-T6N-R64W

Albrighton Pad Sec.10-T6N-R64W

Albrighton K-10HC

Wellbore #1

Plan: Plan #2 (8-27-15)

Standard Planning Report

31 August, 2015



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	EDMNEW	Local Co-ordinate Reference:	Well Albrighton K-10HC
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4829.5ft (RKB - 22.5')
Project:	SEC.10-T6N-R64W	MD Reference:	WELL @ 4829.5ft (RKB - 22.5')
Site:	Albrighton Pad Sec.10-T6N-R64W	North Reference:	True
Well:	Albrighton K-10HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-27-15)		

Project	SEC.10-T6N-R64W, Weld County, Colorado		
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		Albrighton Pad Sec.10-T6N-R64W				
Site Position:		Northing:	1,425,196.03ft	Latitude:	40.496612	
From:	Lat/Long	Easting:	3,266,483.40ft	Longitude:	-104.541799	
Position Uncertainty:		0.0 ft	Slot Radius:	"	Grid Convergence:	0.62 °

Well	Albrighton K-10HC					
Well Position	+N-S	0.3 ft	Northing:	1,425,197.98 ft	Latitude:	40.496613
	+E-W	150.2 ft	Easting:	3,266,633.57 ft	Longitude:	-104.541259
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,807.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/31/2015	8.18	67.02	52,761

Design	Plan #2 (8-27-15)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	17.66

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,404.6	18.07	136.58	1,384.7	-136.8	129.5	1.50	1.50	0.00	136.58	
5,535.0	18.07	136.58	5,311.4	-1,067.4	1,010.0	0.00	0.00	0.00	0.00	
6,438.5	0.00	0.00	6,200.0	-1,170.0	1,107.1	2.00	-2.00	0.00	180.00	
6,690.0	0.00	0.00	6,451.6	-1,170.0	1,107.1	0.00	0.00	0.00	0.00	
7,590.0	90.00	0.71	7,024.5	-597.1	1,114.2	10.00	10.00	0.00	0.71	
7,590.0	90.00	0.71	7,024.5	-597.1	1,114.2	0.00	0.00	0.00	0.00	LPL 570'FSL, 2365'
7,590.6	90.00	0.71	7,024.5	-596.6	1,114.2	1.00	0.00	1.00	90.00	
11,853.3	90.00	0.71	7,024.5	3,665.8	1,167.4	0.00	0.00	0.00	0.00	BHL 470'FNL, 2365

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Site:	Albrighton Pad Sec.10-T6N-R64W	North Reference:	True
Well:	Albrighton K-10HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-27-15)		

Planned 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
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 1170'FSL, 1242'FWL									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 1.50									
300.0	1.50	136.58	300.0	-1.0	0.9	-0.6	1.50	1.50	0.00
400.0	3.00	136.58	399.9	-3.8	3.6	-2.5	1.50	1.50	0.00
500.0	4.50	136.58	499.7	-8.6	8.1	-5.7	1.50	1.50	0.00
600.0	6.00	136.58	599.3	-15.2	14.4	-10.1	1.50	1.50	0.00
700.0	7.50	136.58	698.6	-23.7	22.5	-15.8	1.50	1.50	0.00
800.0	9.00	136.58	797.5	-34.2	32.3	-22.7	1.50	1.50	0.00
900.0	10.50	136.58	896.1	-46.5	44.0	-30.9	1.50	1.50	0.00
1,000.0	12.00	136.58	994.2	-60.6	57.4	-40.4	1.50	1.50	0.00
1,100.0	13.50	136.58	1,091.7	-76.7	72.5	-51.0	1.50	1.50	0.00
1,200.0	15.00	136.58	1,188.6	-94.5	89.5	-62.9	1.50	1.50	0.00
1,300.0	16.50	136.58	1,284.9	-114.3	108.1	-76.1	1.50	1.50	0.00
1,400.0	18.00	136.58	1,380.4	-135.8	128.5	-90.4	1.50	1.50	0.00
1,404.6	18.07	136.58	1,384.7	-136.8	129.5	-91.1	1.50	1.50	0.00
1,500.0	18.07	136.58	1,475.4	-158.3	149.8	-105.4	0.00	0.00	0.00
1,600.0	18.07	136.58	1,570.5	-180.8	171.1	-120.4	0.00	0.00	0.00
1,700.0	18.07	136.58	1,665.6	-203.4	192.4	-135.4	0.00	0.00	0.00
1,800.0	18.07	136.58	1,760.6	-225.9	213.8	-150.4	0.00	0.00	0.00
1,900.0	18.07	136.58	1,855.7	-248.4	235.1	-165.4	0.00	0.00	0.00
2,000.0	18.07	136.58	1,950.8	-271.0	256.4	-180.4	0.00	0.00	0.00
2,100.0	18.07	136.58	2,045.8	-293.5	277.7	-195.4	0.00	0.00	0.00
2,200.0	18.07	136.58	2,140.9	-316.0	299.0	-210.4	0.00	0.00	0.00
2,300.0	18.07	136.58	2,236.0	-338.6	320.4	-225.4	0.00	0.00	0.00
2,400.0	18.07	136.58	2,331.0	-361.1	341.7	-240.4	0.00	0.00	0.00
2,500.0	18.07	136.58	2,426.1	-383.6	363.0	-255.4	0.00	0.00	0.00
2,600.0	18.07	136.58	2,521.2	-406.1	384.3	-270.4	0.00	0.00	0.00
2,700.0	18.07	136.58	2,616.2	-428.7	405.6	-285.4	0.00	0.00	0.00
2,800.0	18.07	136.58	2,711.3	-451.2	426.9	-300.4	0.00	0.00	0.00
2,900.0	18.07	136.58	2,806.4	-473.7	448.3	-315.4	0.00	0.00	0.00
3,000.0	18.07	136.58	2,901.5	-496.3	469.6	-330.4	0.00	0.00	0.00
3,100.0	18.07	136.58	2,996.5	-518.8	490.9	-345.4	0.00	0.00	0.00
3,200.0	18.07	136.58	3,091.6	-541.3	512.2	-360.4	0.00	0.00	0.00
3,300.0	18.07	136.58	3,186.7	-563.8	533.5	-375.4	0.00	0.00	0.00
3,400.0	18.07	136.58	3,281.7	-586.4	554.9	-390.4	0.00	0.00	0.00
3,500.0	18.07	136.58	3,376.8	-608.9	576.2	-405.4	0.00	0.00	0.00
3,600.0	18.07	136.58	3,471.9	-631.4	597.5	-420.4	0.00	0.00	0.00
3,700.0	18.07	136.58	3,566.9	-654.0	618.8	-435.4	0.00	0.00	0.00
3,800.0	18.07	136.58	3,662.0	-676.5	640.1	-450.4	0.00	0.00	0.00
3,900.0	18.07	136.58	3,757.1	-699.0	661.4	-465.4	0.00	0.00	0.00
4,000.0	18.07	136.58	3,852.1	-721.6	682.8	-480.4	0.00	0.00	0.00
4,100.0	18.07	136.58	3,947.2	-744.1	704.1	-495.4	0.00	0.00	0.00
4,200.0	18.07	136.58	4,042.3	-766.6	725.4	-510.4	0.00	0.00	0.00
4,300.0	18.07	136.58	4,137.3	-789.1	746.7	-525.4	0.00	0.00	0.00
4,400.0	18.07	136.58	4,232.4	-811.7	768.0	-540.4	0.00	0.00	0.00
4,500.0	18.07	136.58	4,327.5	-834.2	789.4	-555.3	0.00	0.00	0.00
4,600.0	18.07	136.58	4,422.5	-856.7	810.7	-570.3	0.00	0.00	0.00
4,700.0	18.07	136.58	4,517.6	-879.3	832.0	-585.3	0.00	0.00	0.00
4,800.0	18.07	136.58	4,612.7	-901.8	853.3	-600.3	0.00	0.00	0.00
4,900.0	18.07	136.58	4,707.7	-924.3	874.6	-615.3	0.00	0.00	0.00

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Site:	Albrighton Pad Sec.10-T6N-R64W	North Reference:	True
Well:	Albrighton K-10HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-27-15)		

Planned 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)
5,000.0	18.07	136.58	4,802.8	-946.8	895.9	-630.3	0.00	0.00	0.00
5,100.0	18.07	136.58	4,897.9	-969.4	917.3	-645.3	0.00	0.00	0.00
5,200.0	18.07	136.58	4,993.0	-991.9	938.6	-660.3	0.00	0.00	0.00
5,300.0	18.07	136.58	5,088.0	-1,014.4	959.9	-675.3	0.00	0.00	0.00
5,400.0	18.07	136.58	5,183.1	-1,037.0	981.2	-690.3	0.00	0.00	0.00
5,500.0	18.07	136.58	5,278.2	-1,059.5	1,002.5	-705.3	0.00	0.00	0.00
5,535.0	18.07	136.58	5,311.4	-1,067.4	1,010.0	-710.6	0.00	0.00	0.00
Start Drop -2.00									
5,600.0	16.77	136.58	5,373.4	-1,081.5	1,023.4	-720.0	2.00	-2.00	0.00
5,700.0	14.77	136.58	5,469.7	-1,101.2	1,042.0	-733.1	2.00	-2.00	0.00
5,800.0	12.77	136.58	5,566.8	-1,118.5	1,058.4	-744.6	2.00	-2.00	0.00
5,900.0	10.77	136.58	5,664.7	-1,133.4	1,072.4	-754.5	2.00	-2.00	0.00
6,000.0	8.77	136.58	5,763.2	-1,145.7	1,084.1	-762.7	2.00	-2.00	0.00
6,100.0	6.77	136.58	5,862.3	-1,155.5	1,093.4	-769.2	2.00	-2.00	0.00
6,200.0	4.77	136.58	5,961.8	-1,162.8	1,100.3	-774.1	2.00	-2.00	0.00
6,300.0	2.77	136.58	6,061.6	-1,167.6	1,104.8	-777.3	2.00	-2.00	0.00
6,400.0	0.77	136.58	6,161.5	-1,169.8	1,106.9	-778.8	2.00	-2.00	0.00
6,438.5	0.00	0.00	6,200.0	-1,170.0	1,107.1	-778.9	2.00	-2.00	0.00
6,500.0	0.00	0.00	6,261.5	-1,170.0	1,107.1	-778.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,361.5	-1,170.0	1,107.1	-778.9	0.00	0.00	0.00
6,690.0	0.00	0.00	6,451.5	-1,170.0	1,107.1	-778.9	0.00	0.00	0.00
Start Build 10.00									
6,700.0	1.00	0.71	6,461.5	-1,169.9	1,107.1	-778.8	9.97	9.97	0.00
6,800.0	11.00	0.71	6,560.9	-1,159.5	1,107.2	-768.8	10.00	10.00	0.00
6,900.0	21.00	0.71	6,656.9	-1,132.0	1,107.6	-742.5	10.00	10.00	0.00
7,000.0	31.00	0.71	6,746.6	-1,088.2	1,108.1	-700.6	10.00	10.00	0.00
7,100.0	41.00	0.71	6,827.4	-1,029.5	1,108.8	-644.5	10.00	10.00	0.00
7,200.0	51.00	0.71	6,896.8	-957.7	1,109.7	-575.8	10.00	10.00	0.00
7,300.0	61.00	0.71	6,952.7	-874.9	1,110.8	-496.6	10.00	10.00	0.00
7,400.0	71.00	0.71	6,993.3	-783.6	1,111.9	-409.3	10.00	10.00	0.00
7,500.0	81.00	0.71	7,017.4	-686.7	1,113.1	-316.6	10.00	10.00	0.00
7,590.0	90.00	0.71	7,024.5	-597.1	1,114.2	-230.9	10.00	10.00	0.00
Start DLS 1.00 TFO 90.00 - 7" - LPL 570'FSL, 2365'FWL									
7,590.6	90.00	0.71	7,024.5	-596.5	1,114.2	-230.3	0.93	0.00	0.93
Start 4262.7 hold at 7590.6 MD									
7,600.0	90.00	0.71	7,024.5	-587.1	1,114.3	-221.3	0.00	0.00	0.00
7,700.0	90.00	0.71	7,024.5	-487.1	1,115.6	-125.6	0.00	0.00	0.00
7,800.0	90.00	0.71	7,024.5	-387.1	1,116.8	-30.0	0.00	0.00	0.00
7,900.0	90.00	0.71	7,024.5	-287.1	1,118.1	65.7	0.00	0.00	0.00
8,000.0	90.00	0.71	7,024.5	-187.1	1,119.3	161.3	0.00	0.00	0.00
8,100.0	90.00	0.71	7,024.5	-87.1	1,120.6	257.0	0.00	0.00	0.00
8,200.0	90.00	0.71	7,024.5	12.8	1,121.8	352.6	0.00	0.00	0.00
8,300.0	90.00	0.71	7,024.5	112.8	1,123.1	448.3	0.00	0.00	0.00
8,400.0	90.00	0.71	7,024.5	212.8	1,124.3	543.9	0.00	0.00	0.00
8,500.0	90.00	0.71	7,024.5	312.8	1,125.5	639.6	0.00	0.00	0.00
8,600.0	90.00	0.71	7,024.5	412.8	1,126.8	735.3	0.00	0.00	0.00
8,700.0	90.00	0.71	7,024.5	512.8	1,128.0	830.9	0.00	0.00	0.00
8,800.0	90.00	0.71	7,024.5	612.8	1,129.3	926.6	0.00	0.00	0.00
8,900.0	90.00	0.71	7,024.5	712.8	1,130.5	1,022.2	0.00	0.00	0.00
9,000.0	90.00	0.71	7,024.5	812.8	1,131.8	1,117.9	0.00	0.00	0.00
9,100.0	90.00	0.71	7,024.5	912.8	1,133.0	1,213.5	0.00	0.00	0.00
9,200.0	90.00	0.71	7,024.5	1,012.8	1,134.3	1,309.2	0.00	0.00	0.00
9,300.0	90.00	0.71	7,024.5	1,112.8	1,135.5	1,404.9	0.00	0.00	0.00

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Site:	Albrighton Pad Sec.10-T6N-R64W	North Reference:	True
Well:	Albrighton K-10HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-27-15)		

Planned 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)	
9,400.0	90.00	0.71	7,024.5	1,212.8	1,136.8	1,500.5	0.00	0.00	0.00	
9,500.0	90.00	0.71	7,024.5	1,312.7	1,138.0	1,596.2	0.00	0.00	0.00	
9,600.0	90.00	0.71	7,024.5	1,412.7	1,139.3	1,691.8	0.00	0.00	0.00	
9,700.0	90.00	0.71	7,024.5	1,512.7	1,140.5	1,787.5	0.00	0.00	0.00	
9,800.0	90.00	0.71	7,024.5	1,612.7	1,141.8	1,883.1	0.00	0.00	0.00	
9,900.0	90.00	0.71	7,024.5	1,712.7	1,143.0	1,978.8	0.00	0.00	0.00	
10,000.0	90.00	0.71	7,024.5	1,812.7	1,144.3	2,074.5	0.00	0.00	0.00	
10,100.0	90.00	0.71	7,024.5	1,912.7	1,145.5	2,170.1	0.00	0.00	0.00	
10,200.0	90.00	0.71	7,024.5	2,012.7	1,146.8	2,265.8	0.00	0.00	0.00	
10,300.0	90.00	0.71	7,024.5	2,112.7	1,148.0	2,361.4	0.00	0.00	0.00	
10,400.0	90.00	0.71	7,024.5	2,212.7	1,149.3	2,457.1	0.00	0.00	0.00	
10,500.0	90.00	0.71	7,024.5	2,312.7	1,150.5	2,552.7	0.00	0.00	0.00	
10,600.0	90.00	0.71	7,024.5	2,412.7	1,151.8	2,648.4	0.00	0.00	0.00	
10,700.0	90.00	0.71	7,024.5	2,512.6	1,153.0	2,744.0	0.00	0.00	0.00	
10,800.0	90.00	0.71	7,024.5	2,612.6	1,154.2	2,839.7	0.00	0.00	0.00	
10,900.0	90.00	0.71	7,024.5	2,712.6	1,155.5	2,935.4	0.00	0.00	0.00	
11,000.0	90.00	0.71	7,024.5	2,812.6	1,156.7	3,031.0	0.00	0.00	0.00	
11,100.0	90.00	0.71	7,024.5	2,912.6	1,158.0	3,126.7	0.00	0.00	0.00	
11,200.0	90.00	0.71	7,024.5	3,012.6	1,159.2	3,222.3	0.00	0.00	0.00	
11,300.0	90.00	0.71	7,024.5	3,112.6	1,160.5	3,318.0	0.00	0.00	0.00	
11,400.0	90.00	0.71	7,024.5	3,212.6	1,161.7	3,413.6	0.00	0.00	0.00	
11,500.0	90.00	0.71	7,024.5	3,312.6	1,163.0	3,509.3	0.00	0.00	0.00	
11,600.0	90.00	0.71	7,024.5	3,412.6	1,164.2	3,605.0	0.00	0.00	0.00	
11,700.0	90.00	0.71	7,024.5	3,512.6	1,165.5	3,700.6	0.00	0.00	0.00	
11,800.0	90.00	0.71	7,024.5	3,612.6	1,166.7	3,796.3	0.00	0.00	0.00	
11,853.3	90.00	0.71	7,024.5	3,665.8	1,167.4	3,847.2	0.00	0.00	0.00	
BHL 470'FNL, 2365'FWL										

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude		Longitude
LPL 570'FSL, 2365'Fv - hit/miss target - Shape - Point	0.00	0.00	7,024.5	-597.1	1,114.2	1,424,612.98	3,267,754.11	40.494974		-104.537253
BHL 470'FNL, 2365'F' - plan hits target center - Point	0.00	0.00	7,024.5	3,665.8	1,167.4	1,428,876.09	3,267,761.21	40.506675		-104.537061
SHL 1170'FSL, 1242'f - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,425,198.01	3,266,633.57	40.496613		-104.541259

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name			Casing Diameter (")	Hole Diameter (")
7,590.0	7,024.5	7"			7	7-1/2

Database:	EDMNEW	Local Co-ordinate Reference:	Well Albrighton K-10HC
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4829.5ft (RKB - 22.5')
Project:	SEC.10-T6N-R64W	MD Reference:	WELL @ 4829.5ft (RKB - 22.5')
Site:	Albrighton Pad Sec.10-T6N-R64W	North Reference:	True
Well:	Albrighton K-10HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-27-15)		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP - Start Build 1.50
5,535.0	5,311.4	-136.8	129.5	Start Drop -2.00
6,690.0	6,451.6	-1,067.4	1,010.0	Start Build 10.00
7,590.0	7,024.5	-1,170.0	1,107.1	Start DLS 1.00 TFO 90.00
7,590.6	7,024.5	-1,170.0	1,107.1	Start 4262.7 hold at 7590.6 MD
11,853.3	7,024.5	-597.1	1,114.2	TD at 11853.3