

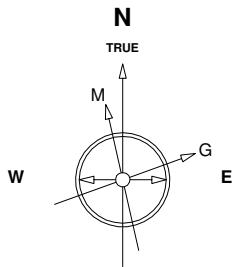
# Great Western Operating Company, LLC

**Location** Colorado  
**Field** Wattenburg  
**Installation** Raindance

**Slot** Slot W-05 - Raindance FD 20-239HC  
**Well** Raindance FD 20-239HC  
**Wellbore** Raindance FD 20-239HC (PWB)

Created by admin  
Date plotted 17-Nov-2016

Plot reference is Raindance FD 20-239HC (PWB).  
Ref wellpath is Raindance FD 20-239HC (PWP#1).  
Coordinates are in Feet reference Slot W-05 - Raindance FD 20-239HC.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 4809.00 ft.  
Plot North is aligned to TRUE North.



14-Nov-2016  
IGRF Model [1900.0-2020.0] Dip: -29.88 deg Field: 32206.0 nT  
Lat: S0 0 0.0000 Long: E3 0 0.0000 Elev: 4789.00 ft  
Magnetic North is 4.17 deg West of TRUE North  
To correct azimuth from Magnetic to TRUE subtract 4.17 deg

Scale 1 cm = 250 ft

East (Feet) ->

-1000 -500 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500

BHL - 12,872 / 71345 MD/TVD, 2147.65 FSL, 470 FEL Sec 20

TPZ - 8191 / 7134 MD/TVD, 2104.72 FSL, 75 FWL Sec 20

S/2 Sec 19, T6N, R67W

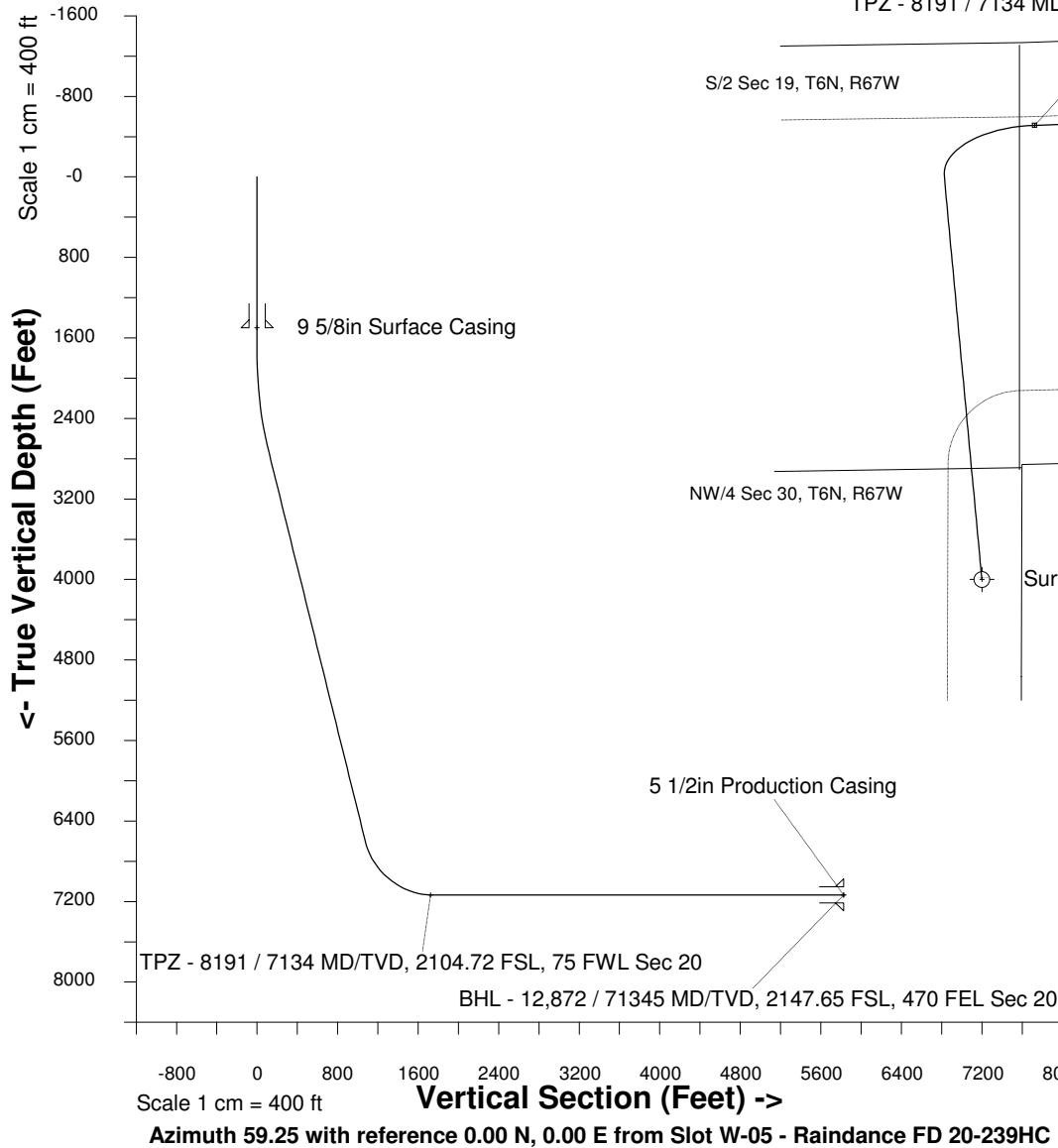
S/2 Sec 20, T6N, R67W

NW/4 Sec 30, T6N, R67W

Surface 0.00 N 0.00 E

<- North(Feet)

Scale 1 cm = 250 ft



## WELL PROFILE DATA

| Point                   | MD       | Inc   | Azi    | TVD     | North     | East      | deg/100ft | V. Sect |
|-------------------------|----------|-------|--------|---------|-----------|-----------|-----------|---------|
| Tie on                  | 0.00     | 0.00  | 0.00   | 0.00    | S 0.00    | W 0.00    |           | 0.00    |
| KOP                     | 1750.00  | 0.00  | 354.67 | 1750.00 | S 0.00    | W 0.00    | 0.00      | 0.00    |
| End of Build            | 2749.92  | 30.00 | 354.67 | 2704.86 | N 254.73  | W 23.76   | 9.84      | 109.81  |
| End of Hold             | 7273.96  | 30.00 | 354.67 | 6622.89 | N 2506.80 | W 233.83  | 0.00      | 1080.68 |
| Target TPZ - ...Sec 20  | 8190.91  | 90.00 | 88.06  | 7134.00 | N 2820.54 | E 328.59  | 32.81     | 1724.44 |
| T.D. & Target BHL... 20 | 12872.27 | 90.00 | 88.06  | 7134.00 | N 2978.80 | E 5007.28 | 0.00      | 5826.32 |

## SYSDRILL

Ellipse separations are reported ONLY if BOTH wells have uncertainty data  
Only Depth and Magnetic Reference Field error terms are correlated across tie points  
Scan limit is calculated on CENTRE to CENTRE distance

Summary data uses Closest Approach clearance calculation for all minima  
Hole size/Casings ARE included  
Hole size/Casings are NOT subtracted from Centre-Centre distance  
Confidence limit of 95.00% / 2.80 SD.

## Wellbore

|              |                             |
|--------------|-----------------------------|
| Name         | Raindance FD 20-239HC (PWB) |
| Created      | 15-Nov-2016                 |
| Last Revised | 15-Nov-2016                 |

## Well

|               |                       |
|---------------|-----------------------|
| Name          | Raindance FD 20-239HC |
| Government ID |                       |
| Last Revised  | 15-Nov-2016           |

## Slot

|               |                                   |
|---------------|-----------------------------------|
| Name          | Slot W-05 - Raindance FD 20-239HC |
| Grid Northing | 1412039.963                       |
| Grid Easting  | 3159339.543                       |
| Latitude      | N40 27 46.9404                    |
| Longitude     | W104 55 38.4600                   |
| North         | 25561840.770                      |
| East          | -18483125.370                     |

## Installation

|                 |              |
|-----------------|--------------|
| Name            | Raindance    |
| Easting         | 41136929.757 |
| Northing        | 12284170.646 |
| Map Name        | <unknown>    |
| North Alignment | True         |

## Field

|                 |              |
|-----------------|--------------|
| Name            | Wattenburg   |
| Easting         | 41136929.757 |
| Northing        | 12284170.646 |
| Map Name        | <unknown>    |
| North Alignment | Grid         |

## Clearance Summary

| Offset WellName        | Offset Wellbore              | Offset Slot                        | Offset Structure | Separation [ft] | MD[ft]    | Diverging From[ft] | Ellipse Separation [ft] | Ellipse MD[ft] | Clearance Factor | Clearance MD[ft] |
|------------------------|------------------------------|------------------------------------|------------------|-----------------|-----------|--------------------|-------------------------|----------------|------------------|------------------|
| Raindance FD 20-242HNX | Raindance FD 20-242HNX (PWB) | Slot W-06 - Raindance FD 20-242HNX | Raindance        | 0.410           | 7051.510  | 7051.510           | -39.810                 | 7037.400       | 0.020            | 7053.810         |
| Raindance FD 20-239HN  | Raindance FD 20-239HN (PWB)  | Slot W-04 - Raindance FD 20-239HN  | Raindance        | 9.610           | 1490.000  | 8192.590           | 6.250                   | 1492.780       | 2.850            | 1500.000         |
| Raindance FC 23-249HN  | Raindance FC 23-249HN (PWB)  | Slot E-05 - Raindance FC 23-249HN  | Raindance        | 16.720          | 1706.040  | 7630.000           | 13.390                  | 1722.440       | 2.840            | 7627.950         |
| Raindance FC 23-232HN  | Raindance FC 23-232HN (PWB)  | Slot E-04 - Raindance FC 23-232HN  | Raindance        | 18.070          | 7810.560  | 7810.560           | -1.750                  | 7810.560       | 0.910            | 7810.560         |
| Raindance FD 20-202HN  | Raindance FD 20-202HN (PWB)  | Slot W-03 - Raindance FD 20-202HN  | Raindance        | 19.500          | 959.000   | 12872.270          | 16.990                  | 959.000        | 4.640            | 12872.270        |
| Raindance FC 23-272HC  | Raindance FC 23-272HC (PWB)  | Slot E-06 - Raindance FC 23-272HC  | Raindance        | 20.130          | 1750.000  | 7775.590           | 16.730                  | 1755.250       | 5.890            | 1771.650         |
| Raindance FD 20-242HN  | Raindance FD 20-242HN (PWB)  | Slot W-07 - Raindance FD 20-242HN  | Raindance        | 20.820          | 1750.000  | 7173.520           | 17.420                  | 1755.250       | 3.640            | 12860.890        |
| Raindance FC 23-232HNX | Raindance FC 23-232HNX (PWB) | Slot E-03 - Raindance FC 23-232HNX | Raindance        | 26.040          | 1248.000  | 7613.470           | 23.060                  | 1248.000       | 8.390            | 7613.470         |
| Raindance FC 23-289HNX | Raindance FC 23-289HNX (PWB) | Slot E-07 - Raindance FC 23-289HNX | Raindance        | 26.920          | 1750.000  | 7316.780           | 23.520                  | 1755.250       | 7.870            | 1771.650         |
| Raindance FD 20-202HNX | Raindance FD 20-202HNX (PWB) | Slot W-02 - Raindance FD 20-202HNX | Raindance        | 29.400          | 600.000   | 12872.270          | 27.470                  | 600.000        | 7.130            | 12872.270        |
| Raindance FD 20-282HN  | Raindance FD 20-282HN (PWB)  | Slot W-08 - Raindance FD 20-282HN  | Raindance        | 30.730          | 1750.000  | 7021.640           | 27.320                  | 1755.250       | 6.890            | 12844.490        |
| Raindance FC 23-209HC  | Raindance FC 23-209HC (PWB)  | Slot E-02 - Raindance FC 23-209HC  | Raindance        | 34.280          | 985.000   | 8464.570           | 31.730                  | 985.000        | 9.450            | 8727.030         |
| Raindance FC 23-289HN  | Raindance FC 23-289HN (PWB)  | Slot E-08 - Raindance FC 23-289HN  | Raindance        | 34.930          | 1750.000  | 7440.450           | 31.530                  | 1755.250       | 10.200           | 1788.060         |
| Raindance FD 20-282HC  | Raindance FD 20-282HC (PWB)  | Slot W-09 - Raindance FD 20-282HC  | Raindance        | 40.320          | 1750.000  | 7135.830           | 36.920                  | 1755.250       | 7.250            | 12844.490        |
| Raindance FC 23-209HN  | Raindance FC 23-209HN (PWB)  | Slot E-01 - Raindance FC 23-209HN  | Raindance        | 42.630          | 645.000   | 8339.400           | 40.630                  | 645.000        | 15.280           | 8874.670         |
| Raindance FC 23-312HN  | Raindance FC 23-312HN (PWB)  | Slot E-09 - Raindance FC 23-312HN  | Raindance        | 43.730          | 1750.000  | 7239.950           | 40.320                  | 1755.250       | 12.740           | 1788.060         |
| Raindance FD 20-319HNX | Raindance FD 20-319HNX (PWB) | Slot W-10 - Raindance FD 20-319HNX | Raindance        | 50.220          | 1750.000  | 6774.930           | 46.820                  | 1755.250       | 11.490           | 12844.490        |
| Raindance FC 23-312HC  | Raindance FC 23-312HC (PWB)  | Slot E-10 - Raindance FC 23-312HC  | Raindance        | 52.910          | 1750.000  | 7352.540           | 49.510                  | 1755.250       | 15.380           | 1800.000         |
| Raindance FD 20-319HN  | Raindance FD 20-319HN (PWB)  | Slot W-11 - Raindance FD 20-319HN  | Raindance        | 60.120          | 1750.000  | 6900.000           | 56.720                  | 1755.250       | 11.580           | 12844.490        |
| Raindance FC 23-329HNX | Raindance FC 23-329HNX (PWB) | Slot E-11 - Raindance FC 23-329HNX | Raindance        | 62.960          | 1750.000  | 6944.280           | 59.560                  | 1755.250       | 18.260           | 1804.460         |
| Raindance FD 20-322HN  | Raindance FD 20-322HN (PWB)  | Slot W-12 - Raindance FD 20-322HN  | Raindance        | 70.940          | 1750.000  | 6713.900           | 67.540                  | 1755.250       | 14.800           | 12828.080        |
| Raindance FC 23-352HN  | Raindance FC 23-352HN (PWB)  | Slot E-12 - Raindance FC 23-352HN  | Raindance        | 72.470          | 1750.000  | 7070.210           | 69.060                  | 1755.250       | 20.980           | 1820.870         |
| Raindance FD 20-359HC  | Raindance FD 20-359HC (PWB)  | Slot W-13 - Raindance FD 20-359HC  | Raindance        | 80.640          | 1750.000  | 6824.150           | 77.230                  | 1755.250       | 15.530           | 12828.080        |
| Raindance FC 23-369HN  | Raindance FC 23-369HN (PWB)  | Slot E-13 - Raindance FC 23-369HN  | Raindance        | 82.070          | 1750.000  | 6866.750           | 78.660                  | 1755.250       | 23.700           | 1820.870         |
| Raindance FD 20-362HNX | Raindance FD 20-362HNX (PWB) | Slot W-14 - Raindance FD 20-362HNX | Raindance        | 90.440          | 1750.000  | 6479.660           | 87.030                  | 1755.250       | 18.450           | 12828.080        |
| Raindance FC 23-369HC  | Raindance FC 23-369HC (PWB)  | Slot E-14 - Raindance FC 23-369HC  | Raindance        | 91.730          | 1750.000  | 6982.490           | 88.350                  | 1500.000       | 27.150           | 1500.000         |
| Raindance FD 20-362HN  | Raindance FD 20-362HN (PWB)  | Slot W-15 - Raindance FD 20-362HN  | Raindance        | 100.340         | 1750.000  | 6614.440           | 96.940                  | 1755.250       | 18.370           | 12828.080        |
| Raindance FC 23-392HNX | Raindance FC 23-392HNX (PWB) | Slot E-15 - Raindance FC 23-392HNX | Raindance        | 101.270         | 1750.000  | 6571.060           | 97.860                  | 1755.250       | 29.120           | 1837.270         |
| Raindance FD 20-399HC  | Raindance FD 20-399HC (PWB)  | Slot W-16 - Raindance FD 20-399HC  | Raindance        | 110.240         | 1750.000  | 1750.000           | 106.840                 | 1755.250       | 22.210           | 12828.080        |
| Raindance FC 26-009HN  | Raindance FC 26-009HN (PWB)  | Slot E-16 - Raindance FC 26-009HN  | Raindance        | 112.070         | 1750.000  | 6700.000           | 108.660                 | 1755.250       | 32.150           | 1853.670         |
| Raindance FC 26-169HN  | Raindance FC 26-169HN (PWB)  | Slot W-17 - Raindance FC 26-169HN  | Raindance        | 120.520         | 1750.000  | 1750.000           | 117.110                 | 1755.250       | 34.460           | 1870.080         |
| Raindance FC 26-032HN  | Raindance FC 26-032HN (PWB)  | Slot E-17 - Raindance FC 26-032HN  | Raindance        | 121.820         | 1750.000  | 6545.510           | 118.420                 | 1755.250       | 34.880           | 1870.080         |
| Raindance FC 26-169HNX | Raindance FC 26-169HNX (PWB) | Slot W-18 - Raindance FC 26-169HNX | Raindance        | 130.420         | 1750.000  | 1750.000           | 127.010                 | 1755.250       | 37.210           | 1870.080         |
| Raindance FC 26-032HC  | Raindance FC 26-032HC (PWB)  | Slot E-18 - Raindance FC 26-032HC  | Raindance        | 131.600         | 1750.000  | 6663.070           | 128.200                 | 1755.250       | 37.590           | 1870.080         |
| Raindance FC 26-192HC  | Raindance FC 26-192HC (PWB)  | Slot W-19 - Raindance FC 26-192HC  | Raindance        | 140.320         | 1750.000  | 1750.000           | 136.920                 | 1755.250       | 39.950           | 1886.480         |
| Raindance FC 26-049HN  | Raindance FC 26-049HN (PWB)  | Slot E-19 - Raindance FC 26-049HN  | Raindance        | 141.190         | 1750.000  | 1750.000           | 137.780                 | 1755.250       | 40.260           | 1886.480         |
| Raindance FC 26-209HN  | Raindance FC 26-209HN (PWB)  | Slot W-20 - Raindance FC 26-209HN  | Raindance        | 150.220         | 1750.000  | 1750.000           | 146.820                 | 1755.250       | 42.690           | 1886.480         |
| Raindance FC 26-072HNX | Raindance FC 26-072HNX (PWB) | Slot E-20 - Raindance FC 26-072HNX | Raindance        | 150.990         | 1750.000  | 1750.000           | 147.590                 | 1755.250       | 42.960           | 1886.480         |
| Raindance FC 26-232HN  | Raindance FC 26-232HN (PWB)  | Slot W-21 - Raindance FC 26-232HN  | Raindance        | 159.820         | 1750.000  | 1750.000           | 156.410                 | 1755.250       | 45.320           | 1902.890         |
| Raindance FC 26-089HC  | Raindance FC 26-089HC (PWB)  | Slot E-21 - Raindance FC 26-089HC  | Raindance        | 161.860         | 1750.000  | 1750.000           | 158.450                 | 1755.250       | 45.950           | 1902.890         |
| Raindance FC 26-232HNX | Raindance FC 26-232HNX (PWB) | Slot W-22 - Raindance FC 26-232HNX | Raindance        | 169.720         | 1750.000  | 1750.000           | 166.320                 | 1755.250       | 48.020           | 1919.290         |
| Raindance FC 26-089HN  | Raindance FC 26-089HN (PWB)  | Slot E-22 - Raindance FC 26-089HN  | Raindance        | 171.600         | 1750.000  | 1750.000           | 168.200                 | 1755.250       | 48.610           | 1919.290         |
| Raindance FC 26-249HC  | Raindance FC 26-249HC (PWB)  | Slot W-23 - Raindance FC 26-249HC  | Raindance        | 180.640         | 1750.000  | 1750.000           | 177.230                 | 1755.250       | 50.990           | 1919.290         |
| Raindance FC 26-112HN  | Raindance FC 26-112HN (PWB)  | Slot E-23 - Raindance FC 26-112HN  | Raindance        | 181.280         | 1750.000  | 8874.670           | 177.880                 | 1755.250       | 51.240           | 1919.290         |
| Raindance FC 26-272HN  | Raindance FC 26-272HN (PWB)  | Slot W-24 - Raindance FC 26-272HN  | Raindance        | 190.540         | 1750.000  | 1750.000           | 187.140                 | 1755.250       | 53.660           | 1935.700         |
| Raindance FC 26-112HNX | Raindance FC 26-112HNX (PWB) | Slot E-24 - Raindance FC 26-112HNX | Raindance        | 191.040         | 1750.000  | 8858.270           | 187.630                 | 1755.250       | 53.890           | 1935.700         |
| GWOGCO - H-Y 20-23     | GWOGCO - H-Y 20-23 (AWB)     | ZZ-GWOGCO - H-Y 20-23              | Raindance        | 198.780         | 10062.200 | 10062.200          | 165.770                 | 10039.370      | 5.010            | 9957.350         |
| Raindance FC 26-289HN  | Raindance FC 26-289HN (PWB)  | Slot W-25 - Raindance FC 26-289HN  | Raindance        | 200.140         | 1679.000  | 1679.000           | 196.760                 | 1500.000       | 58.670           | 1804.460         |
| Raindance FC 26-129HC  | Raindance FC 26-129HC (PWB)  | Slot E-25 - Raindance FC 26-129HC  | Raindance        | 200.880         | 1750.000  | 8651.630           | 197.470                 | 1755.250       | 56.540           | 1935.700         |
| Raindance FC 26-289HNX | Raindance FC 26-289HNX (PWB) | Slot W-26 - Raindance FC 26-289HNX | Raindance        | 210.040         | 1319.000  | 1319.000           | 206.950                 | 1319.000       | 64.500           | 1500.000         |
| Raindance FC 26-152HN  | Raindance FC 26-152HN (PWB)  | Slot E-26 - Raindance FC 26-152HN  | Raindance        | 210.720         | 1750.000  | 8687.230           | 207.320                 | 1755.250       | 59.190           | 1952.100         |
| Raindance FC 26-312HC  | Raindance FC 26-312HC (PWB)  | Slot W-27 - Raindance FC 26-312HC  | Raindance        | 219.940         | 1181.100  | 1181.100           | 217.070                 | 1181.100       | 71.680           | 1459.970         |
| Raindance FC 26-352HNX | Raindance FC 26-352HNX (PWB) | Slot E-27 - Raindance FC 26-352HNX | Raindance        | 221.370         | 900.000   | 900.000            | 218.960                 | 900.000        | 83.880           | 1181.100         |
| Raindance FC 26-312HN  | Raindance FC 26-312HN (PWB)  | Slot W-28 - Raindance FC 26-312HN  | Raindance        | 230.860         | 838.000   | 838.000            | 228.540                 | 838.000        | 89.950           | 1164.700         |

| Offset<br>WellName            | Offset<br>Wellbore                  | Offset<br>Slot                     | Offset<br>Structure | Separation<br>[ft] | MD[ft]    | Diverging<br>From[ft] | Ellipse<br>Separation<br>[ft] | Ellipse<br>MD[ft] | Clearance<br>Factor | Clearance<br>MD[ft] |
|-------------------------------|-------------------------------------|------------------------------------|---------------------|--------------------|-----------|-----------------------|-------------------------------|-------------------|---------------------|---------------------|
| Raindance FC 26-369HC         | Raindance FC 26-369HC (PWB)         | Slot E-28 - Raindance FC 26-369HC  | Raindance           | 231.230            | 800.000   | 800.000               | 228.980                       | 800.000           | 92.370              | 1131.890            |
| Raindance FC 26-329HN         | Raindance FC 26-329HN (PWB)         | Slot W-29 - Raindance FC 26-329HN  | Raindance           | 240.450            | 600.000   | 600.000               | 238.520                       | 600.000           | 107.640             | 1000.660            |
| Raindance FC 26-369HN         | Raindance FC 26-369HN (PWB)         | Slot E-29 - Raindance FC 26-369HN  | Raindance           | 241.080            | 700.000   | 700.000               | 238.990                       | 700.000           | 101.700             | 1066.270            |
| Raindance FC 26-392HN         | Raindance FC 26-392HN (PWB)         | Slot W-30 - Raindance FC 26-392HN  | Raindance           | 250.360            | 600.000   | 600.000               | 248.430                       | 600.000           | 111.630             | 1000.660            |
| Raindance FC 26-392HNX        | Raindance FC 26-392HNX (PWB)        | Slot E-30 - Raindance FC 26-392HNX | Raindance           | 250.940            | 600.000   | 600.000               | 249.010                       | 600.000           | 112.130             | 1000.660            |
| GWOGCO - Raindance FD 19-21HN | GWOGCO - Raindance FD 19-21HN (AWB) | ZZ-GWOGCO - Raindance FD 19-21HN   | Raindance           | 655.610            | 7448.050  | 7448.050              | 574.910                       | 7463.910          | 8.000               | 7529.530            |
| GWOGCO - H-Y 20-23-18         | GWOGCO - H-Y 20-23-18 (AWB)         | ZZ-GWOGCO - H-Y 20-23-18           | Raindance           | 792.540            | 10705.770 | 10705.770             | 753.550                       | 10679.130         | 18.000              | 10400.260           |
| GWOGCO - H-Y 20-53            | GWOGCO - H-Y 20-53 (AWB)            | ZZ-GWOGCO - H-Y 20-53              | Raindance           | 797.500            | 9438.630  | 9438.630              | 770.680                       | 9432.410          | 27.770              | 9038.710            |
| GWOGCO - H-Y 20-54            | GWOGCO - H-Y 20-54 (AWB)            | ZZ-GWOGCO - H-Y 20-54              | Raindance           | 817.730            | 11945.730 | 11945.730             | 759.010                       | 11909.450         | 13.050              | 11712.600           |
| GWOGCO - H-Y 20-34            | GWOGCO - H-Y 20-34 (AWB)            | ZZ-GWOGCO - H-Y 20-34              | Raindance           | 1457.640           | 11325.340 | 11325.340             | 1409.900                      | 11302.490         | 29.130              | 10990.810           |
| GWOGCO - H-Y 29-21-4          | GWOGCO - H-Y 29-21-4 (AWB)          | ZZ-GWOGCO - H-Y 29-21-4            | Raindance           | 1833.290           | 3841.260  | 9357.310              | 1819.740                      | 3871.390          | 83.510              | 9350.390            |
| GWOGCO - H-Y 29-52            | GWOGCO - H-Y 29-52 (AWB)            | ZZ-GWOGCO - H-Y 29-52              | Raindance           | 1924.740           | 2444.570  | 9268.370              | 1918.300                      | 2460.630          | 136.590             | 9530.840            |
| Extraction - Kodak 03         | Extraction - Kodak 03 (AWB)         | ZZ-Extraction - Kodak 03           | Raindance           | 2050.810           | 6617.010  | 10187.010             | 1968.360                      | 6660.100          | 20.360              | 8661.420            |
| GWOGCO - H-Y 29-21-3          | GWOGCO - H-Y 29-21-3 (AWB)          | ZZ-GWOGCO - H-Y 29-21-3            | Raindance           | 2114.600           | 10674.140 | 10674.140             | 2077.600                      | 10662.730         | 56.120              | 10367.450           |
| GWOGCO - H-Y 29-31-2          | GWOGCO - H-Y 29-31-2 (AWB)          | ZZ-GWOGCO - H-Y 29-31-2            | Raindance           | 2128.400           | 12012.840 | 12012.840             | 2069.710                      | 12000.000         | 35.940              | 11794.620           |
| GWOGCO - H-Y 29-21            | GWOGCO - H-Y 29-21 (AWB)            | ZZ-GWOGCO - H-Y 29-21              | Raindance           | 2169.970           | 25.000    | 9940.940              |                               |                   |                     |                     |
| GWOGCO - H-Y 29-31-8          | GWOGCO - H-Y 29-31-8 (AWB)          | ZZ-GWOGCO - H-Y 29-31-8            | Raindance           | 2176.180           | 82.020    | 10587.540             | 2175.100                      | 82.020            | 95.680              | 11072.830           |
| GWOGCO - H-Y 29-31            | GWOGCO - H-Y 29-31 (AWB)            | ZZ-GWOGCO - H-Y 29-31              | Raindance           | 2189.990           | 25.000    | 11311.930             | 2188.980                      | 25.000            | 59.400              | 11286.090           |
| GWOGCO - H-Y 29-51            | GWOGCO - H-Y 29-51 (AWB)            | ZZ-GWOGCO - H-Y 29-51              | Raindance           | 2192.250           | 25.000    | 11907.390             | 2191.200                      | 65.620            | 61.370              | 12270.340           |
| KMG - ONYX 13-29              | KMG - ONYX 13-29 (AWB)              | ZZ-KMG - ONYX 13-29                | Raindance           | 2743.620           | 1750.000  | 8530.180              | 2739.280                      | 1500.000          | 234.590             | 11745.410           |
| Extraction - Kodak 06         | Extraction - Kodak 06 (AWB)         | ZZ-Extraction - Kodak 06           | Raindance           | 2785.670           | 6085.960  | 12293.350             | 2697.300                      | 6135.170          | 29.340              | 8645.010            |
| Walter - THAYER 1-30          | Walter - THAYER 1-30 (AWB)          | ZZ-Walter - THAYER 1-30            | Raindance           | 2843.800           | 2845.240  | 2845.240              | 2835.760                      | 2903.540          | 143.340             | 7300.000            |
| Extraction - Kodak 09         | Extraction - Kodak 09 (AWB)         | ZZ-Extraction - Kodak 09           | Raindance           | 3132.150           | 5872.700  | 8448.160              | 3041.710                      | 5921.920          | 32.360              | 6725.720            |
| Walter - THAYER 2-30          | Walter - THAYER 2-30 (AWB)          | ZZ-Walter - THAYER 2-30            | Raindance           | 3724.520           | 1750.000  | 1750.000              | 3719.410                      | 1755.250          | 282.160             | 7300.000            |
| Extraction - Kodak 10         | Extraction - Kodak 10 (AWB)         | ZZ-Extraction - Kodak 10           | Raindance           | 3741.250           | 5532.480  | 8469.650              | 3649.870                      | 5577.430          | 38.170              | 6561.680            |
| Extraction - Kodak 13         | Extraction - Kodak 13 (AWB)         | ZZ-Extraction - Kodak 13           | Raindance           | 4009.790           | 5352.890  | 10553.720             | 3918.000                      | 5400.000          | 40.690              | 6463.250            |
| Extraction - RAINDANCE 7      | Extraction - RAINDANCE 7 (AWB)      | ZZ-Extraction - RAINDANCE 7        | Raindance           | 4279.140           | 0.000     | 9358.820              | 4277.550                      | 1213.910          | 78.710              | 12872.270           |
| Extraction - RAINDANCE 8      | Extraction - RAINDANCE 8 (PWB)      | ZZ-Extraction - RAINDANCE 8        | Raindance           | 4284.040           | 1750.000  | 1750.000              | 4280.500                      | 1755.250          | 81.150              | 12872.270           |
| Extraction - RAINDANCE 1-1-32 | Extraction - RAINDANCE 1-1-32 (PWB) | ZZ-Extraction - RAINDANCE 1-1-32   | Raindance           | 4286.720           | 1750.000  | 1750.000              | 4283.180                      | 1755.250          | 261.430             | 12872.270           |
| Extraction - RAINDANCE 9      | Extraction - RAINDANCE 9 (PWB)      | ZZ-Extraction - RAINDANCE 9        | Raindance           | 4293.120           | 1750.000  | 1750.000              | 4289.580                      | 1755.250          | 82.890              | 12872.270           |
| Extraction - RAINDANCE 2      | Extraction - RAINDANCE 2 (PWB)      | ZZ-Extraction - RAINDANCE 2        | Raindance           | 4294.520           | 1750.000  | 1750.000              | 4290.980                      | 1755.250          | 85.030              | 12872.270           |
| Extraction - RAINDANCE 3      | Extraction - RAINDANCE 3 (PWB)      | ZZ-Extraction - RAINDANCE 3        | Raindance           | 4298.840           | 1509.190  | 1509.190              | 4295.320                      | 1500.000          | 87.250              | 12872.270           |
| Extraction - RAINDANCE 4      | Extraction - RAINDANCE 4 (PWB)      | ZZ-Extraction - RAINDANCE 4        | Raindance           | 4303.100           | 1750.000  | 1750.000              | 4299.560                      | 1755.250          | 88.240              | 12872.270           |
| Extraction - RAINDANCE 5      | Extraction - RAINDANCE 5 (PWB)      | ZZ-Extraction - RAINDANCE 5        | Raindance           | 4307.400           | 1750.000  | 1750.000              | 4303.860                      | 1755.250          | 91.620              | 12872.270           |
| Extraction - RAINDANCE 6      | Extraction - RAINDANCE 6 (PWB)      | ZZ-Extraction - RAINDANCE 6        | Raindance           | 4315.530           | 787.400   | 787.400               | 4313.160                      | 787.400           | 93.710              | 12872.270           |
| UNKNOWN - KENNETH THAYER 1    | UNKNOWN - KENNETH THAYER 1 (AWB)    | ZZ-UNKNOWN - KENNETH THAYER 1      | Raindance           | 5613.910           | 1750.000  | 1750.000              | 5608.560                      | 1755.250          | 348.480             | 7400.000            |
| UNI OIL - MACLOUGHAN 25-1     | UNI OIL - MACLOUGHAN 25-1 (AWB)     | ZZ-UNI OIL - MACLOUGHAN 25-1       | Raindance           | 8244.130           | 1755.250  | 1755.250              | 8239.030                      | 1771.650          | 335.800             | 7513.120            |
| Ranchers - Retta J 1          | Ranchers - Retta J 1 (AWB)          | ZZ-Ranchers - Retta J 1            | Raindance           | 10131.800          | 0.000     | 0.000                 | 10130.800                     | 0.000             | 530.610             | 10662.730           |

All data is in Feet unless otherwise stated  
Coordinates are from Slot MDs are from Rig and TVDs are from Rig ( Planned Datum #1 4809.0ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 59.250 degrees  
Prepared by Great Western Operating Company  
Date Printed: