

City of Colleyville Oil and Gas Well Drilling and Production  
Monthly Inspection Summary

Well/Pipeline Identification: Trinity  
7504 Pleasant Run  
Colleyville, Texas 76034

Date(s): April 2011

Inspector: Christopher Polidore  
Belcheff & Associates, Inc.

**General**

Progress is ahead of schedule with the drilling plan appropriately adjusted. Drilling of wells “B” and “D” is complete. Well “A” is currently being drilled with the horizontal section remaining and is anticipated to be complete by mid-May.

A co-polymer bead system is currently in use at the site. The mechanics behind this technology is to reduce friction and establish and stabilize the wall cake, a thin membrane on the surface of the well bore (hole). Its use is apparently effective.

Major wind and thunderstorms during April had little effect on site operations but did damage the southwest corner of the sound wall. A few panels and sound blankets became ajar and were repaired within a day.

**Noise**

There were some noise complaints during the month of April. The sound monitoring reports showed compliance in all cases. Again, environmental noise external to the site contributed to more significant noise elevation. These sources are air traffic, landscaping contractors, sirens, animals in close proximity to a noise monitor, and thunder.

Intermittent allowable noise increases did occur during the month which included pipe banging, use of jars, and loading and unloading pipe. There was an incident related to the use of the loud speaker system, which is only allowable during emergencies. Although the noise generated from this was in compliance, a complaint was rightfully received regarding the incident. The incident was immediately addressed by site management before it became apparent to the City from a resident complaint. In addition to phone usage, radio equipment, recently acquired for the site, is currently in use for communications.

With sound monitoring reports showing compliance, earlier low frequency vibration complaints prompted the hiring of a vibration consultant by the operator. The consultant was able to take field readings for analysis by a lab in California. Findings from the study have yet to be provided. Typically soils have low harmonic frequencies, below 100Hz depending on their composition, which could have coincided with frequencies generated from the drilling stem.

Overall, sound monitoring reports have shown considerably lower noise levels in the past several weeks. It is anticipated that the changes in the drilling plans and the added noise filtering from springtime foliage has contributed to this effect.

### **Environmental**

As a follow-up and double-check to casing installation requirements, casing letters from the TCEQ were requested and reviewed by the Gas Well Inspector.

During casing installation of well “D” a threading problem became apparent, requiring detailed inspection and repair. The cause was determined to be thread damage as the casing was lifted into the derrick. This is normally not a problem so thread protectors were used for the remainder of the installation. The Gas Well Inspector was on site for the entire installation.

With the number of storms the past several weeks, the erosion control measures and site design proved effective in keeping all the rainwater in containment. The rainwater was vacuumed and removed from the site on numerous occasions and usually continued for a few days after each rainstorm as water drained to collection areas.

An additional sewer tank was added to the site to coordinate waste removal services between living quarters.

### **Security/Safety**

As with last month, there were a few occasions of individuals trying to gain access to the site. In addition to individuals in motor vehicles, bicyclists are now added to the list. In all cases access was not permitted.

There were some cases of truck drivers missing turns and having to enter or exit from an unapproved route. This has been specific to missing Tinker Rd. and the site entrance drive. Other than repeatedly reminding truck drivers, measures in place to help define the truck route include a no left turn sign at the exit of the site, and a sign indicating the distance to Tinker Rd with terms similar to “Tinker or ticket.” Also when using the exit route, a blue City sign just before the Tinker turn is in place indicating the turn since the road sign is not easily visible at the intersection.

### **Site Conditions**

Housekeeping at the site is good. Equipment not in use is readily removed from the site. The sweeper is regularly clearing debris from the driveway and in some cases on Pleasant Run and the rig crew is constantly cleaning the rig area.

This is not a critical issue, or a permanent problem, but worthy of mention for further design consideration. Since the driveway is “s” shaped and there is no straight section of pavement, it appears when necessary to make room for another vehicle, or when parked stacked in a line, it creates an opportunity to have a set of wheels off the road. This has resulted in tire ruts alongside the drive.

# Record of Air Monitoring

## Incident One

Site Address 7504 Pleasant Run

Date 4-11-11 Time 09:00

Inspector McKeown

Air Monitoring Location:

From well head.

Reading North: **0.0**

Reading South: **0.0**

Reading East: **10 to 15 PPM at the mixing tanks mud shakers**

West: **0.0**

Any other comments

PID meter picked up ten to fifteen PPM around mud pits where the drilling mud goes into the shakers and into the reclamation pit to be disposed of. Chris Palidor was on site and notified. He is in the process of looking into the possible cause.

# Record of Air Monitoring

## Incident Two

Site Address 7504 Pleasant Run

Date 4-12-11 Time 15:00

Inspector McKeown

Air Monitoring Location:

From well head.

North: **0.0**

South: **0.0**

East: **5 to 10 PPM around mud tanks**

West: **0.0**

Any other comments

# Record of Air Monitoring

## Incident Three

Site Address 7504 Pleasant Run

Date 4-13-11 Time 10:00

Inspector McKeown

Air Monitoring Location:

From well head.

North: **0.0**

South: **0.0**

East: **1 to 2 PPM around east side derrick floor**

West: **0.0**

Any other comments

**Titan TCC Site - 7504 Pleasant Run Road - Monthly Inspections and Incident Summary  
Phase One Drilling Permit - 2011**

	March	April	May	June	July	August
<b># OF INSPECTIONS</b>						
<i>Belcheff</i>	32	21				
<i>City</i>	30	20				
<i>VOC Air Quality Inspections</i>	30	17				
<i>VOC Air Quality Issues/Problems</i>	0	3				
<i>Other Air Quality Issues/Problems</i>	0	0				
<i>Average PID VOC Measurement on Pad Site*</i>	0.00	1.6**				
<i>* measured in parts per million</i>						
<b>INCIDENTS</b>						
<i>Police Dispatches</i>	4	0				
<i>Noise Complaints</i>	40	4				
<i>Fire Dispatches</i>	0	0				
<i>Lighting Complaints</i>	1	0				
<i>Traffic Complaints</i>	3	3				
<i>Other Complaints</i>	1	0				
<i>Trespassing</i>	3	3				
<i>Documented Liquid Spills*</i>	3	0				
<i>Road Damage</i>	1	0				
<i>* all spills were contained and cleaned</i>						
<b>VIOLATIONS</b>						
<i>Noise</i>	1	0				
<i>Traffic/Truck Route</i>	3	7				
<i>State/Federal</i>	0	0				
<i>Other</i>	0	0				

**\*\* The VOC readings were observed on three separate dates. All VOC readings were observed on the drilling platform. No other readings were detected either on or off of the pad site. The peak reading was 15 ppm and the lowest reading was 2 ppm. It was determined that the source of the VOC's was the drilling mud.**