

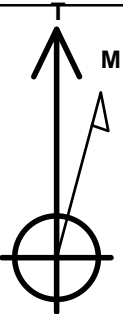
Bayswater Exploration & Production, LLC

Well Name: Hester Farms D-36HN

Surface Location: Hester Farms Pad Sec.31-7N-66W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 4914.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1437894.34 3185849.13 40.533497 -104.831380
RKB - 25' WELL @ 4939.0ft (RKB - 25')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1634'FNL, 202'FWL, SEC.31	1.0	0.0	0.0	Point
BHL 820'FNL, 470'FWL, SEC.36	7264.0	785.6	-4980.2	Point
LPL 820'FNL, 470'FEL, SEC.36	7369.0	809.9	-664.9	Point

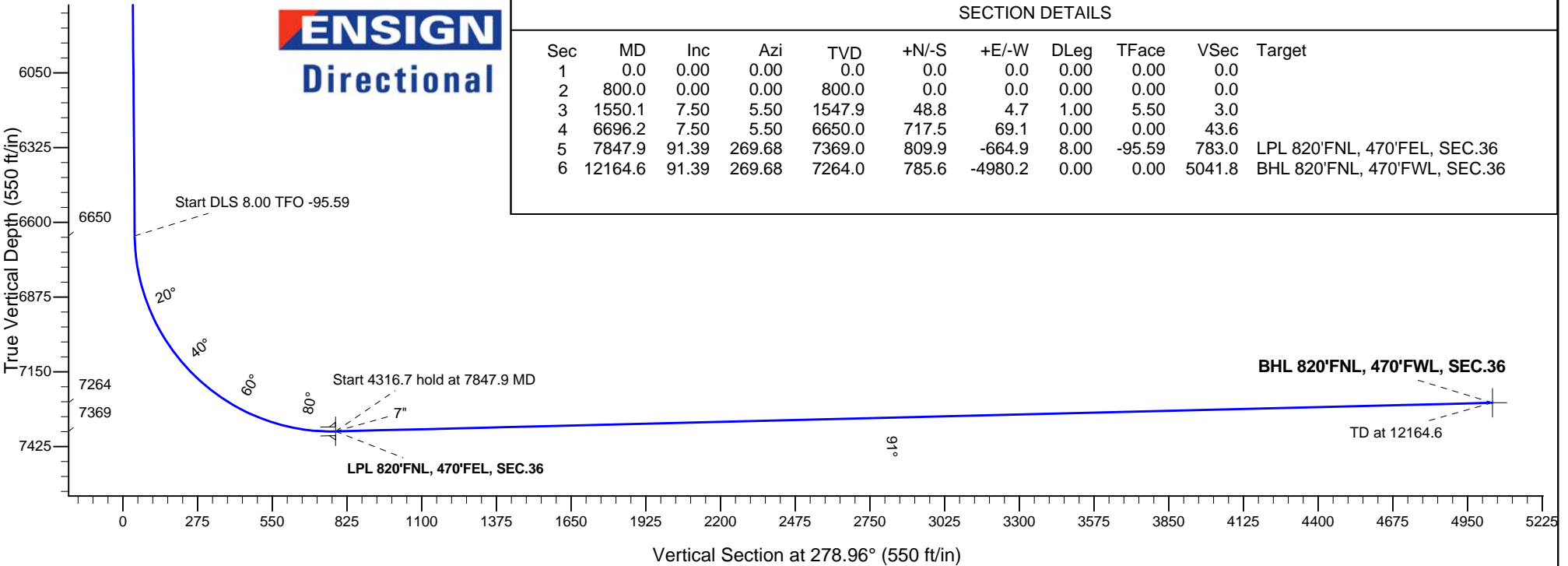
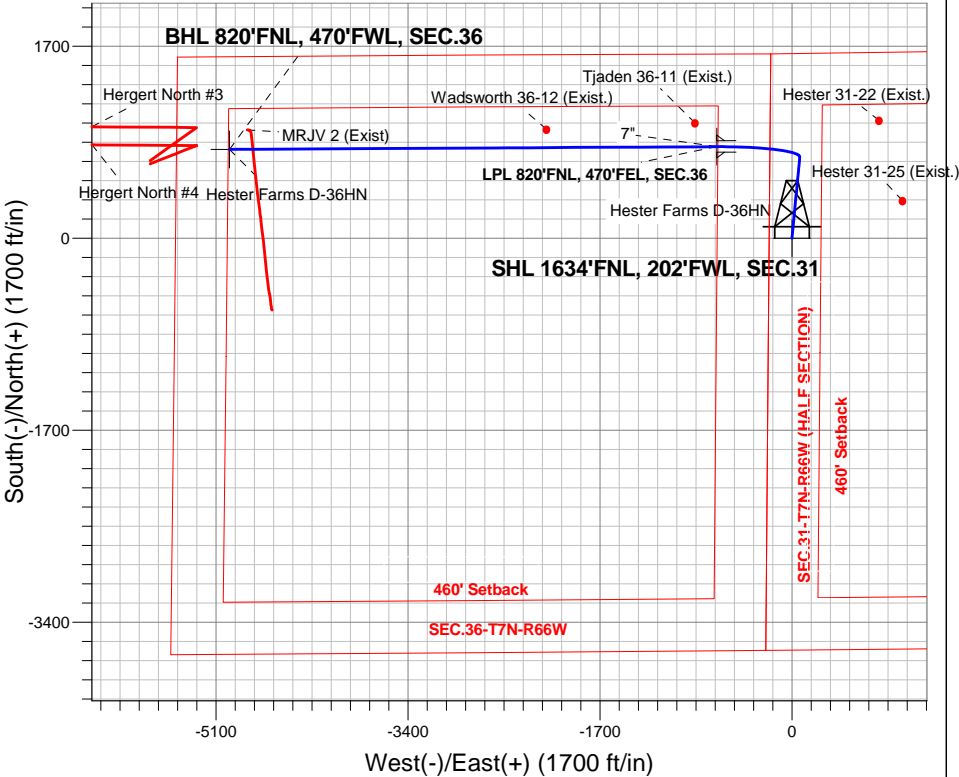


Azimuths to True North
Magnetic North: 8.38°
Magnetic Field
Strength: 52779.6snT
Dip Angle: 67.01°
Date: 5/19/2015
Model: IGRF2010

Hester Farms Pad Sec.31-7N-66W
Hester Farms D-36HN
Plan #1 (5-06-15)
11:38, May 19 2015

ANNOTATIONS

TVD	MD	Annotation
800.0	800.0	KOP - Start Build 1.00
1547.9	1550.1	Start 5146.1 hold at 1550.1 MD
6650.0	6696.2	Start DLS 8.00 TFO -95.59
7369.0	7847.9	Start 4316.7 hold at 7847.9 MD
7264.0	12164.6	TD at 12164.6





Bayswater Exploration & Production, LLC

SEC.31-T7N-R66W

Hester Farms Pad Sec.31-7N-66W

Hester Farms D-36HN

Wellbore #1

Plan: Plan #1 (5-06-15)

Standard Planning Report

19 May, 2015



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	Landmark	Local Co-ordinate Reference:	Well Hester Farms D-36HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4939.0ft (RKB - 25')
Project:	SEC.31-T7N-R66W	MD Reference:	WELL @ 4939.0ft (RKB - 25')
Site:	Hester Farms Pad Sec.31-7N-66W	North Reference:	True
Well:	Hester Farms D-36HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (5-06-15)		

Project	SEC.31-T7N-R66W, 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						Hester Farms Pad Sec.31-7N-66W											
Site Position:						Northing:			1,437,939.53ft			Latitude:			40.533621		
From:			Lat/Long			Easting:			3,185,849.35ft			Longitude:			-104.831378		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.43 °		

Well	Hester Farms D-36HN					
Well Position	+N/-S	-45.2 ft	Northing:	1,437,894.34 ft	Latitude:	40.533497
	+E/-W	-0.6 ft	Easting:	3,185,849.13 ft	Longitude:	-104.831380
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,914.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/19/2015	8.38	67.01	52,780

Design	Plan #1 (5-06-15)			
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	278.96

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	
800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,550.1	7.50	5.50	1,547.9	48.8	4.7	1.00	1.00	0.00	5.50	
6,696.2	7.50	5.50	6,650.0	717.5	69.1	0.00	0.00	0.00	0.00	
7,847.9	91.39	269.68	7,369.0	809.9	-664.9	8.00	7.28	-8.32	-95.59	LPL 820'FNL, 470°F
12,164.6	91.39	269.68	7,264.0	785.6	-4,980.2	0.00	0.00	0.00	0.00	BHL 820'FNL, 470°F

Database:	Landmark	Local Co-ordinate Reference:	Well Hester Farms D-36HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4939.0ft (RKB - 25')
Project:	SEC.31-T7N-R66W	MD Reference:	WELL @ 4939.0ft (RKB - 25')
Site:	Hester Farms Pad Sec.31-7N-66W	North Reference:	True
Well:	Hester Farms D-36HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (5-06-15)		

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
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
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 1.00									
900.0	1.00	5.50	900.0	0.9	0.1	0.1	1.00	1.00	0.00
1,000.0	2.00	5.50	1,000.0	3.5	0.3	0.2	1.00	1.00	0.00
1,100.0	3.00	5.50	1,099.9	7.8	0.8	0.5	1.00	1.00	0.00
1,200.0	4.00	5.50	1,199.7	13.9	1.3	0.8	1.00	1.00	0.00
1,300.0	5.00	5.50	1,299.4	21.7	2.1	1.3	1.00	1.00	0.00
1,400.0	6.00	5.50	1,398.9	31.2	3.0	1.9	1.00	1.00	0.00
1,500.0	7.00	5.50	1,498.3	42.5	4.1	2.6	1.00	1.00	0.00
1,550.1	7.50	5.50	1,547.9	48.8	4.7	3.0	1.00	1.00	0.00
Start 5146.1 hold at 1550.1 MD									
1,600.0	7.50	5.50	1,597.4	55.3	5.3	3.4	0.00	0.00	0.00
1,700.0	7.50	5.50	1,696.6	68.3	6.6	4.1	0.00	0.00	0.00
1,800.0	7.50	5.50	1,795.7	81.3	7.8	4.9	0.00	0.00	0.00
1,900.0	7.50	5.50	1,894.9	94.3	9.1	5.7	0.00	0.00	0.00
2,000.0	7.50	5.50	1,994.0	107.3	10.3	6.5	0.00	0.00	0.00
2,100.0	7.50	5.50	2,093.2	120.3	11.6	7.3	0.00	0.00	0.00
2,200.0	7.50	5.50	2,192.3	133.3	12.8	8.1	0.00	0.00	0.00
2,300.0	7.50	5.50	2,291.4	146.2	14.1	8.9	0.00	0.00	0.00
2,400.0	7.50	5.50	2,390.6	159.2	15.3	9.7	0.00	0.00	0.00
2,500.0	7.50	5.50	2,489.7	172.2	16.6	10.5	0.00	0.00	0.00
2,600.0	7.50	5.50	2,588.9	185.2	17.8	11.3	0.00	0.00	0.00
2,700.0	7.50	5.50	2,688.0	198.2	19.1	12.0	0.00	0.00	0.00
2,800.0	7.50	5.50	2,787.2	211.2	20.3	12.8	0.00	0.00	0.00
2,900.0	7.50	5.50	2,886.3	224.2	21.6	13.6	0.00	0.00	0.00
3,000.0	7.50	5.50	2,985.5	237.2	22.8	14.4	0.00	0.00	0.00
3,100.0	7.50	5.50	3,084.6	250.2	24.1	15.2	0.00	0.00	0.00
3,200.0	7.50	5.50	3,183.7	263.2	25.3	16.0	0.00	0.00	0.00
3,300.0	7.50	5.50	3,282.9	276.2	26.6	16.8	0.00	0.00	0.00
3,400.0	7.50	5.50	3,382.0	289.2	27.8	17.6	0.00	0.00	0.00
3,500.0	7.50	5.50	3,481.2	302.2	29.1	18.4	0.00	0.00	0.00
3,600.0	7.50	5.50	3,580.3	315.2	30.3	19.1	0.00	0.00	0.00
3,700.0	7.50	5.50	3,679.5	328.2	31.6	19.9	0.00	0.00	0.00
3,800.0	7.50	5.50	3,778.6	341.2	32.8	20.7	0.00	0.00	0.00
3,900.0	7.50	5.50	3,877.8	354.2	34.1	21.5	0.00	0.00	0.00
4,000.0	7.50	5.50	3,976.9	367.1	35.3	22.3	0.00	0.00	0.00
4,100.0	7.50	5.50	4,076.0	380.1	36.6	23.1	0.00	0.00	0.00
4,200.0	7.50	5.50	4,175.2	393.1	37.8	23.9	0.00	0.00	0.00
4,300.0	7.50	5.50	4,274.3	406.1	39.1	24.7	0.00	0.00	0.00
4,400.0	7.50	5.50	4,373.5	419.1	40.3	25.5	0.00	0.00	0.00
4,500.0	7.50	5.50	4,472.6	432.1	41.6	26.3	0.00	0.00	0.00
4,600.0	7.50	5.50	4,571.8	445.1	42.8	27.0	0.00	0.00	0.00
4,700.0	7.50	5.50	4,670.9	458.1	44.1	27.8	0.00	0.00	0.00
4,800.0	7.50	5.50	4,770.0	471.1	45.3	28.6	0.00	0.00	0.00
4,900.0	7.50	5.50	4,869.2	484.1	46.6	29.4	0.00	0.00	0.00
5,000.0	7.50	5.50	4,968.3	497.1	47.8	30.2	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Hester Farms D-36HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4939.0ft (RKB - 25')
Project:	SEC.31-T7N-R66W	MD Reference:	WELL @ 4939.0ft (RKB - 25')
Site:	Hester Farms Pad Sec.31-7N-66W	North Reference:	True
Well:	Hester Farms D-36HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (5-06-15)		

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)
5,100.0	7.50	5.50	5,067.5	510.1	49.1	31.0	0.00	0.00	0.00
5,200.0	7.50	5.50	5,166.6	523.1	50.3	31.8	0.00	0.00	0.00
5,300.0	7.50	5.50	5,265.8	536.1	51.6	32.6	0.00	0.00	0.00
5,400.0	7.50	5.50	5,364.9	549.1	52.8	33.4	0.00	0.00	0.00
5,500.0	7.50	5.50	5,464.1	562.1	54.1	34.1	0.00	0.00	0.00
5,600.0	7.50	5.50	5,563.2	575.0	55.3	34.9	0.00	0.00	0.00
5,700.0	7.50	5.50	5,662.3	588.0	56.6	35.7	0.00	0.00	0.00
5,800.0	7.50	5.50	5,761.5	601.0	57.8	36.5	0.00	0.00	0.00
5,900.0	7.50	5.50	5,860.6	614.0	59.1	37.3	0.00	0.00	0.00
6,000.0	7.50	5.50	5,959.8	627.0	60.3	38.1	0.00	0.00	0.00
6,100.0	7.50	5.50	6,058.9	640.0	61.6	38.9	0.00	0.00	0.00
6,200.0	7.50	5.50	6,158.1	653.0	62.8	39.7	0.00	0.00	0.00
6,300.0	7.50	5.50	6,257.2	666.0	64.1	40.5	0.00	0.00	0.00
6,400.0	7.50	5.50	6,356.4	679.0	65.3	41.3	0.00	0.00	0.00
6,500.0	7.50	5.50	6,455.5	692.0	66.6	42.0	0.00	0.00	0.00
6,600.0	7.50	5.50	6,554.6	705.0	67.8	42.8	0.00	0.00	0.00
6,696.2	7.50	5.50	6,650.0	717.5	69.1	43.6	0.00	0.00	0.00
Start DLS 8.00 TFO -95.59									
6,700.0	7.48	3.14	6,653.8	718.0	69.1	43.6	8.00	-0.62	-61.20
6,800.0	10.62	314.20	6,752.7	730.9	62.8	51.8	8.00	3.14	-48.94
6,900.0	17.23	294.85	6,849.7	743.6	42.8	73.6	8.00	6.61	-19.35
7,000.0	24.66	286.44	6,943.1	755.7	9.3	108.6	8.00	7.43	-8.41
7,100.0	32.35	281.80	7,030.9	767.1	-37.0	156.1	8.00	7.69	-4.64
7,200.0	40.16	278.79	7,111.5	777.6	-95.2	215.2	8.00	7.80	-3.00
7,300.0	48.02	276.63	7,183.3	786.8	-164.1	284.7	8.00	7.86	-2.16
7,400.0	55.90	274.95	7,244.8	794.7	-242.4	363.2	8.00	7.89	-1.68
7,500.0	63.81	273.55	7,295.0	801.0	-328.5	449.3	8.00	7.91	-1.39
7,600.0	71.73	272.34	7,332.8	805.8	-420.9	541.3	8.00	7.92	-1.22
7,700.0	79.66	271.23	7,357.5	808.8	-517.7	637.4	8.00	7.93	-1.11
7,800.0	87.59	270.18	7,368.6	810.0	-617.0	735.7	8.00	7.93	-1.05
7,847.9	91.39	269.68	7,369.0	809.9	-664.9	783.0	8.00	7.93	-1.04
Start 4316.7 hold at 7847.9 MD - 7"									
7,900.0	91.39	269.68	7,367.7	809.6	-717.0	834.4	0.00	0.00	0.00
8,000.0	91.39	269.68	7,365.3	809.1	-816.9	933.0	0.00	0.00	0.00
8,100.0	91.39	269.68	7,362.9	808.5	-916.9	1,031.7	0.00	0.00	0.00
8,200.0	91.39	269.68	7,360.4	807.9	-1,016.9	1,130.3	0.00	0.00	0.00
8,300.0	91.39	269.68	7,358.0	807.4	-1,116.8	1,229.0	0.00	0.00	0.00
8,400.0	91.39	269.68	7,355.6	806.8	-1,216.8	1,327.7	0.00	0.00	0.00
8,500.0	91.39	269.68	7,353.1	806.2	-1,316.8	1,426.3	0.00	0.00	0.00
8,600.0	91.39	269.68	7,350.7	805.7	-1,416.7	1,525.0	0.00	0.00	0.00
8,700.0	91.39	269.68	7,348.3	805.1	-1,516.7	1,623.6	0.00	0.00	0.00
8,800.0	91.39	269.68	7,345.8	804.6	-1,616.7	1,722.3	0.00	0.00	0.00
8,900.0	91.39	269.68	7,343.4	804.0	-1,716.6	1,821.0	0.00	0.00	0.00
9,000.0	91.39	269.68	7,341.0	803.4	-1,816.6	1,919.6	0.00	0.00	0.00
9,100.0	91.39	269.68	7,338.5	802.9	-1,916.6	2,018.3	0.00	0.00	0.00
9,200.0	91.39	269.68	7,336.1	802.3	-2,016.6	2,116.9	0.00	0.00	0.00
9,300.0	91.39	269.68	7,333.7	801.7	-2,116.5	2,215.6	0.00	0.00	0.00
9,400.0	91.39	269.68	7,331.2	801.2	-2,216.5	2,314.3	0.00	0.00	0.00
9,500.0	91.39	269.68	7,328.8	800.6	-2,316.5	2,412.9	0.00	0.00	0.00
9,600.0	91.39	269.68	7,326.4	800.1	-2,416.4	2,511.6	0.00	0.00	0.00
9,700.0	91.39	269.68	7,323.9	799.5	-2,516.4	2,610.2	0.00	0.00	0.00
9,800.0	91.39	269.68	7,321.5	798.9	-2,616.4	2,708.9	0.00	0.00	0.00
9,900.0	91.39	269.68	7,319.1	798.4	-2,716.3	2,807.6	0.00	0.00	0.00
10,000.0	91.39	269.68	7,316.7	797.8	-2,816.3	2,906.2	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Hester Farms D-36HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4939.0ft (RKB - 25')
Project:	SEC.31-T7N-R66W	MD Reference:	WELL @ 4939.0ft (RKB - 25')
Site:	Hester Farms Pad Sec.31-7N-66W	North Reference:	True
Well:	Hester Farms D-36HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (5-06-15)		

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)	
10,100.0	91.39	269.68	7,314.2	797.2	-2,916.3	3,004.9	0.00	0.00	0.00	
10,200.0	91.39	269.68	7,311.8	796.7	-3,016.2	3,103.5	0.00	0.00	0.00	
10,300.0	91.39	269.68	7,309.4	796.1	-3,116.2	3,202.2	0.00	0.00	0.00	
10,400.0	91.39	269.68	7,306.9	795.6	-3,216.2	3,300.9	0.00	0.00	0.00	
10,500.0	91.39	269.68	7,304.5	795.0	-3,316.1	3,399.5	0.00	0.00	0.00	
10,600.0	91.39	269.68	7,302.1	794.4	-3,416.1	3,498.2	0.00	0.00	0.00	
10,700.0	91.39	269.68	7,299.6	793.9	-3,516.1	3,596.8	0.00	0.00	0.00	
10,800.0	91.39	269.68	7,297.2	793.3	-3,616.1	3,695.5	0.00	0.00	0.00	
10,900.0	91.39	269.68	7,294.8	792.7	-3,716.0	3,794.2	0.00	0.00	0.00	
11,000.0	91.39	269.68	7,292.3	792.2	-3,816.0	3,892.8	0.00	0.00	0.00	
11,100.0	91.39	269.68	7,289.9	791.6	-3,916.0	3,991.5	0.00	0.00	0.00	
11,200.0	91.39	269.68	7,287.5	791.1	-4,015.9	4,090.1	0.00	0.00	0.00	
11,300.0	91.39	269.68	7,285.0	790.5	-4,115.9	4,188.8	0.00	0.00	0.00	
11,400.0	91.39	269.68	7,282.6	789.9	-4,215.9	4,287.5	0.00	0.00	0.00	
11,500.0	91.39	269.68	7,280.2	789.4	-4,315.8	4,386.1	0.00	0.00	0.00	
11,600.0	91.39	269.68	7,277.7	788.8	-4,415.8	4,484.8	0.00	0.00	0.00	
11,700.0	91.39	269.68	7,275.3	788.2	-4,515.8	4,583.4	0.00	0.00	0.00	
11,800.0	91.39	269.68	7,272.9	787.7	-4,615.7	4,682.1	0.00	0.00	0.00	
11,900.0	91.39	269.68	7,270.4	787.1	-4,715.7	4,780.8	0.00	0.00	0.00	
12,000.0	91.39	269.68	7,268.0	786.6	-4,815.7	4,879.4	0.00	0.00	0.00	
12,100.0	91.39	269.68	7,265.6	786.0	-4,915.6	4,978.1	0.00	0.00	0.00	
12,164.6	91.39	269.68	7,264.0	785.6	-4,980.2	5,041.8	0.00	0.00	0.00	
TD at 12164.6										

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
LPL 820'FNL, 470'FEI - hit/miss target - Shape - Point	0.00	0.00	7,369.0	809.9	-664.9	1,438,699.19	3,185,178.18	40.535720	-104.833772	
SHL 1634'FNL, 202'F' - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,437,894.35	3,185,849.13	40.533497	-104.831380	
BHL 820'FNL, 470'FV - plan hits target center - Point	0.00	0.00	7,264.0	785.6	-4,980.2	1,438,642.37	3,180,863.27	40.535652	-104.849297	

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")		
7,847.9	7,369.0	7"	7	7-1/2		

Database:	Landmark	Local Co-ordinate Reference:	Well Hester Farms D-36HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4939.0ft (RKB - 25')
Project:	SEC.31-T7N-R66W	MD Reference:	WELL @ 4939.0ft (RKB - 25')
Site:	Hester Farms Pad Sec.31-7N-66W	North Reference:	True
Well:	Hester Farms D-36HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (5-06-15)		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
800.0	800.0	0.0	0.0	KOP - Start Build 1.00
1,550.1	1,547.9	48.8	4.7	Start 5146.1 hold at 1550.1 MD
6,696.2	6,650.0	717.5	69.1	Start DLS 8.00 TFO -95.59
7,847.9	7,369.0	809.9	-664.9	Start 4316.7 hold at 7847.9 MD
12,164.6	7,264.0	785.6	-4,980.2	TD at 12164.6