

Confluence Resources

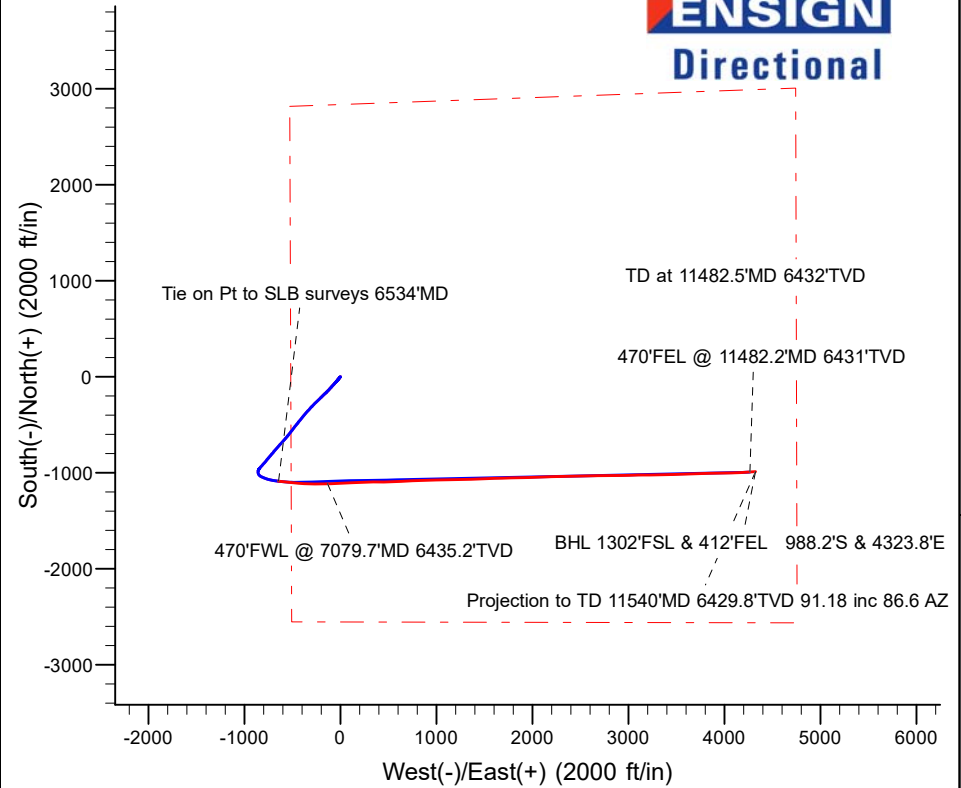


Well Name: Bigfoot 11-10-3
 Surface Location: Bigfoot Pad - SEC.11-T4N-R63W
 North American Datum 1983, US State Plane 1983, Colorado Northern Zone
 Ground Elevation: 4616.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1363562.73	3303109.77	40.326280	-104.412830	
		Akita KB 16.7		RKB @ 4632.7ft (Akita KB 16.7)		

ANNOTATIONS

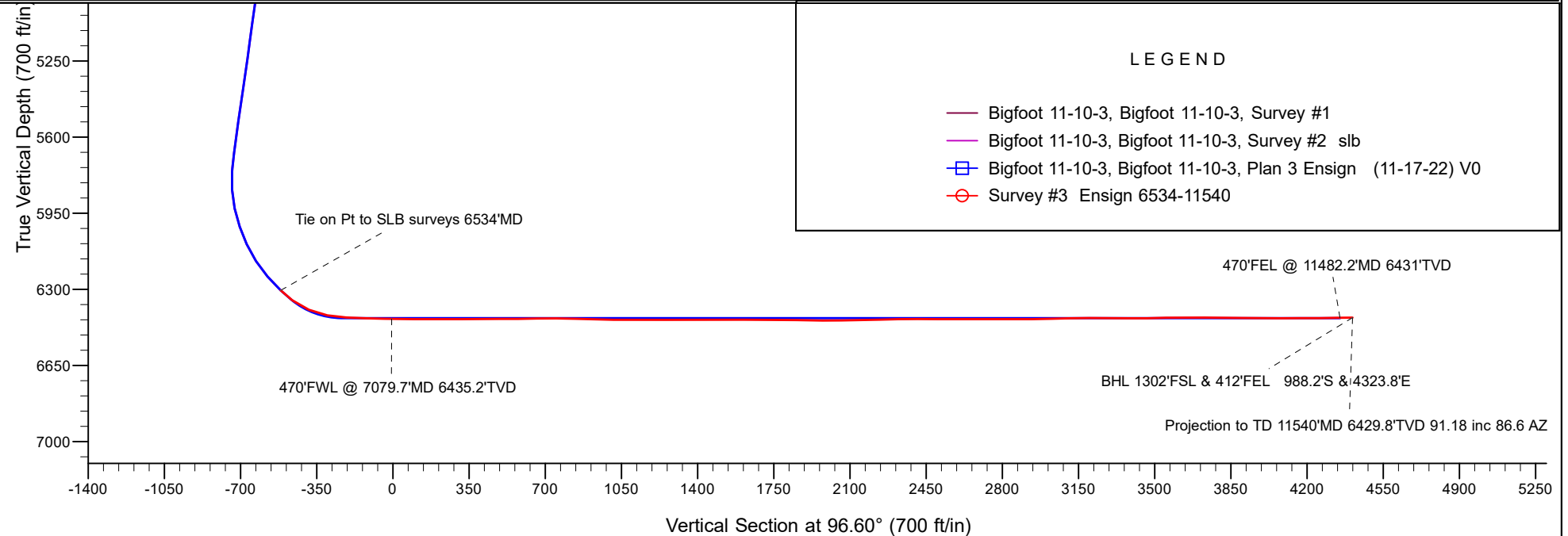
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
6534.0	46.10	95.41	6304.5	-1088.4	-644.6	-515.3	0.0	Tie on Pt to SLB surveys 6534'MD
7079.7	89.18	87.38	6435.2	-1113.9	-133.8	-4.9	512.2	470'FWL @ 7079.7'MD 6435.2'TVD
11482.2	91.18	86.60	6431.0	-991.7	4266.2	4351.8	4914.3	470'FEL @ 11482.2'MD 6431'TVD
11540.0	91.18	86.60	6429.8	-988.2	4323.8	4408.8	4972.0	Projection to TD 11540'MD 6429.8'TVD 91.18 inc 86.6 AZ
11540.0	91.18	86.60	6429.8	-988.2	4323.8	4408.8	4972.0	BHL 1302'FSL & 412'FEL 988.2'S & 4323.8'E



Final Survey 0- 11540'MD

Projection to TD 11540'MD 6429.8'TVD 91.18 inc 86.6 AZ

BHL 1302'FSL & 412.4'FEL SEC.11 988.2'S & 4323.8'E of SHL



LEGEND

- Bigfoot 11-10-3, Bigfoot 11-10-3, Survey #1
- Bigfoot 11-10-3, Bigfoot 11-10-3, Survey #2 slb
- Bigfoot 11-10-3, Bigfoot 11-10-3, Plan 3 Ensign (11-17-22) V0
- Survey #3 Ensign 6534-11540



Confluence Resources

SEC. 11-T4N-R63W

Bigfoot Pad - SEC.11-T4N-R63W

Bigfoot 11-10-3

Bigfoot 11-10-3

Survey: Survey #3 Ensign 6534-11540

Standard Survey Report

21 November, 2022

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Bigfoot 11-10-3
Project:	SEC. 11-T4N-R63W	TVD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Site:	Bigfoot Pad - SEC.11-T4N-R63W	MD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Well:	Bigfoot 11-10-3	North Reference:	True
Wellbore:	Bigfoot 11-10-3	Survey Calculation Method:	Minimum Curvature
Design:	Bigfoot 11-10-3	Database:	US_EDM

Project	SEC. 11-T4N-R63W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	Bigfoot Pad - SEC.11-T4N-R63W				
Site Position:		Northing:	1,363,458.94 usft	Latitude:	40.326000
From:	Lat/Long	Easting:	3,302,963.26 usft	Longitude:	-104.413360
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.70 °

Well	Bigfoot 11-10-3					
Well Position	+N/-S	0.0 ft	Northing:	1,363,562.73 usft	Latitude:	40.326280
	+E/-W	0.0 ft	Easting:	3,303,109.77 usft	Longitude:	-104.412830
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,616.0 ft

Survey Program	Date	11/21/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
145.0	1,785.0	Survey #1 (Bigfoot 11-10-3)	MWD	MWD - Standard	
6,604.0	11,540.0	Survey #3 Ensign 6534-11540 (Bigfoot 11)	MWD+HDGM	OWSG MWD + HDGM	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,534.0	46.10	95.41	6,304.5	-1,088.4	-644.6	-515.3	0.00	0.00	0.00
Tie on Pt to SLB surveys 6534'MD									
6,604.0	52.65	95.17	6,350.1	-1,093.3	-591.7	-462.2	9.36	9.36	-0.34
6,692.0	67.27	96.89	6,394.0	-1,101.4	-516.2	-386.2	16.70	16.61	1.95
6,781.0	79.46	94.85	6,419.4	-1,110.0	-431.5	-301.1	13.87	13.70	-2.29
6,870.0	87.96	92.30	6,429.2	-1,115.5	-343.3	-212.9	9.97	9.55	-2.87
6,959.0	87.69	90.01	6,432.5	-1,117.3	-254.4	-124.4	2.59	-0.30	-2.57
7,047.0	89.36	87.46	6,434.8	-1,115.4	-166.5	-37.2	3.46	1.90	-2.90
7,079.7	89.18	87.38	6,435.2	-1,113.9	-133.8	-4.9	0.62	-0.56	-0.26
470'FWL @ 7079.7'MD 6435.2'TVD									
7,136.0	88.86	87.23	6,436.2	-1,111.3	-77.6	50.6	0.62	-0.56	-0.26
7,225.0	90.04	87.11	6,437.1	-1,106.9	11.3	138.4	1.33	1.33	-0.13
7,314.0	90.16	88.49	6,436.9	-1,103.5	100.2	226.4	1.56	0.13	1.55
7,402.0	90.06	87.97	6,436.7	-1,100.7	188.2	313.4	0.60	-0.11	-0.59
7,490.0	90.19	89.03	6,436.5	-1,098.4	276.2	400.5	1.21	0.15	1.20
7,579.0	90.53	89.44	6,436.0	-1,097.2	365.2	488.8	0.60	0.38	0.46
7,666.0	89.92	88.82	6,435.6	-1,095.9	452.1	575.1	1.00	-0.70	-0.71
7,754.0	92.11	88.16	6,434.1	-1,093.6	540.1	662.2	2.60	2.49	-0.75
7,843.0	88.93	86.88	6,433.3	-1,089.8	629.0	750.0	3.85	-3.57	-1.44
7,932.0	88.66	86.36	6,435.1	-1,084.5	717.8	837.7	0.66	-0.30	-0.58
8,021.0	88.23	87.43	6,437.6	-1,079.7	806.7	925.4	1.30	-0.48	1.20
8,110.0	89.12	89.20	6,439.6	-1,077.1	895.6	1,013.4	2.23	1.00	1.99

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Bigfoot 11-10-3
Project:	SEC. 11-T4N-R63W	TVD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Site:	Bigfoot Pad - SEC.11-T4N-R63W	MD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Well:	Bigfoot 11-10-3	North Reference:	True
Wellbore:	Bigfoot 11-10-3	Survey Calculation Method:	Minimum Curvature
Design:	Bigfoot 11-10-3	Database:	US_EDM

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,197.0	89.22	87.72	6,440.9	-1,074.7	982.5	1,099.5	1.70	0.11	-1.70	
8,286.0	90.41	89.80	6,441.2	-1,072.8	1,071.5	1,187.7	2.69	1.34	2.34	
8,375.0	90.41	89.01	6,440.5	-1,071.9	1,160.5	1,276.0	0.89	0.00	-0.89	
8,463.0	90.72	88.63	6,439.7	-1,070.1	1,248.5	1,363.2	0.56	0.35	-0.43	
8,551.0	90.83	88.10	6,438.5	-1,067.6	1,336.4	1,450.2	0.62	0.13	-0.60	
8,640.0	89.55	88.36	6,438.2	-1,064.8	1,425.4	1,538.3	1.47	-1.44	0.29	
8,728.0	89.10	87.33	6,439.2	-1,061.5	1,513.3	1,625.3	1.28	-0.51	-1.17	
8,817.0	89.39	88.28	6,440.4	-1,058.1	1,602.2	1,713.2	1.12	0.33	1.07	
8,904.0	89.33	87.72	6,441.4	-1,055.1	1,689.2	1,799.2	0.65	-0.07	-0.64	
8,992.0	88.69	89.30	6,442.9	-1,052.8	1,777.1	1,886.3	1.94	-0.73	1.80	
9,080.0	90.36	89.14	6,443.6	-1,051.6	1,865.1	1,973.6	1.91	1.90	-0.18	
9,169.0	90.51	88.15	6,442.9	-1,049.5	1,954.1	2,061.7	1.13	0.17	-1.11	
9,258.0	91.32	88.60	6,441.5	-1,046.9	2,043.1	2,149.8	1.04	0.91	0.51	
9,346.0	91.80	87.74	6,439.1	-1,044.1	2,131.0	2,236.8	1.12	0.55	-0.98	
9,434.0	91.07	87.63	6,436.9	-1,040.6	2,218.9	2,323.7	0.84	-0.83	-0.13	
9,522.0	89.88	87.75	6,436.2	-1,037.0	2,306.8	2,410.7	1.36	-1.35	0.14	
9,610.0	89.32	88.68	6,436.8	-1,034.3	2,394.8	2,497.7	1.23	-0.64	1.06	
9,699.0	90.16	90.36	6,437.2	-1,033.5	2,483.7	2,586.0	2.11	0.94	1.89	
9,788.0	90.08	88.60	6,437.0	-1,032.7	2,572.7	2,674.4	1.98	-0.09	-1.98	
9,876.0	90.03	89.11	6,436.9	-1,031.0	2,660.7	2,761.6	0.58	-0.06	0.58	
9,965.0	89.68	89.78	6,437.1	-1,030.1	2,749.7	2,849.9	0.85	-0.39	0.75	
10,053.0	90.81	88.35	6,436.8	-1,028.7	2,837.7	2,937.1	2.07	1.28	-1.63	
10,142.0	91.42	89.15	6,435.0	-1,026.7	2,926.7	3,025.2	1.13	0.69	0.90	
10,230.0	91.69	88.68	6,432.7	-1,025.1	3,014.6	3,112.4	0.62	0.31	-0.53	
10,319.0	89.80	89.61	6,431.5	-1,023.7	3,103.6	3,200.7	2.37	-2.12	1.04	
10,407.0	89.60	88.85	6,432.0	-1,022.6	3,191.6	3,287.9	0.89	-0.23	-0.86	
10,496.0	89.53	88.57	6,432.6	-1,020.6	3,280.6	3,376.1	0.32	-0.08	-0.31	
10,585.0	90.52	89.64	6,432.6	-1,019.2	3,369.5	3,464.3	1.64	1.11	1.20	
10,674.0	90.90	88.79	6,431.5	-1,018.0	3,458.5	3,552.6	1.05	0.43	-0.96	
10,763.0	90.93	88.04	6,430.1	-1,015.5	3,547.5	3,640.7	0.84	0.03	-0.84	
10,852.0	89.49	88.06	6,429.7	-1,012.5	3,636.4	3,728.7	1.62	-1.62	0.02	
10,941.0	90.17	87.99	6,430.0	-1,009.4	3,725.4	3,816.7	0.77	0.76	-0.08	
11,029.0	88.10	87.43	6,431.3	-1,005.9	3,813.3	3,903.6	2.44	-2.35	-0.64	
11,117.0	89.69	89.76	6,433.0	-1,003.7	3,901.2	3,990.7	3.21	1.81	2.65	
11,205.0	90.50	89.23	6,432.9	-1,002.9	3,989.2	4,078.0	1.10	0.92	-0.60	
11,293.0	90.03	87.96	6,432.5	-1,000.8	4,077.2	4,165.2	1.54	-0.53	-1.44	
11,385.0	90.25	87.21	6,432.3	-996.9	4,169.1	4,256.0	0.85	0.24	-0.82	
11,480.0	91.18	86.60	6,431.1	-991.8	4,264.0	4,349.7	1.17	0.98	-0.64	
11,482.2	91.18	86.60	6,431.0	-991.7	4,266.2	4,351.8	0.00	0.00	0.00	
470°FEL @ 11482.2'MD 6431°TVD										
11,540.0	91.18	86.60	6,429.8	-988.2	4,323.8	4,408.8	0.00	0.00	0.00	
Projection to TD 11540'MD 6429.8°TVD 91.18 inc 86.6 AZ - BHL 1302°FSL & 412°FEL 988.2°S & 4323.8°E										

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Bigfoot 11-10-3
Project:	SEC. 11-T4N-R63W	TVD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Site:	Bigfoot Pad - SEC.11-T4N-R63W	MD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Well:	Bigfoot 11-10-3	North Reference:	True
Wellbore:	Bigfoot 11-10-3	Survey Calculation Method:	Minimum Curvature
Design:	Bigfoot 11-10-3	Database:	US_EDM

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,534.0	6,304.5	-1,088.4	-644.6	Tie on Pt to SLB surveys 6534'MD
7,079.7	6,435.2	-1,113.9	-133.8	470'FWL @ 7079.7'MD 6435.2'TVD
11,482.2	6,431.0	-991.7	4,266.2	470'FEL @ 11482.2'MD 6431'TVD
11,540.0	6,429.8	-988.2	4,323.8	Projection to TD 11540'MD 6429.8'TVD 91.18 inc 86.6 AZ
11,540.0	6,429.8	-988.2	4,323.8	BHL 1302'FSL & 412'FEL 988.2'S & 4323.8'E

Checked By: _____ Approved By: _____ Date: _____



Confluence Resources

SEC. 11-T4N-R63W

Bigfoot Pad - SEC.11-T4N-R63W

Bigfoot 11-10-3

Bigfoot 11-10-3

Survey: Survey #4 Complete survet 0-TD

Standard Survey Report

21 November, 2022

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Bigfoot 11-10-3
Project:	SEC. 11-T4N-R63W	TVD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Site:	Bigfoot Pad - SEC.11-T4N-R63W	MD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Well:	Bigfoot 11-10-3	North Reference:	True
Wellbore:	Bigfoot 11-10-3	Survey Calculation Method:	Minimum Curvature
Design:	Bigfoot 11-10-3	Database:	US_EDM

Project	SEC. 11-T4N-R63W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	Bigfoot Pad - SEC.11-T4N-R63W				
Site Position:		Northing:	1,363,458.94 usft	Latitude:	40.326000
From:	Lat/Long	Easting:	3,302,963.26 usft	Longitude:	-104.413360
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.70 °

Well	Bigfoot 11-10-3					
Well Position	+N/-S	0.0 ft	Northing:	1,363,562.73 usft	Latitude:	40.326280
	+E/-W	0.0 ft	Easting:	3,303,109.77 usft	Longitude:	-104.412830
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,616.0 ft

Wellbore	Bigfoot 11-10-3				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	11/16/2022	7.71	66.70	51,791.39328753

Design	Bigfoot 11-10-3				
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	96.60	

Survey Program	Date	11/21/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
145.0	1,785.0	Survey #1 (Bigfoot 11-10-3)	MWD	MWD - Standard	
6,604.0	11,540.0	Survey #3 Ensign 6534-11540 (Bigfoot 11	MWD+HDGM	OWSG MWD + HDGM	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
SHL 2380'FSL & 620'FWL										
3.2	0.00	0.00	3.2	0.0	0.0	0.0	0.00	0.00	0.00	
148.2	0.79	252.42	148.2	-0.3	-1.0	-0.9	0.54	0.54	0.00	
239.2	0.44	248.73	239.2	-0.6	-1.9	-1.8	0.39	-0.38	-4.05	
331.2	2.11	212.87	331.2	-2.2	-3.1	-2.9	1.93	1.82	-38.98	
450.2	3.25	221.83	450.0	-6.5	-6.6	-5.8	1.02	0.96	7.53	
540.2	4.84	218.32	539.8	-11.4	-10.6	-9.2	1.79	1.77	-3.90	
627.2	7.03	218.49	626.3	-18.5	-16.2	-14.0	2.52	2.52	0.20	
715.2	9.85	221.13	713.4	-28.3	-24.5	-21.1	3.23	3.20	3.00	

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Site:	Bigfoot Pad - SEC.11-T4N-R63W	MD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Well:	Bigfoot 11-10-3	North Reference:	True
Wellbore:	Bigfoot 11-10-3	Survey Calculation Method:	Minimum Curvature
Design:	Bigfoot 11-10-3	Database:	US_EDM

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
804.2	12.40	222.01	800.7	-41.2	-35.9	-31.0	2.87	2.87	0.99	
889.2	14.07	220.43	883.4	-55.8	-48.7	-42.0	2.01	1.96	-1.86	
979.2	14.95	221.83	970.6	-72.8	-63.6	-54.8	1.05	0.98	1.56	
1,068.2	15.12	222.71	1,056.5	-89.9	-79.1	-68.2	0.32	0.19	0.99	
1,157.2	15.56	223.24	1,142.3	-107.1	-95.1	-82.2	0.52	0.49	0.60	
1,247.2	14.60	221.30	1,229.2	-124.4	-110.9	-95.9	1.20	-1.07	-2.16	
1,337.2	14.95	223.06	1,316.3	-141.4	-126.3	-109.2	0.63	0.39	1.96	
1,427.2	15.30	225.70	1,403.2	-158.2	-142.7	-123.6	0.86	0.39	2.93	
1,516.2	14.25	226.23	1,489.2	-174.0	-159.1	-138.0	1.19	-1.18	0.60	
1,603.2	13.63	226.75	1,573.6	-188.4	-174.3	-151.5	0.73	-0.71	0.60	
1,693.2	13.37	226.40	1,661.2	-202.9	-189.5	-164.9	0.30	-0.29	-0.39	
1,728.2	13.45	225.87	1,695.2	-208.5	-195.4	-170.1	0.42	0.23	-1.51	
1,861.0	13.52	225.26	1,824.3	-230.2	-217.5	-189.6	0.12	0.05	-0.46	
1,949.0	13.60	225.94	1,909.9	-244.6	-232.2	-202.6	0.20	0.09	0.77	
2,038.0	13.82	226.09	1,996.4	-259.2	-247.4	-216.0	0.25	0.25	0.17	
2,126.0	14.19	225.16	2,081.7	-274.1	-262.6	-229.4	0.49	0.42	-1.06	
2,214.0	14.15	224.89	2,167.1	-289.4	-277.9	-242.8	0.09	-0.05	-0.31	
2,303.0	14.20	224.47	2,253.4	-304.9	-293.2	-256.2	0.13	0.06	-0.47	
2,390.0	14.27	222.63	2,337.7	-320.4	-307.9	-269.1	0.53	0.08	-2.11	
2,479.0	14.25	222.27	2,423.9	-336.5	-322.7	-281.9	0.10	-0.02	-0.40	
2,568.0	14.07	222.38	2,510.2	-352.6	-337.4	-294.6	0.20	-0.20	0.12	
2,655.0	14.20	221.35	2,594.6	-368.5	-351.6	-306.9	0.33	0.15	-1.18	
2,742.0	14.36	221.16	2,678.9	-384.6	-365.7	-319.1	0.19	0.18	-0.22	
2,831.0	14.29	219.73	2,765.1	-401.3	-380.0	-331.4	0.41	-0.08	-1.61	
2,919.0	14.10	219.68	2,850.5	-418.0	-393.8	-343.1	0.22	-0.22	-0.06	
3,008.0	14.14	219.16	2,936.8	-434.7	-407.6	-354.9	0.15	0.04	-0.58	
3,096.0	14.08	218.40	3,022.1	-451.4	-421.0	-366.3	0.22	-0.07	-0.86	
3,182.0	14.11	218.03	3,105.5	-467.9	-434.0	-377.3	0.11	0.03	-0.43	
3,272.0	13.67	217.22	3,192.9	-485.0	-447.1	-388.5	0.53	-0.49	-0.90	
3,360.0	14.03	218.82	3,278.3	-501.6	-460.1	-399.4	0.60	0.41	1.82	
3,449.0	13.96	218.60	3,364.7	-518.4	-473.6	-410.9	0.10	-0.08	-0.25	
3,538.0	14.20	218.82	3,451.0	-535.3	-487.1	-422.4	0.28	0.27	0.25	
3,626.0	14.28	218.05	3,536.3	-552.2	-500.6	-433.8	0.23	0.09	-0.88	
3,714.0	14.38	217.65	3,621.6	-569.4	-513.9	-445.1	0.16	0.11	-0.45	
3,801.0	13.82	217.84	3,706.0	-586.2	-526.9	-456.1	0.65	-0.64	0.22	
3,889.0	14.06	218.14	3,791.4	-602.9	-540.0	-467.1	0.28	0.27	0.34	
3,977.0	13.49	219.59	3,876.8	-619.2	-553.1	-478.3	0.76	-0.65	1.65	
4,065.0	13.68	220.94	3,962.4	-635.0	-566.5	-489.8	0.42	0.22	1.53	
4,153.0	14.02	221.91	4,047.8	-650.8	-580.4	-501.8	0.47	0.39	1.10	
4,242.0	14.11	221.55	4,134.1	-666.9	-594.8	-514.2	0.14	0.10	-0.40	
4,331.0	13.91	221.47	4,220.5	-683.1	-609.1	-526.6	0.23	-0.22	-0.09	
4,420.0	13.94	221.43	4,306.9	-699.1	-623.3	-538.8	0.04	0.03	-0.04	
4,508.0	14.12	221.87	4,392.3	-715.1	-637.4	-551.1	0.24	0.20	0.50	

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Bigfoot 11-10-3
Project:	SEC. 11-T4N-R63W	TVD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Site:	Bigfoot Pad - SEC.11-T4N-R63W	MD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Well:	Bigfoot 11-10-3	North Reference:	True
Wellbore:	Bigfoot 11-10-3	Survey Calculation Method:	Minimum Curvature
Design:	Bigfoot 11-10-3	Database:	US_EDM

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,596.0	13.99	221.28	4,477.6	-731.1	-651.6	-563.3	0.22	-0.15	-0.67
4,684.0	13.85	221.75	4,563.0	-746.9	-665.7	-575.4	0.20	-0.16	0.53
4,771.0	14.18	221.79	4,647.4	-762.6	-679.7	-587.6	0.38	0.38	0.05
4,859.0	13.87	220.02	4,732.8	-778.7	-693.7	-599.6	0.60	-0.35	-2.01
4,948.0	13.74	219.65	4,819.3	-795.0	-707.3	-611.2	0.18	-0.15	-0.42
5,035.0	13.83	219.27	4,903.7	-811.0	-720.4	-622.5	0.15	0.10	-0.44
5,123.0	13.98	221.14	4,989.2	-827.2	-734.1	-634.2	0.54	0.17	2.13
5,212.0	13.61	219.92	5,075.6	-843.3	-747.9	-646.0	0.53	-0.42	-1.37
5,300.0	14.33	219.65	5,161.0	-859.6	-761.5	-657.7	0.82	0.82	-0.31
5,388.0	14.33	219.61	5,246.3	-876.4	-775.4	-669.5	0.01	0.00	-0.05
5,476.0	14.15	221.01	5,331.6	-892.9	-789.4	-681.5	0.44	-0.20	1.59
5,565.0	14.16	220.68	5,417.9	-909.4	-803.6	-693.8	0.09	0.01	-0.37
5,653.0	14.14	220.74	5,503.2	-925.7	-817.6	-705.9	0.03	-0.02	0.07
5,740.0	14.30	220.88	5,587.5	-941.9	-831.6	-717.9	0.19	0.18	0.16
5,829.0	13.66	220.71	5,673.9	-958.2	-845.6	-730.0	0.72	-0.72	-0.19
5,917.0	15.23	200.44	5,759.2	-976.9	-856.5	-738.6	5.98	1.78	-23.03
6,003.0	15.98	173.70	5,842.1	-999.3	-859.1	-738.6	8.34	0.87	-31.09
6,092.0	17.23	143.38	5,927.5	-1,022.1	-849.9	-726.8	9.73	1.40	-34.07
6,180.0	19.38	116.48	6,011.2	-1,039.1	-829.0	-704.1	9.81	2.44	-30.57
6,268.0	26.44	113.20	6,092.2	-1,053.3	-797.9	-671.6	8.15	8.02	-3.73
6,357.0	32.82	106.86	6,169.6	-1,068.1	-756.5	-628.8	7.98	7.17	-7.12
6,446.0	40.98	100.21	6,240.7	-1,080.3	-704.6	-575.8	10.20	9.17	-7.47
6,534.0	46.10	95.41	6,304.5	-1,088.4	-644.6	-515.3	6.92	5.82	-5.45
6,604.0	52.65	95.17	6,350.1	-1,093.3	-591.7	-462.2	9.36	9.36	-0.34
6,692.0	67.27	96.89	6,394.0	-1,101.4	-516.2	-386.2	16.70	16.61	1.95
6,781.0	79.46	94.85	6,419.4	-1,110.0	-431.5	-301.1	13.87	13.70	-2.29
6,870.0	87.96	92.30	6,429.2	-1,115.5	-343.3	-212.9	9.97	9.55	-2.87
6,959.0	87.69	90.01	6,432.5	-1,117.3	-254.4	-124.4	2.59	-0.30	-2.57
7,047.0	89.36	87.46	6,434.8	-1,115.4	-166.5	-37.2	3.46	1.90	-2.90
7,079.7	89.18	87.38	6,435.2	-1,113.9	-133.8	-4.9	0.62	-0.56	-0.26
470'FWL @ 7079.7'MD 6435'TVD									
7,136.0	88.86	87.23	6,436.2	-1,111.3	-77.6	50.6	0.62	-0.56	-0.26
7,225.0	90.04	87.11	6,437.1	-1,106.9	11.3	138.4	1.33	1.33	-0.13
7,314.0	90.16	88.49	6,436.9	-1,103.5	100.2	226.4	1.56	0.13	1.55
7,402.0	90.06	87.97	6,436.7	-1,100.7	188.2	313.4	0.60	-0.11	-0.59
7,490.0	90.19	89.03	6,436.5	-1,098.4	276.2	400.5	1.21	0.15	1.20
7,579.0	90.53	89.44	6,436.0	-1,097.2	365.2	488.8	0.60	0.38	0.46
7,666.0	89.92	88.82	6,435.6	-1,095.9	452.1	575.1	1.00	-0.70	-0.71
7,754.0	92.11	88.16	6,434.1	-1,093.6	540.1	662.2	2.60	2.49	-0.75
7,843.0	88.93	86.88	6,433.3	-1,089.8	629.0	750.0	3.85	-3.57	-1.44
7,932.0	88.66	86.36	6,435.1	-1,084.5	717.8	837.7	0.66	-0.30	-0.58
8,021.0	88.23	87.43	6,437.6	-1,079.7	806.7	925.4	1.30	-0.48	1.20
8,110.0	89.12	89.20	6,439.6	-1,077.1	895.6	1,013.4	2.23	1.00	1.99
8,197.0	89.22	87.72	6,440.9	-1,074.7	982.5	1,099.5	1.70	0.11	-1.70

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Bigfoot 11-10-3
Project:	SEC. 11-T4N-R63W	TVD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Site:	Bigfoot Pad - SEC.11-T4N-R63W	MD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Well:	Bigfoot 11-10-3	North Reference:	True
Wellbore:	Bigfoot 11-10-3	Survey Calculation Method:	Minimum Curvature
Design:	Bigfoot 11-10-3	Database:	US_EDM

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,286.0	90.41	89.80	6,441.2	-1,072.8	1,071.5	1,187.7	2.69	1.34	2.34	
8,375.0	90.41	89.01	6,440.5	-1,071.9	1,160.5	1,276.0	0.89	0.00	-0.89	
8,463.0	90.72	88.63	6,439.7	-1,070.1	1,248.5	1,363.2	0.56	0.35	-0.43	
8,551.0	90.83	88.10	6,438.5	-1,067.6	1,336.4	1,450.2	0.62	0.13	-0.60	
8,640.0	89.55	88.36	6,438.2	-1,064.8	1,425.4	1,538.3	1.47	-1.44	0.29	
8,728.0	89.10	87.33	6,439.2	-1,061.5	1,513.3	1,625.3	1.28	-0.51	-1.17	
8,817.0	89.39	88.28	6,440.4	-1,058.1	1,602.2	1,713.2	1.12	0.33	1.07	
8,904.0	89.33	87.72	6,441.4	-1,055.1	1,689.2	1,799.2	0.65	-0.07	-0.64	
8,992.0	88.69	89.30	6,442.9	-1,052.8	1,777.1	1,886.3	1.94	-0.73	1.80	
9,080.0	90.36	89.14	6,443.6	-1,051.6	1,865.1	1,973.6	1.91	1.90	-0.18	
9,169.0	90.51	88.15	6,442.9	-1,049.5	1,954.1	2,061.7	1.13	0.17	-1.11	
9,258.0	91.32	88.60	6,441.5	-1,046.9	2,043.1	2,149.8	1.04	0.91	0.51	
9,346.0	91.80	87.74	6,439.1	-1,044.1	2,131.0	2,236.8	1.12	0.55	-0.98	
9,434.0	91.07	87.63	6,436.9	-1,040.6	2,218.9	2,323.7	0.84	-0.83	-0.13	
9,522.0	89.88	87.75	6,436.2	-1,037.0	2,306.8	2,410.7	1.36	-1.35	0.14	
9,610.0	89.32	88.68	6,436.8	-1,034.3	2,394.8	2,497.7	1.23	-0.64	1.06	
9,699.0	90.16	90.36	6,437.2	-1,033.5	2,483.7	2,586.0	2.11	0.94	1.89	
9,788.0	90.08	88.60	6,437.0	-1,032.7	2,572.7	2,674.4	1.98	-0.09	-1.98	
9,876.0	90.03	89.11	6,436.9	-1,031.0	2,660.7	2,761.6	0.58	-0.06	0.58	
9,965.0	89.68	89.78	6,437.1	-1,030.1	2,749.7	2,849.9	0.85	-0.39	0.75	
10,053.0	90.81	88.35	6,436.8	-1,028.7	2,837.7	2,937.1	2.07	1.28	-1.63	
10,142.0	91.42	89.15	6,435.0	-1,026.7	2,926.7	3,025.2	1.13	0.69	0.90	
10,230.0	91.69	88.68	6,432.7	-1,025.1	3,014.6	3,112.4	0.62	0.31	-0.53	
10,319.0	89.80	89.61	6,431.5	-1,023.7	3,103.6	3,200.7	2.37	-2.12	1.04	
10,407.0	89.60	88.85	6,432.0	-1,022.6	3,191.6	3,287.9	0.89	-0.23	-0.86	
10,496.0	89.53	88.57	6,432.6	-1,020.6	3,280.6	3,376.1	0.32	-0.08	-0.31	
10,585.0	90.52	89.64	6,432.6	-1,019.2	3,369.5	3,464.3	1.64	1.11	1.20	
10,674.0	90.90	88.79	6,431.5	-1,018.0	3,458.5	3,552.6	1.05	0.43	-0.96	
10,763.0	90.93	88.04	6,430.1	-1,015.5	3,547.5	3,640.7	0.84	0.03	-0.84	
10,852.0	89.49	88.06	6,429.7	-1,012.5	3,636.4	3,728.7	1.62	-1.62	0.02	
10,941.0	90.17	87.99	6,430.0	-1,009.4	3,725.4	3,816.7	0.77	0.76	-0.08	
11,029.0	88.10	87.43	6,431.3	-1,005.9	3,813.3	3,903.6	2.44	-2.35	-0.64	
11,117.0	89.69	89.76	6,433.0	-1,003.7	3,901.2	3,990.7	3.21	1.81	2.65	
11,205.0	90.50	89.23	6,432.9	-1,002.9	3,989.2	4,078.0	1.10	0.92	-0.60	
11,293.0	90.03	87.96	6,432.5	-1,000.8	4,077.2	4,165.2	1.54	-0.53	-1.44	
11,385.0	90.25	87.21	6,432.3	-996.9	4,169.1	4,256.0	0.85	0.24	-0.82	
11,480.0	91.18	86.60	6,431.1	-991.8	4,264.0	4,349.7	1.17	0.98	-0.64	
11,482.2	91.18	86.60	6,431.0	-991.7	4,266.2	4,351.8	0.00	0.00	0.00	
470'FEL @ 11482.2'MD 6431'TVD										
11,540.0	91.18	86.60	6,429.8	-988.2	4,323.8	4,408.8	0.00	0.00	0.00	
Projection to TD 11540'MD 6429.8'TVD - BHL 1302'FSL & 412.4'FEL 988.2'S & 4323.8'E of SHL										

Company:	Confluence Resources	Local Co-ordinate Reference:	Well Bigfoot 11-10-3
Project:	SEC. 11-T4N-R63W	TVD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Site:	Bigfoot Pad - SEC.11-T4N-R63W	MD Reference:	RKB @ 4632.7ft (Akita KB 16.7)
Well:	Bigfoot 11-10-3	North Reference:	True
Wellbore:	Bigfoot 11-10-3	Survey Calculation Method:	Minimum Curvature
Design:	Bigfoot 11-10-3	Database:	US_EDM

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
0.0	0.0	0.0	0.0	SHL 2380'FSL & 620'FWL
7,079.7	6,435.2	-1,113.9	-133.8	470'FWL @ 7079.7'MD 6435'TVD
11,482.2	6,431.0	-991.7	4,266.2	470'FEL @ 11482.2'MD 6431'TVD
11,540.0	6,429.8	-988.2	4,323.8	Projection to TD 11540'MD 6429.8'TVD
11,540.0	6,429.8	-988.2	4,323.8	BHL 1302'FSL & 412.4'FEL 988.2'S & 4323.8'E of SHL

Checked By: _____ Approved By: _____ Date: _____