

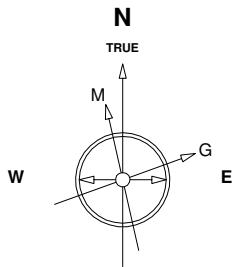
Great Western Operating Company, LLC

Location Colorado
Field Wattenburg
Installation Raindance

Slot Slot W-04 - Raindance FD 20-239HN
Well Raindance FD 20-239HN
Wellbore Raindance FD 20-239HN (PWB)

Created by admin
Date plotted 17-Nov-2016

Plot reference is Raindance FD 20-239HN (PWB).
Ref wellpath is Raindance FD 20-239HN (PWP#1).
Coordinates are in Feet reference Slot W-04 - Raindance FD 20-239HN.
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 - 12,692 / 6943 MD/TVD, 2197.67 FSL, 470 FEL Sec 20

TPZ - 8011 / 6943 MD/TVD, 2154.73 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

9 5/8in Surface Casing

5 1/2in Production Casing

TPZ - 8011 / 6943 MD/TVD, 2154.73 FSL, 75 FWL Sec 20

BHL - 12,692 / 6943 MD/TVD, 2197.67 FSL, 470 FEL Sec 20

Scale 1 cm = 400 ft

Vertical Section (Feet) ->

Azimuth 58.90 with reference 0.00 N, 0.00 E from Slot W-04 - Raindance FD 20-239HN

<- 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	1490.00	0.00	354.69	1490.00	S 0.00	W 0.00	0.00	0.00
End of Build	2490.15	30.00	354.69	2445.06	N 254.85	W 23.70	9.84	111.36
End of Hold	7094.07	30.00	354.69	6431.99	N 2547.22	W 236.90	0.00	1113.05
Target TPZ - ...Sec 20	8010.94	90.00	88.06	6943.00	N 2860.98	E 325.53	32.81	1756.70
T.D. & Target BHL... 20	12692.29	90.00	88.06	6943.00	N 3019.23	E 5004.21	0.00	5844.47

SYSDRILL
Closest Approach Summary Report
Wellbore: Raindance FD 20-239HN (PWB)
Wellpath: Raindance FD 20-239HN (PWP#1)

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 20-239HN (PWB)
Created	15-Nov-2016
Last Revised	15-Nov-2016
Well	
Name	Raindance FD 20-239HN
Government ID	
Last Revised	15-Nov-2016
Slot	
Name	Slot W-04 - Raindance FD 20-239HN
Grid Northing	1412049.090
Grid Easting	3159342.545
Latitude	N40 27 47.0304
Longitude	W104 55 38.4204
North	25561841.000
East	-18483117.700
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 20-239HC	Raindance FD 20-239HC (PWB)	Slot W-05 - Raindance FD 20-239HC	Raindance	9.610	1492.780	7152.230	6.240	1492.780	2.850	1500.000
Raindance FD 20-202HN	Raindance FD 20-202HN (PWB)	Slot W-03 - Raindance FD 20-202HN	Raindance	9.910	959.000	12692.290	7.400	959.000	3.940	967.850
Raindance FC 23-232HN	Raindance FC 23-232HN (PWB)	Slot E-04 - Raindance FC 23-232HN	Raindance	17.290	1492.780	7941.930	13.920	1500.000	5.120	1500.000
Raindance FC 23-249HN	Raindance FC 23-249HN (PWB)	Slot E-05 - Raindance FC 23-249HN	Raindance	19.770	1492.780	7634.030	16.410	1492.780	5.860	1500.000
Raindance FD 20-202HNX	Raindance FD 20-202HNX (PWB)	Slot W-02 - Raindance FD 20-202HNX	Raindance	19.810	600.000	12692.290	17.880	600.000	5.190	12692.290
Raindance FC 23-232HNX	Raindance FC 23-232HNX (PWB)	Raindance FC 23-232HNX (PWB)	Raindance	20.250	1248.000	7616.800	5.020	7616.800	1.250	7616.800
Raindance FD 20-242HNX	Raindance FD 20-242HNX (PWB)	Slot W-06 - Raindance FD 20-242HNX	Raindance	20.530	1492.780	7000.720	17.160	1492.780	3.300	12680.450
Raindance FC 23-209HC	Raindance FC 23-209HC (PWB)	Slot E-02 - Raindance FC 23-209HC	Raindance	26.780	985.000	8376.140	24.230	985.000	4.830	8497.380
Raindance FC 23-272HC	Raindance FC 23-272HC (PWB)	Slot E-06 - Raindance FC 23-272HC	Raindance	26.920	1492.780	7829.670	23.560	1492.780	7.980	1500.000
Raindance FD 20-242HN	Raindance FD 20-242HN (PWB)	Slot W-07 - Raindance FD 20-242HN	Raindance	30.420	1492.780	7123.940	27.050	1492.780	3.800	12680.450
Raindance FC 23-209HN	Raindance FC 23-209HN (PWB)	Slot E-01 - Raindance FC 23-209HN	Raindance	34.280	645.000	8307.080	32.280	645.000	10.360	8595.800
Raindance FC 23-289HNX	Raindance FC 23-289HNX (PWB)	Slot E-07 - Raindance FC 23-289HNX	Raindance	35.060	1492.780	7276.710	31.690	1492.780	10.380	1500.000
Raindance FD 20-282HN	Raindance FD 20-282HN (PWB)	Slot W-08 - Raindance FD 20-282HN	Raindance	40.320	1492.780	6972.420	36.950	1492.780	6.710	12664.040
Raindance FC 23-289HN	Raindance FC 23-289HN (PWB)	Slot E-08 - Raindance FC 23-289HN	Raindance	43.750	1492.780	7405.960	40.380	1492.780	12.960	1500.000
Raindance FD 20-282HC	Raindance FD 20-282HC (PWB)	Slot W-09 - Raindance FD 20-282HC	Raindance	49.920	1492.780	7086.610	46.550	1492.780	8.200	12664.040
Raindance FC 23-312HN	Raindance FC 23-312HN (PWB)	Slot E-09 - Raindance FC 23-312HN	Raindance	52.870	1492.780	7197.480	49.510	1492.780	15.660	1500.000
Raindance FD 20-319HNX	Raindance FD 20-319HNX (PWB)	Slot W-10 - Raindance FD 20-319HNX	Raindance	59.820	1492.780	6725.720	56.450	1492.780	11.060	12664.040
Raindance FC 23-312HC	Raindance FC 23-312HC (PWB)	Slot E-10 - Raindance FC 23-312HC	Raindance	62.240	1492.780	7310.240	58.870	1492.780	18.430	1500.000
Raindance FD 20-319HN	Raindance FD 20-319HN (PWB)	Slot W-11 - Raindance FD 20-319HN	Raindance	69.720	1492.780	6846.090	66.350	1492.780	11.970	12647.640
Raindance FC 23-329HNX	Raindance FC 23-329HNX (PWB)	Slot E-11 - Raindance FC 23-329HNX	Raindance	72.360	1492.780	6905.170	68.990	1492.780	21.420	1500.000
Raindance FD 20-322HN	Raindance FD 20-322HN (PWB)	Slot W-12 - Raindance FD 20-322HN	Raindance	80.540	1492.780	6665.200	77.170	1492.780	15.000	12647.640
Raindance FC 23-352HN	Raindance FC 23-352HN (PWB)	Slot E-12 - Raindance FC 23-352HN	Raindance	81.930	1492.780	7030.430	78.560	1492.780	24.260	1500.000
Raindance FD 20-359HC	Raindance FD 20-359HC (PWB)	Slot W-13 - Raindance FD 20-359HC	Raindance	90.240	1492.780	6774.930	86.870	1492.780	16.250	12647.640
Raindance FC 23-369HC	Raindance FC 23-369HC (PWB)	Slot E-13 - Raindance FC 23-369HC	Raindance	91.570	1492.780	6827.600	88.210	1492.780	27.110	1500.000
Raindance FD 20-362HNX	Raindance FD 20-362HNX (PWB)	Slot W-14 - Raindance FD 20-362HNX	Raindance	100.040	1492.780	6430.450	96.670	1492.780	18.400	12647.640
Raindance FC 23-369HC	Raindance FC 23-369HC (PWB)	Slot E-14 - Raindance FC 23-369HC	Raindance	101.270	1492.780	6943.310	97.900	1492.780	29.980	1500.000
Raindance FD 20-362HN	Raindance FD 20-362HN (PWB)	Slot W-15 - Raindance FD 20-362HN	Raindance	109.940	1492.780	6561.680	106.570	1492.780	18.810	12647.640
Raindance FC 23-392HNX	Raindance FC 23-392HNX (PWB)	Slot E-15 - Raindance FC 23-392HNX	Raindance	110.820	1492.780	6531.880	107.450	1492.780	32.810	1500.000
Raindance FD 20-399HC	Raindance FD 20-399HC (PWB)	Slot W-16 - Raindance FD 20-399HC	Raindance	119.840	1492.780	1492.780	116.470	1492.780	22.880	12631.230
Raindance FC 26-009HN	Raindance FC 26-009HN (PWB)	Slot E-16 - Raindance FC 26-009HN	Raindance	121.630	1492.780	6660.100	118.260	1492.780	36.010	1500.000
Raindance FC 26-169HN	Raindance FC 26-169HN (PWB)	Slot W-17 - Raindance FC 26-169HN	Raindance	130.110	1492.780	1492.780	126.750	1492.780	38.520	1500.000
Raindance FC 26-032HN	Raindance FC 26-032HN (PWB)	Slot E-17 - Raindance FC 26-032HN	Raindance	131.400	1492.780	6506.260	128.030	1492.780	38.900	1500.000
Raindance FC 26-169HNX	Raindance FC 26-169HNX (PWB)	Slot W-18 - Raindance FC 26-169HNX	Raindance	140.020	1492.780	1492.780	136.650	1492.780	41.450	1500.000
Raindance FC 26-032HC	Raindance FC 26-032HC (PWB)	Slot E-18 - Raindance FC 26-032HC	Raindance	141.190	1492.780	6627.300	137.820	1492.780	41.790	1500.000
Raindance FC 26-192HC	Raindance FC 26-192HC (PWB)	Slot W-19 - Raindance FC 26-192HC	Raindance	149.920	1492.780	1492.780	146.550	1492.780	44.380	1500.000
Raindance FC 26-049HN	Raindance FC 26-049HN (PWB)	Slot E-19 - Raindance FC 26-049HN	Raindance	150.770	1492.780	1492.780	147.410	1492.780	44.630	1500.000
Raindance FC 26-209HN	Raindance FC 26-209HN (PWB)	Slot W-20 - Raindance FC 26-209HN	Raindance	159.820	1492.780	1492.780	156.450	1492.780	47.310	1500.000
Raindance FC 26-072HNX	Raindance FC 26-072HNX (PWB)	Slot E-20 - Raindance FC 26-072HNX	Raindance	160.580	1492.780	1492.780	157.220	1492.780	47.540	1500.000
Raindance FC 26-232HN	Raindance FC 26-232HN (PWB)	Slot W-21 - Raindance FC 26-232HN	Raindance	169.410	1492.780	1492.780	166.050	1492.780	50.150	1500.000
Raindance FC 26-089HC	Raindance FC 26-089HC (PWB)	Slot E-21 - Raindance FC 26-089HC	Raindance	171.450	1492.780	8671.040	168.090	1492.780	50.750	1500.000
Raindance FC 26-232HNX	Raindance FC 26-232HNX (PWB)	Slot W-22 - Raindance FC 26-232HNX	Raindance	179.320	1492.780	1492.780	175.950	1492.780	53.080	1500.000
Raindance FC 26-089HN	Raindance FC 26-089HN (PWB)	Slot E-22 - Raindance FC 26-089HN	Raindance	181.200	1492.780	8619.420	177.840	1492.780	53.640	1500.000
Raindance FC 26-249HC	Raindance FC 26-249HC (PWB)	Slot W-23 - Raindance FC 26-249HC	Raindance	190.240	1492.780	1492.780	186.870	1492.780	56.310	1500.000
Raindance FC 26-112HN	Raindance FC 26-112HN (PWB)	Slot E-23 - Raindance FC 26-112HN	Raindance	190.880	1492.780	8652.160	187.520	1492.780	56.500	1500.000
Raindance FC 26-272HN	Raindance FC 26-272HN (PWB)	Slot W-24 - Raindance FC 26-272HN	Raindance	200.140	1492.780	1492.780	196.770	1492.780	59.240	1500.000
Raindance FC 26-112HNX	Raindance FC 26-112HNX (PWB)	Slot E-24 - Raindance FC 26-112HNX	Raindance	200.640	1492.780	8678.380	197.270	1492.780	59.390	1500.000
Raindance FC 26-289HN	Raindance FC 26-289HN (PWB)	Slot W-25 - Raindance FC 26-289HN	Raindance	209.730	1492.780	1492.780	206.370	1492.780	62.080	1500.000
Raindance FC 26-129HC	Raindance FC 26-129HC (PWB)	Slot E-25 - Raindance FC 26-129HC	Raindance	210.480	1492.780	8382.550	207.120	1492.780	62.300	1500.000
Raindance FC 26-289HNX	Raindance FC 26-289HNX (PWB)	Slot W-26 - Raindance FC 26-289HNX	Raindance	219.630	1319.000	1319.000	216.550	1319.000	67.360	1500.000
Raindance FC 26-152HN	Raindance FC 26-152HN (PWB)	Slot E-26 - Raindance FC 26-152HN	Raindance	220.330	1492.780	8417.080	216.960	1492.780	65.220	1500.000
Raindance FC 26-312HC	Raindance FC 26-312HC (PWB)	Slot W-27 - Raindance FC 26-312HC	Raindance	229.540	1181.100	1181.100	226.670	1181.100	74.570	1459.970

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 FC 26-352HNX	Raindance FC 26-352HNX (PWB)	Slot E-27 - Raindance FC 26-352HNX	Raindance	230.980	900.000	900.000	228.570	900.000	87.190	1197.510
Raindance FC 26-312HN	Raindance FC 26-312HN (PWB)	Slot W-28 - Raindance FC 26-312HN	Raindance	240.450	838.000	838.000	238.140	838.000	93.370	1164.700
Raindance FC 26-369HC	Raindance FC 26-369HC (PWB)	Slot E-28 - Raindance FC 26-369HC	Raindance	240.830	800.000	800.000	238.580	800.000	95.840	1131.890
GWOGCO - H-Y 20-23	GWOGCO - H-Y 20-23 (AWB)	ZZ-GWOGCO - H-Y 20-23	Raindance	243.630	9881.460	9881.460	211.070	9858.920	6.150	9744.090
Raindance FC 26-329HN	Raindance FC 26-329HN (PWB)	Slot W-29 - Raindance FC 26-329HN	Raindance	250.050	600.000	600.000	248.120	600.000	111.420	1000.660
Raindance FC 26-369HN	Raindance FC 26-369HN (PWB)	Slot E-29 - Raindance FC 26-369HN	Raindance	250.690	700.000	700.000	248.600	700.000	105.320	1066.270
Raindance FC 26-392HN	Raindance FC 26-392HN (PWB)	Slot W-30 - Raindance FC 26-392HN	Raindance	259.950	600.000	600.000	258.020	600.000	115.360	1049.870
Raindance FC 26-392HNX	Raindance FC 26-392HNX (PWB)	Slot E-30 - Raindance FC 26-392HNX	Raindance	260.550	600.000	600.000	258.620	600.000	115.830	1017.060
GWOGCO - Raindance FD 19-21HN	GWOGCO - Raindance FD 19-21HN (AWB)	ZZ-GWOGCO - Raindance FD 19-21HN	Raindance	733.400	7349.080	7349.080	655.340	7365.490	9.120	7463.910
GWOGCO - H-Y 20-23-18	GWOGCO - H-Y 20-23-18 (AWB)	ZZ-GWOGCO - H-Y 20-23-18	Raindance	842.490	10523.210	10523.210	803.720	10498.690	19.200	10200.000
GWOGCO - H-Y 20-53	GWOGCO - H-Y 20-53 (AWB)	ZZ-GWOGCO - H-Y 20-53	Raindance	846.940	9256.720	9256.720	820.280	9251.970	29.670	8825.460
GWOGCO - H-Y 20-54	GWOGCO - H-Y 20-54 (AWB)	ZZ-GWOGCO - H-Y 20-54	Raindance	865.340	11768.030	11768.030	806.770	11745.410	13.830	11532.150
GWOGCO - H-Y 20-34	GWOGCO - H-Y 20-34 (AWB)	ZZ-GWOGCO - H-Y 20-34	Raindance	1510.080	11142.310	11142.310	1462.470	11122.050	30.270	10793.960
GWOGCO - H-Y 29-21-4	GWOGCO - H-Y 29-21-4 (AWB)	ZZ-GWOGCO - H-Y 29-21-4	Raindance	1870.260	3743.620	9174.480	1856.540	3772.970	86.080	9169.950
GWOGCO - H-Y 29-52	GWOGCO - H-Y 29-52 (AWB)	ZZ-GWOGCO - H-Y 29-52	Raindance	1954.480	2214.570	9087.930	1948.510	2230.970	139.420	9333.990
GWOGCO - H-Y 29-21-3	GWOGCO - H-Y 29-21-3 (AWB)	ZZ-GWOGCO - H-Y 29-21-3	Raindance	2166.010	10494.260	10494.260	2129.120	10482.280	57.680	10170.600
GWOGCO - H-Y 29-21	GWOGCO - H-Y 29-21 (AWB)	ZZ-GWOGCO - H-Y 29-21	Raindance	2167.090	25.000	9752.560				
GWOGCO - H-Y 29-31-8	GWOGCO - H-Y 29-31-8 (AWB)	ZZ-GWOGCO - H-Y 29-31-8	Raindance	2173.370	82.020	10405.090	2172.290	82.020	97.370	10925.200
GWOGCO - H-Y 29-31-2	GWOGCO - H-Y 29-31-2 (AWB)	ZZ-GWOGCO - H-Y 29-31-2	Raindance	2173.940	11827.430	11827.430	2115.380	11811.020	36.780	11614.170
Extraction - Kodak 03	Extraction - Kodak 03 (AWB)	ZZ-Extraction - Kodak 03	Raindance	2176.610	6578.080	10002.590	2092.860	6627.300	20.700	8480.970
GWOGCO - H-Y 29-31	GWOGCO - H-Y 29-31 (AWB)	ZZ-GWOGCO - H-Y 29-31	Raindance	2187.110	25.000	11129.090	2186.100	25.000	60.610	11122.050
GWOGCO - H-Y 29-51	GWOGCO - H-Y 29-51 (AWB)	ZZ-GWOGCO - H-Y 29-51	Raindance	2189.430	25.000	11729.000	2188.390	65.620	62.360	12106.300
KMG - ONYX 13-29	KMG - ONYX 13-29 (AWB)	ZZ-KMG - ONYX 13-29	Raindance	2751.340	1492.780	8349.740	2747.010	1492.780	238.160	11646.980
Walter - THAYER 1-30	Walter - THAYER 1-30 (AWB)	ZZ-Walter - THAYER 1-30	Raindance	2847.770	2566.080	2566.080	2840.120	2624.670	144.630	7100.000
Extraction - Kodak 06	Extraction - Kodak 06 (AWB)	ZZ-Extraction - Kodak 06	Raindance	2918.100	6042.940	12111.710	2829.190	6085.960	29.650	8448.160
Extraction - Kodak 09	Extraction - Kodak 09 (AWB)	ZZ-Extraction - Kodak 09	Raindance	3266.580	5829.540	8267.720	3175.770	5872.700	33.610	6725.720
Walter - THAYER 2-30	Walter - THAYER 2-30 (AWB)	ZZ-Walter - THAYER 2-30	Raindance	3733.060	1492.780	1492.780	3728.000	1500.000	284.750	7200.000
Extraction - Kodak 10	Extraction - Kodak 10 (AWB)	ZZ-Extraction - Kodak 10	Raindance	3876.720	5495.410	8288.010	3785.090	5544.620	39.430	6561.680
Extraction - Kodak 13	Extraction - Kodak 13 (AWB)	ZZ-Extraction - Kodak 13	Raindance	4145.730	5314.960	10372.080	4053.710	5364.170	41.960	6463.250
Extraction - RAINDANCE 7	Extraction - RAINDANCE 7 (AWB)	ZZ-Extraction - RAINDANCE 7	Raindance	4288.370	0.000	9177.180	4286.790	1213.910	79.200	12692.290
Extraction - RAINDANCE 8	Extraction - RAINDANCE 8 (PWB)	ZZ-Extraction - RAINDANCE 8	Raindance	4293.290	1492.780	1492.780	4289.780	1492.780	81.730	12692.290
Extraction - RAINDANCE 1-1-32	Extraction - RAINDANCE 1-1-32 (PWB)	ZZ-Extraction - RAINDANCE 1-1-32	Raindance	4295.930	1492.780	1492.780	4292.430	1492.780	264.490	12692.290
Extraction - RAINDANCE 9	Extraction - RAINDANCE 9 (PWB)	ZZ-Extraction - RAINDANCE 9	Raindance	4302.370	1492.780	1492.780	4298.870	1492.780	83.390	12692.290
Extraction - RAINDANCE 2	Extraction - RAINDANCE 2 (PWB)	ZZ-Extraction - RAINDANCE 2	Raindance	4303.740	1492.780	1492.780	4300.240	1492.780	85.530	12692.290
Extraction - RAINDANCE 3	Extraction - RAINDANCE 3 (PWB)	ZZ-Extraction - RAINDANCE 3	Raindance	4308.080	1492.780	1492.780	4304.570	1492.780	87.850	12692.290
Extraction - RAINDANCE 4	Extraction - RAINDANCE 4 (PWB)	ZZ-Extraction - RAINDANCE 4	Raindance	4312.340	1492.780	1492.780	4308.830	1492.780	88.750	12692.290
Extraction - RAINDANCE 5	Extraction - RAINDANCE 5 (PWB)	ZZ-Extraction - RAINDANCE 5	Raindance	4316.650	1492.780	1492.780	4313.140	1492.780	92.130	12692.290
Extraction - RAINDANCE 6	Extraction - RAINDANCE 6 (PWB)	ZZ-Extraction - RAINDANCE 6	Raindance	4324.780	787.400	787.400	4322.410	787.400	94.320	12692.290
UNKNOWN - KENNETH THAYER 1	UNKNOWN - KENNETH THAYER 1 (AWB)	ZZ-UNKNOWN - KENNETH THAYER 1	Raindance	5622.500	1492.780	1492.780	5617.180	1492.780	350.410	7200.000
UNI OIL - MACLOUGHAN 25-1	UNI OIL - MACLOUGHAN 25-1 (AWB)	ZZ-UNI OIL - MACLOUGHAN 25-1	Raindance	8249.950	1492.780	1492.780	8244.900	1500.000	335.280	7400.000
Ranchers - Retta J 1	Ranchers - Retta J 1 (AWB)	ZZ-Ranchers - Retta J 1	Raindance	10130.960	0.000	2673.880	10129.960	0.000	520.670	10121.390

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 4809.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 58.900 degrees
Prepared by Great Western Operating Company
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