

NM

Halliburton Energy Services
Fatality Investigation

Todd Martin
Service Operator

January 27, 2006

Investigation Report

Definitions applicable to this report are the following:

- Panther: A large truck used to pump various medias into the wellhead.
- TCC: Technical Command Center
- Wellhead: The equipment installed at the surface of the well bore.

Scenario

On January 27 2006 employees of Halliburton Energy Services had just completed a well stimulation of Energen Resources Federal 29-9-15 #1S well site. The equipment had all been loaded and various support vehicles were beginning to leave the site. A group of Halliburton employees were gathered in a circle talking. They were standing near the rear of the site, in relation to the access road. At approximately 10:53 am, as a large pump truck, known as a "Panther" was leaving the site on the access road, one of the rear tires of the truck kicked up a rock approximately 7" by 7" by 2" in diameter and weighing approximately 8 pounds. The rock traveled approximately 43 feet and struck Todd Martin in the head. Mr. Martin was given first aid on site and was later transported by ambulance to the San Juan Medical Center. Mr. Martin died later that day at the hospital. The report from the Office of the Medical Investigator has not been released to this office yet, but will be added to this report at a later date.

Background

Halliburton is a major services and construction company, which includes, well logging, well completion, and reservoir engineering. Its corporate headquarters is located in Houston, Texas. The company has offices throughout the world, with locations in 121 countries. The office that controlled Mr. Martin is in Farmington, New Mexico. Halliburton has approximately 110,000 employees. Halliburton has a Health and Safety division, with a staff of over 100 employees. There is a safety manual issued to all employees called "Health, Safety & the Environment". This manual includes information regarding the company's policies on general safety, office and shop safety, transportation safety, operator requirements, hazard communication and the environment. Crews in the field are given a daily safety meeting before work begins or when needed by changing circumstances.

At the time of the incident the different crews involved in this well stimulation had removed its equipment from the well head and were beginning to leave the site.

Investigative Findings

Deceased

Name: Todd Franklin Martin
Height: 5' 7"
Weight: 220 pounds
Age: 43

Manner of death: Blunt force trauma to the head.

Physical Evidence

Well: Energen Resources Federal 29-9-15 #1S
Well Owner: Energen Resources
Hardhat
Rock
"Panther" Pump truck

Accident Setting

The incident occurred at the well site, near the wellhead. Visibility was clear with no precipitation.

Documents

Transcript – Halliburton's Dispatch office - Farmington
San Juan County Sheriff's report
Halliburton HSE Incident Reporting form
Halliburton Fracturing Call sheet
Halliburton Job Safety Analysis form
NM Workers' Compensation Administration Report
Halliburton Enterprise Resource Planning form
Copy of E-mail between Axiom Medical Consulting (Emily Lopez) to Gary Winn (Halliburton)
Halliburton OSHA 300 & 300A logs -2006
Map of accident site. – Hand drawn
OSHA Hotline Referral Transcript

Employee Discussions

[REDACTED] Halliburton Energy Services provided the following information:

I was working in the TAC when Aaron Begay came into the van and said "Todds been hurt, call 911". I started the phone call and had Jay finish it. I went outside to see if I could help with Todd. I went with Alonzo to help lead the ambulance to the site. The ambulance took 25 minutes to arrive. Todd was having trouble breathing and Johann was working on him when the ambulance arrived. After the ambulance took Todd away, I left after that.

[REDACTED] Halliburton Energy Services provided the following information:

We were finished with the job and moving the trucks out. I was in my pickup truck and moving it to make more room, when I saw something out of the corner of my eye. I saw Todd had fallen down. I went over and tried to help him. I saw other people making calls. I helped roll him over to his side to clear some of the blood and help with the breathing. I was also holding his head and checking his pulse. Johann was giving him chest compressions. I stayed with him till the ambulance arrived. I helped load him onto the board. I was there when the sheriff arrived. After he left, I helped clean up the site and then we moved the trucks back to the yard.

[REDACTED] Halliburton Energy Services, provided the following information:

On January 27th 2006 we were working at an Energen well site. We had finished the job and we were packing up to leave the site. The "Panther" pump truck was preparing to leave. Some of were standing near the well head. We were talking and watching or spotting up the road for the truck. I was facing southwest, not actually looking at the truck. I heard a pop and knew from past experience that it was a rock coming out from underneath a tire. I didn't see the rock, but I heard a thud from behind me and felt Todd's hardhat hit my shoulder. He was lying face up on the ground. He was unconscious. I went to the TCC vehicle and took the phone from Cedric Baker who was calling 911 at the time. I gave directions to the site. Johann Johangiri was giving 1st aid to Todd. After the ambulance arrived we helped load Todd. After the ambulance left, the sheriff arrived. We provided information. The sheriff left around 12:15. I left at 12:30.

[REDACTED] for Halliburton Energy Services provided the following information:

I was moving my work truck and parked it out of the way because trucks were leaving the site. I looked in the mirror and saw someone lying on the ground. At first I thought it was Cedric because I had just been talking to him earlier at the wellhead. I went over there and saw it was Todd. I helped with him by rolling him over to his side when he had trouble breathing. Later, I got a jacket from my truck for his head as a pillow. Todd was having trouble breathing. After a while I moved a truck to make room for the air ambulance. I waited to look for the helicopter at the edge of the site. I was told the ambulance was coming by the road later on, so I came back. After the ambulance arrived I helped load Todd. I left soon after the ambulance left.

[REDACTED] for Halliburton Energy Services provided the following information:

Call out time was 0300. Employees met at the Halliburton yard in Farmington at 0400. We arrived at the job site at 0530. The work was finished at 1000. The crews were starting to leave. I was in my truck, on the phone. Aaron Begay was spotting for the pump truck. As the pump truck pulled forward it blocked my view. After it passed I saw that the group of guys who were talking near the wellhead had dropped to the ground and were helping somebody. I ran over and saw it was Todd Martin. He was bleeding from the nose and mouth and sounded like he was having trouble breathing. I called the dispatcher, who already was aware of the accident. I drove out to the highway and showed the ambulance where to go. The sheriff arrived after the ambulance had left with Todd. I stayed to help the sheriff understand what had happened. The crew and I left at 1330.

Synopsis

On January 27 2006 at about 10:00am Mr. Todd Martin was struck on the side of the head by a large rock. Based on witness interviews and inspection of the site, it appears that Mr. Martin was conversing with his fellow co-workers after the completion of a well stimulation, when a large rock was forcefully thrown up by the interaction of the frozen ground and the torque generated by a right rear tire of the pump truck.

The rock was approximately a 7"x 7" x 2" in dimensions. Its approximate weight was about 8 pounds. It was thrown approximately 42.3 feet at what has been described as a very fast velocity. It was moving at an upward trajectory when it struck Mr. Martin on the left side of the head and face.

Based on witness statements, Mr. Martin was knocked to the ground and was unconscious after being struck. 1st aid was given to the victim by his co-workers, who had also called for medical assistance. Emergency response to the accident appears to have been appropriate.

Mr. Martin was transported by ambulance to the San Juan Medical Center. He died at that facility at approximately 6:30 pm.

Conclusion

The New Mexico Occupational Health and Safety Act 50-95(A) states that every employer shall furnish to each of its employees a place of employment, which are free from recognized hazards that are likely to cause death or physical harm to its employees. An analysis of the accident reveals that there were no unsafe work practices or indicators in which Halliburton Energy Services could have foreseen or used to prevent the fatal accident. There will be no citations issued.