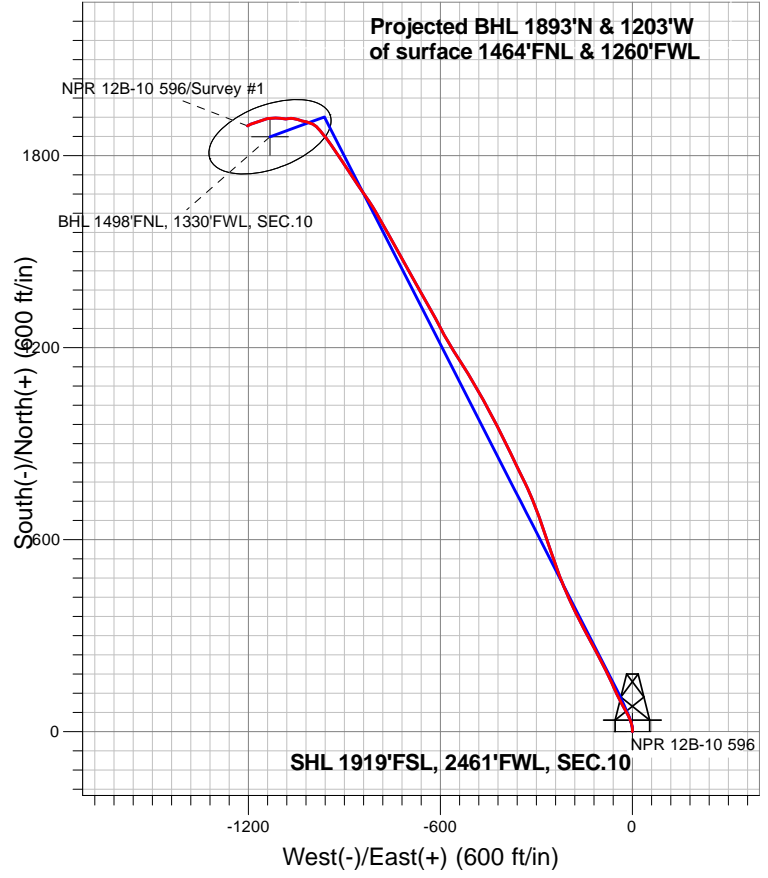
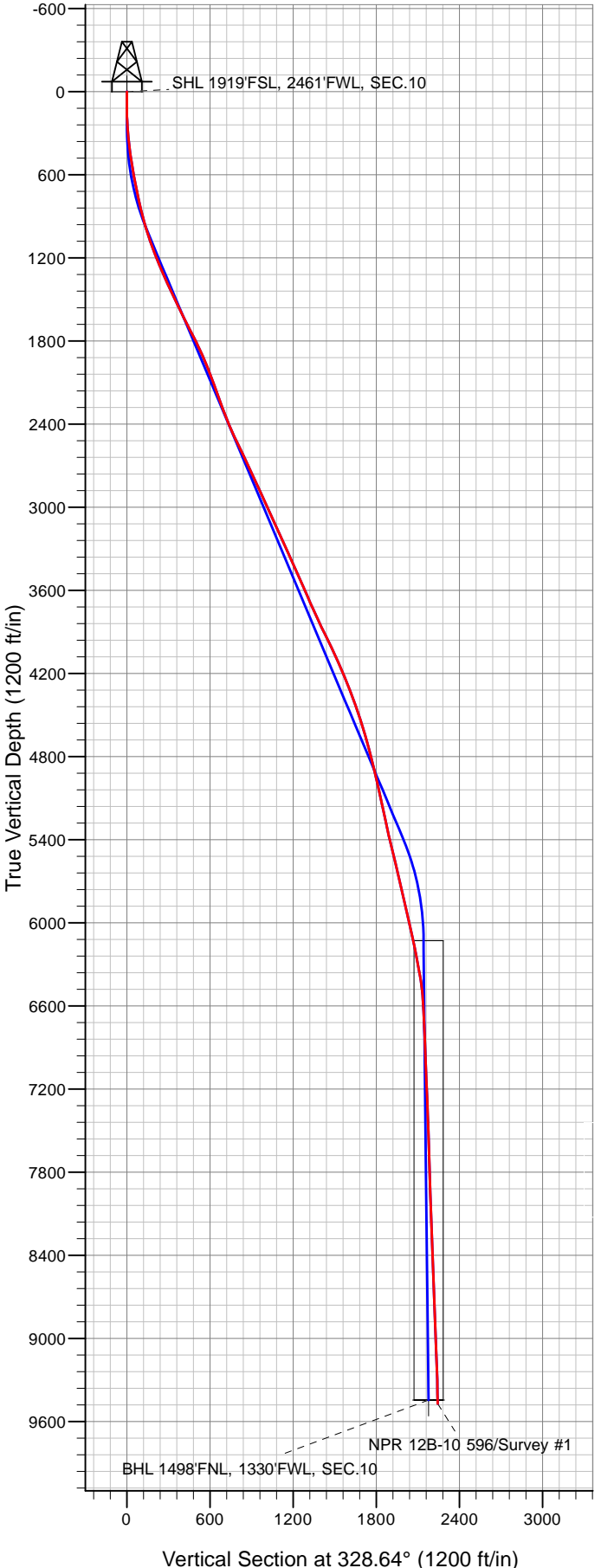


Caerus Oil and Gas LLC



LEGEND

- + NPR 12B-10 596, NPR 12B-10 596 Wellbore #1, Plan #1 (7-31-18)R VO
- + NPR 12B-10 596 Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
9,876'MD & 9472' TVD @ 176.38'VS
9.2 deg Inc 245.2 deg AZ

Project: SEC.10-T5S-R96W
 Site: K10 596 Pad Sec.10-T5S-R96W
 Well: NPR 12B-10 596
 Plan: NPR 12B-10 596 Wellbore #1



Caerus Oil and Gas LLC

SEC.10-T5S-R96W

K10 596 Pad Sec.10-T5S-R96W

NPR 12B-10 596

NPR 12B-10 596 Wellbore #1

Survey: Survey #1

Standard Survey Report

09 August, 2018

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 12B-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Well:	NPR 12B-10 596	North Reference:	True
Wellbore:	NPR 12B-10 596 Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	NPR 12B-10 596 Wellbore #1	Database:	US_EDM

Project	SEC.10-T5S-R96W, Garfield County, CO		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		Using Well Reference Point
Map Zone:	Zone 12N (114 W to 108 W)		Using geodetic scale factor

Site	K10 596 Pad Sec.10-T5S-R96W				
Site Position:		Northing:	14,403,140.13 usft	Latitude:	39.627619
From:	Lat/Long	Easting:	2,441,439.81 usft	Longitude:	-108.155411
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	1.82 °

Well	NPR 12B-10 596					
Well Position	+N/-S	0.0 ft	Northing:	14,403,140.13 usft	Latitude:	39.627619
	+E/-W	0.0 ft	Easting:	2,441,439.81 usft	Longitude:	-108.155411
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	6,709.0 ft

Wellbore	NPR 12B-10 596 Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	7/31/2018	9.57	65.82	51,447

Design	NPR 12B-10 596 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	328.64	

Survey Program	Date	8/9/2018			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
120.0	9,876.0	Survey #1 (NPR 12B-10 596 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 (°/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	
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00	
SHL 1919°FSL, 2461°FWL, SEC.10										
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00	
208.0	2.90	359.80	208.0	2.2	0.0	1.9	3.30	3.30	0.00	
301.0	5.40	355.90	300.7	8.9	-0.3	7.8	2.70	2.69	-4.19	
393.0	7.20	347.40	392.2	18.9	-1.9	17.1	2.20	1.96	-9.24	
485.0	9.00	340.40	483.2	31.3	-5.6	29.6	2.23	1.96	-7.61	
577.0	10.20	334.90	573.9	45.5	-11.4	44.8	1.64	1.30	-5.98	
671.0	10.60	331.30	666.4	60.6	-19.1	61.7	0.81	0.43	-3.83	
765.0	12.20	331.60	758.5	76.9	-28.0	80.2	1.70	1.70	0.32	

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 12B-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Well:	NPR 12B-10 596	North Reference:	True
Wellbore:	NPR 12B-10 596 Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	NPR 12B-10 596 Wellbore #1	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)
860.0	13.80	332.90	851.1	95.8	-37.9	101.6	1.71	1.68	1.37
954.0	15.60	333.70	942.0	117.1	-48.6	125.3	1.93	1.91	0.85
1,049.0	17.90	335.50	1,033.0	141.9	-60.4	152.6	2.48	2.42	1.89
1,143.0	20.10	335.60	1,121.9	169.7	-73.0	182.9	2.34	2.34	0.11
1,238.0	22.50	333.20	1,210.4	200.8	-88.0	217.3	2.69	2.53	-2.53
1,332.0	23.40	331.70	1,296.9	233.3	-104.9	253.8	1.14	0.96	-1.60
1,427.0	24.40	331.80	1,383.8	267.2	-123.1	292.3	1.05	1.05	0.11
1,521.0	25.60	331.60	1,469.0	302.2	-142.0	331.9	1.28	1.28	-0.21
1,615.0	26.10	333.80	1,553.6	338.6	-160.8	372.8	1.15	0.53	2.34
1,710.0	26.50	333.80	1,638.7	376.4	-179.3	414.7	0.42	0.42	0.00
1,804.0	27.10	335.30	1,722.6	414.6	-197.6	456.9	0.96	0.64	1.60
1,899.0	26.60	337.60	1,807.4	454.0	-214.7	499.4	1.21	-0.53	2.42
1,993.0	24.70	339.20	1,892.1	491.8	-229.7	539.5	2.15	-2.02	1.70
2,087.0	23.00	340.60	1,978.1	527.5	-242.8	576.8	1.91	-1.81	1.49
2,182.0	20.30	341.70	2,066.4	560.6	-254.1	611.0	2.87	-2.84	1.16
2,277.0	20.40	341.10	2,155.5	591.9	-264.6	643.2	0.24	0.11	-0.63
2,339.0	20.40	341.40	2,213.6	612.4	-271.6	664.3	0.17	0.00	0.48
2,498.0	21.70	340.00	2,362.0	666.3	-290.5	720.1	0.88	0.82	-0.88
2,592.0	24.30	340.10	2,448.5	700.8	-303.0	756.1	2.77	2.77	0.11
2,686.0	26.10	335.90	2,533.5	737.9	-318.0	795.6	2.70	1.91	-4.47
2,781.0	26.20	333.70	2,618.8	775.8	-335.9	837.2	1.03	0.11	-2.32
2,875.0	25.00	334.10	2,703.6	812.2	-353.7	877.7	1.29	-1.28	0.43
2,969.0	24.00	335.80	2,789.1	847.5	-370.3	916.4	1.30	-1.06	1.81
3,064.0	25.20	334.10	2,875.5	883.4	-387.0	955.7	1.47	1.26	-1.79
3,158.0	25.50	332.60	2,960.5	919.3	-405.1	995.8	0.75	0.32	-1.60
3,253.0	24.90	332.60	3,046.4	955.2	-423.7	1,036.2	0.63	-0.63	0.00
3,347.0	23.50	334.20	3,132.1	989.7	-440.9	1,074.6	1.64	-1.49	1.70
3,442.0	24.50	330.60	3,218.9	1,023.9	-458.9	1,113.1	1.87	1.05	-3.79
3,536.0	24.60	329.30	3,304.4	1,057.7	-478.4	1,152.2	0.58	0.11	-1.38
3,630.0	23.00	329.70	3,390.4	1,090.4	-497.7	1,190.1	1.71	-1.70	0.43
3,724.0	24.50	328.20	3,476.5	1,122.8	-517.2	1,227.9	1.72	1.60	-1.60
3,819.0	24.70	328.20	3,562.9	1,156.4	-538.0	1,267.5	0.21	0.21	0.00
3,913.0	23.20	328.50	3,648.8	1,188.9	-558.1	1,305.6	1.60	-1.60	0.32
4,008.0	24.60	329.00	3,735.6	1,221.8	-578.0	1,344.1	1.49	1.47	0.53
4,103.0	24.90	332.50	3,821.9	1,256.5	-597.5	1,383.9	1.57	0.32	3.68
4,197.0	26.10	331.50	3,906.7	1,292.2	-616.5	1,424.3	1.36	1.28	-1.06
4,292.0	26.10	330.80	3,992.1	1,328.8	-636.6	1,466.0	0.32	0.00	-0.74
4,387.0	24.70	330.00	4,077.9	1,364.3	-656.7	1,506.7	1.52	-1.47	-0.84
4,481.0	23.50	331.50	4,163.7	1,397.7	-675.5	1,545.1	1.43	-1.28	1.60
4,576.0	22.20	331.20	4,251.2	1,430.1	-693.2	1,581.9	1.37	-1.37	-0.32
4,670.0	20.30	330.20	4,338.8	1,459.8	-709.9	1,616.0	2.06	-2.02	-1.06
4,765.0	19.60	329.30	4,428.1	1,487.8	-726.2	1,648.4	0.80	-0.74	-0.95
4,859.0	18.70	332.20	4,516.9	1,514.7	-741.3	1,679.2	1.39	-0.96	3.09

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 12B-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Well:	NPR 12B-10 596	North Reference:	True
Wellbore:	NPR 12B-10 596 Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	NPR 12B-10 596 Wellbore #1	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)	
4,953.0	17.00	331.00	4,606.4	1,540.1	-754.9	1,708.0	1.85	-1.81	-1.28	
5,048.0	15.50	331.60	4,697.6	1,563.4	-767.7	1,734.5	1.59	-1.58	0.63	
5,142.0	14.30	330.70	4,788.4	1,584.5	-779.4	1,758.7	1.30	-1.28	-0.96	
5,237.0	13.60	330.10	4,880.6	1,604.5	-790.7	1,781.6	0.75	-0.74	-0.63	
5,331.0	12.80	328.50	4,972.1	1,622.9	-801.6	1,803.0	0.94	-0.85	-1.70	
5,426.0	12.40	328.80	5,064.9	1,640.6	-812.4	1,823.7	0.43	-0.42	0.32	
5,521.0	12.20	325.30	5,157.7	1,657.6	-823.4	1,844.0	0.81	-0.21	-3.68	
5,615.0	12.40	326.00	5,249.5	1,674.1	-834.7	1,864.0	0.27	0.21	0.74	
5,710.0	12.20	323.60	5,342.3	1,690.7	-846.4	1,884.2	0.58	-0.21	-2.53	
5,804.0	14.10	328.00	5,433.9	1,708.4	-858.3	1,905.5	2.28	2.02	4.68	
5,899.0	13.40	326.80	5,526.1	1,727.4	-870.5	1,928.1	0.80	-0.74	-1.26	
5,993.0	13.20	325.50	5,617.6	1,745.4	-882.5	1,949.7	0.38	-0.21	-1.38	
6,087.0	13.50	325.80	5,709.1	1,763.3	-894.8	1,971.4	0.33	0.32	0.32	
6,182.0	12.70	325.70	5,801.6	1,781.1	-906.9	1,992.9	0.84	-0.84	-0.11	
6,276.0	12.60	326.50	5,893.3	1,798.2	-918.4	2,013.4	0.21	-0.11	0.85	
6,371.0	12.60	326.90	5,986.0	1,815.5	-929.8	2,034.1	0.09	0.00	0.42	
6,465.0	12.70	326.20	6,077.8	1,832.7	-941.1	2,054.7	0.19	0.11	-0.74	
6,560.0	11.90	323.50	6,170.6	1,849.2	-952.7	2,074.9	1.04	-0.84	-2.84	
6,654.0	10.50	318.20	6,262.8	1,863.4	-964.2	2,093.0	1.85	-1.49	-5.64	
6,749.0	10.60	321.40	6,356.2	1,876.7	-975.4	2,110.1	0.63	0.11	3.37	
6,843.0	8.50	315.10	6,448.9	1,888.3	-985.7	2,125.5	2.49	-2.23	-6.70	
6,938.0	4.20	305.30	6,543.3	1,895.3	-993.5	2,135.5	4.65	-4.53	-10.32	
7,033.0	3.50	291.30	6,638.1	1,898.4	-999.1	2,141.0	1.23	-0.74	-14.74	
7,127.0	3.00	293.80	6,731.9	1,900.4	-1,004.0	2,145.3	0.55	-0.53	2.66	
7,222.0	2.90	289.20	6,826.8	1,902.2	-1,008.5	2,149.2	0.27	-0.11	-4.84	
7,316.0	3.00	284.00	6,920.7	1,903.6	-1,013.2	2,152.8	0.30	0.11	-5.53	
7,505.0	3.30	286.20	7,109.4	1,906.3	-1,023.2	2,160.3	0.17	0.16	1.16	
7,600.0	3.30	284.00	7,204.2	1,907.7	-1,028.5	2,164.3	0.13	0.00	-2.32	
7,690.0	2.80	280.90	7,294.1	1,908.8	-1,033.2	2,167.6	0.58	-0.56	-3.44	
7,785.0	3.10	286.80	7,389.0	1,910.0	-1,037.9	2,171.1	0.45	0.32	6.21	
7,879.0	2.80	288.20	7,482.8	1,911.4	-1,042.5	2,174.7	0.33	-0.32	1.49	
Last Survey - 7879' MD										
7,974.0	2.70	286.40	7,577.7	1,912.8	-1,046.9	2,178.1	0.14	-0.11	-1.89	
8,068.0	2.30	284.40	7,671.6	1,913.9	-1,050.8	2,181.1	0.44	-0.43	-2.13	
8,163.0	3.00	284.20	7,766.5	1,915.0	-1,055.1	2,184.3	0.74	0.74	-0.21	
8,258.0	3.30	279.50	7,861.4	1,916.0	-1,060.2	2,187.8	0.42	0.32	-4.95	
8,352.0	3.50	269.70	7,955.2	1,916.4	-1,065.7	2,191.1	0.65	0.21	-10.43	
8,447.0	3.30	262.00	8,050.1	1,916.0	-1,071.3	2,193.7	0.52	-0.21	-8.11	
8,541.0	3.80	262.20	8,143.9	1,915.2	-1,077.1	2,196.0	0.53	0.53	0.21	
8,635.0	3.90	271.00	8,237.7	1,914.9	-1,083.4	2,198.9	0.64	0.11	9.36	
8,730.0	4.10	275.00	8,332.4	1,915.2	-1,090.0	2,202.7	0.36	0.21	4.21	
8,824.0	4.10	274.50	8,426.2	1,915.8	-1,096.7	2,206.6	0.04	0.00	-0.53	
8,919.0	3.80	278.90	8,521.0	1,916.5	-1,103.2	2,210.7	0.45	-0.32	4.63	

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Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Well:	NPR 12B-10 596	North Reference:	True
Wellbore:	NPR 12B-10 596 Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	NPR 12B-10 596 Wellbore #1	Database:	US_EDM

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)
9,013.0	3.70	280.00	8,614.8	1,917.6	-1,109.2	2,214.7	0.13	-0.11	1.17
9,108.0	4.00	267.10	8,709.6	1,917.9	-1,115.6	2,218.3	0.96	0.32	-13.58
9,203.0	4.60	264.50	8,804.3	1,917.4	-1,122.7	2,221.5	0.66	0.63	-2.74
9,297.0	5.00	266.60	8,898.0	1,916.8	-1,130.5	2,225.1	0.46	0.43	2.23
9,392.0	6.50	260.90	8,992.5	1,915.7	-1,139.9	2,229.1	1.69	1.58	-6.00
9,801.0	9.20	245.20	9,397.7	1,898.3	-1,192.5	2,241.6	0.84	0.66	-3.84
9,841.7	9.20	245.20	9,437.8	1,895.6	-1,198.4	2,242.3	0.00	0.00	0.00
BHL 1498'FNL, 1330'FWL, SEC.10									
9,876.0	9.20	245.20	9,471.7	1,893.3	-1,203.4	2,243.0	0.00	0.00	0.00

Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
7,879.0	7,482.8	1,911.4	-1,042.5	Last Survey - 7879' MD

Checked By: _____ Approved By: _____ Date: _____