Company Name: Jay-Bee Oil & Gas
Dopey 6
Tyler County
Rig: Nomac #31
Created By: Keith Noack
Date: 1/27/2018

Dopey 6
Tyler County
Q180085 & AM-180075
Design #3

PROJECT DETAILS: Tyler County
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: West Virginia Northern Zone
System Datum: Mean Sea Level

WELL DETAILS: Dopey 6

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude
0.0	0.0	14430.39	1609170.01	916.7	39° 26' 17.830 N	80° 46' 20.364 W

Azimuths to Grid North
True North: 0.51°
Magnetic North: -7.76°

Magnetic Field
Strength: 51939.5snT
Dip Angle: 66.64°
Date: 1/14/2018
Model: IGRF2015

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	
368.0	0.71	143.15	368.0	-0.1	4.6	0.00	0.00	-2.9	Tie In VES Gyro @ 368.0° MD, 368.0° TVD
500.1	0.71	143.15	500.0	-1.4	5.8	0.00	0.00	-4.2	Build/Turn 4.00°/100'
965.1	5.48	322.28	964.9	3.7	1.8	4.00	179.23	2.2	EOB: 5.48° Inc, 322.28° Azi
1348.2	5.48	322.28	1344.8	66.2	-33.0	0.00	0.00	68.4	Drop 4.00°/100'
1498.6	0.00	360.00	1481.9	81.4	-43.0	4.00	180.00	74.9	EOD: 0.00° Inc, 0.00° Azi
4966.2	0.00	360.00	4951.5	81.4	-43.0	0.00	360.00	74.9	KOP : Build 4.00°/100'
6355.3	20.00	317.23	6341.4	124.8	-101.7	4.00	317.23	160.1	Hold: 20.00° Inc, 317.23 °Azi
6722.7	20.00	317.23	6705.6	367.9	-335.4	0.00	0.00	483.2	Build/Turn 10.00°/100'
7928.1	90.00	327.66	8630.0	810.2	-698.2	10.00	11.08	1026.0	EOC: 90.00° Inc, 327.66° Azi, 8630.0' TVD
14972.1	90.00	327.66	8630.0	7623.4	-4887.4	0.00	0.00	8971.5	TD @ 14972.1' MD, 8630.0' TVD

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
368.0	0.71	143.15	368.0	-0.1	4.6	-2.9	5.4	Gyro Tie-In @ 368.0° MD / 368.0' TVD
14920.6	81.50	327.29	8609.5	7612.4	-4903.8	8971.5	9028.1	TD @ 14920.0° MD / 8609.5' TVD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
LP - Dopey 6	8630.0	810.2	-698.2	345915.54	1608533.37	39° 29' 25.803 N	80° 46' 29.918 W
PBHL - Dopey 6	8630.0	7623.4	-4887.4	351626.88	1604282.88	39° 27' 31.583 N	80° 47' 26.032 W

Vertical Section at 326.99° (200 usft/in)

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Office of Oil and Gas

JUN 03 2019

WV Department of
Environmental Protection

Jay-Bee Oil & Gas

Tyler County
Dopey Pad
Dopey 6
Wellbore #1

Design: Wellbore #1

QES Survey Certification Report

27 January, 2018

QES
DIRECTIONAL DRILLING

Quintana Energy Services
11390 FM 830
Willis, TX 77318
Phone: (936) 856-4332
Fax: (936) 856-8678

Survey Certification Sheet

Company	Job Number	Date
Jay- Bee Oil& Gas	AM-180075	4/23/2018

Lease	Well Name	County & State
N/A	Dopey #6	Tyler County, West Virginia

API No.	Survey Depth Range	Survey Type
47-095-02240	368 feet to 14920 feet MD	MWD

Sidetrack Information	Directional Supervisor/Surveyor
Click here to enter text.	Steve Spicer

Certification Statement

The data and calculations for this survey have been checked by me and conform to the standards and procedures set forth by Quintana Energy Services (QES). This report represents a true and correct directional survey of this well based on the original data obtained at the well site. Wellbore coordinates are calculated using minimum curvature.

Christopher Hughes

Digitally signed by Christopher Hughes
DN: cn=Christopher Hughes, o=QES, ou=compliance, email=chrish@qeslp.com, c=US
Date: 2018.04.24 13:17:30 -05'00'

Christopher Hughes
MWD Compliance Manager
Quintana Energy Services

Company:	Jay-Bee Oil & Gas	**Local Co-ordinate Reference:**	Well Dopey 6
Project:	Tyler County	**TVD Reference:**	well @ 931.3usft (Nomac #81)
Site:	Dopey Pad	**MD Reference:**	well @ 931.3usft (Nomac #81)
Well:	Dopey 6	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.1 Single User Db

Project Tyler County

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	West Virginia Northern Zone		

Site Dopey Pad

Site Position:		**Northing:**	344,194.77 usft	**Latitude:**	39° 26' 16.836 N
From:	Lat/Long	**Easting:**	1,609,090.36 usft	**Longitude:**	80° 46' 21.360 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	-0.81 °

Well Dopey 6

Well Position	**+N/-S**	0.0 usft	**Northing:**	344,303.30 usft	**Latitude:**	39° 26' 17.920 N
	+E/-W	0.0 usft	**Easting:**	1,609,170.03 usft	**Longitude:**	80° 46' 20.364 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	0.0 usft	**Ground Level:**	910.7 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/14/2018	-8.59	66.64	51,939.48971022

Design Wellbore #1

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	326.99

Survey Program **Date** 1/27/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
50.0	368.0	Gyro (Wellbore #1)	GYRO-NS	OWSG Gyrocompass Gyro
420.0	14,920.0	QES MWD Surveys (Wellbore #1)	OWSG MWD - Standard	OWSG MWD - Standard

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
368.0	0.71	143.15	368.0	-0.1	4.6	4.6	91.12
Gyro Tie-In @ 368.0' MD / 368.0' TVD							
420.0	1.09	163.23	419.9	-0.8	4.9	5.0	99.44
467.0	0.76	174.66	466.9	-1.6	5.1	5.3	107.01
514.0	0.64	288.02	513.9	-1.8	4.9	5.2	110.15
561.0	1.84	312.45	560.9	-1.2	4.1	4.2	106.41
609.0	3.40	322.40	608.9	0.4	2.6	2.7	80.30
656.0	4.96	327.67	655.7	3.3	0.7	3.3	12.00
704.0	5.42	322.06	703.6	6.8	-1.8	7.0	345.13
751.0	5.41	332.06	750.3	10.5	-4.2	11.3	338.18
799.0	5.40	328.56	798.1	14.4	-6.4	15.8	335.94

Company:	Jay-Bee Oil & Gas	**Local Co-ordinate Reference:**	Well Dopey 6
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Well:	Dopey 6	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
846.0	5.65	315.94	844.9	18.0	-9.2	20.2	332.89
893.0	5.40	319.21	891.7	21.3	-12.3	24.6	330.10
940.0	5.36	321.06	938.5	24.7	-15.1	29.0	328.59
988.0	5.06	321.22	986.3	28.1	-17.8	33.3	327.62
1,083.0	5.33	325.05	1,080.9	35.0	-23.0	41.9	326.71
1,177.0	5.96	322.70	1,174.4	42.5	-28.4	51.1	326.18
1,272.0	5.93	319.52	1,268.9	50.1	-34.6	60.9	325.37
1,367.0	3.89	315.21	1,363.6	56.1	-40.1	69.0	324.48
1,462.0	1.50	302.22	1,458.5	59.1	-43.4	73.3	323.71
1,557.0	0.42	237.69	1,553.5	59.6	-44.7	74.5	323.09
1,651.0	0.51	156.17	1,647.5	59.0	-44.9	74.1	322.75
1,746.0	0.76	133.80	1,742.4	58.2	-44.2	73.1	322.75
1,841.0	0.66	325.30	1,837.4	58.2	-44.1	73.0	322.84
1,936.0	0.70	336.05	1,932.4	59.2	-44.6	74.1	322.97
2,031.0	0.90	10.21	2,027.4	60.4	-44.7	75.2	323.48
2,127.0	0.89	41.39	2,123.4	61.7	-44.1	75.9	324.45
2,225.0	1.45	199.10	2,221.4	61.1	-44.0	75.3	324.24
2,320.0	0.39	138.28	2,316.4	59.7	-44.2	74.3	323.51
2,414.0	0.29	85.19	2,410.4	59.5	-43.7	73.9	323.69
2,509.0	0.84	66.51	2,505.4	59.8	-42.9	73.6	324.38
2,604.0	0.81	61.03	2,600.4	60.4	-41.6	73.4	325.43
2,699.0	0.24	157.62	2,695.4	60.6	-41.0	73.1	325.92
2,793.0	0.18	195.32	2,789.4	60.2	-40.9	72.8	325.80
2,888.0	0.23	199.32	2,884.4	59.9	-41.0	72.6	325.59
2,983.0	0.42	222.56	2,979.4	59.5	-41.3	72.4	325.20
3,077.0	0.36	260.61	3,073.4	59.2	-41.9	72.5	324.73
3,171.0	0.37	280.75	3,167.4	59.2	-42.5	72.8	324.35
3,266.0	0.45	290.13	3,262.4	59.4	-43.1	73.4	324.02
3,361.0	0.74	260.21	3,357.4	59.4	-44.1	74.0	323.43
3,456.0	0.98	0.39	3,452.4	60.1	-44.7	74.9	323.39
3,551.0	0.97	1.70	3,547.3	61.7	-44.6	76.2	324.13
3,646.0	0.45	302.80	3,642.3	62.7	-44.9	77.2	324.39
3,740.0	0.36	264.41	3,736.3	62.9	-45.5	77.6	324.11
3,835.0	1.06	96.46	3,831.3	62.8	-44.9	77.2	324.40
3,929.0	1.19	86.10	3,925.3	62.7	-43.1	76.1	325.51
4,023.0	0.28	356.42	4,019.3	63.0	-42.2	75.8	326.23
4,118.0	0.68	9.25	4,114.3	63.8	-42.1	76.1	326.61
4,212.0	0.79	18.33	4,208.3	65.0	-41.8	77.3	327.26
4,310.0	0.19	314.93	4,306.3	65.7	-41.7	78.0	327.63
4,405.0	0.29	6.68	4,401.3	66.1	-41.8	78.2	327.71
4,499.0	0.22	16.17	4,495.3	66.5	-41.7	78.3	327.92
4,593.0	0.55	52.36	4,589.3	67.0	-41.3	78.6	328.34
4,688.0	0.71	38.05	4,684.3	67.7	-40.6	78.9	329.07
4,783.0	0.87	23.55	4,779.3	68.8	-39.9	79.6	329.89

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Design:	Wellbore #1	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
4,878.0	4.38	331.10	4,874.2	72.7	-41.4	83.6	330.34
4,973.0	8.12	326.35	4,968.6	81.4	-46.8	93.9	330.09
5,067.0	10.18	324.25	5,061.4	93.7	-55.4	108.8	329.41
5,162.0	11.89	325.93	5,154.6	108.6	-65.8	127.0	328.81
5,257.0	14.48	321.92	5,247.1	126.1	-78.6	148.6	328.07
5,352.0	16.83	318.40	5,338.6	145.7	-95.0	174.0	326.89
5,446.0	17.05	314.22	5,428.5	165.5	-113.9	200.9	325.45
5,541.0	18.04	312.57	5,519.1	185.2	-134.8	229.0	323.95
5,636.0	19.97	311.02	5,608.9	205.8	-157.8	259.3	322.51
5,731.0	20.39	314.26	5,698.1	228.0	-181.9	291.7	321.41
5,826.0	19.64	312.31	5,787.3	250.3	-205.6	323.9	320.60
5,920.0	21.51	316.62	5,875.3	273.4	-229.1	356.7	320.04
6,015.0	22.34	314.28	5,963.5	298.7	-254.0	392.1	319.62
6,103.0	23.00	315.30	6,044.7	322.6	-278.1	425.9	319.24
6,150.0	23.00	313.70	6,087.9	335.5	-291.2	444.2	319.04
6,197.0	26.30	315.10	6,130.7	349.2	-305.2	463.7	318.85
6,244.0	32.60	313.50	6,171.6	365.3	-321.7	486.8	318.63
6,292.0	33.90	312.80	6,211.7	383.3	-340.9	513.0	318.35
6,339.0	35.40	315.10	6,250.4	401.8	-360.1	539.6	318.13
6,387.0	37.50	322.40	6,289.0	423.3	-378.9	568.1	318.17
6,434.0	41.00	324.40	6,325.4	447.1	-396.6	597.7	318.43
6,482.0	43.00	323.00	6,361.1	473.0	-415.6	629.7	318.70
6,529.0	46.50	321.70	6,394.4	499.2	-435.8	662.7	318.88
6,576.0	48.60	324.40	6,426.2	526.9	-456.7	697.3	319.09
6,623.0	50.10	325.00	6,456.8	556.0	-477.3	732.8	319.36
6,671.0	52.40	323.60	6,486.8	586.4	-499.1	770.1	319.60
6,718.0	56.00	322.60	6,514.3	616.9	-522.0	808.1	319.76
6,766.0	59.10	322.90	6,540.1	649.1	-546.5	848.6	319.91
6,813.0	62.00	325.40	6,563.2	682.3	-570.5	889.4	320.10
6,861.0	64.70	325.10	6,584.7	717.6	-594.9	932.1	320.34
6,908.0	69.50	325.90	6,603.0	753.2	-619.4	975.2	320.57
6,956.0	76.20	327.60	6,617.1	791.6	-644.5	1,020.8	320.85
7,003.0	81.20	328.50	6,626.3	830.7	-668.9	1,066.5	321.16
7,050.0	84.00	329.20	6,632.4	870.5	-693.0	1,112.7	321.48
7,097.0	85.10	329.40	6,636.8	910.8	-716.9	1,159.1	321.79
7,145.0	85.20	329.70	6,640.9	952.0	-741.2	1,206.5	322.10
7,239.0	88.00	326.80	6,646.5	1,031.8	-790.5	1,299.8	322.54
7,334.0	88.40	325.70	6,649.5	1,110.7	-843.3	1,394.6	322.79
7,429.0	89.30	325.60	6,651.4	1,189.1	-896.9	1,489.4	322.98
7,523.0	91.90	327.60	6,650.4	1,267.6	-948.6	1,583.3	323.19
7,618.0	91.30	327.90	6,647.7	1,347.9	-999.3	1,677.9	323.45
7,713.0	92.10	327.30	6,644.9	1,428.1	-1,050.2	1,772.7	323.67
7,807.0	90.20	328.30	6,643.0	1,507.6	-1,100.2	1,866.4	323.88
7,902.0	90.60	328.90	6,642.4	1,588.7	-1,149.7	1,961.1	324.11

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7,997.0	90.60	331.70	6,641.4	1,671.2	-1,196.8	2,055.5	324.39
8,092.0	89.10	328.20	6,641.6	1,753.4	-1,244.4	2,150.1	324.64
8,187.0	89.80	329.90	6,642.5	1,834.9	-1,293.2	2,244.8	324.82
8,282.0	89.30	329.50	6,643.3	1,916.9	-1,341.1	2,339.5	325.02
8,377.0	89.80	330.20	6,644.0	1,999.1	-1,388.9	2,434.2	325.21
8,472.0	89.70	325.70	6,644.4	2,079.6	-1,439.2	2,529.0	325.31
8,567.0	90.90	327.80	6,643.9	2,159.0	-1,491.3	2,624.0	325.37
8,662.0	89.90	329.50	6,643.3	2,240.1	-1,540.8	2,718.8	325.48
8,756.0	89.60	325.60	6,643.7	2,319.4	-1,591.2	2,812.8	325.55
8,851.0	90.30	325.90	6,643.8	2,398.0	-1,644.6	2,907.8	325.56
8,946.0	90.90	326.40	6,642.8	2,476.8	-1,697.6	3,002.7	325.57
9,040.0	90.90	324.40	6,641.3	2,554.2	-1,750.9	3,096.7	325.57
9,135.0	91.00	327.70	6,639.7	2,633.0	-1,804.0	3,191.7	325.58
9,229.0	90.00	326.10	6,638.9	2,711.7	-1,855.3	3,285.7	325.62
9,324.0	89.90	329.20	6,639.0	2,792.0	-1,906.1	3,380.6	325.68
9,419.0	89.90	326.70	6,639.1	2,872.5	-1,956.5	3,475.5	325.74
9,514.0	90.20	329.50	6,639.1	2,953.1	-2,006.7	3,570.4	325.80
9,609.0	90.70	328.20	6,638.3	3,034.4	-2,055.9	3,665.3	325.88
9,703.0	90.20	328.50	6,637.6	3,114.4	-2,105.2	3,759.2	325.94
9,798.0	89.70	330.20	6,637.7	3,196.2	-2,153.6	3,854.0	326.03
9,893.0	89.80	327.20	6,638.1	3,277.3	-2,203.0	3,948.9	326.09
9,987.0	90.70	329.50	6,637.7	3,357.3	-2,252.3	4,042.8	326.14
10,028.0	90.20	331.80	6,637.3	3,393.1	-2,272.4	4,083.7	326.19
10,177.0	90.50	331.00	6,636.4	3,523.9	-2,343.7	4,232.1	326.37
10,271.0	89.10	328.50	6,636.8	3,605.1	-2,391.1	4,325.9	326.45
10,366.0	89.10	328.40	6,638.3	3,686.0	-2,440.8	4,420.9	326.49
10,460.0	90.10	328.10	6,638.9	3,766.0	-2,490.2	4,514.8	326.53
10,555.0	91.00	328.10	6,638.0	3,846.6	-2,540.4	4,609.8	326.56
10,650.0	89.30	326.20	6,637.8	3,926.4	-2,591.9	4,704.8	326.57
10,745.0	90.20	326.40	6,638.2	4,005.5	-2,644.7	4,799.8	326.56
10,840.0	90.00	326.80	6,638.0	4,084.8	-2,697.0	4,894.8	326.57
10,934.0	91.10	326.60	6,637.1	4,163.3	-2,748.6	4,988.8	326.57
11,029.0	89.00	327.10	6,637.0	4,242.9	-2,800.5	5,083.8	326.57
11,124.0	89.50	327.10	6,638.3	4,322.6	-2,852.1	5,178.7	326.58
11,219.0	89.50	325.40	6,639.1	4,401.6	-2,904.9	5,273.7	326.58
11,314.0	89.80	323.70	6,639.7	4,479.0	-2,960.0	5,368.7	326.54
11,409.0	91.10	328.80	6,638.9	4,557.9	-3,012.7	5,463.6	326.54
11,504.0	90.30	331.70	6,637.8	4,640.4	-3,059.9	5,558.6	326.60
11,598.0	91.30	332.40	6,636.4	4,723.4	-3,103.9	5,652.6	326.69
11,693.0	90.90	330.30	6,634.6	4,806.8	-3,149.5	5,746.7	326.77
11,788.0	88.20	326.40	6,635.4	4,887.6	-3,199.3	5,841.6	326.79
11,882.0	89.80	330.30	6,637.0	4,967.6	-3,248.6	5,935.5	326.82
11,976.0	89.20	324.10	6,637.8	5,046.6	-3,299.5	6,029.5	326.82
12,071.0	89.80	323.70	6,638.7	5,123.3	-3,355.5	6,124.4	326.78

Company:	Jay-Bee Oil & Gas	**Local Co-ordinate Reference:**	Well Dopey 6
Project:	Tyler County	**TVD Reference:**	well @ 931.3usft (Nomac #81)
Site:	Dopey Pad	**MD Reference:**	well @ 931.3usft (Nomac #81)
Well:	Dopey 6	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
12,166.0	91.90	331.00	6,637.3	5,203.3	-3,406.7	6,219.3	326.79
12,261.0	89.80	328.50	6,635.8	5,285.3	-3,454.5	6,314.1	326.83
12,356.0	90.10	328.60	6,635.9	5,366.3	-3,504.1	6,409.1	326.86
12,451.0	91.60	331.00	6,634.5	5,448.4	-3,551.9	6,503.9	326.90
12,546.0	90.70	329.50	6,632.6	5,530.9	-3,599.0	6,598.7	326.95
12,641.0	90.20	326.50	6,631.9	5,611.4	-3,649.3	6,693.7	326.96
12,736.0	91.30	326.30	6,630.6	5,690.6	-3,701.9	6,788.7	326.95
12,831.0	92.00	325.20	6,627.9	5,769.1	-3,755.3	6,883.6	326.94
12,925.0	91.30	325.10	6,625.2	5,846.2	-3,809.0	6,977.6	326.91
13,020.0	92.50	324.40	6,622.0	5,923.7	-3,863.8	7,072.4	326.89
13,115.0	92.00	328.70	6,618.3	6,002.9	-3,916.1	7,167.3	326.88
13,210.0	89.90	330.10	6,616.7	6,084.6	-3,964.5	7,262.2	326.91
13,304.0	90.00	327.40	6,616.8	6,165.0	-4,013.2	7,356.2	326.94
13,399.0	91.00	328.40	6,616.0	6,245.5	-4,063.7	7,451.2	326.95
13,494.0	90.10	327.50	6,615.1	6,326.0	-4,114.1	7,546.1	326.96
13,589.0	90.40	328.20	6,614.6	6,406.4	-4,164.7	7,641.1	326.97
13,684.0	90.10	327.30	6,614.2	6,486.8	-4,215.4	7,736.1	326.98
13,779.0	89.80	324.70	6,614.3	6,565.5	-4,268.5	7,831.1	326.97
13,874.0	89.00	324.20	6,615.3	6,642.8	-4,323.7	7,926.0	326.94
13,969.0	88.80	321.50	6,617.1	6,718.5	-4,381.1	8,020.7	326.89
14,064.0	88.20	326.00	6,619.6	6,795.1	-4,437.2	8,115.5	326.86
14,159.0	89.90	328.80	6,621.2	6,875.1	-4,488.4	8,210.5	326.86
14,253.0	89.30	326.60	6,621.9	6,954.5	-4,538.6	8,304.5	326.87
14,348.0	90.80	326.90	6,621.8	7,034.0	-4,590.7	8,399.5	326.87
14,443.0	91.40	326.70	6,619.9	7,113.4	-4,642.7	8,494.5	326.87
14,538.0	91.60	327.30	6,617.5	7,193.1	-4,694.4	8,589.4	326.87
14,633.0	92.10	327.10	6,614.4	7,272.9	-4,745.9	8,684.4	326.87
14,728.0	90.20	326.00	6,612.5	7,352.1	-4,798.2	8,779.3	326.87
14,823.0	90.90	326.40	6,611.6	7,431.1	-4,851.1	8,874.3	326.86
14,868.0	91.30	327.20	6,610.7	7,468.7	-4,875.7	8,919.3	326.86
14,920.0	91.30	327.20	6,609.5	7,512.4	-4,903.9	8,971.3	326.86

TD @ 14920.0' MD / 6609.5' TVD

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
368.0	368.0	-0.1	4.6	Gyro Tie-In @ 368.0' MD / 368.0' TVD
14,920.0	6,609.5	7,512.4	-4,903.9	TD @ 14920.0' MD / 6609.5' TVD