

Great Western

Well Name: **Tailholt FD 11-378HC**

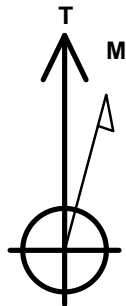
Surface Location: Tailholt FD Horizontal Pad Sec.11-T6N-R67W
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
 Ground Elevation: 4874.2

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1428645.38	3175718.03	40.508314	-104.868064	

 RKB - 16.5' WELL @ 4890.7ft (RKB - 16.5')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 241'FNL & 567'FWL	-1.3	0.0	0.0	Point
Landing Pt. 460'FNL & 720'FWL	7336.7	-219.6	152.1	Point
BHL 470'FSL & 720'FWL	7346.7	-4668.3	145.2	Point



Azimuths to True North
 Magnetic North: 8.68°

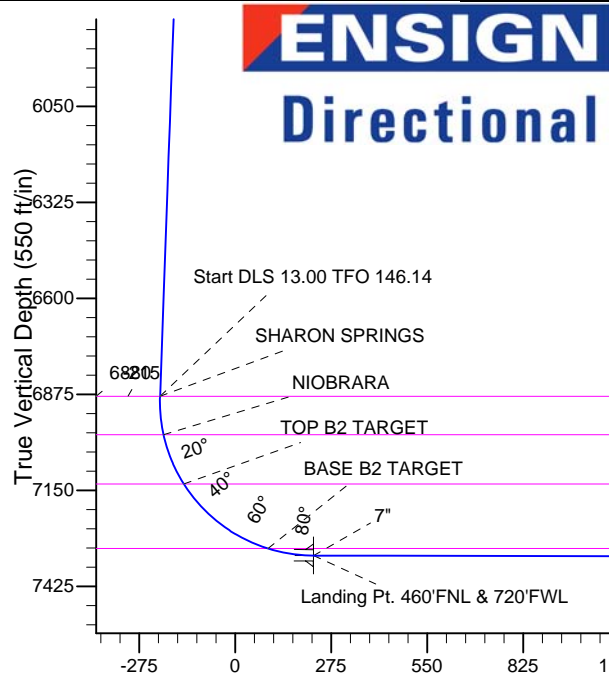
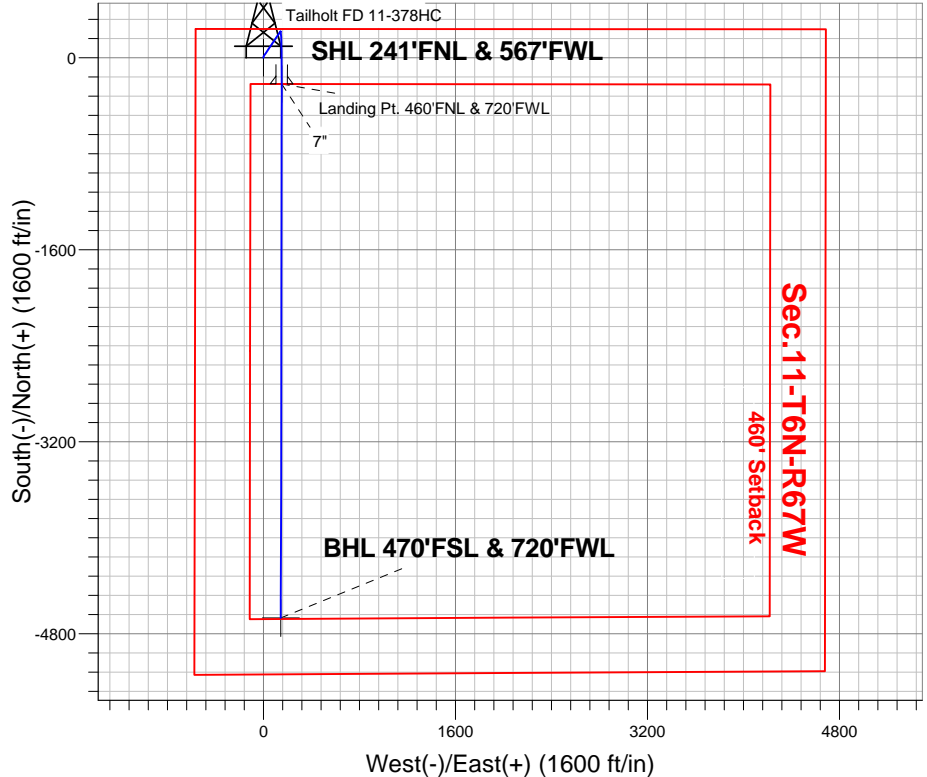
Magnetic Field
 Strength: 52982.5snT
 Dip Angle: 67.06°
 Date: 4/18/2013
 Model: IGRF2010

Tailholt FD Horizontal Pad Sec.11-T6N-R67W
 Tailholt FD 11-378HC
 Plan #3 (10-14-13)
 12:10, October 18 2013

ANNOTATIONS

TVD	MD	Annotation
800.0	800.0	KOP - Start Build 1.00
1099.9	1100.0	Start DLS 3.00 TFO 122.67
6879.9	6885.7	Start DLS 13.00 TFO 146.14
7346.7	12041.9	TD at 12041.9

South(-)/North(+) (1600 ft/in)



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.0	
3	1100.0	3.00	0.00	1099.9	7.9	0.0	1.00	0.00	-7.8	
4	1155.8	2.53	33.92	1155.6	10.3	0.7	3.00	122.67	-10.3	
5	6885.7	2.53	33.92	6880.0	219.9	141.6	0.00	0.00	-215.4	
6	7593.2	89.87	180.09	7336.7	-219.6	152.1	13.00	146.14	224.2	Landing Pt. 460'FNL & 720'FWL
7	7618.3	89.87	180.09	7336.8	-244.7	152.1	0.00	0.00	249.3	
8	12041.9	89.87	180.09	7346.7	-4668.3	145.2	0.00	0.00	4670.5	BHL 470'FSL & 720'FWL

Vertical Section at 178.22° (550 ft/in)



Great Western

SEC.11-T6N-R67W

Tailholt FD Horizontal Pad Sec.11-T6N-R67W

Tailholt FD 11-378HC

Wellbore #1

Plan: Plan #3 (10-14-13)

Standard Planning Report

18 October, 2013

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	
1,100.0	3.00	0.00	1,099.9	7.9	0.0	1.00	1.00	0.00	0.00	
1,155.8	2.53	33.92	1,155.6	10.3	0.7	3.00	-0.85	60.79	122.67	
6,885.7	2.53	33.92	6,880.0	219.9	141.6	0.00	0.00	0.00	0.00	
7,593.2	89.87	180.09	7,336.7	-219.6	152.1	13.00	12.35	20.66	146.14	Landing Pt. 460'FN
7,618.3	89.87	180.09	7,336.8	-244.7	152.1	0.00	0.00	0.00	0.00	
12,041.9	89.87	180.09	7,346.7	-4,668.3	145.2	0.00	0.00	0.00	0.00	BHL 470'FSL & 720'FN

Database:	Landmark	Local Co-ordinate Reference:	Well Tailholt FD 11-378HC
Company:	Great Western	TVD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Project:	SEC.11-T6N-R67W	MD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Site:	Tailholt FD Horizontal Pad Sec.11-T6N-R67W	North Reference:	True
Well:	Tailholt FD 11-378HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (10-14-13)		

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
SHL 241'FNL & 567'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
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	0.00	900.0	0.9	0.0	-0.9	1.00	1.00	0.00
1,000.0	2.00	0.00	1,000.0	3.5	0.0	-3.5	1.00	1.00	0.00
1,054.8	2.55	0.00	1,054.7	5.7	0.0	-5.7	1.00	1.00	0.00
PIERRE									
1,100.0	3.00	0.00	1,099.9	7.9	0.0	-7.8	1.00	1.00	0.00
Start DLS 3.00 TFO 122.67									
1,155.8	2.53	33.92	1,155.6	10.3	0.7	-10.3	3.00	-0.85	60.79
1,200.0	2.53	33.92	1,199.8	11.9	1.8	-11.9	0.00	0.00	0.00
1,300.0	2.53	33.92	1,299.7	15.6	4.2	-15.5	0.00	0.00	0.00
1,400.0	2.53	33.92	1,399.6	19.3	6.7	-19.0	0.00	0.00	0.00
1,500.0	2.53	33.92	1,499.5	22.9	9.2	-22.6	0.00	0.00	0.00
1,600.0	2.53	33.92	1,599.4	26.6	11.6	-26.2	0.00	0.00	0.00
1,700.0	2.53	33.92	1,699.3	30.2	14.1	-29.8	0.00	0.00	0.00
1,800.0	2.53	33.92	1,799.2	33.9	16.5	-33.4	0.00	0.00	0.00
1,900.0	2.53	33.92	1,899.1	37.5	19.0	-36.9	0.00	0.00	0.00
2,000.0	2.53	33.92	1,999.0	41.2	21.4	-40.5	0.00	0.00	0.00
2,100.0	2.53	33.92	2,098.9	44.9	23.9	-44.1	0.00	0.00	0.00
2,200.0	2.53	33.92	2,198.8	48.5	26.4	-47.7	0.00	0.00	0.00
2,300.0	2.53	33.92	2,298.7	52.2	28.8	-51.3	0.00	0.00	0.00
2,400.0	2.53	33.92	2,398.6	55.8	31.3	-54.8	0.00	0.00	0.00
2,500.0	2.53	33.92	2,498.5	59.5	33.7	-58.4	0.00	0.00	0.00
2,600.0	2.53	33.92	2,598.4	63.1	36.2	-62.0	0.00	0.00	0.00
2,700.0	2.53	33.92	2,698.3	66.8	38.7	-65.6	0.00	0.00	0.00
2,800.0	2.53	33.92	2,798.2	70.5	41.1	-69.1	0.00	0.00	0.00
2,900.0	2.53	33.92	2,898.1	74.1	43.6	-72.7	0.00	0.00	0.00
3,000.0	2.53	33.92	2,998.0	77.8	46.0	-76.3	0.00	0.00	0.00
3,100.0	2.53	33.92	3,097.9	81.4	48.5	-79.9	0.00	0.00	0.00
3,200.0	2.53	33.92	3,197.8	85.1	51.0	-83.5	0.00	0.00	0.00
3,300.0	2.53	33.92	3,297.7	88.7	53.4	-87.0	0.00	0.00	0.00
3,400.0	2.53	33.92	3,397.6	92.4	55.9	-90.6	0.00	0.00	0.00
3,500.0	2.53	33.92	3,497.5	96.1	58.3	-94.2	0.00	0.00	0.00
3,600.0	2.53	33.92	3,597.4	99.7	60.8	-97.8	0.00	0.00	0.00
3,654.3	2.53	33.92	3,651.7	101.7	62.1	-99.7	0.00	0.00	0.00
PARKMAN									
3,700.0	2.53	33.92	3,697.3	103.4	63.3	-101.4	0.00	0.00	0.00
3,800.0	2.53	33.92	3,797.2	107.0	65.7	-104.9	0.00	0.00	0.00
3,900.0	2.53	33.92	3,897.1	110.7	68.2	-108.5	0.00	0.00	0.00
4,000.0	2.53	33.92	3,997.0	114.3	70.6	-112.1	0.00	0.00	0.00
4,100.0	2.53	33.92	4,096.9	118.0	73.1	-115.7	0.00	0.00	0.00
4,191.8	2.53	33.92	4,188.7	121.4	75.4	-119.0	0.00	0.00	0.00
SUSSEX									
4,200.0	2.53	33.92	4,196.8	121.7	75.6	-119.2	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Tailholt FD 11-378HC
Company:	Great Western	TVD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Project:	SEC.11-T6N-R67W	MD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Site:	Tailholt FD Horizontal Pad Sec.11-T6N-R67W	North Reference:	True
Well:	Tailholt FD 11-378HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (10-14-13)		

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)
4,300.0	2.53	33.92	4,296.7	125.3	78.0	-122.8	0.00	0.00	0.00
4,400.0	2.53	33.92	4,396.6	129.0	80.5	-126.4	0.00	0.00	0.00
4,500.0	2.53	33.92	4,496.6	132.6	82.9	-130.0	0.00	0.00	0.00
4,600.0	2.53	33.92	4,596.5	136.3	85.4	-133.6	0.00	0.00	0.00
4,700.0	2.53	33.92	4,696.4	139.9	87.9	-137.1	0.00	0.00	0.00
4,760.4	2.53	33.92	4,756.7	142.1	89.3	-139.3	0.00	0.00	0.00
SHANNON									
4,800.0	2.53	33.92	4,796.3	143.6	90.3	-140.7	0.00	0.00	0.00
4,900.0	2.53	33.92	4,896.2	147.2	92.8	-144.3	0.00	0.00	0.00
5,000.0	2.53	33.92	4,996.1	150.9	95.2	-147.9	0.00	0.00	0.00
5,100.0	2.53	33.92	5,096.0	154.6	97.7	-151.5	0.00	0.00	0.00
5,200.0	2.53	33.92	5,195.9	158.2	100.1	-155.0	0.00	0.00	0.00
5,300.0	2.53	33.92	5,295.8	161.9	102.6	-158.6	0.00	0.00	0.00
5,400.0	2.53	33.92	5,395.7	165.5	105.1	-162.2	0.00	0.00	0.00
5,500.0	2.53	33.92	5,495.6	169.2	107.5	-165.8	0.00	0.00	0.00
5,600.0	2.53	33.92	5,595.5	172.8	110.0	-169.3	0.00	0.00	0.00
5,700.0	2.53	33.92	5,695.4	176.5	112.4	-172.9	0.00	0.00	0.00
5,800.0	2.53	33.92	5,795.3	180.2	114.9	-176.5	0.00	0.00	0.00
5,900.0	2.53	33.92	5,895.2	183.8	117.4	-180.1	0.00	0.00	0.00
6,000.0	2.53	33.92	5,995.1	187.5	119.8	-183.7	0.00	0.00	0.00
6,100.0	2.53	33.92	6,095.0	191.1	122.3	-187.2	0.00	0.00	0.00
6,200.0	2.53	33.92	6,194.9	194.8	124.7	-190.8	0.00	0.00	0.00
6,300.0	2.53	33.92	6,294.8	198.4	127.2	-194.4	0.00	0.00	0.00
6,400.0	2.53	33.92	6,394.7	202.1	129.7	-198.0	0.00	0.00	0.00
6,500.0	2.53	33.92	6,494.6	205.8	132.1	-201.5	0.00	0.00	0.00
6,600.0	2.53	33.92	6,594.5	209.4	134.6	-205.1	0.00	0.00	0.00
6,700.0	2.53	33.92	6,694.4	213.1	137.0	-208.7	0.00	0.00	0.00
6,800.0	2.53	33.92	6,794.3	216.7	139.5	-212.3	0.00	0.00	0.00
6,885.7	2.53	33.92	6,879.9	219.9	141.6	-215.4	0.00	0.00	0.00
Start DLS 13.00 TFO 146.14									
6,886.5	2.45	35.17	6,880.7	219.9	141.6	-215.4	12.46	-10.27	162.57
SHARON SPRINGS									
6,900.0	1.43	80.29	6,894.2	220.2	142.0	-215.6	13.00	-7.53	333.39
6,997.2	12.48	173.72	6,990.7	209.9	144.3	-205.3	13.00	11.36	96.08
NIOBRARA									
7,000.0	12.83	173.90	6,993.4	209.3	144.4	-204.7	13.00	12.92	6.65
7,100.0	25.79	177.18	7,087.6	176.4	146.6	-171.7	13.00	12.96	3.28
7,150.5	32.35	177.87	7,131.7	151.8	147.7	-147.2	13.00	12.98	1.37
TOP B2 TARGET									
7,200.0	38.78	178.34	7,171.9	123.1	148.6	-118.4	13.00	12.99	0.95
7,300.0	51.77	178.98	7,242.1	52.2	150.2	-47.5	13.00	12.99	0.64
7,400.0	64.76	179.43	7,294.6	-32.6	151.4	37.3	13.00	12.99	0.45
7,460.9	72.68	179.65	7,316.7	-89.3	151.8	94.0	13.00	13.00	0.37
BASE B2 TARGET									
7,500.0	77.76	179.79	7,326.7	-127.1	152.0	131.8	13.00	13.00	0.34
7,593.2	89.87	180.09	7,336.7	-219.6	152.1	224.2	13.00	12.99	0.32
7" - Landing Pt. 460'FNL & 720'FWL									
7,600.0	89.87	180.09	7,336.7	-226.4	152.1	231.0	0.04	0.04	0.00
7,618.3	89.87	180.09	7,336.8	-244.7	152.1	249.3	0.00	0.00	0.00
7,700.0	89.87	180.09	7,336.9	-326.4	151.9	331.0	0.00	0.00	0.00
7,800.0	89.87	180.09	7,337.2	-426.4	151.8	430.9	0.00	0.00	0.00
7,900.0	89.87	180.09	7,337.4	-526.4	151.6	530.9	0.00	0.00	0.00
8,000.0	89.87	180.09	7,337.6	-626.4	151.5	630.8	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Tailholt FD 11-378HC
Company:	Great Western	TVD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Project:	SEC.11-T6N-R67W	MD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Site:	Tailholt FD Horizontal Pad Sec.11-T6N-R67W	North Reference:	True
Well:	Tailholt FD 11-378HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (10-14-13)		

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)
8,100.0	89.87	180.09	7,337.8	-726.4	151.3	730.8	0.00	0.00	0.00
8,200.0	89.87	180.09	7,338.1	-826.4	151.2	830.7	0.00	0.00	0.00
8,300.0	89.87	180.09	7,338.3	-926.4	151.0	930.7	0.00	0.00	0.00
8,400.0	89.87	180.09	7,338.5	-1,026.4	150.8	1,030.6	0.00	0.00	0.00
8,500.0	89.87	180.09	7,338.8	-1,126.4	150.7	1,130.6	0.00	0.00	0.00
8,600.0	89.87	180.09	7,339.0	-1,226.4	150.5	1,230.5	0.00	0.00	0.00
8,700.0	89.87	180.09	7,339.2	-1,326.4	150.4	1,330.4	0.00	0.00	0.00
8,800.0	89.87	180.09	7,339.4	-1,426.4	150.2	1,430.4	0.00	0.00	0.00
8,900.0	89.87	180.09	7,339.7	-1,526.4	150.1	1,530.3	0.00	0.00	0.00
9,000.0	89.87	180.09	7,339.9	-1,626.4	149.9	1,630.3	0.00	0.00	0.00
9,100.0	89.87	180.09	7,340.1	-1,726.4	149.7	1,730.2	0.00	0.00	0.00
9,200.0	89.87	180.09	7,340.3	-1,826.4	149.6	1,830.2	0.00	0.00	0.00
9,300.0	89.87	180.09	7,340.6	-1,926.4	149.4	1,930.1	0.00	0.00	0.00
9,400.0	89.87	180.09	7,340.8	-2,026.4	149.3	2,030.1	0.00	0.00	0.00
9,500.0	89.87	180.09	7,341.0	-2,126.4	149.1	2,130.0	0.00	0.00	0.00
9,600.0	89.87	180.09	7,341.3	-2,226.4	149.0	2,230.0	0.00	0.00	0.00
9,700.0	89.87	180.09	7,341.5	-2,326.4	148.8	2,329.9	0.00	0.00	0.00
9,800.0	89.87	180.09	7,341.7	-2,426.4	148.6	2,429.9	0.00	0.00	0.00
9,900.0	89.87	180.09	7,341.9	-2,526.4	148.5	2,529.8	0.00	0.00	0.00
10,000.0	89.87	180.09	7,342.2	-2,626.4	148.3	2,629.8	0.00	0.00	0.00
10,100.0	89.87	180.09	7,342.4	-2,726.4	148.2	2,729.7	0.00	0.00	0.00
10,200.0	89.87	180.09	7,342.6	-2,826.4	148.0	2,829.6	0.00	0.00	0.00
10,300.0	89.87	180.09	7,342.8	-2,926.4	147.9	2,929.6	0.00	0.00	0.00
10,400.0	89.87	180.09	7,343.1	-3,026.4	147.7	3,029.5	0.00	0.00	0.00
10,500.0	89.87	180.09	7,343.3	-3,126.4	147.5	3,129.5	0.00	0.00	0.00
10,600.0	89.87	180.09	7,343.5	-3,226.4	147.4	3,229.4	0.00	0.00	0.00
10,700.0	89.87	180.09	7,343.7	-3,326.4	147.2	3,329.4	0.00	0.00	0.00
10,800.0	89.87	180.09	7,344.0	-3,426.4	147.1	3,429.3	0.00	0.00	0.00
10,900.0	89.87	180.09	7,344.2	-3,526.4	146.9	3,529.3	0.00	0.00	0.00
11,000.0	89.87	180.09	7,344.4	-3,626.4	146.8	3,629.2	0.00	0.00	0.00
11,100.0	89.87	180.09	7,344.7	-3,726.4	146.6	3,729.2	0.00	0.00	0.00
11,200.0	89.87	180.09	7,344.9	-3,826.4	146.4	3,829.1	0.00	0.00	0.00
11,300.0	89.87	180.09	7,345.1	-3,926.4	146.3	3,929.1	0.00	0.00	0.00
11,400.0	89.87	180.09	7,345.3	-4,026.4	146.1	4,029.0	0.00	0.00	0.00
11,500.0	89.87	180.09	7,345.6	-4,126.4	146.0	4,128.9	0.00	0.00	0.00
11,600.0	89.87	180.09	7,345.8	-4,226.4	145.8	4,228.9	0.00	0.00	0.00
11,700.0	89.87	180.09	7,346.0	-4,326.4	145.7	4,328.8	0.00	0.00	0.00
11,800.0	89.87	180.09	7,346.2	-4,426.4	145.5	4,428.8	0.00	0.00	0.00
11,900.0	89.87	180.09	7,346.5	-4,526.4	145.3	4,528.7	0.00	0.00	0.00
12,000.0	89.87	180.09	7,346.7	-4,626.4	145.2	4,628.7	0.00	0.00	0.00
12,041.9	89.87	180.09	7,346.7	-4,668.3	145.2	4,670.5	0.00	0.00	0.00
BHL 470'FSL & 720'FWL									

Database:	Landmark	Local Co-ordinate Reference:	Well Tailholt FD 11-378HC
Company:	Great Western	TVD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Project:	SEC.11-T6N-R67W	MD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Site:	Tailholt FD Horizontal Pad Sec.11-T6N-R67W	North Reference:	True
Well:	Tailholt FD 11-378HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 (10-14-13)		

Targets										
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SHL 241'FNL & 567'F	- plan misses target center by 1.3ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E)	0.00	0.00	-1.3	0.0	0.0	1,428,645.40	3,175,718.03	40.508314	-104.868064
	- Point									
Landing Pt. 460'FNL & 567'F	- plan hits target center	0.00	0.00	7,336.7	-219.6	152.1	1,428,426.87	3,175,871.70	40.507711	-104.867517
	- Point									
BHL 470'FSL & 720'F	- plan hits target center	0.00	0.00	7,346.7	-4,668.3	145.2	1,423,978.40	3,175,896.47	40.495500	-104.867542
	- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
7,593.2	7,336.7	7"	7	7-1/2	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,054.8	1,054.7	PIERRE		0.00		
3,654.3	3,651.7	PARKMAN		0.00		
4,191.8	4,188.7	SUSSEX		0.00		
4,760.4	4,756.7	SHANNON		0.00		
6,886.5	6,880.7	SHARON SPRINGS		0.00		
6,997.2	6,990.7	NIOBRARA		0.00		
7,150.5	7,131.7	TOP B2 TARGET		0.00		
7,460.9	7,316.7	BASE B2 TARGET		0.00		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
800.0	800.0	0.0	0.0	KOP - Start Build 1.00	
1,100.0	1,099.9	7.9	0.0	Start DLS 3.00 TFO 122.67	
6,885.7	6,879.9	219.9	141.6	Start DLS 13.00 TFO 146.14	
12,041.9	7,346.7	-4,668.3	145.2	TD at 12041.9	



Great Western

SEC.11-T6N-R67W

Tailholt FD Horizontal Pad Sec.11-T6N-R67W

Tailholt FD 11-378HC

Wellbore #1

Plan #3 (10-14-13)

Anticollision Report

18 October, 2013

Company:	Great Western	Local Co-ordinate Reference:	Well Tailholt FD 11-378HC
Project:	SEC.11-T6N-R67W	TVD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Reference Site:	Tailholt FD Horizontal Pad Sec.11-T6N-R67W	MD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Tailholt FD 11-378HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #3 (10-14-13)	Offset TVD Reference:	Offset Datum

Reference	Plan #3 (10-14-13)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 10/18/2013			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	12,041.8	Plan #3 (10-14-13) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Tailholt FD Horizontal Pad Sec.11-T6N-R67W						
Tailholt FD 11-35HN - Wellbore #1 - Plan #8 (10-2-13)	1,023.1	1,025.2	14.2	10.1	3.411	CC, ES
Tailholt FD 11-35HN - Wellbore #1 - Plan #8 (10-2-13)	6,562.5	6,599.9	52.1	22.6	1.770	SF
Tailholt FD 11-379HN - Wellbore #1 - Plan #3 (10-14-13)	833.0	833.0	20.0	16.5	5.688	CC
Tailholt FD 11-379HN - Wellbore #1 - Plan #3 (10-14-13)	1,000.0	1,000.0	20.3	16.0	4.758	ES
Tailholt FD 11-379HN - Wellbore #1 - Plan #3 (10-14-13)	12,041.9	11,879.1	339.9	196.3	2.368	SF

Offset Design												
Tailholt FD Horizontal Pad Sec.11-T6N-R67W - Tailholt FD 11-35HN - Wellbore #1 - Plan #8 (10-2-13)												
Survey Program: 171-MWD, 6333-MWD												
Reference Offset Semi Major Axis Distance												
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor
0.0	0.0	1.8	1.8	0.0	0.0	90.00	0.0	20.0	20.0	20.0	0.00	8,996.854
100.0	100.0	101.8	101.8	0.1	0.1	90.29	-0.1	19.9	19.9	19.7	0.23	87.615
200.0	200.0	201.8	201.8	0.3	0.3	91.10	-0.4	19.6	19.6	19.0	0.59	33.085
231.7	231.7	233.5	233.5	0.4	0.3	91.26	-0.4	19.6	19.6	18.8	0.73	26.892
300.0	300.0	301.8	301.8	0.6	0.5	91.31	-0.5	19.6	19.6	18.6	1.02	19.229
400.0	400.0	401.9	401.9	0.8	0.7	90.95	-0.3	19.5	19.5	18.0	1.45	13.419
500.0	500.0	501.9	501.9	1.0	0.9	92.00	-0.7	19.2	19.2	17.3	1.89	10.166
600.0	600.0	601.9	601.9	1.2	1.1	94.48	-1.5	18.7	18.8	16.4	2.33	8.052
700.0	700.0	702.0	702.0	1.5	1.3	97.63	-2.4	17.7	17.8	15.1	2.77	6.432
800.0	800.0	802.1	802.1	1.7	1.5	100.07	-2.9	16.2	16.5	13.3	3.21	5.132
900.0	900.0	902.1	902.0	1.9	1.7	108.32	-3.8	14.0	14.8	11.1	3.64	4.052
1,000.0	1,000.0	1,002.1	1,002.1	2.1	1.9	122.99	-4.3	12.0	14.3	10.2	4.07	3.504
1,023.1	1,023.0	1,025.2	1,025.2	2.2	2.0	127.02	-4.2	11.4	14.2	10.1	4.17	3.411 CC, ES
1,100.0	1,099.9	1,102.0	1,101.9	2.4	2.1	141.67	-4.0	9.4	15.1	10.6	4.51	3.349
1,200.0	1,199.8	1,201.8	1,201.7	2.6	2.4	128.36	-3.9	6.8	16.7	11.8	4.93	3.387
1,300.0	1,299.7	1,301.6	1,301.4	2.8	2.6	146.12	-4.3	4.2	19.9	14.5	5.36	3.712
1,400.0	1,399.6	1,401.4	1,401.2	3.0	2.8	154.70	-4.8	3.0	24.3	18.5	5.79	4.197
1,500.0	1,499.5	1,501.2	1,501.0	3.2	3.0	158.95	-5.5	2.7	29.1	22.9	6.22	4.680
1,600.0	1,599.4	1,601.1	1,600.9	3.5	3.2	159.74	-6.5	3.6	34.0	27.4	6.65	5.117
1,700.0	1,699.3	1,701.3	1,701.0	3.7	3.4	160.20	-7.4	4.6	38.8	31.7	7.08	5.482
1,800.0	1,799.2	1,801.6	1,801.4	3.9	3.6	161.13	-7.0	5.5	42.3	34.8	7.51	5.634
1,900.0	1,899.1	1,901.6	1,901.3	4.2	3.8	162.48	-6.1	6.1	45.5	37.6	7.95	5.729

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Great Western	Local Co-ordinate Reference:	Well Tailholt FD 11-378HC
Project:	SEC.11-T6N-R67W	TVD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Reference Site:	Tailholt FD Horizontal Pad Sec.11-T6N-R67W	MD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Tailholt FD 11-378HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #3 (10-14-13)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 171-MWD, 6333-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,000.0	1,999.0	2,001.6	2,001.4	4.4	4.0	164.25	-5.0	6.3	48.7	40.3	8.38	5.806		
2,100.0	2,098.9	2,101.5	2,101.3	4.6	4.2	166.51	-3.6	5.9	51.7	42.9	8.82	5.865		
2,200.0	2,198.8	2,201.3	2,201.1	4.9	4.4	167.71	-2.6	6.1	55.0	45.7	9.25	5.944		
2,300.0	2,298.7	2,301.4	2,301.1	5.1	4.7	168.54	-1.7	6.5	58.3	48.7	9.68	6.025		
2,400.0	2,398.6	2,401.7	2,401.4	5.3	4.9	168.30	-0.9	8.1	61.3	51.2	10.12	6.061		
2,500.0	2,498.5	2,501.5	2,501.2	5.6	5.1	167.66	-0.1	10.2	64.0	53.5	10.55	6.072		
2,600.0	2,598.4	2,601.3	2,601.0	5.8	5.3	167.29	0.6	11.9	67.1	56.1	10.99	6.107		
2,700.0	2,698.3	2,701.5	2,701.1	6.0	5.5	167.09	1.4	13.5	70.0	58.6	11.42	6.133		
2,800.0	2,798.2	2,800.9	2,800.6	6.3	5.7	167.18	2.2	14.8	73.2	61.3	11.86	6.170		
2,900.0	2,898.1	2,900.8	2,900.4	6.5	5.9	167.66	2.7	15.3	76.8	64.5	12.30	6.242		
3,000.0	2,998.0	2,999.6	2,999.3	6.7	6.1	168.16	2.6	15.5	81.1	68.4	12.73	6.368		
3,100.0	3,097.9	3,099.3	3,099.0	7.0	6.3	168.75	1.9	15.3	86.2	73.0	13.17	6.542		
3,200.0	3,197.8	3,199.5	3,199.1	7.2	6.5	169.38	1.4	14.9	91.2	77.5	13.61	6.699		
3,300.0	3,297.7	3,299.2	3,298.9	7.5	6.7	169.82	0.8	14.7	96.1	82.1	14.04	6.845		
3,400.0	3,397.6	3,399.1	3,398.7	7.7	7.0	170.14	0.1	14.6	101.1	86.6	14.47	6.986		
3,500.0	3,497.5	3,498.8	3,498.5	7.9	7.2	170.52	-0.7	14.4	106.2	91.3	14.91	7.127		
3,600.0	3,597.4	3,598.7	3,598.3	8.2	7.4	171.02	-1.2	13.8	111.3	96.0	15.34	7.254		
3,700.0	3,697.3	3,698.1	3,697.7	8.4	7.6	171.67	-1.9	12.8	116.8	101.0	15.78	7.398		
3,800.0	3,797.2	3,797.6	3,797.2	8.6	7.8	172.62	-2.5	11.0	122.4	106.2	16.22	7.547		
3,900.0	3,897.1	3,897.7	3,897.3	8.9	8.0	173.88	-2.9	8.3	128.5	111.8	16.66	7.711		
4,000.0	3,997.0	3,998.7	3,998.3	9.1	8.2	174.80	-2.8	6.5	133.5	116.4	17.09	7.813		
4,100.0	4,096.9	4,098.8	4,098.4	9.3	8.4	175.26	-2.7	5.7	138.2	120.7	17.52	7.890		
4,200.0	4,196.8	4,198.8	4,198.4	9.6	8.6	175.66	-2.6	5.0	142.9	124.9	17.95	7.957		
4,300.0	4,296.7	4,297.7	4,297.3	9.8	8.8	176.23	-2.3	3.8	147.6	129.3	18.39	8.029		
4,400.0	4,396.6	4,396.7	4,396.3	10.1	9.1	176.72	-2.9	2.3	153.3	134.5	18.82	8.144		
4,500.0	4,496.6	4,498.0	4,497.6	10.3	9.3	176.98	-3.7	1.4	158.8	139.6	19.26	8.247		
4,600.0	4,596.5	4,598.8	4,598.3	10.5	9.5	177.04	-3.8	1.3	163.4	143.7	19.69	8.296		
4,700.0	4,696.4	4,701.0	4,700.5	10.8	9.7	176.79	-3.8	2.5	167.2	147.0	20.13	8.305		
4,800.0	4,796.3	4,800.9	4,800.4	11.0	9.9	176.54	-3.0	4.1	170.1	149.5	20.56	8.272		
4,900.0	4,896.2	4,901.2	4,900.7	11.2	10.1	176.38	-2.1	5.5	173.0	152.0	21.00	8.239		
5,000.0	4,996.1	4,999.9	4,999.4	11.5	10.3	176.14	-1.6	6.9	176.2	154.8	21.43	8.221		
5,100.0	5,096.0	5,099.4	5,098.9	11.7	10.5	175.87	-1.5	8.3	179.9	158.0	21.87	8.224		
5,200.0	5,195.9	5,199.0	5,198.4	11.9	10.7	175.59	-1.7	9.6	183.7	161.4	22.31	8.237		
5,300.0	5,295.8	5,298.2	5,297.7	12.2	10.9	175.37	-2.0	10.6	188.0	165.2	22.74	8.264		
5,400.0	5,395.7	5,398.5	5,398.0	12.4	11.1	175.26	-2.3	11.3	192.2	169.0	23.18	8.292		
5,500.0	5,495.6	5,500.2	5,499.6	12.7	11.4	175.18	-2.2	12.1	196.1	172.5	23.62	8.304		
5,600.0	5,595.5	5,605.7	5,605.0	12.9	11.6	174.77	-0.1	15.3	197.3	173.2	24.07	8.199		
5,700.0	5,695.4	5,708.5	5,707.8	13.1	11.8	174.33	2.7	19.1	197.6	173.1	24.51	8.061		
5,800.0	5,795.3	5,820.3	5,819.2	13.4	12.0	174.32	10.1	23.6	194.2	169.3	24.97	7.779		
5,900.0	5,895.2	5,928.2	5,926.0	13.6	12.3	174.28	23.7	31.6	184.0	158.5	25.42	7.236		
6,000.0	5,995.1	6,032.3	6,028.6	13.8	12.5	173.96	38.3	41.0	171.7	145.8	25.86	6.638		
6,100.0	6,095.0	6,135.0	6,129.2	14.1	12.7	173.51	55.7	52.1	155.9	129.6	26.31	5.927		
6,200.0	6,194.9	6,234.0	6,225.8	14.3	13.0	171.02	70.6	67.2	139.9	113.2	26.75	5.232		
6,300.0	6,294.8	6,342.7	6,330.5	14.5	13.3	165.40	89.5	89.4	120.2	92.9	27.24	4.411		
6,400.0	6,394.7	6,448.8	6,429.0	14.8	13.6	154.69	117.1	117.4	91.8	64.0	27.82	3.300		
6,500.0	6,494.6	6,545.0	6,513.6	15.0	14.0	129.32	149.7	149.6	61.1	32.4	28.72	2.128		
6,562.5	6,557.1	6,599.9	6,559.3	15.2	14.3	100.82	171.4	170.6	52.1	22.6	29.41	1.770 SF		
6,600.0	6,594.5	6,630.3	6,583.9	15.3	14.4	82.98	184.2	183.1	56.1	26.5	29.60	1.895		
6,700.0	6,694.4	6,714.0	6,654.4	15.5	14.8	56.68	210.7	219.4	92.4	62.7	29.70	3.113		
6,800.0	6,794.3	6,804.1	6,733.7	15.7	15.3	52.62	221.9	260.3	136.1	106.0	30.04	4.530		
6,900.0	6,894.2	6,893.6	6,812.9	16.0	15.6	11.49	214.8	301.1	179.6	149.1	30.57	5.876		
7,000.0	6,993.4	6,980.1	6,886.7	16.1	15.9	-72.07	191.0	339.1	223.7	192.6	31.04	7.206		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Great Western	Local Co-ordinate Reference:	Well Tailholt FD 11-378HC
Project:	SEC.11-T6N-R67W	TVD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Reference Site:	Tailholt FD Horizontal Pad Sec.11-T6N-R67W	MD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Tailholt FD 11-378HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #3 (10-14-13)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 171-MWD, 6333-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,100.0	7,087.6	7,065.9	6,954.4	16.2	16.2	-68.06	151.7	374.0	265.6	234.5	31.03	8.557	
7,200.0	7,171.9	7,152.3	7,014.4	16.2	16.4	-63.90	98.0	404.9	302.8	272.3	30.50	9.929	
7,300.0	7,242.1	7,240.1	7,064.6	16.2	16.7	-60.72	31.0	430.8	333.6	304.0	29.66	11.250	
7,400.0	7,294.6	7,329.7	7,102.6	16.3	17.0	-58.53	-47.5	450.3	356.6	327.6	28.96	12.312	
7,500.0	7,326.7	7,420.7	7,126.0	16.6	17.4	-57.24	-134.5	462.4	370.6	341.7	28.94	12.807	
7,600.0	7,336.7	7,513.1	7,133.0	17.1	18.0	-56.78	-226.4	465.9	375.2	345.3	29.90	12.548	
7,700.0	7,336.9	7,613.1	7,132.7	17.7	18.6	-56.71	-326.4	465.8	375.4	344.4	31.05	12.089	
7,800.0	7,337.2	7,713.1	7,132.4	18.6	19.4	-56.64	-426.4	465.6	375.7	343.1	32.58	11.530	
7,900.0	7,337.4	7,813.1	7,132.1	19.6	20.3	-56.57	-526.4	465.4	375.9	341.6	34.36	10.941	
8,000.0	7,337.6	7,913.1	7,131.8	20.7	21.4	-56.50	-626.4	465.2	376.2	339.8	36.35	10.350	
8,100.0	7,337.8	8,013.1	7,131.5	22.0	22.6	-56.44	-726.4	465.0	376.5	337.9	38.51	9.774	
8,200.0	7,338.1	8,113.1	7,131.2	23.3	23.9	-56.37	-826.4	464.8	376.7	335.9	40.83	9.227	
8,300.0	7,338.3	8,213.1	7,130.9	24.7	25.2	-56.30	-926.4	464.6	377.0	333.7	43.27	8.713	
8,400.0	7,338.5	8,313.1	7,130.6	26.2	26.7	-56.23	-1,026.4	464.4	377.2	331.4	45.81	8.235	
8,500.0	7,338.8	8,413.1	7,130.3	27.7	28.2	-56.16	-1,126.4	464.2	377.5	329.1	48.43	7.794	
8,600.0	7,339.0	8,513.1	7,130.1	29.3	29.7	-56.09	-1,226.4	464.0	377.8	326.6	51.13	7.388	
8,700.0	7,339.2	8,613.1	7,129.8	30.9	31.3	-56.03	-1,326.4	463.9	378.0	324.1	53.89	7.014	
8,800.0	7,339.4	8,713.1	7,129.5	32.5	32.9	-55.96	-1,426.4	463.7	378.3	321.6	56.70	6.672	
8,900.0	7,339.7	8,813.1	7,129.2	34.2	34.6	-55.89	-1,526.4	463.5	378.5	319.0	59.55	6.356	
9,000.0	7,339.9	8,913.1	7,128.9	35.9	36.3	-55.82	-1,626.4	463.3	378.8	316.4	62.44	6.067	
9,100.0	7,340.1	9,013.1	7,128.6	37.6	38.0	-55.75	-1,726.4	463.1	379.1	313.7	65.36	5.800	
9,200.0	7,340.3	9,113.1	7,128.3	39.4	39.7	-55.69	-1,826.4	462.9	379.3	311.0	68.31	5.553	
9,300.0	7,340.6	9,213.1	7,128.0	41.1	41.4	-55.62	-1,926.4	462.7	379.6	308.3	71.28	5.326	
9,400.0	7,340.8	9,313.1	7,127.7	42.9	43.2	-55.55	-2,026.4	462.5	379.9	305.6	74.26	5.115	
9,500.0	7,341.0	9,413.1	7,127.4	44.7	45.0	-55.48	-2,126.4	462.3	380.1	302.9	77.27	4.920	
9,600.0	7,341.3	9,513.1	7,127.1	46.5	46.7	-55.42	-2,226.4	462.1	380.4	300.1	80.29	4.738	
9,700.0	7,341.5	9,613.1	7,126.8	48.3	48.5	-55.35	-2,326.4	462.0	380.7	297.4	83.32	4.569	
9,800.0	7,341.7	9,713.1	7,126.5	50.1	50.3	-55.28	-2,426.4	461.8	380.9	294.6	86.36	4.411	
9,900.0	7,341.9	9,813.1	7,126.3	51.9	52.1	-55.22	-2,526.4	461.6	381.2	291.8	89.41	4.264	
10,000.0	7,342.2	9,913.1	7,126.0	53.8	54.0	-55.15	-2,626.4	461.4	381.5	289.0	92.46	4.126	
10,100.0	7,342.4	10,013.1	7,125.7	55.6	55.8	-55.08	-2,726.4	461.2	381.8	286.2	95.53	3.996	
10,200.0	7,342.6	10,113.1	7,125.4	57.4	57.6	-55.02	-2,826.4	461.0	382.0	283.4	98.60	3.875	
10,300.0	7,342.8	10,213.1	7,125.1	59.3	59.5	-54.95	-2,926.4	460.8	382.3	280.6	101.67	3.760	
10,400.0	7,343.1	10,313.1	7,124.8	61.1	61.3	-54.88	-3,026.4	460.6	382.6	277.8	104.75	3.652	
10,500.0	7,343.3	10,413.1	7,124.5	63.0	63.2	-54.82	-3,126.4	460.4	382.8	275.0	107.83	3.551	
10,600.0	7,343.5	10,513.1	7,124.2	64.8	65.0	-54.75	-3,226.4	460.2	383.1	272.2	110.91	3.454	
10,700.0	7,343.7	10,613.1	7,123.9	66.7	66.9	-54.68	-3,326.4	460.1	383.4	269.4	113.99	3.363	
10,800.0	7,344.0	10,713.1	7,123.6	68.6	68.7	-54.62	-3,426.4	459.9	383.7	266.6	117.08	3.277	
10,900.0	7,344.2	10,813.1	7,123.3	70.4	70.6	-54.55	-3,526.4	459.7	383.9	263.8	120.16	3.195	
11,000.0	7,344.4	10,913.1	7,123.0	72.3	72.5	-54.49	-3,626.3	459.5	384.2	261.0	123.25	3.117	
11,100.0	7,344.7	11,013.1	7,122.7	74.2	74.3	-54.42	-3,726.3	459.3	384.5	258.1	126.34	3.043	
11,200.0	7,344.9	11,113.1	7,122.5	76.1	76.2	-54.35	-3,826.3	459.1	384.8	255.3	129.42	2.973	
11,300.0	7,345.1	11,213.1	7,122.2	77.9	78.1	-54.29	-3,926.3	458.9	385.0	252.5	132.51	2.906	
11,400.0	7,345.3	11,313.1	7,121.9	79.8	79.9	-54.22	-4,026.3	458.7	385.3	249.7	135.59	2.842	
11,500.0	7,345.6	11,413.1	7,121.6	81.7	81.8	-54.16	-4,126.3	458.5	385.6	246.9	138.68	2.780	
11,600.0	7,345.8	11,513.1	7,121.3	83.6	83.7	-54.09	-4,226.3	458.4	385.9	244.1	141.76	2.722	
11,700.0	7,346.0	11,613.1	7,121.0	85.5	85.6	-54.03	-4,326.3	458.2	386.1	241.3	144.84	2.666	
11,800.0	7,346.2	11,713.1	7,120.7	87.4	87.5	-53.96	-4,426.3	458.0	386.4	238.5	147.92	2.612	
11,900.0	7,346.5	11,813.0	7,120.4	89.3	89.4	-53.90	-4,526.3	457.8	386.7	235.7	151.00	2.561	
12,000.0	7,346.7	11,913.0	7,120.1	91.1	91.2	-53.83	-4,626.3	457.6	387.0	232.9	154.08	2.512	
12,028.9	7,346.8	11,941.9	7,120.0	91.7	91.8	-53.81	-4,655.2	457.5	387.1	232.1	154.97	2.498	
12,041.9	7,346.7	11,952.8	7,120.0	91.9	92.0	-53.81	-4,666.1	457.5	387.0	231.7	155.35	2.491	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Great Western	Local Co-ordinate Reference:	Well Tailholt FD 11-378HC
Project:	SEC.11-T6N-R67W	TVD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Reference Site:	Tailholt FD Horizontal Pad Sec.11-T6N-R67W	MD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Tailholt FD 11-378HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #3 (10-14-13)	Offset TVD Reference:	Offset Datum

Tailholt FD Horizontal Pad Sec.11-T6N-R67W - Tailholt FD 11-379HN - Wellbore #1 - Plan #3 (10-14-13)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-89.80	0.1	-20.0	20.0				
100.0	100.0	100.0	100.0	0.1	0.1	-89.80	0.1	-20.0	20.0	19.8	0.22	89.077	
200.0	200.0	200.0	200.0	0.3	0.3	-89.80	0.1	-20.0	20.0	19.3	0.67	29.692	
300.0	300.0	300.0	300.0	0.6	0.6	-89.80	0.1	-20.0	20.0	18.9	1.12	17.815	
400.0	400.0	400.0	400.0	0.8	0.8	-89.80	0.1	-20.0	20.0	18.4	1.57	12.725	
500.0	500.0	500.0	500.0	1.0	1.0	-89.80	0.1	-20.0	20.0	18.0	2.02	9.897	
600.0	600.0	600.0	600.0	1.2	1.2	-89.80	0.1	-20.0	20.0	17.5	2.47	8.098	
700.0	700.0	700.0	700.0	1.5	1.5	-89.80	0.1	-20.0	20.0	17.1	2.92	6.852	
800.0	800.0	800.0	800.0	1.7	1.7	-89.80	0.1	-20.0	20.0	16.7	3.37	5.938	
833.0	833.0	833.0	833.0	1.8	1.8	-90.08	0.1	-20.0	20.0	16.5	3.52	5.688	CC
900.0	900.0	900.0	900.0	1.9	1.9	-92.30	0.1	-20.0	20.0	16.2	3.82	5.245	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-99.69	0.1	-20.0	20.3	16.0	4.27	4.758	ES
1,100.0	1,099.9	1,099.9	1,099.9	2.4	2.4	-111.22	0.1	-20.0	21.5	16.8	4.72	4.552	
1,200.0	1,199.8	1,199.8	1,199.8	2.6	2.6	-152.50	0.1	-20.0	24.8	19.7	5.15	4.823	
1,300.0	1,299.7	1,299.7	1,299.7	2.8	2.8	-156.55	0.1	-20.0	28.8	23.2	5.59	5.150	
1,400.0	1,399.6	1,399.6	1,399.6	3.0	3.0	-159.60	0.1	-20.0	32.9	26.9	6.04	5.446	
1,500.0	1,499.5	1,499.5	1,499.5	3.2	3.3	-161.98	0.1	-20.0	37.1	30.6	6.49	5.712	
1,600.0	1,599.4	1,599.4	1,599.4	3.5	3.5	-163.87	0.1	-20.0	41.3	34.3	6.94	5.951	
1,700.0	1,699.3	1,699.3	1,699.3	3.7	3.7	-165.41	0.1	-20.0	45.5	38.1	7.38	6.165	
1,800.0	1,799.2	1,799.2	1,799.2	3.9	3.9	-166.69	0.1	-20.0	49.8	42.0	7.83	6.358	
1,900.0	1,899.1	1,899.1	1,899.1	4.2	4.2	-167.76	0.1	-20.0	54.1	45.8	8.28	6.532	
2,000.0	1,999.0	1,999.0	1,999.0	4.4	4.4	-168.68	0.1	-20.0	58.4	49.7	8.73	6.690	
2,100.0	2,098.9	2,098.9	2,098.9	4.6	4.6	-169.47	0.1	-20.0	62.7	53.6	9.18	6.834	
2,200.0	2,198.8	2,198.8	2,198.8	4.9	4.8	-170.16	0.1	-20.0	67.1	57.4	9.63	6.966	
2,300.0	2,298.7	2,298.7	2,298.7	5.1	5.1	-170.76	0.1	-20.0	71.4	61.3	10.08	7.086	
2,400.0	2,398.6	2,398.6	2,398.6	5.3	5.3	-171.30	0.1	-20.0	75.8	65.2	10.53	7.197	
2,500.0	2,498.5	2,498.5	2,498.5	5.6	5.5	-171.77	0.1	-20.0	80.1	69.2	10.98	7.299	
2,600.0	2,598.4	2,598.4	2,598.4	5.8	5.7	-172.20	0.1	-20.0	84.5	73.1	11.43	7.393	
2,700.0	2,698.3	2,698.3	2,698.3	6.0	6.0	-172.59	0.1	-20.0	88.9	77.0	11.88	7.481	
2,800.0	2,798.2	2,798.2	2,798.2	6.3	6.2	-172.94	0.1	-20.0	93.2	80.9	12.33	7.562	
2,900.0	2,898.1	2,898.1	2,898.1	6.5	6.4	-173.25	0.1	-20.0	97.6	84.8	12.78	7.638	
3,000.0	2,998.0	2,998.0	2,998.0	6.7	6.6	-173.55	0.1	-20.0	102.0	88.8	13.23	7.709	
3,100.0	3,097.9	3,097.9	3,097.9	7.0	6.9	-173.81	0.1	-20.0	106.4	92.7	13.68	7.776	
3,200.0	3,197.8	3,197.8	3,197.8	7.2	7.1	-174.06	0.1	-20.0	110.8	96.6	14.13	7.838	
3,300.0	3,297.7	3,297.7	3,297.7	7.5	7.3	-174.28	0.1	-20.0	115.1	100.6	14.58	7.896	
3,400.0	3,397.6	3,397.6	3,397.6	7.7	7.5	-174.50	0.1	-20.0	119.5	104.5	15.03	7.951	
3,500.0	3,497.5	3,497.5	3,497.5	7.9	7.7	-174.69	0.1	-20.0	123.9	108.4	15.48	8.003	
3,600.0	3,597.4	3,597.4	3,597.4	8.2	8.0	-174.87	0.1	-20.0	128.3	112.4	15.93	8.052	
3,700.0	3,697.3	3,697.3	3,697.3	8.4	8.2	-175.04	0.1	-20.0	132.7	116.3	16.38	8.099	
3,800.0	3,797.2	3,797.2	3,797.2	8.6	8.4	-175.20	0.1	-20.0	137.1	120.2	16.83	8.143	
3,900.0	3,897.1	3,897.1	3,897.1	8.9	8.6	-175.35	0.1	-20.0	141.5	124.2	17.28	8.185	
4,000.0	3,997.0	3,997.0	3,997.0	9.1	8.9	-175.49	0.1	-20.0	145.9	128.1	17.74	8.224	
4,100.0	4,096.9	4,096.9	4,096.9	9.3	9.1	-175.62	0.1	-20.0	150.3	132.1	18.19	8.262	
4,200.0	4,196.8	4,196.8	4,196.8	9.6	9.3	-175.75	0.1	-20.0	154.7	136.0	18.64	8.298	
4,300.0	4,296.7	4,296.7	4,296.7	9.8	9.5	-175.87	0.1	-20.0	159.0	140.0	19.09	8.332	
4,400.0	4,396.6	4,396.6	4,396.6	10.1	9.8	-175.98	0.1	-20.0	163.4	143.9	19.54	8.365	
4,500.0	4,496.6	4,496.6	4,496.6	10.3	10.0	-176.08	0.1	-20.0	167.8	147.8	19.99	8.396	
4,600.0	4,596.5	4,596.5	4,596.5	10.5	10.2	-176.18	0.1	-20.0	172.2	151.8	20.44	8.426	
4,700.0	4,696.4	4,696.4	4,696.4	10.8	10.4	-176.28	0.1	-20.0	176.6	155.7	20.89	8.455	
4,800.0	4,796.3	4,796.3	4,796.3	11.0	10.7	-176.37	0.1	-20.0	181.0	159.7	21.34	8.482	
4,900.0	4,896.2	4,896.2	4,896.2	11.2	10.9	-176.45	0.1	-20.0	185.4	163.6	21.79	8.508	
5,000.0	4,996.1	4,996.1	4,996.1	11.5	11.1	-176.54	0.1	-20.0	189.8	167.6	22.24	8.534	

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Company:	Great Western	Local Co-ordinate Reference:	Well Tailholt FD 11-378HC
Project:	SEC.11-T6N-R67W	TVD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Reference Site:	Tailholt FD Horizontal Pad Sec.11-T6N-R67W	MD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Tailholt FD 11-378HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #3 (10-14-13)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,100.0	5,096.0	5,102.3	5,102.3	11.7	11.4	-175.98	2.7	-20.7	192.6	169.9	22.71	8.483	
5,200.0	5,195.9	5,208.5	5,208.1	11.9	11.6	-174.04	11.1	-22.9	192.2	169.0	23.17	8.293	
5,300.0	5,295.8	5,312.4	5,311.0	12.2	11.8	-170.74	24.6	-26.3	189.0	165.3	23.64	7.994	
5,400.0	5,395.7	5,411.6	5,409.1	12.4	12.1	-167.08	39.0	-30.0	185.6	161.5	24.10	7.703	
5,500.0	5,495.6	5,510.8	5,507.2	12.7	12.3	-163.30	53.4	-33.8	183.0	158.5	24.56	7.452	
5,600.0	5,595.5	5,610.1	5,605.3	12.9	12.5	-159.43	67.8	-37.5	181.3	156.3	25.04	7.240	
5,700.0	5,695.4	5,709.3	5,703.4	13.1	12.8	-155.50	82.2	-41.2	180.4	154.9	25.53	7.068	
5,751.1	5,746.5	5,760.0	5,753.6	13.2	12.9	-153.49	89.5	-43.1	180.3	154.5	25.78	6.994	
5,800.0	5,795.3	5,808.5	5,801.5	13.4	13.0	-151.56	96.6	-44.9	180.4	154.4	26.03	6.933	
5,900.0	5,895.2	5,907.7	5,899.6	13.6	13.3	-147.64	110.9	-48.6	181.3	154.8	26.53	6.833	
6,000.0	5,995.1	6,006.9	5,997.7	13.8	13.5	-143.77	125.3	-52.3	183.0	156.0	27.04	6.767	
6,100.0	6,095.0	6,106.1	6,095.8	14.1	13.8	-139.99	139.7	-56.0	185.5	158.0	27.56	6.732	
6,200.0	6,194.9	6,205.3	6,193.9	14.3	14.0	-136.32	154.1	-59.7	188.9	160.8	28.08	6.726	
6,300.0	6,294.8	6,304.6	6,292.0	14.5	14.3	-132.79	168.5	-63.4	193.0	164.4	28.60	6.747	
6,400.0	6,394.7	6,403.8	6,390.1	14.8	14.6	-129.42	182.9	-67.1	197.8	168.6	29.12	6.790	
6,500.0	6,494.6	6,503.0	6,488.2	15.0	14.9	-126.22	197.3	-70.8	203.2	173.6	29.65	6.855	
6,600.0	6,594.5	6,602.2	6,586.3	15.3	15.1	-123.19	211.7	-74.5	209.3	179.1	30.17	6.937	
6,700.0	6,694.4	6,702.3	6,685.3	15.5	15.4	-120.61	225.1	-78.3	215.8	185.2	30.67	7.038	
6,800.0	6,794.3	6,803.8	6,786.5	15.7	15.6	-122.71	221.0	-82.1	221.8	190.8	31.04	7.146	
6,900.0	6,894.2	6,897.1	6,876.4	16.0	15.6	-176.10	197.0	-85.6	229.4	198.2	31.29	7.332	
7,000.0	6,993.4	6,982.4	6,952.5	16.1	15.6	81.88	158.9	-88.6	241.8	210.5	31.36	7.712	
7,100.0	7,087.6	7,063.3	7,016.7	16.2	15.7	71.59	109.8	-91.2	256.9	225.8	31.14	8.251	
7,200.0	7,171.9	7,141.1	7,068.9	16.2	15.7	64.91	52.4	-93.3	272.3	241.7	30.53	8.919	
7,300.0	7,242.1	7,216.6	7,109.2	16.2	15.7	60.20	-11.3	-95.0	286.1	256.4	29.63	9.655	
7,400.0	7,294.6	7,290.5	7,137.6	16.3	15.9	57.02	-79.5	-96.2	296.9	268.1	28.76	10.323	
7,500.0	7,326.7	7,363.5	7,154.1	16.6	16.1	55.15	-150.5	-97.0	303.9	275.5	28.34	10.722	
7,600.0	7,336.7	7,437.5	7,158.6	17.1	16.5	54.48	-224.3	-97.3	306.5	277.8	28.72	10.670	
7,700.0	7,336.9	7,537.5	7,157.7	17.7	17.2	54.30	-324.3	-97.5	307.2	277.4	29.80	10.307	
7,800.0	7,337.2	7,637.5	7,156.8	18.6	18.1	54.13	-424.3	-97.7	307.9	276.7	31.17	9.876	
7,900.0	7,337.4	7,737.5	7,155.8	19.6	19.1	53.95	-524.3	-97.9	308.6	275.8	32.80	9.408	
8,000.0	7,337.6	7,837.5	7,154.9	20.7	20.2	53.78	-624.3	-98.0	309.3	274.6	34.64	8.929	
8,100.0	7,337.8	7,937.5	7,153.9	22.0	21.5	53.61	-724.2	-98.2	310.0	273.3	36.65	8.457	
8,200.0	7,338.1	8,037.5	7,153.0	23.3	22.8	53.44	-824.2	-98.4	310.7	271.9	38.82	8.004	
8,300.0	7,338.3	8,137.5	7,152.0	24.7	24.2	53.27	-924.2	-98.6	311.4	270.3	41.11	7.576	
8,400.0	7,338.5	8,237.5	7,151.1	26.2	25.7	53.09	-1,024.2	-98.7	312.1	268.6	43.49	7.176	
8,500.0	7,338.8	8,337.5	7,150.2	27.7	27.3	52.93	-1,124.2	-98.9	312.8	266.9	45.96	6.806	
8,600.0	7,339.0	8,437.5	7,149.2	29.3	28.8	52.76	-1,224.2	-99.1	313.6	265.1	48.50	6.465	
8,700.0	7,339.2	8,537.5	7,148.3	30.9	30.5	52.59	-1,324.2	-99.3	314.3	263.2	51.09	6.151	
8,800.0	7,339.4	8,637.4	7,147.3	32.5	32.1	52.42	-1,424.2	-99.4	315.0	261.3	53.73	5.863	
8,900.0	7,339.7	8,737.4	7,146.4	34.2	33.8	52.26	-1,524.2	-99.6	315.8	259.3	56.41	5.598	
9,000.0	7,339.9	8,837.4	7,145.4	35.9	35.5	52.09	-1,624.1	-99.8	316.5	257.4	59.12	5.354	
9,100.0	7,340.1	8,937.4	7,144.5	37.6	37.3	51.93	-1,724.1	-100.0	317.2	255.4	61.85	5.129	
9,200.0	7,340.3	9,037.4	7,143.6	39.4	39.0	51.76	-1,824.1	-100.1	318.0	253.4	64.60	4.922	
9,300.0	7,340.6	9,137.4	7,142.6	41.1	40.8	51.60	-1,924.1	-100.3	318.7	251.3	67.37	4.731	
9,400.0	7,340.8	9,237.4	7,141.7	42.9	42.6	51.44	-2,024.1	-100.5	319.4	249.3	70.15	4.554	
9,500.0	7,341.0	9,337.4	7,140.7	44.7	44.4	51.27	-2,124.1	-100.7	320.2	247.2	72.94	4.390	
9,600.0	7,341.3	9,437.4	7,139.8	46.5	46.2	51.11	-2,224.1	-100.8	320.9	245.2	75.74	4.237	
9,700.0	7,341.5	9,537.4	7,138.8	48.3	48.0	50.95	-2,324.1	-101.0	321.7	243.1	78.54	4.096	
9,800.0	7,341.7	9,637.4	7,137.9	50.1	49.8	50.79	-2,424.1	-101.2	322.4	241.1	81.35	3.963	
9,900.0	7,341.9	9,737.4	7,136.9	51.9	51.6	50.63	-2,524.0	-101.4	323.2	239.0	84.16	3.840	
10,000.0	7,342.2	9,837.4	7,136.0	53.8	53.4	50.48	-2,624.0	-101.5	323.9	237.0	86.98	3.725	
10,100.0	7,342.4	9,937.4	7,135.1	55.6	55.3	50.32	-2,724.0	-101.7	324.7	234.9	89.79	3.616	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Great Western	Local Co-ordinate Reference:	Well Tailholt FD 11-378HC
Project:	SEC.11-T6N-R67W	TVD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Reference Site:	Tailholt FD Horizontal Pad Sec.11-T6N-R67W	MD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Tailholt FD 11-378HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #3 (10-14-13)	Offset TVD Reference:	Offset Datum

Offset Design Tailholt FD Horizontal Pad Sec.11-T6N-R67W - Tailholt FD 11-379HN - Wellbore #1 - Plan #3 (10-14-13)													Offset Site Error: 0.0 ft
Survey Program: 0-MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
10,200.0	7,342.6	10,037.4	7,134.1	57.4	57.1	50.16	-2,824.0	-101.9	325.5	232.9	92.60	3.515	
10,300.0	7,342.8	10,137.3	7,133.2	59.3	59.0	50.01	-2,924.0	-102.1	326.2	230.8	95.41	3.419	
10,400.0	7,343.1	10,237.3	7,132.2	61.1	60.8	49.85	-3,024.0	-102.2	327.0	228.8	98.22	3.329	
10,500.0	7,343.3	10,337.3	7,131.3	63.0	62.7	49.70	-3,124.0	-102.4	327.8	226.8	101.02	3.245	
10,600.0	7,343.5	10,437.3	7,130.3	64.8	64.6	49.54	-3,224.0	-102.6	328.5	224.7	103.82	3.165	
10,700.0	7,343.7	10,537.3	7,129.4	66.7	66.4	49.39	-3,323.9	-102.8	329.3	222.7	106.61	3.089	
10,800.0	7,344.0	10,637.3	7,128.5	68.6	68.3	49.24	-3,423.9	-102.9	330.1	220.7	109.40	3.017	
10,900.0	7,344.2	10,737.3	7,127.5	70.4	70.2	49.09	-3,523.9	-103.1	330.9	218.7	112.19	2.949	
11,000.0	7,344.4	10,837.3	7,126.6	72.3	72.0	48.94	-3,623.9	-103.3	331.7	216.7	114.97	2.885	
11,100.0	7,344.7	10,937.3	7,125.6	74.2	73.9	48.79	-3,723.9	-103.5	332.4	214.7	117.74	2.823	
11,200.0	7,344.9	11,037.3	7,124.7	76.1	75.8	48.64	-3,823.9	-103.6	333.2	212.7	120.51	2.765	
11,300.0	7,345.1	11,137.3	7,123.7	77.9	77.7	48.49	-3,923.9	-103.8	334.0	210.7	123.27	2.710	
11,400.0	7,345.3	11,237.3	7,122.8	79.8	79.6	48.34	-4,023.9	-104.0	334.8	208.8	126.02	2.657	
11,500.0	7,345.6	11,337.3	7,121.9	81.7	81.4	48.19	-4,123.9	-104.2	335.6	206.8	128.77	2.606	
11,600.0	7,345.8	11,437.3	7,120.9	83.6	83.3	48.05	-4,223.8	-104.3	336.4	204.9	131.51	2.558	
11,700.0	7,346.0	11,537.3	7,120.0	85.5	85.2	47.90	-4,323.8	-104.5	337.2	202.9	134.24	2.512	
11,800.0	7,346.2	11,637.2	7,119.0	87.4	87.1	47.76	-4,423.8	-104.7	338.0	201.0	136.97	2.468	
11,900.0	7,346.5	11,737.2	7,118.1	89.3	89.0	47.61	-4,523.8	-104.9	338.8	199.1	139.69	2.425	
12,000.0	7,346.7	11,837.2	7,117.1	91.1	90.9	47.47	-4,623.8	-105.0	339.6	197.2	142.40	2.385	
12,041.9	7,346.7	11,879.1	7,116.7	91.9	91.7	47.43	-4,665.7	-105.1	339.9	196.3	143.56	2.368 SF	

Company:	Great Western	Local Co-ordinate Reference:	Well Tailholt FD 11-378HC
Project:	SEC.11-T6N-R67W	TVD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Reference Site:	Tailholt FD Horizontal Pad Sec.11-T6N-R67W	MD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Tailholt FD 11-378HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #3 (10-14-13)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4890.7ft (RKB - 16.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Tailholt FD 11-378HC
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.41°



Company:	Great Western	Local Co-ordinate Reference:	Well Tailholt FD 11-378HC
Project:	SEC.11-T6N-R67W	TVD Reference:	WELL @ 4890.7ft (RKB - 16.5')
Reference Site:	Tailholt FD Horizontal Pad Sec.11-T6N-R67W	MD Reference:	WELL @ 4890.7ft (RKB - 16.5')
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