

# MENDELL ENERGY, LLC

Well Name: **AFTON 12-16H-4 - Sidetrack**

Surface Location: AFTON PAD 12-1S-68W

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

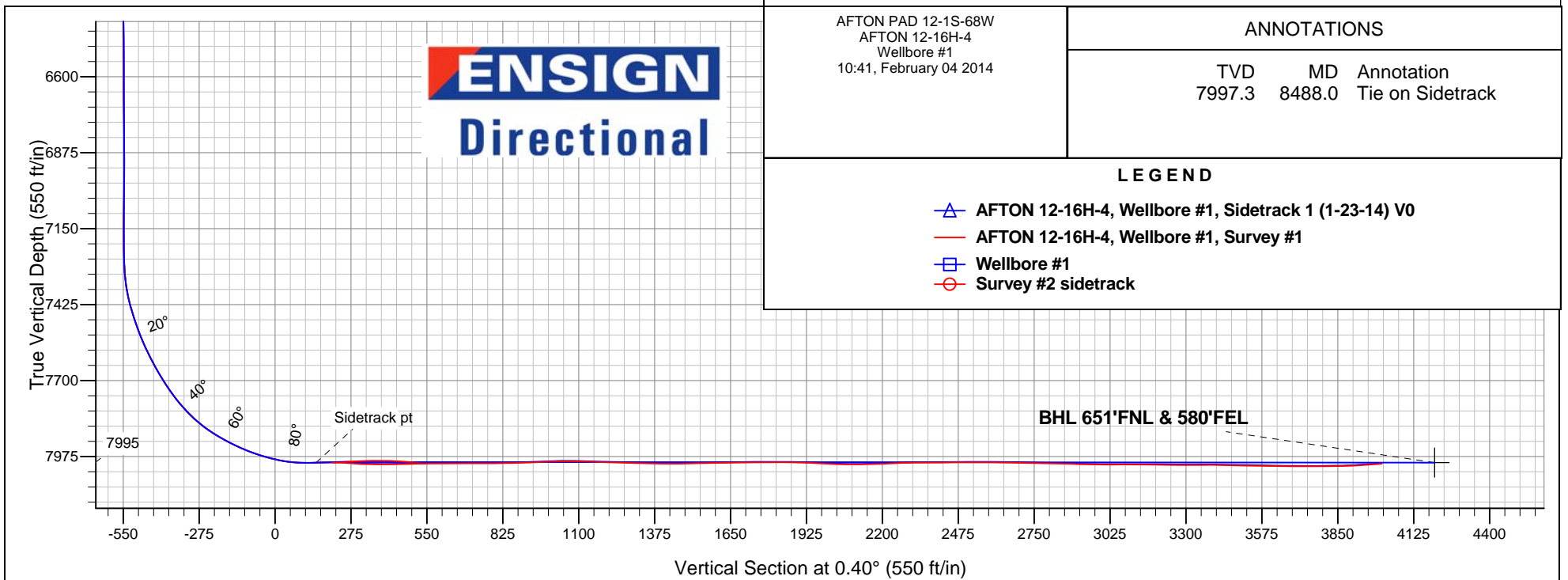
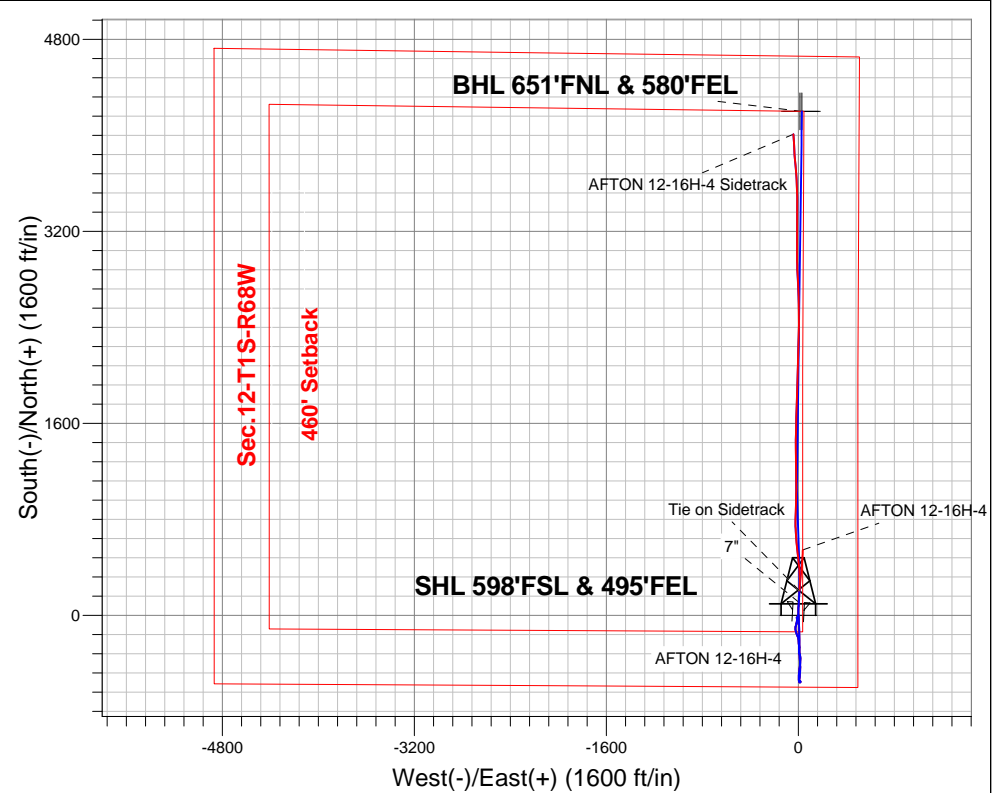
Ground Elevation: 5153.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1233718.32	3156371.20	39.973590	-104.942050	

Rig 12 KB -12' RKB @ 5165.0ft (Rig 12 KB -12')

## FINAL SURVEY

Projected Bottom Hole Location  
12296'MD 8001'TVD 4009'N & 41'W of SHL  
94.2 degree Incl @ 356.65 degree AZM





# **MENDELL ENERGY, LLC**

**SEC.12-T1S-R68W**

**AFTON PAD 12-1S-68W**

**AFTON 12-16H-4**

**Wellbore #1**

**Survey: Survey #2 sidetrack**

## **Standard Survey Report**

**04 February, 2014**



Survey	Response
1. What is the main reason for the decline in the number of people using the internet?	1. Lack of access to the internet
2. How do you think the internet will change the way we live in the future?	2. It will make life easier and more convenient
3. What are the biggest challenges facing the world today?	3. Climate change and environmental degradation
4. How do you feel about the current state of the world?	4. I feel optimistic about the future
5. What do you think is the most important issue facing humanity?	5. The need for global cooperation and peace

Casing Points	

## Survey Annotations

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**Company:** MENDELL ENERGY, LLC  
**Project:** SEC.12-T1S-R68W  
**Site:** AFTON PAD 12-1S-68W  
**Well:** AFTON 12-16H-4  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well AFTON 12-16H-4  
**TVD Reference:** RKB @ 5165.0ft (Rig 12 KB -12')  
**MD Reference:** RKB @ 5165.0ft (Rig 12 KB -12')  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** Landmark

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_