

Bayswater Exploration & Production, LLC

Well Name: **Kaiser G-10HN**

Surface Location: Kaiser 10-D Pad Sec.10-T6N-R65W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

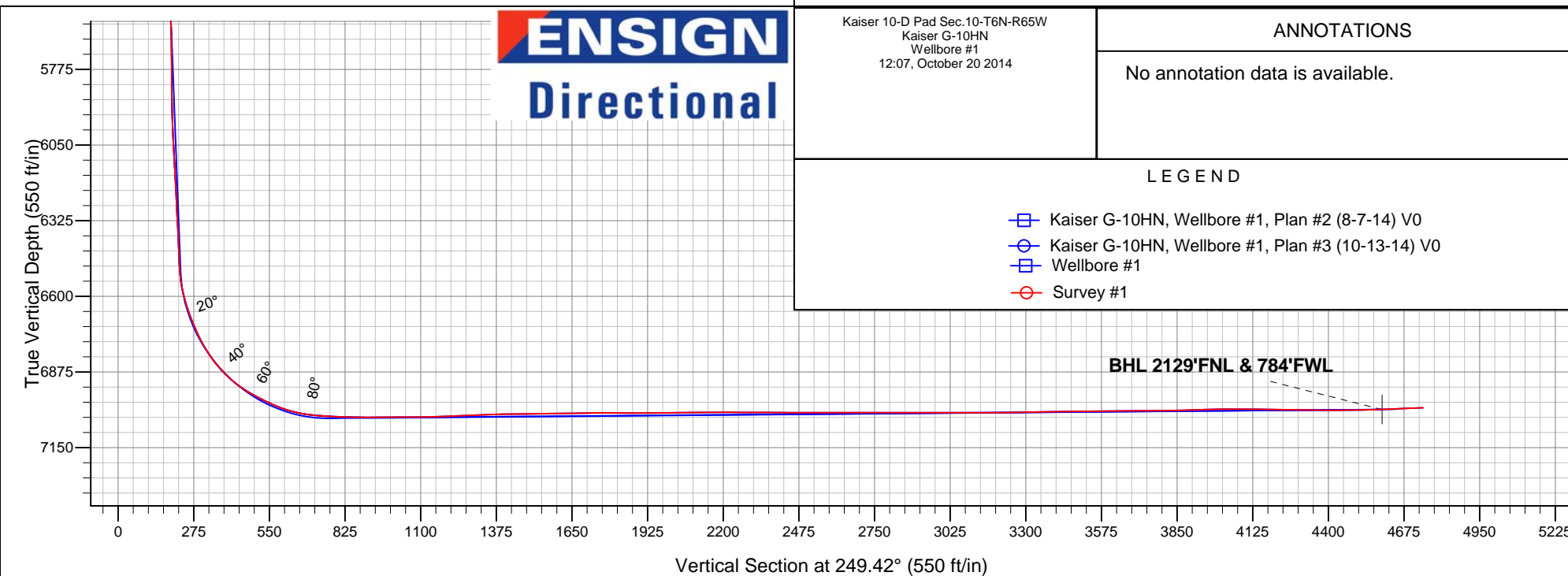
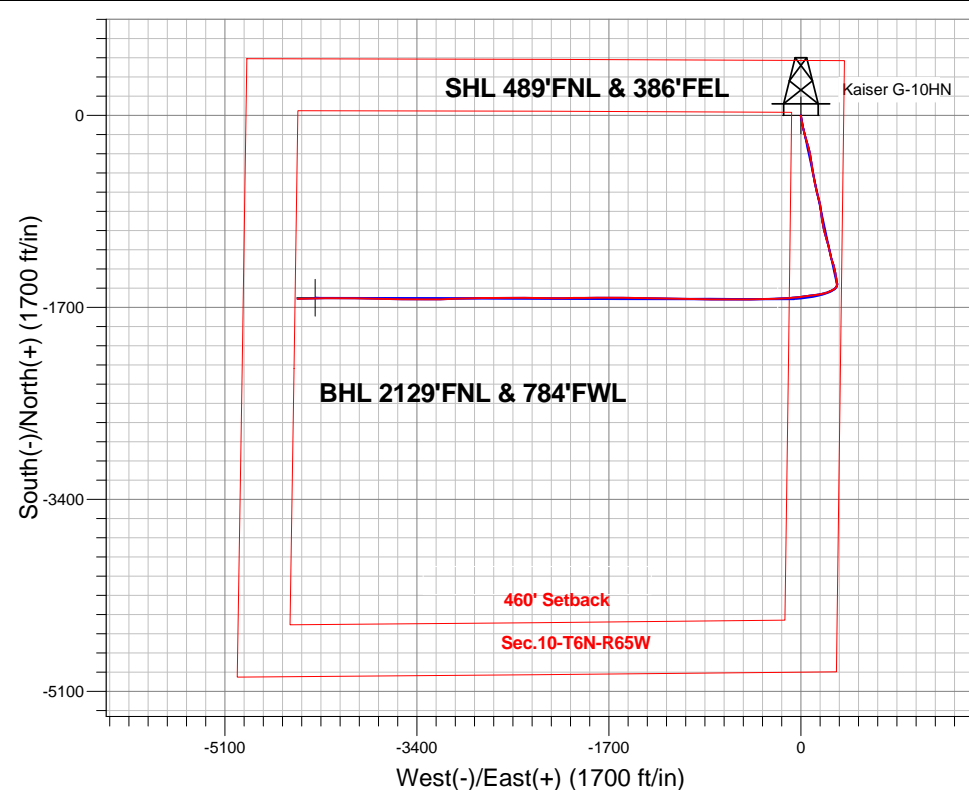
Ground Elevation: 4801.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1428752.30	3238793.73	40.507152	-104.641233	

RKB - 22.5 WELL @ 4823.5ft (RKB - 22.5)

FINAL SURVEY

Projected Bottom Hole Location
11800'MD 7005'TVD 1624S & 4457'W of
SHL 92.6 degree Incl @ 268.0 degree AZM





Bayswater Exploration & Production, LLC

SEC.10-T6N-R65W

Kaiser 10-D Pad Sec.10-T6N-R65W

Kaiser G-10HN

Wellbore #1

Survey: Survey #1

Standard Survey Report

20 October, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Kaiser G-10HN
Project:	SEC.10-T6N-R65W	TVD Reference:	WELL @ 4823.5ft (RKB - 22.5)
Site:	Kaiser 10-D Pad Sec.10-T6N-R65W	MD Reference:	WELL @ 4823.5ft (RKB - 22.5)
Well:	Kaiser G-10HN	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.10-T6N-R65W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	Kaiser 10-D Pad Sec.10-T6N-R65W		
Site Position:		Northing:	1,428,828.36ft
From:	Lat/Long	Easting:	3,238,745.72ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40.507362
		Longitude:	-104.641403
		Grid Convergence:	0.55 °

Well	Kaiser G-10HN					
Well Position	+N/-S	0.0 ft	Northing:	1,428,752.30 ft	Latitude:	40.507152
	+E/-W	0.0 ft	Easting:	3,238,793.73 ft	Longitude:	-104.641233
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,801.0ft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/28/2014	8.39	67.05	52,872

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	249.42	

Survey Program	Date	10/20/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
131.0	11,800.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

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	
1.0	0.01	194.20	1.0	0.0	0.0	0.0	0.53	0.53	0.00	
SHL 489'FNL & 386'FEL										
131.0	0.70	194.20	131.0	-0.8	-0.2	0.5	0.53	0.53	0.00	
223.0	0.90	203.20	223.0	-2.0	-0.6	1.3	0.26	0.22	9.78	
315.0	1.10	183.00	315.0	-3.5	-0.9	2.1	0.44	0.22	-21.96	
412.0	1.80	157.70	411.9	-5.9	-0.4	2.5	0.96	0.72	-26.08	
499.0	3.20	159.90	498.9	-9.4	0.9	2.4	1.61	1.61	2.53	
592.0	5.50	171.50	591.6	-16.3	2.5	3.4	2.64	2.47	12.47	
684.0	7.10	170.80	683.0	-26.2	4.0	5.4	1.74	1.74	-0.76	
708.0	7.70	171.00	706.8	-29.3	4.5	6.1	2.50	2.50	0.83	
785.0	8.30	170.30	783.1	-39.9	6.3	8.1	0.79	0.78	-0.91	
833.0	9.00	170.10	830.5	-47.0	7.5	9.5	1.46	1.46	-0.42	

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Site:	Kaiser 10-D Pad Sec.10-T6N-R65W	MD Reference:	WELL @ 4823.5ft (RKB - 22.5)
Well:	Kaiser G-10HN	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

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)
929.0	11.60	168.70	925.0	-63.8	10.7	12.4	2.72	2.71	-1.46
1,021.0	13.80	169.60	1,014.7	-83.7	14.5	15.9	2.40	2.39	0.98
1,113.0	15.30	166.80	1,103.8	-106.3	19.2	19.4	1.80	1.63	-3.04
1,205.0	15.40	167.30	1,192.5	-130.0	24.7	22.6	0.18	0.11	0.54
1,297.0	15.30	166.90	1,281.2	-153.8	30.1	25.9	0.16	-0.11	-0.43
1,390.0	15.00	165.40	1,371.0	-177.4	35.9	28.7	0.53	-0.32	-1.61
1,482.0	14.90	164.50	1,459.9	-200.3	42.1	31.0	0.27	-0.11	-0.98
1,574.0	14.30	162.20	1,548.9	-222.5	48.7	32.6	0.91	-0.65	-2.50
1,666.0	15.50	165.20	1,637.8	-245.2	55.4	34.4	1.55	1.30	3.26
1,758.0	14.70	162.40	1,726.6	-268.2	62.0	36.2	1.18	-0.87	-3.04
1,850.0	14.70	165.40	1,815.6	-290.7	68.5	38.1	0.83	0.00	3.26
1,943.0	15.20	165.40	1,905.5	-313.9	74.5	40.6	0.54	0.54	0.00
2,035.0	14.90	171.50	1,994.3	-337.2	79.3	44.3	1.75	-0.33	6.63
2,127.0	16.30	171.70	2,082.9	-361.7	82.9	49.5	1.52	1.52	0.22
2,219.0	15.70	167.60	2,171.4	-386.7	87.5	54.0	1.39	-0.65	-4.46
2,311.0	15.50	171.20	2,260.0	-411.0	92.0	58.3	1.07	-0.22	3.91
2,407.0	14.80	171.20	2,352.6	-435.8	95.9	63.4	0.73	-0.73	0.00
2,502.0	13.70	167.30	2,444.7	-458.7	100.2	67.5	1.54	-1.16	-4.11
2,597.0	13.60	171.00	2,537.0	-480.7	104.4	71.2	0.92	-0.11	3.89
2,693.0	13.70	174.50	2,630.3	-503.2	107.3	76.5	0.87	0.10	3.65
2,788.0	15.10	173.10	2,722.3	-526.7	109.8	82.3	1.52	1.47	-1.47
2,883.0	15.70	169.40	2,813.9	-551.6	113.7	87.5	1.21	0.63	-3.89
2,979.0	14.40	167.80	2,906.6	-576.0	118.6	91.5	1.42	-1.35	-1.67
3,074.0	15.00	166.20	2,998.5	-599.5	124.0	94.6	0.76	0.63	-1.68
3,169.0	15.70	169.20	3,090.1	-624.1	129.4	98.3	1.11	0.74	3.16
3,264.0	14.40	167.60	3,181.9	-648.2	134.3	102.1	1.44	-1.37	-1.68
3,360.0	14.90	166.80	3,274.8	-671.9	139.7	105.4	0.56	0.52	-0.83
3,455.0	14.30	162.90	3,366.7	-695.0	145.9	107.7	1.21	-0.63	-4.11
3,550.0	13.70	166.10	3,458.9	-717.2	152.1	109.7	1.03	-0.63	3.37
3,645.0	13.30	167.30	3,551.2	-738.7	157.2	112.5	0.51	-0.42	1.26
3,741.0	13.20	165.00	3,644.7	-760.1	162.5	115.1	0.56	-0.10	-2.40
3,836.0	13.50	167.10	3,737.1	-781.4	167.7	117.7	0.60	0.32	2.21
3,931.0	14.70	172.90	3,829.3	-804.2	171.7	121.9	1.95	1.26	6.11
4,026.0	15.20	172.00	3,921.0	-828.5	174.9	127.5	0.58	0.53	-0.95
4,121.0	15.90	172.40	4,012.6	-853.7	178.4	133.1	0.75	0.74	0.42
4,216.0	16.70	174.30	4,103.7	-880.2	181.5	139.5	1.01	0.84	2.00
4,312.0	16.50	172.20	4,195.7	-907.4	184.7	146.1	0.66	-0.21	-2.19
4,407.0	14.80	168.50	4,287.2	-932.7	188.9	151.0	2.07	-1.79	-3.89
4,502.0	14.40	168.20	4,379.2	-956.1	193.8	154.7	0.43	-0.42	-0.32
4,598.0	13.50	170.50	4,472.3	-978.9	198.1	158.7	1.10	-0.94	2.40
4,693.0	13.50	167.60	4,564.7	-1,000.6	202.3	162.4	0.71	0.00	-3.05
4,788.0	14.90	168.00	4,656.8	-1,023.4	207.2	165.8	1.48	1.47	0.42
4,884.0	15.20	164.70	4,749.5	-1,047.6	213.1	168.8	0.95	0.31	-3.44
4,979.0	14.20	162.90	4,841.4	-1,070.8	219.8	170.7	1.16	-1.05	-1.89
5,074.0	14.50	162.90	4,933.4	-1,093.3	226.7	172.1	0.32	0.32	0.00
5,169.0	14.50	162.70	5,025.4	-1,116.0	233.8	173.5	0.05	0.00	-0.21
5,265.0	15.20	165.50	5,118.2	-1,139.6	240.5	175.5	1.04	0.73	2.92
5,360.0	18.00	166.60	5,209.2	-1,166.0	247.0	178.7	2.97	2.95	1.16
5,455.0	15.70	170.30	5,300.1	-1,192.9	252.6	182.9	2.67	-2.42	3.89
5,551.0	15.10	167.10	5,392.7	-1,217.9	257.5	187.0	1.08	-0.63	-3.33
5,646.0	13.60	164.00	5,484.7	-1,240.7	263.4	189.6	1.77	-1.58	-3.26
5,741.0	13.20	164.30	5,577.1	-1,261.9	269.4	191.4	0.43	-0.42	0.32
5,836.0	11.30	164.50	5,670.0	-1,281.3	274.8	193.2	2.00	-2.00	0.21
5,931.0	12.60	161.70	5,762.9	-1,300.1	280.6	194.4	1.50	1.37	-2.95

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Well:	Kaiser G-10HN	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

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)
6,026.0	14.60	159.40	5,855.3	-1,321.2	288.0	194.8	2.18	2.11	-2.42
6,122.0	15.70	168.40	5,947.9	-1,345.2	294.9	196.8	2.70	1.15	9.38
6,217.0	16.10	167.60	6,039.3	-1,370.7	300.3	200.7	0.48	0.42	-0.84
6,312.0	15.30	172.40	6,130.8	-1,396.0	304.8	205.4	1.61	-0.84	5.05
6,407.0	14.30	169.90	6,222.6	-1,420.0	308.5	210.3	1.25	-1.05	-2.63
6,503.0	14.50	171.20	6,315.6	-1,443.5	312.4	215.0	0.40	0.21	1.35
6,598.0	14.70	168.90	6,407.5	-1,467.1	316.6	219.4	0.65	0.21	-2.42
6,641.0	13.60	167.50	6,449.2	-1,477.4	318.7	221.0	2.68	-2.56	-3.26
6,689.0	14.90	172.00	6,495.7	-1,489.0	320.8	223.1	3.56	2.71	9.38
6,736.0	15.30	189.30	6,541.1	-1,501.1	320.6	227.5	9.59	0.85	36.81
6,784.0	17.20	206.30	6,587.2	-1,513.7	316.5	235.9	10.63	3.96	35.42
6,831.0	19.70	221.30	6,631.9	-1,525.9	308.2	247.9	11.37	5.32	31.91
6,879.0	21.00	237.80	6,676.9	-1,536.6	295.5	263.5	12.22	2.71	34.38
6,926.0	24.10	240.10	6,720.3	-1,545.9	280.1	281.2	6.86	6.60	4.89
6,974.0	28.00	243.90	6,763.4	-1,555.7	261.5	302.1	8.83	8.13	7.92
7,021.0	33.20	249.60	6,803.9	-1,565.1	239.5	326.0	12.66	11.06	12.13
7,070.0	38.10	254.80	6,843.7	-1,573.7	212.3	354.5	11.75	10.00	10.61
7,117.0	44.80	258.00	6,878.9	-1,581.0	182.1	385.3	14.95	14.26	6.81
7,165.0	51.20	261.00	6,911.0	-1,587.4	147.0	420.4	14.12	13.33	6.25
7,212.0	57.80	262.60	6,938.3	-1,592.8	109.1	457.8	14.31	14.04	3.40
7,260.0	63.00	263.10	6,962.0	-1,598.0	67.7	498.3	10.87	10.83	1.04
7,307.0	64.40	262.70	6,982.8	-1,603.2	25.9	539.3	3.07	2.98	-0.85
7,356.0	68.80	263.10	7,002.3	-1,608.8	-18.7	583.0	9.01	8.98	0.82
7,403.0	75.20	264.50	7,016.8	-1,613.6	-63.1	626.3	13.91	13.62	2.98
7,451.0	80.60	266.30	7,026.8	-1,617.4	-109.9	671.4	11.83	11.25	3.75
7,518.0	86.40	267.70	7,034.4	-1,620.8	-176.3	734.8	8.90	8.66	2.09
7,591.0	87.90	268.00	7,038.0	-1,623.6	-249.2	804.0	2.10	2.05	0.41
7,654.0	89.10	268.20	7,039.7	-1,625.7	-312.1	863.7	1.93	1.90	0.32
7,748.0	90.70	269.40	7,039.9	-1,627.6	-406.1	952.3	2.13	1.70	1.28
7,843.0	90.00	268.70	7,039.3	-1,629.2	-501.1	1,041.8	1.04	-0.74	-0.74
7,937.0	91.20	270.50	7,038.3	-1,629.9	-595.0	1,130.0	2.30	1.28	1.91
8,032.0	92.20	270.30	7,035.5	-1,629.2	-690.0	1,218.7	1.07	1.05	-0.21
8,126.0	92.40	271.20	7,031.7	-1,628.0	-783.9	1,306.2	0.98	0.21	0.96
8,221.0	91.10	270.70	7,028.8	-1,626.4	-878.9	1,394.5	1.47	-1.37	-0.53
8,315.0	90.70	271.40	7,027.3	-1,624.7	-972.8	1,481.9	0.86	-0.43	0.74
8,409.0	90.30	271.50	7,026.5	-1,622.3	-1,066.8	1,569.0	0.44	-0.43	0.11
8,504.0	91.00	271.00	7,025.4	-1,620.2	-1,161.8	1,657.2	0.91	0.74	-0.53
8,598.0	90.80	270.50	7,023.9	-1,619.0	-1,255.7	1,744.7	0.57	-0.21	-0.53
8,692.0	89.10	270.80	7,024.0	-1,617.9	-1,349.7	1,832.4	1.84	-1.81	0.32
8,787.0	90.80	271.00	7,024.1	-1,616.4	-1,444.7	1,920.8	1.80	1.79	0.21
8,881.0	90.60	270.50	7,023.0	-1,615.2	-1,538.7	2,008.3	0.57	-0.21	-0.53
8,975.0	90.30	269.20	7,022.2	-1,615.4	-1,632.7	2,096.4	1.42	-0.32	-1.38
9,070.0	90.00	269.80	7,022.0	-1,616.3	-1,727.7	2,185.6	0.71	-0.32	0.63
9,164.0	90.20	270.00	7,021.8	-1,616.4	-1,821.7	2,273.7	0.30	0.21	0.21
9,259.0	89.60	270.30	7,022.0	-1,616.2	-1,916.7	2,362.5	0.71	-0.63	0.32
9,353.0	89.00	269.60	7,023.1	-1,616.3	-2,010.7	2,450.5	0.98	-0.64	-0.74
9,448.0	90.80	269.40	7,023.3	-1,617.1	-2,105.7	2,539.8	1.91	1.89	-0.21
9,542.0	90.20	270.10	7,022.5	-1,617.5	-2,199.7	2,627.9	0.98	-0.64	0.74
9,636.0	89.50	270.30	7,022.7	-1,617.2	-2,293.7	2,715.8	0.77	-0.74	0.21
9,731.0	89.50	270.50	7,023.5	-1,616.5	-2,388.7	2,804.5	0.21	0.00	0.21
9,825.0	90.70	270.10	7,023.4	-1,616.0	-2,482.7	2,892.3	1.35	1.28	-0.43
9,920.0	89.80	270.50	7,023.0	-1,615.5	-2,577.7	2,981.1	1.04	-0.95	0.42
10,015.0	90.00	270.30	7,023.1	-1,614.9	-2,672.7	3,069.8	0.30	0.21	-0.21
10,109.0	89.90	269.10	7,023.2	-1,615.4	-2,766.7	3,157.9	1.28	-0.11	-1.28

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Site:	Kaiser 10-D Pad Sec.10-T6N-R65W	MD Reference:	WELL @ 4823.5ft (RKB - 22.5)
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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
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Survey									
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10,204.0	90.80	268.20	7,022.6	-1,617.6	-2,861.6	3,247.6	1.34	0.95	-0.95
10,298.0	91.10	268.00	7,021.1	-1,620.7	-2,955.6	3,336.7	0.38	0.32	-0.21
10,392.0	91.40	268.40	7,019.0	-1,623.7	-3,049.5	3,425.6	0.53	0.32	0.43
10,487.0	90.50	268.20	7,017.5	-1,626.5	-3,144.4	3,515.5	0.97	-0.95	-0.21
10,581.0	90.40	269.60	7,016.7	-1,628.3	-3,238.4	3,604.1	1.49	-0.11	1.49
10,675.0	90.10	270.00	7,016.3	-1,628.6	-3,332.4	3,692.2	0.53	-0.32	0.43
10,770.0	90.40	270.70	7,015.9	-1,628.0	-3,427.4	3,781.0	0.80	0.32	0.74
10,865.0	91.70	270.80	7,014.1	-1,626.8	-3,522.4	3,869.4	1.37	1.37	0.11
10,959.0	91.10	270.50	7,011.8	-1,625.7	-3,616.3	3,957.0	0.71	-0.64	-0.32
11,053.0	90.60	271.40	7,010.5	-1,624.2	-3,710.3	4,044.5	1.10	-0.53	0.96
11,148.0	89.50	271.50	7,010.4	-1,621.8	-3,805.3	4,132.5	1.16	-1.16	0.11
11,242.0	88.80	270.10	7,011.8	-1,620.5	-3,899.3	4,220.0	1.67	-0.74	-1.49
11,336.0	89.20	271.50	7,013.4	-1,619.1	-3,993.2	4,307.6	1.55	0.43	1.49
11,431.0	90.00	270.10	7,014.1	-1,617.8	-4,088.2	4,396.0	1.70	0.84	-1.47
11,494.0	90.40	269.80	7,013.9	-1,617.9	-4,151.2	4,455.0	0.79	0.63	-0.48
11,644.4	91.67	268.77	7,011.1	-1,619.7	-4,301.6	4,596.5	1.09	0.85	-0.69
BHL 2120'FNL & 629'FWL									
11,683.0	92.00	268.50	7,009.9	-1,620.7	-4,340.2	4,632.9	1.09	0.85	-0.69
11,745.0	92.60	268.00	7,007.4	-1,622.6	-4,402.1	4,691.5	1.26	0.97	-0.81
11,800.0	92.60	268.00	7,004.9	-1,624.5	-4,457.0	4,743.6	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____