



# 3D Shooting Report for the Micca Project

*Cheyenne North 3D  
Bickle Energies, Inc.  
Cheyenne, Rawlins County, KS.  
Lockhart Geophysical Crew # 1*

***Thursday March 12, 2015***

*The crew laid out 790 stations on Wednesday, the phone plants look great, the crew is not covering the phones but they are flush to the ground and with good solid kicks. They troubleshot the entire spread and at 9:45 AM they had all the program laid out. The crew started recording right at 10:00 AM with a 16 - 128 HZ 8 sweeps, 12 seconds, 2 seconds listening time. .5.2 Tapers. we had about 80 points on the already shot. We stop to do a bit of sweep testing that did not took long; sending records thru the Internet in the recorder took forever. There was some improvement on the frequencies tested but not enough to justified going back and re-shake the 80 points already taken. The crew was given the Ok to continue shaking with the same frequency and ended with 159 points for the day. Line crew and survey crew is already on the Cheyenne South 3D. Survey crew has enough flags on the ground for the line crew to start getting ahead. The line crew will start adding wire to Cheyenne south on Friday.*





Total points for the day = 159

Total sources acquired = 159 = 22.00 %

Total sources remaining = 000556

Total sources on the prospect = 715

Weather down *time* today = 0.0 hours

Total weather down *time* = 00.00 hours

**Friday March 13, 2015**

*The recorder woke lines up with no problems, all line woke with just two bad stations found on the entire program. The vibes run their daily radio Sims and I have seen unit 202 carrying problems before they arrived to this project. This vibe has been giving problems passing Sims with high distortion and low force, the mechanics have change accelerometers but we believe that the problem is in the instruments back panel connection. Every *time* this problem appears, the operators just swap instruments and it comes good. The records continue to look very good, good reflections visible on paper plot field records. The winds increase in the *afternoon* and the crew was force to shut down a bit early with 194 points for the day.*





Total points for the day = 194

Total sources acquired = 353 = 49.00 %

Total sources remaining = 362

Total sources on the prospect = 715

Weather down *time* today = 2.0 hours

Total weather down *time* = 2.00 hours

**Saturday March 14, 2015**

*The recorder had trouble again with vibe #202, the morning radio Sims shows a drift in phase with more than 45% on the positive side. The observers change the instruments to another vibe and the problems seem to fallow the instrument as the new vibe was having the same problem. After we look at the vibe, it look like the vibe had a radio delay problem and seems like the speaker polarity was reverse. We ask the observer to send a download with the speaker polarity in normal and the vibe came with good phase. The crew started shaking with no problems, the vibe gave the occasional out of phase error but it was quickly adjusted and continue shaking. The crew has a spare instrument on site and will change the instrument if the problem persist. The spread woke up with 3 bad stations, one open channel and two noisy stations that the troubleshooters repair quickly. The vibes shook all of the long swaths and ended with 259 points. We should be finishing with this project on Sunday. Line taps and enough wire has been laid out on Cheyenne South for the crew to start sweep testing on Sunday.*





Total points for the day = 259

Total sources acquired = 612 = 86.00 %

Total sources remaining = 103

Total sources on the prospect = 715

Weather down *time* today = 0.0 hours

Total weather down *time* = 2.00 hours

**Sunday March 15, 2015**

*The recorder power up spread with no issues, the vibes morning radio Sims with no problems. The mechanics did change a set of instruments on the vibe and seems like the phase problem has gone away with the other set of instruments that it had. The crew shook uninterrupted until noon when they finish recording all the program. The short lines on the south had great reflections not visible while we were shaking on the north and the short lines were the far offset. The crew finish recording on this project and moves to the Cheyenne South 3D to troubleshoot spread, run Wirelines on all four vibes and a few sweep test. Good day for the crew, they ended with 103 points.*





*Total points for the day = 103*

*Total sources acquired = 715 = 100.00 %*

*Total sources remaining = 00*

*Total sources on the prospect = 715*

*Weather down time today = 0.0 hours*

*Total weather down time = 2.00 hours*

**Monday March 16, 2015**

*The crew arrives waking up spread with 5 stations failing resistance, 2 open channels and 7 stations failing pulse. The observers ran Wirelines on all four vibes with the 14- 128 frequency for this program. One of the vibes kept coming out with high phase problems that we believe it is in the instruments and not the vibe. The crew did replace the set of instruments but all they have is the faulty instrument that has a speaker polarity problem and has to be downloaded every morning. The crew started recording on the south end and the vibes had many detours due to fences. The detours are very long and some *time* was lost. The crew ended with 189 points for the day. Good day for the crew....*





Total points for the day = 189

Total sources acquired = 189 = 12.00 %

Total sources remaining = 1373

Total sources on the prospect = 1562

Weather down *time* today = 0.0 hours

Total weather down *time* = 0.00 hours

***Tuesday March 17, 2015***

*The crew had no troubles during the morning with the spread or the vibes, one of the vibes did went down with a broken bolt on top of the mass seal. This unit was down for over two hours and the crew was down to one set of vibes. The line crew did get all the wire from Cheyenne North including trash off the ground. All line taps also have been removed from the north and added all line taps to Cheyenne south. The crew still ended with a good day and 254 points. The line crew has extra wire to complete deployment on all remaining lines on this project. Only the short lines to the north remain to get laid out. Mr. Matt Bickle on site. Records continue to look great with great reflections on plotted field monitors.*





Total points for the day = 254

Total sources acquired = 443 = 28.00 %

Total sources remaining = 1115

Total sources on the prospect = 1562

Weather down *time* today = 0.0 hours

Total weather down *time* = 0.00 hours

**Wednesday March 18, 2015**

*The recorder power up spread and woke lines with no problems, the spread had just a few weak channels and troubleshooters had them repair quickly. The vibes shook with no problems and one of the units has a lift cylinder problem that occasionally has trouble lifting the pad, the mechanics think that this is an instrument problem. The recorder has a brand new instrument and it was taken to the problems vibe. If the problem continues it will be change. The vibe work great after we gave him the spare instrument. The line crew has finish deploying wire on the entire program and as the vibes moves north, there a fewer fences with shorter detours. The recorder finish around 5:30 with 254 points and moves the recorder up north for the final set up. good day for the crew.*



Total points for the day = 254

Total sources acquired = 697 = 45.00 %

Total sources remaining = 861

Total sources on the prospect = 1562

Weather down *time* today = 0.0 hours

Total weather down *time* = 0.00 hours

**Thursday March 19, 2015**

*The vibe operators had a bit of trouble finding the gate to enter the east side halo on section 36; I spoke to one of the landowners who gave permission to lower the electric fence and enter the property, he also advise us of a gate east of the property that is a long ways but the only way to get around. David Del Rio and I drove around, found the gate and access to the property with a long detour for the vibes. The vibes were shaking on the north 1/2 of sections 33 & 34, I drove around and notice the sprinkler on the crop circles turn on, terrain on the alfalfa was very wet. QC contacted Chad (permit agent and he gave me a few number to call, I made several calls to Mr. AB Fischer and ended up talking to JB Locker, he arrives to the field and turns off the sprinkler but advice us not to go in these fields unless it is completely dry. The permit agent also said the same, be careful what we do on this property. QC pass along the information to the operators, observers and party manager. The crew shook 256 points for the day.*





*Total points for the day = 256*

*Total sources acquired = 953 = 61.00 %*

*Total sources remaining = 605*

*Total sources on the prospect = 1562*

*Weather down time today = 0.0 hours*

*Total weather down time = 0.00 hours*

**Friday March 20, 2015**

The vibe operator made the last detour on the east end, took a fence down with the landowners permission, got the six points for the halo and continue moving west. The crop circles were a little wet and decided to give it more time to dry out. The line crew was sent to another job but they had two lines clear on the south on this program. All extra flagging from Breckenridge and Paragon has been pick up, there is a little more out there in gates but we will drive around and pick it all up. In the afternoon, Mr. Matt Bickle and I drove around to check the irrigation circles, they were still a little wet and decided to go ahead and give it a full day to dry out, the vibes moved to the west and continue shaking north skipping the points on the crop circles. The crew shook with no problems and finish the day with 261 points. records continue to look great with good reflections on plotted field monitors.





Total points for the day = 261

Total sources acquired = 1214 = 78.00 %

Total sources remaining = 344

Total sources on the prospect = 1562

Weather down *time* today = 0.0 hours

Total weather down *time* = 0.00 hours

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