

Extraction Oil & Gas

Well Name: **Thornton 6**

Surface Location: Thornton 8-P Pad Sec.8-T7N-R66W

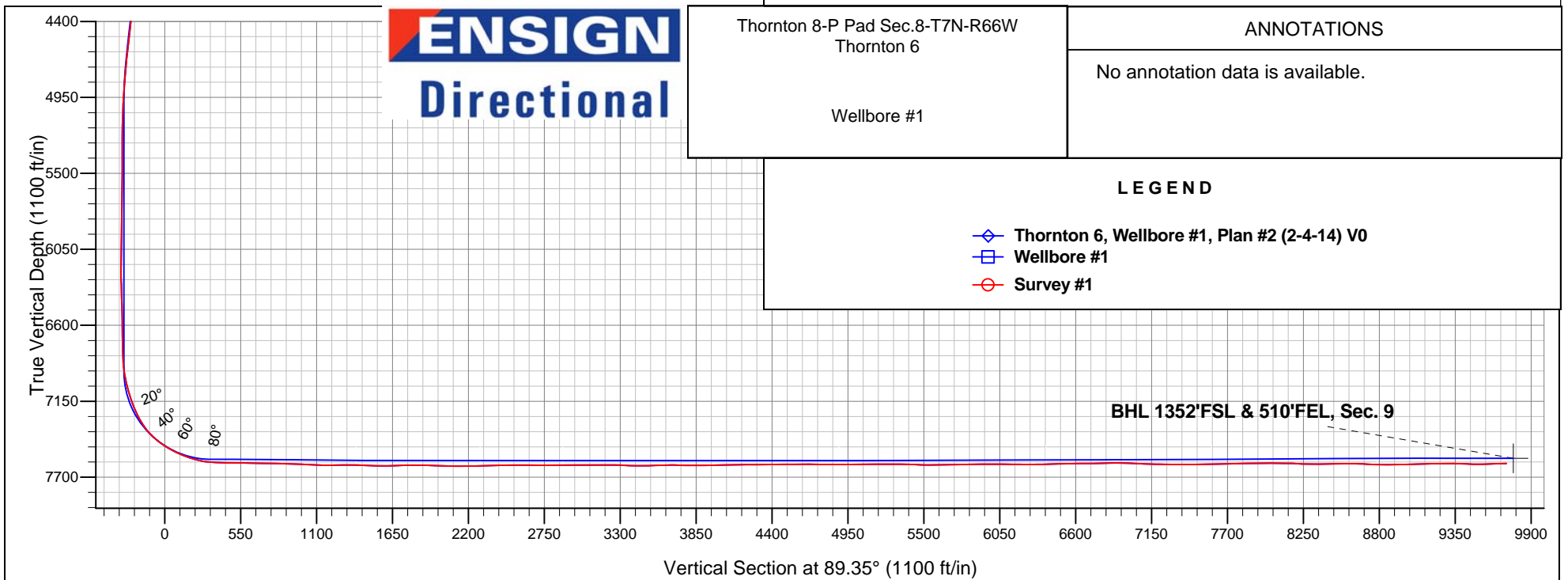
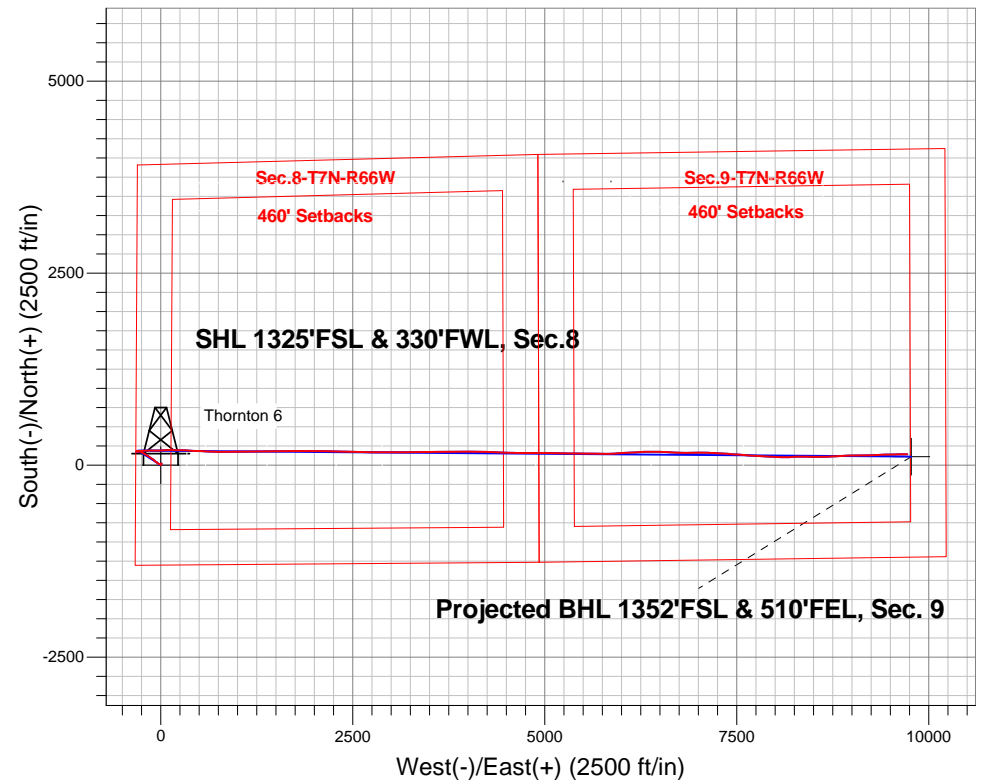
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 5035.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1456990.87	3191541.33	40.585794	-104.810368	
RKB - 24' WELL @ 5059.0ft (RKB - 24')						

FINAL SURVEY

Projected Bottom Hole Location
17342'MD 7600'TVD 143'N & 9720'E of SHL
92.19 degree Incl @ 88.89 degree AZM





Extraction Oil & Gas

SEC.8-T7N-T66W

Thornton 8-P Pad Sec.8-T7N-R66W

Thornton 6

Wellbore #1

Survey: Survey #1

Standard Survey Report

17 February, 2015



Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well Thornton 6
Project:	SEC.8-T7N-T66W	TVD Reference:	WELL @ 5059.0ft (RKB - 24')
Site:	Thornton 8-P Pad Sec.8-T7N-R66W	MD Reference:	WELL @ 5059.0ft (RKB - 24')
Well:	Thornton 6	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.8-T7N-T66W, Weld County, CO		
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	Thornton 8-P Pad Sec.8-T7N-R66W		
Site Position:		Northing:	1,456,822.93ft
From:	Lat/Long	Easting:	3,191,541.24ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40.585333
		Longitude:	-104.810373
		Grid Convergence:	0.45 °

Well	Thornton 6		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	40.585794
		Longitude:	-104.810368
		Ground Level:	5,035.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/8/2014	8.43	67.07	52,855

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	89.35	

Survey Program	Date	2/17/2015			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
263.0	17,342.0	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	0.00	46.90	1.0	0.0	0.0	0.0	0.42	0.42	0.00	
SHL 1325'FSL & 330'FWL, Sec.8										
263.0	1.10	46.90	263.0	1.7	1.8	1.9	0.42	0.42	0.00	
540.0	1.50	22.30	539.9	6.9	5.2	5.2	0.24	0.14	-8.88	
785.0	2.70	25.70	784.7	15.1	8.9	9.1	0.49	0.49	1.39	
910.0	2.00	344.00	909.6	19.8	9.6	9.8	1.44	-0.56	-33.36	
1,003.0	2.70	255.80	1,002.6	20.8	7.0	7.2	3.56	0.75	-94.84	
1,279.0	3.10	259.30	1,278.2	17.9	-6.7	-6.4	0.16	0.14	1.27	
1,556.0	2.70	248.50	1,554.9	14.1	-20.1	-19.9	0.24	-0.14	-3.90	
1,833.0	0.40	88.10	1,831.8	11.7	-25.2	-25.1	1.11	-0.83	-57.91	
1,925.0	2.60	321.00	1,923.8	13.3	-26.2	-26.0	3.11	2.39	-138.15	
2,021.0	4.40	316.40	2,019.6	17.7	-30.1	-29.9	1.90	1.88	-4.79	

Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well Thornton 6
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Site:	Thornton 8-P Pad Sec.8-T7N-R66W	MD Reference:	WELL @ 5059.0ft (RKB - 24')
Well:	Thornton 6	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)
2,117.0	4.10	314.30	2,115.3	22.8	-35.1	-34.8	0.35	-0.31	-2.19
2,212.0	4.00	308.50	2,210.1	27.2	-40.1	-39.8	0.44	-0.11	-6.11
2,308.0	3.50	313.80	2,305.9	31.3	-44.8	-44.5	0.63	-0.52	5.52
2,404.0	5.00	303.90	2,401.6	35.7	-50.4	-50.0	1.73	1.56	-10.31
2,500.0	5.00	300.20	2,497.2	40.1	-57.5	-57.1	0.34	0.00	-3.85
2,596.0	4.70	297.40	2,592.9	44.0	-64.6	-64.1	0.40	-0.31	-2.92
2,691.0	5.50	308.80	2,687.5	48.7	-71.6	-71.1	1.36	0.84	12.00
2,787.0	6.70	313.90	2,783.0	55.4	-79.3	-78.6	1.37	1.25	5.31
2,883.0	6.40	312.90	2,878.4	63.0	-87.2	-86.5	0.33	-0.31	-1.04
2,978.0	7.30	309.20	2,972.7	70.4	-95.8	-95.0	1.05	0.95	-3.89
3,074.0	7.40	307.40	3,067.9	78.0	-105.4	-104.5	0.26	0.10	-1.88
3,170.0	6.80	305.00	3,163.2	85.0	-115.0	-114.0	0.70	-0.63	-2.50
3,265.0	6.10	301.80	3,257.6	90.9	-123.9	-122.8	0.83	-0.74	-3.37
3,361.0	7.00	306.20	3,352.9	97.0	-132.9	-131.8	1.07	0.94	4.58
3,457.0	6.10	303.20	3,448.3	103.3	-141.9	-140.7	1.00	-0.94	-3.13
3,553.0	6.50	299.70	3,543.7	108.8	-150.9	-149.7	0.58	0.42	-3.65
3,649.0	7.50	299.30	3,639.0	114.5	-161.1	-159.8	1.04	1.04	-0.42
3,744.0	6.20	297.80	3,733.3	120.0	-171.0	-169.7	1.38	-1.37	-1.58
3,840.0	6.80	300.20	3,828.7	125.2	-180.5	-179.1	0.69	0.63	2.50
3,935.0	7.70	305.50	3,922.9	131.8	-190.6	-189.1	1.18	0.95	5.58
4,031.0	7.90	302.50	4,018.1	139.0	-201.4	-199.8	0.47	0.21	-3.13
4,127.0	8.50	301.10	4,113.1	146.2	-213.0	-211.3	0.66	0.63	-1.46
4,223.0	9.20	302.90	4,207.9	154.1	-225.5	-223.8	0.78	0.73	1.88
4,319.0	8.10	304.30	4,302.8	162.1	-237.6	-235.7	1.17	-1.15	1.46
4,414.0	6.40	305.50	4,397.1	168.9	-247.4	-245.5	1.80	-1.79	1.26
4,509.0	6.90	289.20	4,491.4	173.9	-257.1	-255.1	2.05	0.53	-17.16
4,606.0	7.30	283.40	4,587.7	177.2	-268.6	-266.6	0.85	0.41	-5.98
4,701.0	6.00	281.60	4,682.1	179.6	-279.3	-277.3	1.39	-1.37	-1.89
4,797.0	4.90	279.70	4,777.6	181.3	-288.3	-286.2	1.16	-1.15	-1.98
4,893.0	4.20	277.20	4,873.3	182.4	-295.8	-293.7	0.76	-0.73	-2.60
4,988.0	3.20	286.30	4,968.1	183.6	-301.8	-299.7	1.22	-1.05	9.58
5,083.0	1.90	273.90	5,063.0	184.5	-305.9	-303.8	1.48	-1.37	-13.05
5,179.0	1.40	273.50	5,159.0	184.6	-308.7	-306.6	0.52	-0.52	-0.42
5,274.0	0.90	301.60	5,254.0	185.1	-310.5	-308.4	0.78	-0.53	29.58
5,370.0	0.10	242.60	5,350.0	185.5	-311.2	-309.1	0.89	-0.83	-61.46
5,656.0	0.40	193.00	5,636.0	184.4	-311.6	-309.5	0.12	0.10	-17.34
5,943.0	1.70	224.30	5,922.9	180.4	-314.8	-312.8	0.48	0.45	10.91
6,231.0	0.50	211.60	6,210.9	176.2	-318.5	-316.5	0.42	-0.42	-4.41
6,326.0	1.80	94.00	6,305.8	175.8	-317.2	-315.2	2.19	1.37	-123.79
6,422.0	1.80	73.80	6,401.8	176.1	-314.3	-312.2	0.66	0.00	-21.04
6,518.0	1.80	47.60	6,497.7	177.5	-311.7	-309.7	0.85	0.00	-27.29
6,614.0	1.10	50.10	6,593.7	179.1	-309.9	-307.8	0.73	-0.73	2.60
6,709.0	1.30	58.40	6,688.7	180.3	-308.3	-306.2	0.28	0.21	8.74
6,805.0	1.10	126.20	6,784.7	180.3	-306.6	-304.5	1.40	-0.21	70.63
6,901.0	4.70	91.90	6,880.5	179.6	-301.9	-299.9	4.00	3.75	-35.73
6,997.0	11.10	78.40	6,975.6	181.4	-288.9	-286.8	6.90	6.67	-14.06
7,092.0	15.20	82.40	7,068.1	184.8	-267.6	-265.5	4.42	4.32	4.21
7,188.0	20.40	86.50	7,159.5	187.5	-238.4	-236.3	5.57	5.42	4.27
7,284.0	25.90	87.70	7,247.7	189.4	-200.7	-198.6	5.75	5.73	1.25
7,378.0	33.90	89.50	7,329.1	190.5	-153.9	-151.8	8.56	8.51	1.91
7,474.0	46.60	90.00	7,402.2	190.7	-92.0	-89.9	13.23	13.23	0.52
7,570.0	55.50	89.10	7,462.5	191.3	-17.4	-15.3	9.30	9.27	-0.94
7,666.0	62.60	86.70	7,511.9	194.4	64.8	67.0	7.70	7.40	-2.50
7,762.0	70.30	90.20	7,550.2	196.7	152.7	154.9	8.69	8.02	3.65

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Well:	Thornton 6	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)
7,858.0	75.90	92.50	7,578.1	194.5	244.4	246.6	6.27	5.83	2.40
7,923.0	85.00	92.80	7,588.9	191.5	308.4	310.6	14.01	14.00	0.46
7,953.3	86.13	92.77	7,591.2	190.1	338.6	340.7	3.73	3.73	-0.08
Landing Pt.									
8,044.0	89.51	92.70	7,594.7	185.7	429.1	431.2	3.73	3.73	-0.08
8,139.0	88.77	92.41	7,596.1	181.5	524.0	526.0	0.84	-0.78	-0.31
8,197.3	89.00	92.15	7,597.2	179.2	582.3	584.3	0.59	0.39	-0.44
WP1 (Thornton 6)									
8,234.0	89.14	91.99	7,597.8	177.9	618.9	620.9	0.59	0.39	-0.44
8,328.0	89.26	91.60	7,599.1	174.9	712.8	714.8	0.43	0.13	-0.41
8,423.0	89.04	90.43	7,600.6	173.2	807.8	809.7	1.25	-0.23	-1.23
8,521.0	87.84	89.30	7,603.2	173.5	905.8	907.7	1.68	-1.22	-1.15
8,617.0	87.23	88.43	7,607.4	175.4	1,001.7	1,003.6	1.11	-0.64	-0.91
8,713.0	87.54	88.56	7,611.7	177.9	1,097.5	1,099.5	0.35	0.32	0.14
8,808.0	90.77	89.63	7,613.1	179.4	1,192.5	1,194.5	3.58	3.40	1.13
8,904.0	91.39	90.33	7,611.3	179.4	1,288.5	1,290.4	0.97	0.65	0.73
8,998.2	87.88	89.79	7,611.9	179.3	1,382.7	1,384.6	3.77	-3.73	-0.57
WP2 (Thornton 6)									
9,000.0	87.81	89.78	7,612.0	179.3	1,384.5	1,386.4	3.77	-3.73	-0.57
9,096.0	88.24	89.45	7,615.3	180.0	1,480.4	1,482.4	0.56	0.45	-0.34
9,192.0	89.23	89.48	7,617.4	180.9	1,576.4	1,578.3	1.03	1.03	0.03
9,287.0	92.16	89.08	7,616.3	182.1	1,671.4	1,673.3	3.11	3.08	-0.42
9,383.0	91.88	89.52	7,612.9	183.2	1,767.3	1,769.2	0.54	-0.29	0.46
9,478.0	88.24	89.03	7,612.8	184.4	1,862.3	1,864.2	3.87	-3.83	-0.52
9,574.0	88.00	90.42	7,615.9	184.9	1,958.2	1,960.2	1.47	-0.25	1.45
9,670.0	88.49	92.00	7,618.9	182.9	2,054.1	2,056.1	1.72	0.51	1.65
9,766.0	90.15	91.28	7,620.0	180.1	2,150.1	2,152.0	1.88	1.73	-0.75
9,862.0	91.29	90.69	7,618.8	178.5	2,246.1	2,247.9	1.34	1.19	-0.61
9,900.1	91.49	90.93	7,617.9	177.9	2,284.1	2,286.0	0.81	0.53	0.62
WP3 (Thornton 6)									
9,957.0	91.79	91.28	7,616.3	176.8	2,341.0	2,342.9	0.81	0.53	0.62
10,053.0	91.02	91.52	7,613.9	174.5	2,437.0	2,438.8	0.84	-0.80	0.25
10,149.0	90.28	91.62	7,612.8	171.9	2,532.9	2,534.7	0.78	-0.77	0.10
10,245.0	89.38	91.45	7,613.1	169.3	2,628.9	2,630.6	0.95	-0.94	-0.18
10,340.0	89.91	91.05	7,613.7	167.2	2,723.8	2,725.6	0.70	0.56	-0.42
10,432.0	90.86	90.66	7,613.1	165.8	2,815.8	2,817.5	1.12	1.03	-0.42
10,499.4	90.46	89.96	7,612.3	165.5	2,883.2	2,884.9	1.20	-0.59	-1.04
WP4 (Thornton 6)									
10,525.0	90.31	89.69	7,612.1	165.6	2,908.8	2,910.5	1.20	-0.59	-1.04
10,617.0	89.82	88.38	7,612.0	167.1	3,000.8	3,002.5	1.52	-0.53	-1.42
10,710.0	90.55	88.86	7,611.7	169.3	3,093.8	3,095.5	0.94	0.78	0.52
10,802.0	90.12	89.42	7,611.2	170.7	3,185.8	3,187.5	0.77	-0.47	0.61
10,984.0	87.16	89.29	7,615.5	172.8	3,367.7	3,369.4	1.63	-1.63	-0.07
11,079.0	91.20	89.70	7,616.9	173.6	3,462.7	3,464.4	4.27	4.25	0.43
11,171.0	91.45	89.83	7,614.7	174.0	3,554.6	3,556.4	0.31	0.27	0.14
11,263.0	91.57	91.00	7,612.3	173.3	3,646.6	3,648.3	1.28	0.13	1.27
11,355.0	87.84	89.27	7,612.8	173.1	3,738.6	3,740.3	4.47	-4.05	-1.88
11,447.0	89.35	89.34	7,615.0	174.2	3,830.5	3,832.3	1.64	1.64	0.08
11,540.0	90.68	89.77	7,615.0	174.9	3,923.5	3,925.3	1.50	1.43	0.46
11,632.0	91.85	90.62	7,613.0	174.6	4,015.5	4,017.2	1.57	1.27	0.92
11,724.0	91.76	90.87	7,610.1	173.4	4,107.5	4,109.2	0.29	-0.10	0.27
11,816.0	89.20	90.43	7,609.3	172.4	4,199.4	4,201.1	2.82	-2.78	-0.48
11,909.0	90.49	92.08	7,609.6	170.4	4,292.4	4,294.1	2.25	1.39	1.77
12,001.0	91.08	92.52	7,608.3	166.7	4,384.3	4,385.9	0.80	0.64	0.48

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Survey									
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12,093.0	90.12	91.37	7,607.3	163.5	4,476.3	4,477.8	1.63	-1.04	-1.25
12,186.0	90.34	91.57	7,607.0	161.2	4,569.2	4,570.8	0.32	0.24	0.22
12,281.0	90.43	91.51	7,606.3	158.6	4,664.2	4,665.7	0.11	0.09	-0.06
12,377.0	88.43	89.55	7,607.3	157.7	4,760.2	4,761.7	2.92	-2.08	-2.04
12,473.0	89.85	89.99	7,608.7	158.1	4,856.2	4,857.6	1.55	1.48	0.46
12,499.9	90.24	90.15	7,608.7	158.1	4,883.1	4,884.6	1.56	1.45	0.58
WP5 (Thornton 6)									
12,568.0	91.23	90.54	7,607.8	157.7	4,951.2	4,952.6	1.56	1.45	0.58
12,664.0	90.18	90.51	7,606.6	156.8	5,047.1	5,048.6	1.09	-1.09	-0.03
12,760.0	90.15	90.24	7,606.4	156.2	5,143.1	5,144.6	0.28	-0.03	-0.28
12,854.0	90.25	90.85	7,606.0	155.3	5,237.1	5,238.6	0.66	0.11	0.65
12,951.0	90.34	91.15	7,605.5	153.6	5,334.1	5,335.5	0.32	0.09	0.31
13,047.0	87.04	90.41	7,607.7	152.3	5,430.1	5,431.4	3.52	-3.44	-0.77
13,143.0	88.83	90.60	7,611.2	151.4	5,526.0	5,527.4	1.88	1.86	0.20
13,238.0	90.65	91.01	7,611.6	150.1	5,621.0	5,622.3	1.96	1.92	0.43
13,333.0	91.94	90.80	7,609.5	148.6	5,715.9	5,717.3	1.38	1.36	-0.22
13,429.0	91.88	90.76	7,606.3	147.3	5,811.9	5,813.2	0.08	-0.06	-0.04
13,524.0	88.68	85.68	7,605.8	150.2	5,906.8	5,908.1	6.32	-3.37	-5.35
13,620.0	90.06	86.08	7,606.9	157.1	6,002.5	6,003.9	1.50	1.44	0.42
13,716.0	90.18	87.30	7,606.7	162.7	6,098.4	6,099.8	1.28	0.13	1.27
13,811.0	89.16	86.50	7,607.2	167.8	6,193.2	6,194.7	1.36	-1.07	-0.84
13,906.0	90.21	87.46	7,607.7	172.8	6,288.1	6,289.7	1.50	1.11	1.01
14,000.3	91.33	90.22	7,606.5	174.7	6,382.4	6,384.0	3.16	1.19	2.93
WP6 (Thornton 6)									
14,002.0	91.35	90.27	7,606.4	174.7	6,384.1	6,385.6	3.16	1.19	2.93
14,098.0	92.18	91.59	7,603.5	173.1	6,480.0	6,481.5	1.62	0.86	1.38
14,193.0	90.67	93.09	7,601.1	169.3	6,574.9	6,576.4	2.24	-1.59	1.58
14,289.0	90.21	92.52	7,600.4	164.6	6,670.8	6,672.2	0.76	-0.48	-0.59
14,384.0	91.45	91.32	7,599.0	161.4	6,765.7	6,767.1	1.82	1.31	-1.26
14,479.0	90.80	88.88	7,597.1	161.2	6,860.7	6,862.1	2.66	-0.68	-2.57
14,575.0	88.15	89.15	7,598.0	162.9	6,956.6	6,958.0	2.77	-2.76	0.28
14,671.0	88.21	91.95	7,601.1	162.0	7,052.6	7,054.0	2.92	0.06	2.92
14,767.0	87.84	91.39	7,604.4	159.2	7,148.5	7,149.8	0.70	-0.39	-0.58
14,862.0	89.35	93.14	7,606.7	155.4	7,243.4	7,244.7	2.43	1.59	1.84
14,958.0	89.41	93.08	7,607.7	150.2	7,339.2	7,340.5	0.09	0.06	-0.06
15,054.0	90.43	94.51	7,607.9	143.8	7,435.0	7,436.2	1.83	1.06	1.49
15,149.0	90.95	94.37	7,606.7	136.5	7,529.7	7,530.8	0.57	0.55	-0.15
15,203.0	91.03	94.39	7,605.8	132.4	7,583.6	7,584.6	0.16	0.16	0.03
WP7 (Thornton 6)									
15,245.0	91.10	94.40	7,605.0	129.1	7,625.4	7,626.4	0.16	0.16	0.03
15,341.0	92.21	93.82	7,602.2	122.3	7,721.1	7,722.0	1.30	1.16	-0.60
15,437.0	90.36	92.64	7,600.1	116.9	7,817.0	7,817.8	2.29	-1.93	-1.23
15,533.0	90.92	93.30	7,599.0	111.9	7,912.8	7,913.6	0.90	0.58	0.69
15,628.0	89.38	92.68	7,598.8	106.9	8,007.7	8,008.4	1.75	-1.62	-0.65
15,723.0	90.46	90.69	7,598.9	104.1	8,102.6	8,103.3	2.38	1.14	-2.09
15,819.0	87.31	86.78	7,600.8	106.3	8,198.6	8,199.2	5.23	-3.28	-4.07
15,915.0	88.21	88.69	7,604.5	110.0	8,294.4	8,295.1	2.20	0.94	1.99
16,011.0	91.32	91.31	7,604.9	110.0	8,390.4	8,391.1	4.24	3.24	2.73
16,107.0	90.31	90.61	7,603.5	108.4	8,486.4	8,487.1	1.28	-1.05	-0.73
16,203.0	91.29	90.93	7,602.2	107.2	8,582.3	8,583.0	1.07	1.02	0.33
16,299.0	86.66	85.94	7,603.9	109.8	8,678.2	8,678.9	7.09	-4.82	-5.20
16,402.0	88.53	87.06	7,608.3	116.1	8,781.0	8,781.7	2.11	1.81	1.08
WP8 (Thornton 6)									
16,405.0	88.58	87.09	7,608.3	116.2	8,783.9	8,784.7	2.11	1.81	1.08

Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well Thornton 6
Project:	SEC.8-T7N-T66W	TVD Reference:	WELL @ 5059.0ft (RKB - 24')
Site:	Thornton 8-P Pad Sec.8-T7N-R66W	MD Reference:	WELL @ 5059.0ft (RKB - 24')
Well:	Thornton 6	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)
16,430.0	89.23	87.27	7,608.8	117.4	8,808.9	8,809.7	2.70	2.60	0.72
16,526.0	90.15	88.13	7,609.3	121.3	8,904.8	8,905.6	1.31	0.96	0.90
16,621.0	91.42	87.37	7,608.0	125.0	8,999.7	9,000.6	1.56	1.34	-0.80
16,717.0	92.37	89.04	7,604.8	128.0	9,095.6	9,096.5	2.00	0.99	1.74
16,813.0	91.60	89.96	7,601.5	128.9	9,191.6	9,192.4	1.25	-0.80	0.96
16,909.0	89.14	87.14	7,600.9	131.3	9,287.5	9,288.4	3.90	-2.56	-2.94
17,005.0	87.81	87.57	7,603.5	135.7	9,383.4	9,384.3	1.46	-1.39	0.45
17,100.0	89.41	88.71	7,605.8	138.8	9,478.3	9,479.3	2.07	1.68	1.20
17,196.0	91.39	89.10	7,605.1	140.6	9,574.3	9,575.3	2.10	2.06	0.41
17,260.0	92.19	88.89	7,603.1	141.8	9,638.2	9,639.2	1.29	1.25	-0.33
17,342.0	92.19	88.89	7,600.0	143.3	9,720.2	9,721.2	0.00	0.00	0.00
BHL 1320'FSL & 460'FEL, Sec. 9									

Checked By: _____ Approved By: _____ Date: _____