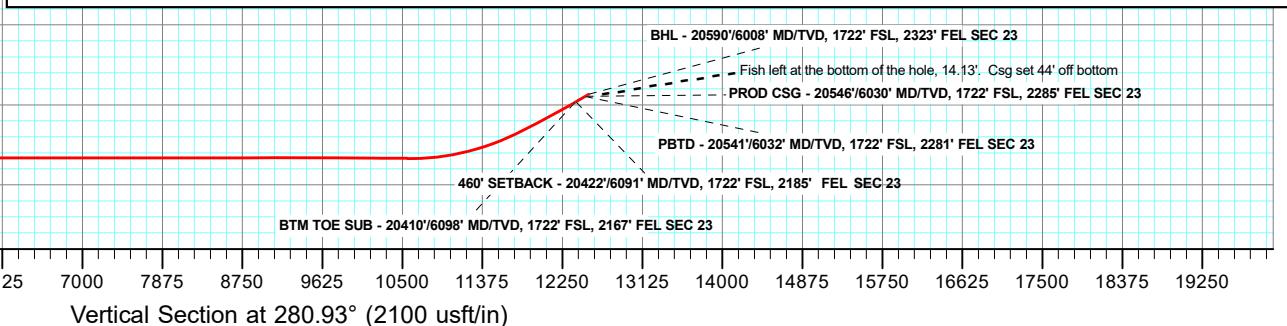
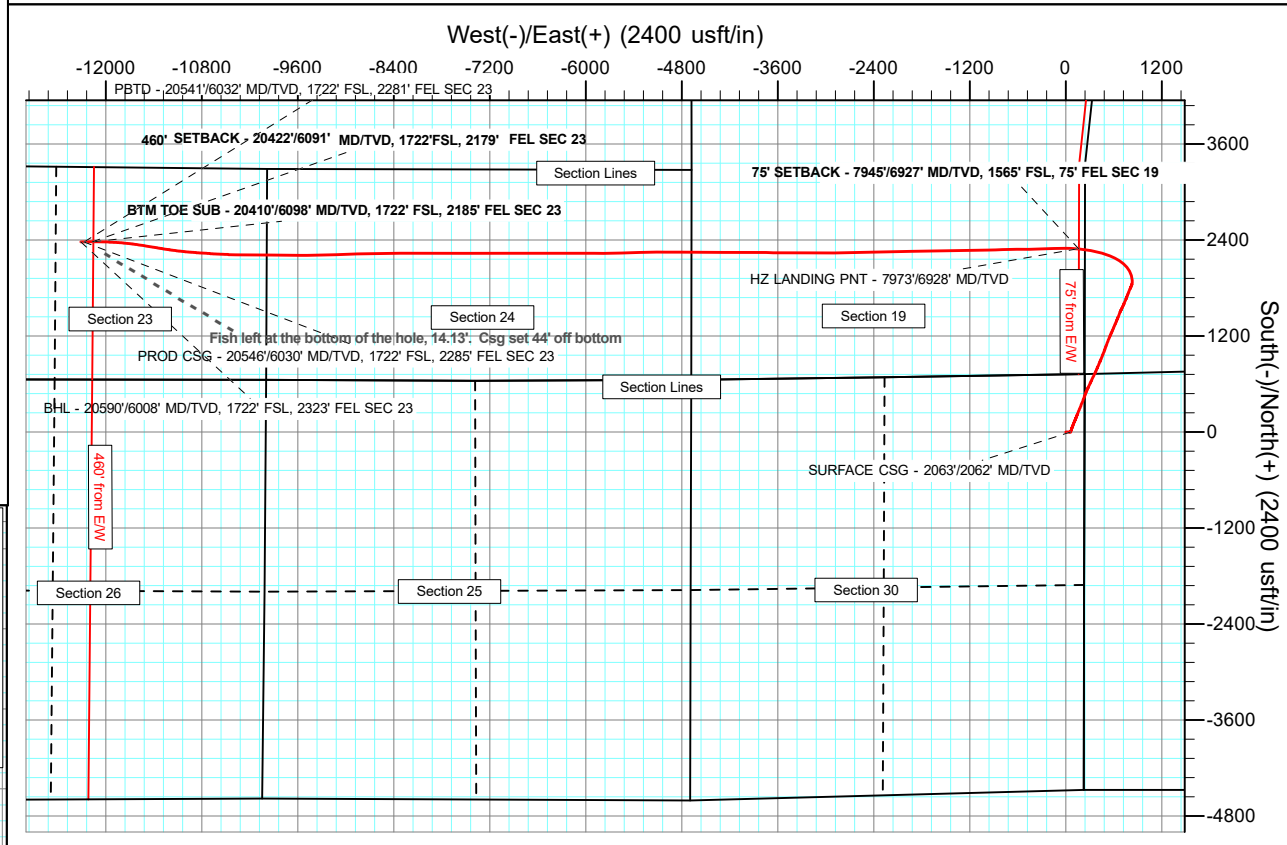
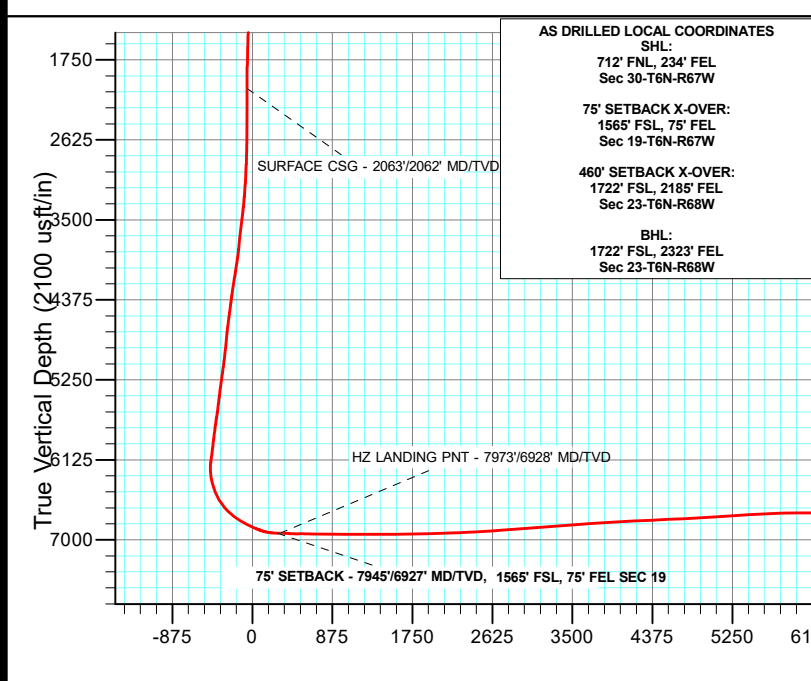
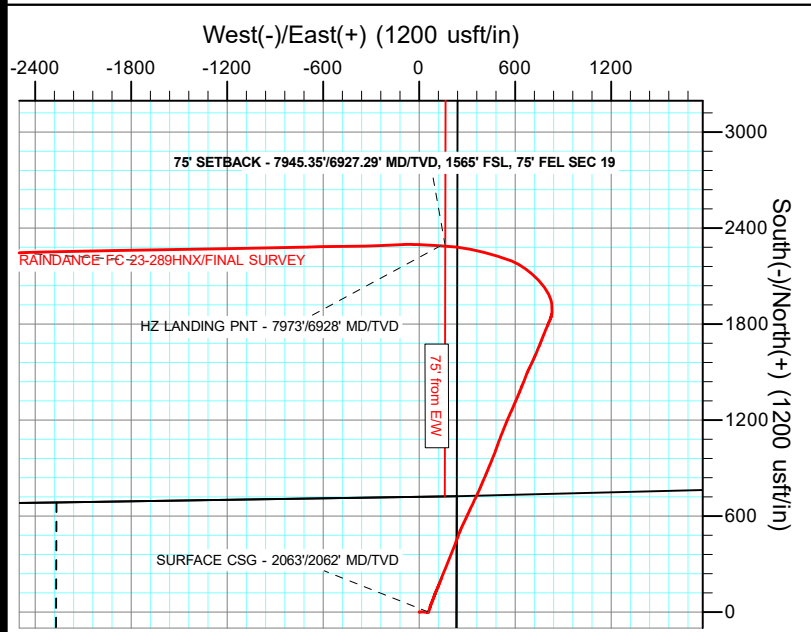


Project: WELD COUNTY
Site: SEC 30-T6N-R67W
Well: RAINDANCE FC 23-289HNX
Wellbore: OWB
Design: FINAL SURVEY
API: 05-123-51584

PROJECT DETAILS: WELD COUNTY
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level



Azimuths to True North
Magnetic North: 7.92°
Magnetic Field
Strength: 51951.2nT
Dip Angle: 66.67°
Date: 8/19/2021
Model: IGRF2020



Survey Report

Company:	GREAT WESTERN OPERATING COMPANY	Local Co-ordinate Reference:	Well RAINDANCE FC 23-289HNX
Project:	WELD COUNTY	TVD Reference:	KB 20' @ 4808.00usft
Site:	SEC 30-T6N-R67W	MD Reference:	KB 20' @ 4808.00usft
Well:	RAINDANCE FC 23-289HNX	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM 5000.16 Single User Db

Project	WELD COUNTY		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	SEC 30-T6N-R67W		
Site Position:		Northing:	1,412,754.87 usft
From:	Lat/Long	Easting:	3,159,584.52 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in

Well	RAINDANCE FC 23-289HNX		
Well Position	+N/-S	0.00 usft	Northing: 1,412,029.12 usft
	+E/-W	0.00 usft	Easting: 3,159,353.53 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.37 °		

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	8/19/2021	7.92	66.67	51,951.24530843

Design	FINAL SURVEY				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	280.93	

Survey Program	Date	10/31/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.00	20,590.00	FINAL SURVEY (OWB)	MWD	OWSG MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.26	192.51	100.00	-0.22	-0.05	0.01	0.26	0.26	0.00	
191.00	0.01	97.94	191.00	-0.42	-0.09	0.00	0.29	-0.27	-103.92	
278.00	0.70	113.32	278.00	-0.64	0.41	-0.52	0.79	0.79	17.68	
368.00	1.27	61.64	367.99	-0.38	1.79	-1.83	1.11	0.63	-57.42	
458.00	0.53	83.61	457.97	0.14	3.08	-3.00	0.89	-0.82	24.41	
548.00	1.23	84.40	547.96	0.28	4.46	-4.32	0.78	0.78	0.88	
637.00	1.41	81.33	636.94	0.54	6.49	-6.27	0.22	0.20	-3.45	
727.00	1.67	81.94	726.91	0.89	8.88	-8.55	0.29	0.29	0.68	
817.00	2.59	91.17	816.84	1.03	12.22	-11.80	1.09	1.02	10.26	

Survey Report

Company:	GREAT WESTERN OPERATING COMPANY	Local Co-ordinate Reference:	Well RAINDANCE FC 23-289HNX
Project:	WELD COUNTY	TVD Reference:	KB 20' @ 4808.00usft
Site:	SEC 30-T6N-R67W	MD Reference:	KB 20' @ 4808.00usft
Well:	RAINDANCE FC 23-289HNX	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM 5000.16 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
907.00	3.12	89.33	906.73	1.02	16.70	-16.20	0.60	0.59	-2.04
997.00	3.38	90.64	996.59	1.02	21.80	-21.21	0.30	0.29	1.46
1,087.00	3.43	91.44	1,086.43	0.92	27.14	-26.48	0.08	0.06	0.89
1,177.00	2.94	97.94	1,176.29	0.53	32.12	-31.44	0.68	-0.54	7.22
1,267.00	3.08	94.25	1,266.16	0.04	36.82	-36.14	0.27	0.16	-4.10
1,357.00	2.99	97.94	1,356.04	-0.47	41.56	-40.89	0.24	-0.10	4.10
1,447.00	2.94	95.83	1,445.92	-1.03	46.18	-45.53	0.13	-0.06	-2.34
1,537.00	1.58	110.68	1,535.85	-1.70	49.63	-49.06	1.63	-1.51	16.50
1,627.00	1.85	83.79	1,625.81	-1.98	52.24	-51.67	0.93	0.30	-29.88
1,717.00	1.71	81.42	1,715.76	-1.62	55.01	-54.32	0.18	-0.16	-2.63
1,806.00	1.76	80.45	1,804.72	-1.20	57.67	-56.85	0.07	0.06	-1.09
1,896.00	0.70	63.31	1,894.70	-0.72	59.53	-58.58	1.23	-1.18	-19.04
1,986.00	0.31	268.01	1,984.70	-0.48	59.77	-58.78	1.10	-0.43	-172.56
2,008.00	0.18	338.41	2,006.70	-0.45	59.70	-58.70	1.37	-0.59	320.00
2,063.00	0.41	301.53	2,061.70	-0.27	59.50	-58.48	0.51	0.41	-67.05
2,133.00	0.75	290.97	2,131.70	0.02	58.87	-57.79	0.51	0.49	-15.09
2,223.00	3.04	22.26	2,221.65	2.44	59.22	-57.68	3.50	2.54	101.43
2,312.00	4.22	21.71	2,310.47	7.67	61.32	-58.76	1.33	1.33	-0.62
2,402.00	4.09	20.48	2,400.23	13.75	63.67	-59.91	0.18	-0.14	-1.37
2,492.00	3.82	14.94	2,490.02	19.66	65.57	-60.65	0.52	-0.30	-6.16
2,581.00	3.65	10.90	2,578.83	25.30	66.87	-60.86	0.35	-0.19	-4.54
2,671.00	7.21	17.76	2,668.41	33.50	69.13	-61.53	4.01	3.96	7.62
2,760.00	9.23	21.45	2,756.50	45.46	73.45	-63.50	2.34	2.27	4.15
2,850.00	10.46	20.04	2,845.17	59.85	78.89	-66.11	1.39	1.37	-1.57
2,939.00	13.54	23.91	2,932.21	76.97	85.88	-69.73	3.57	3.46	4.35
3,029.00	16.04	17.76	3,019.23	98.45	93.94	-73.58	3.28	2.78	-6.83
3,118.00	18.15	24.35	3,104.30	122.79	103.41	-78.26	3.21	2.37	7.40
3,208.00	20.84	22.06	3,189.14	150.41	115.21	-84.61	3.11	2.99	-2.54
3,297.00	24.84	21.36	3,271.14	182.50	127.97	-91.05	4.50	4.49	-0.79
3,387.00	27.60	21.98	3,351.87	219.45	142.66	-98.47	3.08	3.07	0.69
3,476.00	31.25	21.98	3,429.38	259.99	159.02	-106.85	4.10	4.10	0.00
3,565.00	32.04	22.41	3,505.15	303.22	176.66	-115.98	0.92	0.89	0.48
3,655.00	32.18	21.80	3,581.38	347.54	194.66	-125.25	0.39	0.16	-0.68
3,745.00	32.18	21.45	3,657.55	392.10	212.33	-134.15	0.21	0.00	-0.39
3,835.00	32.09	20.83	3,733.76	436.75	229.59	-142.64	0.38	-0.10	-0.69
3,924.00	30.95	19.78	3,809.63	480.38	245.74	-150.22	1.42	-1.28	-1.18
4,014.00	29.67	24.44	3,887.34	522.45	262.80	-158.99	2.97	-1.42	5.18
4,104.00	31.78	25.58	3,964.70	564.11	282.25	-170.19	2.43	2.34	1.27
4,194.00	31.03	24.61	4,041.52	606.58	302.14	-181.68	1.00	-0.83	-1.08
4,283.00	33.10	25.93	4,116.94	649.29	322.32	-193.39	2.46	2.33	1.48
4,373.00	32.35	25.31	4,192.65	693.16	343.36	-205.74	0.91	-0.83	-0.69
4,463.00	32.00	24.70	4,268.83	736.59	363.62	-217.39	0.53	-0.39	-0.68

Survey Report

Company:	GREAT WESTERN OPERATING COMPANY	Local Co-ordinate Reference:	Well RAINDANCE FC 23-289HNX
Project:	WELD COUNTY	TVD Reference:	KB 20' @ 4808.00usft
Site:	SEC 30-T6N-R67W	MD Reference:	KB 20' @ 4808.00usft
Well:	RAINDANCE FC 23-289HNX	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM 5000.16 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,552.00	30.42	23.21	4,344.95	778.73	382.36	-227.80	1.98	-1.78	-1.67	
4,642.00	32.57	23.56	4,421.69	821.88	401.02	-237.95	2.40	2.39	0.39	
4,732.00	31.96	22.50	4,497.79	866.09	419.82	-248.02	0.92	-0.68	-1.18	
4,822.00	33.80	23.12	4,573.37	911.13	438.77	-258.09	2.08	2.04	0.69	
4,911.00	33.36	21.89	4,647.52	956.60	457.61	-267.97	0.91	-0.49	-1.38	
5,001.00	32.44	20.57	4,723.08	1,002.16	475.32	-276.72	1.30	-1.02	-1.47	
5,090.00	30.99	19.07	4,798.79	1,046.17	491.19	-283.97	1.85	-1.63	-1.69	
5,180.00	30.95	21.80	4,875.96	1,089.56	507.36	-291.61	1.56	-0.04	3.03	
5,270.00	31.17	21.45	4,953.06	1,132.73	524.47	-300.23	0.32	0.24	-0.39	
5,360.00	31.47	21.62	5,029.95	1,176.24	541.64	-308.84	0.35	0.33	0.19	
5,450.00	32.62	24.08	5,106.23	1,220.23	560.20	-318.72	1.93	1.28	2.73	
5,539.00	30.95	23.65	5,181.88	1,263.10	579.17	-329.22	1.89	-1.88	-0.48	
5,629.00	32.44	23.82	5,258.46	1,306.39	598.20	-339.71	1.66	1.66	0.19	
5,718.00	33.41	22.85	5,333.16	1,350.80	617.36	-350.09	1.24	1.09	-1.09	
5,808.00	31.39	22.06	5,409.15	1,395.37	635.78	-359.74	2.29	-2.24	-0.88	
5,898.00	33.63	21.54	5,485.04	1,440.28	653.74	-368.86	2.51	2.49	-0.58	
5,987.00	31.91	21.54	5,559.88	1,485.08	671.43	-377.73	1.93	-1.93	0.00	
6,077.00	32.18	26.02	5,636.17	1,528.75	690.67	-388.35	2.66	0.30	4.98	
6,167.00	29.89	25.14	5,713.29	1,570.59	710.72	-400.10	2.59	-2.54	-0.98	
6,257.00	32.04	22.94	5,790.46	1,612.89	729.55	-410.57	2.70	2.39	-2.44	
6,346.00	32.79	22.50	5,865.59	1,656.89	747.98	-420.32	0.88	0.84	-0.49	
6,436.00	30.73	21.71	5,942.11	1,700.78	765.81	-429.51	2.34	-2.29	-0.88	
6,526.00	32.66	21.98	6,018.68	1,744.66	783.41	-438.47	2.15	2.14	0.30	
6,615.00	33.06	23.21	6,093.44	1,789.24	801.96	-448.24	0.87	0.45	1.38	
6,705.00	30.07	22.15	6,170.12	1,832.70	820.14	-457.85	3.38	-3.32	-1.18	
6,794.00	28.92	5.45	6,247.72	1,874.85	830.61	-460.14	9.30	-1.29	-18.76	
6,884.00	31.56	352.09	6,325.55	1,919.90	829.44	-450.45	8.01	2.93	-14.84	
6,974.00	28.57	341.11	6,403.49	1,963.63	819.22	-432.12	6.94	-3.32	-12.20	
7,063.00	32.18	328.45	6,480.34	2,004.02	799.90	-405.50	8.24	4.06	-14.22	
7,153.00	35.91	320.63	6,554.94	2,044.88	770.59	-368.98	6.38	4.14	-8.69	
7,243.00	43.91	315.97	6,623.93	2,087.80	732.09	-323.04	9.48	8.89	-5.18	
7,332.00	48.53	308.32	6,685.54	2,130.72	684.42	-268.09	8.08	5.19	-8.60	
7,422.00	53.23	299.09	6,742.39	2,169.23	626.35	-203.78	9.51	5.22	-10.26	
7,512.00	59.69	291.36	6,792.14	2,200.97	558.53	-131.17	10.13	7.18	-8.59	
7,601.00	63.21	286.35	6,834.69	2,226.16	484.58	-53.78	6.33	3.96	-5.63	
7,691.00	67.30	284.33	6,872.36	2,247.76	405.77	27.69	4.98	4.54	-2.24	
7,781.00	72.48	282.31	6,903.29	2,267.20	323.56	112.10	6.13	5.76	-2.24	
7,871.00	83.65	276.59	6,921.89	2,281.53	236.86	199.94	13.88	12.41	-6.36	
7,945.34	88.02	273.66	6,927.29	2,288.15	163.04	273.68	7.07	5.88	-3.95	
7,960.00	88.88	273.08	6,927.69	2,289.01	148.41	288.20	7.07	5.88	-3.93	
7,973.00	88.76	273.08	6,927.96	2,289.71	135.43	301.08	0.93	-0.93	0.00	
8,050.00	88.04	273.08	6,930.11	2,293.84	58.57	377.33	0.93	-0.93	0.00	

Survey Report

Company:	GREAT WESTERN OPERATING COMPANY	Local Co-ordinate Reference:	Well RAINDANCE FC 23-289HNX
Project:	WELD COUNTY	TVD Reference:	KB 20' @ 4808.00usft
Site:	SEC 30-T6N-R67W	MD Reference:	KB 20' @ 4808.00usft
Well:	RAINDANCE FC 23-289HNX	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM 5000.16 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,094.00	87.39	272.64	6,931.86	2,296.04	14.66	420.86	1.78	-1.48	-1.00
8,184.00	90.99	269.39	6,933.13	2,297.63	-75.29	509.48	5.39	4.00	-3.61
8,273.00	88.00	266.14	6,933.92	2,294.16	-164.20	596.12	4.96	-3.36	-3.65
8,363.00	88.53	268.42	6,936.64	2,289.89	-254.05	683.53	2.60	0.59	2.53
8,452.00	89.32	268.95	6,938.31	2,287.85	-343.01	770.49	1.07	0.89	0.60
8,542.00	90.02	269.39	6,938.83	2,286.55	-433.00	858.60	0.92	0.78	0.49
8,632.00	89.89	269.39	6,938.90	2,285.59	-522.99	946.78	0.14	-0.14	0.00
8,721.00	89.80	268.68	6,939.14	2,284.09	-611.98	1,033.87	0.80	-0.10	-0.80
8,811.00	89.63	268.51	6,939.59	2,281.88	-701.95	1,121.79	0.27	-0.19	-0.19
8,901.00	90.15	269.21	6,939.76	2,280.09	-791.93	1,209.80	0.97	0.58	0.78
8,990.00	90.20	268.33	6,939.49	2,278.18	-880.91	1,296.80	0.99	0.06	-0.99
9,080.00	90.29	268.95	6,939.11	2,276.04	-970.88	1,384.74	0.70	0.10	0.69
9,170.00	90.02	268.60	6,938.86	2,274.12	-1,060.86	1,472.72	0.49	-0.30	-0.39
9,259.00	90.42	268.86	6,938.52	2,272.15	-1,149.84	1,559.71	0.54	0.45	0.29
9,349.00	90.20	268.95	6,938.03	2,270.43	-1,239.82	1,647.74	0.26	-0.24	0.10
9,439.00	90.37	269.04	6,937.59	2,268.85	-1,329.81	1,735.79	0.21	0.19	0.10
9,529.00	90.29	269.39	6,937.07	2,267.62	-1,419.80	1,823.92	0.40	-0.09	0.39
9,618.00	92.48	269.21	6,934.92	2,266.53	-1,508.76	1,911.06	2.47	2.46	-0.20
9,708.00	92.35	268.86	6,931.12	2,265.02	-1,598.66	1,999.05	0.41	-0.14	-0.39
9,798.00	92.53	269.39	6,927.29	2,263.64	-1,688.57	2,087.07	0.62	0.20	0.59
9,887.00	91.87	268.51	6,923.88	2,262.01	-1,777.49	2,174.06	1.24	-0.74	-0.99
9,977.00	92.26	268.77	6,920.63	2,259.88	-1,867.41	2,261.94	0.52	0.43	0.29
10,067.00	92.40	269.12	6,916.97	2,258.22	-1,957.32	2,349.91	0.42	0.16	0.39
10,157.00	92.26	268.95	6,913.32	2,256.71	-2,047.23	2,437.91	0.24	-0.16	-0.19
10,246.00	93.76	269.65	6,908.64	2,255.62	-2,136.10	2,524.96	1.86	1.69	0.79
10,336.00	93.93	268.24	6,902.61	2,253.97	-2,225.88	2,612.79	1.57	0.19	-1.57
10,426.00	94.11	268.42	6,896.30	2,251.35	-2,315.62	2,700.41	0.28	0.20	0.20
10,516.00	94.15	268.68	6,889.82	2,249.08	-2,405.35	2,788.09	0.29	0.04	0.29
10,605.00	94.20	268.60	6,883.34	2,246.97	-2,494.09	2,874.82	0.11	0.06	-0.09
10,695.00	94.29	268.68	6,876.67	2,244.84	-2,583.82	2,962.52	0.13	0.10	0.09
10,785.00	94.24	268.60	6,869.98	2,242.71	-2,673.55	3,050.21	0.10	-0.06	-0.09
10,875.00	94.11	268.77	6,863.43	2,240.65	-2,763.28	3,137.93	0.24	-0.14	0.19
10,964.00	93.76	270.35	6,857.32	2,239.97	-2,852.07	3,224.98	1.81	-0.39	1.78
11,054.00	94.29	270.00	6,851.00	2,240.25	-2,941.85	3,313.18	0.71	0.59	-0.39
11,143.00	94.29	270.27	6,844.35	2,240.45	-3,030.60	3,400.36	0.30	0.00	0.30
11,233.00	93.98	270.00	6,837.86	2,240.67	-3,120.36	3,488.54	0.46	-0.34	-0.30
11,323.00	94.24	270.27	6,831.41	2,240.88	-3,210.13	3,576.72	0.42	0.29	0.30
11,412.00	94.33	270.53	6,824.76	2,241.50	-3,298.88	3,663.98	0.31	0.10	0.29
11,502.00	94.11	270.44	6,818.13	2,242.26	-3,388.63	3,752.25	0.26	-0.24	-0.10
11,592.00	94.11	270.35	6,811.68	2,242.88	-3,478.40	3,840.50	0.10	0.00	-0.10
11,681.00	93.10	269.83	6,806.09	2,243.02	-3,567.22	3,927.74	1.28	-1.13	-0.58
11,771.00	93.19	270.27	6,801.15	2,243.09	-3,657.08	4,015.99	0.50	0.10	0.49
11,861.00	92.79	270.18	6,796.45	2,243.45	-3,746.96	4,104.30	0.46	-0.44	-0.10

Survey Report

Company:	GREAT WESTERN OPERATING COMPANY	Local Co-ordinate Reference:	Well RAINDANCE FC 23-289HNX
Project:	WELD COUNTY	TVD Reference:	KB 20' @ 4808.00usft
Site:	SEC 30-T6N-R67W	MD Reference:	KB 20' @ 4808.00usft
Well:	RAINDANCE FC 23-289HNX	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM 5000.16 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
11,950.00	92.53	270.18	6,792.32	2,243.73	-3,835.86	4,191.65	0.29	-0.29	0.00	
12,040.00	92.62	270.27	6,788.28	2,244.08	-3,925.77	4,279.99	0.14	0.10	0.10	
12,130.00	92.66	270.27	6,784.13	2,244.50	-4,015.68	4,368.35	0.04	0.04	0.00	
12,220.00	92.84	270.44	6,779.82	2,245.06	-4,105.57	4,456.72	0.27	0.20	0.19	
12,309.00	92.79	270.00	6,775.45	2,245.40	-4,194.46	4,544.06	0.50	-0.06	-0.49	
12,399.00	92.84	270.44	6,771.03	2,245.75	-4,284.35	4,632.39	0.49	0.06	0.49	
12,489.00	92.22	270.00	6,767.05	2,246.09	-4,374.26	4,720.73	0.84	-0.69	-0.49	
12,578.00	92.35	270.44	6,763.50	2,246.43	-4,463.19	4,808.11	0.52	0.15	0.49	
12,668.00	92.79	270.79	6,759.47	2,247.40	-4,553.10	4,896.57	0.62	0.49	0.39	
12,758.00	93.80	270.27	6,754.30	2,248.23	-4,642.94	4,984.94	1.26	1.12	-0.58	
12,848.00	93.71	270.44	6,748.40	2,248.79	-4,732.75	5,073.23	0.21	-0.10	0.19	
12,937.00	93.67	270.09	6,742.67	2,249.20	-4,821.56	5,160.51	0.40	-0.04	-0.39	
13,027.00	93.67	270.27	6,736.91	2,249.48	-4,911.38	5,248.75	0.20	0.00	0.20	
13,116.00	93.67	270.09	6,731.22	2,249.76	-5,000.19	5,336.01	0.20	0.00	-0.20	
13,206.00	93.76	270.00	6,725.38	2,249.83	-5,090.00	5,424.20	0.14	0.10	-0.10	
13,296.00	93.01	269.74	6,720.07	2,249.62	-5,179.85	5,512.38	0.88	-0.83	-0.29	
13,385.00	92.53	267.72	6,715.77	2,247.65	-5,268.72	5,599.26	2.33	-0.54	-2.27	
13,475.00	92.57	268.33	6,711.77	2,244.55	-5,358.57	5,686.90	0.68	0.04	0.68	
13,565.00	92.48	268.42	6,707.80	2,242.01	-5,448.45	5,774.67	0.14	-0.10	0.10	
13,654.00	90.73	267.54	6,705.31	2,238.87	-5,537.35	5,861.37	2.20	-1.97	-0.99	
13,744.00	89.45	268.33	6,705.17	2,235.63	-5,627.29	5,949.06	1.67	-1.42	0.88	
13,834.00	90.07	270.27	6,705.54	2,234.53	-5,717.28	6,037.21	2.26	0.69	2.16	
13,923.00	90.11	269.48	6,705.40	2,234.33	-5,806.28	6,124.55	0.89	0.04	-0.89	
14,013.00	89.93	270.00	6,705.37	2,233.92	-5,896.28	6,212.84	0.61	-0.20	0.58	
14,103.00	90.07	270.09	6,705.37	2,233.99	-5,986.28	6,301.23	0.18	0.16	0.10	
14,193.00	90.07	270.09	6,705.26	2,234.14	-6,076.28	6,389.62	0.00	0.00	0.00	
14,282.00	90.07	270.27	6,705.15	2,234.42	-6,165.28	6,477.06	0.20	0.00	0.20	
14,372.00	89.93	269.91	6,705.15	2,234.56	-6,255.28	6,565.45	0.43	-0.16	-0.40	
14,462.00	89.98	270.00	6,705.22	2,234.49	-6,345.28	6,653.81	0.11	0.06	0.10	
14,552.00	90.11	270.09	6,705.15	2,234.56	-6,435.28	6,742.19	0.18	0.14	0.10	
14,642.00	90.07	270.00	6,705.01	2,234.63	-6,525.28	6,830.57	0.11	-0.04	-0.10	
14,731.00	89.98	270.00	6,704.97	2,234.63	-6,614.28	6,917.96	0.10	-0.10	0.00	
14,821.00	89.98	270.00	6,705.00	2,234.63	-6,704.28	7,006.33	0.00	0.00	0.00	
14,911.00	90.02	270.09	6,705.00	2,234.70	-6,794.28	7,094.71	0.11	0.04	0.10	
15,001.00	90.02	270.00	6,704.97	2,234.77	-6,884.28	7,183.09	0.10	0.00	-0.10	
15,090.00	89.93	270.00	6,705.01	2,234.77	-6,973.28	7,270.47	0.10	-0.10	0.00	
15,180.00	90.07	270.09	6,705.01	2,234.84	-7,063.28	7,358.86	0.18	0.16	0.10	
15,270.00	90.07	270.00	6,704.90	2,234.91	-7,153.28	7,447.24	0.10	0.00	-0.10	
15,359.00	89.98	269.74	6,704.86	2,234.71	-7,242.28	7,534.58	0.31	-0.10	-0.29	
15,449.00	90.02	270.09	6,704.86	2,234.58	-7,332.28	7,622.93	0.39	0.04	0.39	
15,539.00	89.93	269.91	6,704.90	2,234.58	-7,422.28	7,711.30	0.22	-0.10	-0.20	
15,628.00	90.07	269.91	6,704.90	2,234.44	-7,511.28	7,798.66	0.16	0.16	0.00	
15,718.00	89.89	270.09	6,704.93	2,234.44	-7,601.28	7,887.02	0.28	-0.20	0.20	

Survey Report

Company:	GREAT WESTERN OPERATING COMPANY	Local Co-ordinate Reference:	Well RAINDANCE FC 23-289HNX
Project:	WELD COUNTY	TVD Reference:	KB 20' @ 4808.00usft
Site:	SEC 30-T6N-R67W	MD Reference:	KB 20' @ 4808.00usft
Well:	RAINDANCE FC 23-289HNX	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM 5000.16 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
15,808.00	89.80	269.74	6,705.18	2,234.30	-7,691.28	7,975.37	0.40	-0.10	-0.39	
15,897.00	89.98	270.00	6,705.35	2,234.10	-7,780.27	8,062.71	0.36	0.20	0.29	
15,987.00	90.07	270.09	6,705.31	2,234.17	-7,870.27	8,151.09	0.14	0.10	0.10	
16,077.00	89.93	269.91	6,705.31	2,234.17	-7,960.27	8,239.46	0.25	-0.16	-0.20	
16,166.00	90.02	269.91	6,705.35	2,234.03	-8,049.27	8,326.82	0.10	0.10	0.00	
16,256.00	90.02	270.09	6,705.32	2,234.03	-8,139.27	8,415.19	0.20	0.00	0.20	
16,346.00	89.98	270.09	6,705.32	2,234.17	-8,229.27	8,503.58	0.04	-0.04	0.00	
16,435.00	90.02	270.27	6,705.32	2,234.45	-8,318.27	8,591.02	0.21	0.04	0.20	
16,525.00	90.07	270.27	6,705.25	2,234.88	-8,408.27	8,679.47	0.06	0.06	0.00	
16,615.00	90.64	270.27	6,704.69	2,235.30	-8,498.27	8,767.92	0.63	0.63	0.00	
16,704.00	90.24	268.24	6,704.00	2,234.14	-8,587.25	8,855.07	2.32	-0.45	-2.28	
16,794.00	90.02	268.33	6,703.80	2,231.45	-8,677.21	8,942.89	0.26	-0.24	0.10	
16,884.00	89.98	268.07	6,703.80	2,228.62	-8,767.17	9,030.67	0.29	-0.04	-0.29	
16,973.00	90.02	268.51	6,703.80	2,225.97	-8,856.13	9,117.52	0.50	0.04	0.49	
17,063.00	89.98	268.42	6,703.80	2,223.56	-8,946.10	9,205.40	0.11	-0.04	-0.10	
17,153.00	90.07	268.42	6,703.76	2,221.07	-9,036.06	9,293.26	0.10	0.10	0.00	
17,242.00	90.15	268.42	6,703.59	2,218.62	-9,125.03	9,380.15	0.09	0.09	0.00	
17,332.00	90.15	268.42	6,703.35	2,216.14	-9,214.99	9,468.01	0.00	0.00	0.00	
17,422.00	89.93	268.33	6,703.29	2,213.59	-9,304.96	9,555.86	0.26	-0.24	-0.10	
17,511.00	90.02	268.42	6,703.33	2,211.06	-9,393.92	9,642.73	0.14	0.10	0.10	
17,601.00	89.10	269.39	6,704.02	2,209.34	-9,483.90	9,730.76	1.49	-1.02	1.08	
17,691.00	89.63	270.71	6,705.02	2,209.42	-9,573.89	9,819.13	1.58	0.59	1.47	
17,781.00	89.54	270.62	6,705.67	2,210.47	-9,663.89	9,907.69	0.14	-0.10	-0.10	
17,870.00	89.58	270.62	6,706.35	2,211.43	-9,752.88	9,995.25	0.04	0.04	0.00	
17,960.00	89.50	270.35	6,707.08	2,212.19	-9,842.87	10,083.76	0.31	-0.09	-0.30	
18,049.00	89.54	270.44	6,707.82	2,212.80	-9,931.87	10,171.25	0.11	0.04	0.10	
18,139.00	89.58	270.71	6,708.51	2,213.71	-10,021.86	10,259.79	0.30	0.04	0.30	
18,229.00	89.76	270.18	6,709.03	2,214.41	-10,111.85	10,348.28	0.62	0.20	-0.59	
18,319.00	89.76	270.09	6,709.41	2,214.62	-10,201.85	10,436.69	0.10	0.00	-0.10	
18,408.00	89.23	270.53	6,710.19	2,215.10	-10,290.85	10,524.16	0.77	-0.60	0.49	
18,498.00	90.20	271.41	6,710.64	2,216.62	-10,380.83	10,612.80	1.46	1.08	0.98	
18,588.00	91.91	271.94	6,708.98	2,219.25	-10,470.77	10,701.61	1.99	1.90	0.59	
18,677.00	94.15	272.81	6,704.28	2,222.94	-10,559.57	10,789.49	2.70	2.52	0.98	
18,767.00	96.40	273.61	6,696.01	2,227.95	-10,649.04	10,878.29	2.65	2.50	0.89	
18,856.00	98.59	274.05	6,684.40	2,233.85	-10,737.08	10,965.85	2.51	2.46	0.49	
18,946.00	100.40	273.96	6,669.55	2,240.04	-10,825.62	11,053.97	2.01	2.01	-0.10	
19,036.00	102.55	274.31	6,651.65	2,246.40	-10,913.59	11,141.55	2.42	2.39	0.39	
19,126.00	104.53	275.63	6,630.58	2,253.98	-11,000.75	11,228.56	2.62	2.20	1.47	
19,215.00	106.37	276.77	6,606.87	2,263.24	-11,086.03	11,314.05	2.41	2.07	1.28	
19,305.00	107.69	277.65	6,580.51	2,274.04	-11,171.40	11,399.92	1.74	1.47	0.98	
19,395.00	109.85	278.88	6,551.55	2,286.28	-11,255.72	11,485.03	2.73	2.40	1.37	
19,485.00	112.18	279.58	6,519.28	2,299.75	-11,338.64	11,569.01	2.69	2.59	0.78	
19,574.00	114.02	279.41	6,484.36	2,313.25	-11,419.38	11,650.84	2.07	2.07	-0.19	
19,664.00	115.96	279.32	6,446.34	2,326.53	-11,499.87	11,732.38	2.16	2.16	-0.10	

Survey Report

Company:	GREAT WESTERN OPERATING COMPANY	Local Co-ordinate Reference:	Well RAINDANCE FC 23-289HNX
Project:	WELD COUNTY	TVD Reference:	KB 20' @ 4808.00usft
Site:	SEC 30-T6N-R67W	MD Reference:	KB 20' @ 4808.00usft
Well:	RAINDANCE FC 23-289HNX	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM 5000.16 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
19,754.00	116.62	278.35	6,406.48	2,338.92	-11,579.60	11,813.02	1.21	0.73	-1.08	
19,843.00	117.36	277.47	6,366.09	2,349.84	-11,658.15	11,892.21	1.21	0.83	-0.99	
19,933.00	117.50	275.98	6,324.63	2,359.19	-11,737.48	11,971.87	1.48	0.16	-1.66	
20,023.00	118.11	274.66	6,282.64	2,366.58	-11,816.74	12,051.10	1.46	0.68	-1.47	
20,112.00	118.42	273.43	6,240.50	2,372.11	-11,894.93	12,128.92	1.27	0.35	-1.38	
20,202.00	118.33	271.94	6,197.72	2,375.82	-11,974.03	12,207.29	1.46	-0.10	-1.66	
20,292.00	118.46	270.71	6,154.92	2,377.65	-12,053.17	12,285.35	1.21	0.14	-1.37	
20,381.00	119.03	269.83	6,112.12	2,378.02	-12,131.20	12,362.03	1.08	0.64	-0.99	
20,410.00	119.33	269.88	6,097.98	2,377.95	-12,156.52	12,386.88	1.05	1.03	0.19	
20,422.79	119.46	269.91	6,091.70	2,377.93	-12,167.67	12,397.82	1.05	1.03	0.19	
20,471.00	119.96	270.00	6,067.81	2,377.90	-12,209.54	12,438.92	1.05	1.03	0.19	
20,541.00	120.12	269.48	6,032.76	2,377.63	-12,270.13	12,498.37	0.68	0.23	-0.74	
20,546.00	120.13	269.45	6,030.26	2,377.59	-12,274.46	12,502.61	0.68	0.23	-0.74	
20,566.00	120.18	269.30	6,020.21	2,377.40	-12,291.75	12,519.55	0.68	0.23	-0.74	
20,590.00	120.18	269.30	6,008.14	2,377.15	-12,312.50	12,539.87	0.00	0.00	0.00	