



# System/Audit/Assessment Details



Generated on Monday, 17 August 2009

## Audit/Assessment Details

**Ref No:** AUD-1037

**Date:** 18 Jun 2009

**Type:** Rig Inspection

**Category:** Rig Inspection

**Program:** Inspection/Testing Program

**Assessor:** Jreige, Raymond

**Assessment:**

**Location:** Clunes

**External Audit:**

**External Assessor:**

**Section/Area:** Rig 13

**Division:** Titeline Drilling

**Function:** Drilling Activities - General

**Task:**

**Completed Date:** 18 Jun 09

**Next Audit:**

## Result Details

**Report:**

**Answering Employee:** Jreige, Raymond

**Comments**

**Rating:** N/A

No	Question Title	Answer Value	Answer Note
1	Rig number	13	UDR 200D Track mounted
2	Date	18/6/09	
3	Driller name	Denis Flower	
4	Offsiders names	Jess Blizzard and Mark McIntosh	
5	Client Name	GEOGEN	
6	Rig location	Lordclyde rd Clunes	
7	The following PPE is worn by crews	Boots Hard hats Gloves Glasses Hi-Vis Hearing Protection	
8	Dust masks available and worn when required	Yes	N/A
9	Are all loose objects or items (I.e. bootlaces, jewellery, hair etc) are contained?	Yes	
20	Precautions against sun protection available when required, I.e. clothing, shade brims, sunscreen etc	Yes	
30	Welding goggles/masks/gloves are available?	Yes	
40	Cold or wet weather clothing available as required?	Yes	
50	Fall Protection Harness available and in good condition?	Yes	The lanyard's latch mechanism was sticking. This was rectified during the audit.
55	Is the drill site set up according to rig type specifications? (Diamond, RC, CBM etc)	Yes	The rig was in the process of being setup on the site.
56	Are vehicles restricted to designated parking areas?	Yes	

60	Is the drill site free from:	Natural hazards Steep embankments Rock fall Trees Litter Trip/slip hazards Oil or fuel spills	The site was being setup on level ground in a paddock about 50m from the road.
70	Are consumables and equipment stacked neatly/tidily on site?	Yes	
80	Is the drillers and Offsiders work area/platform free of obstacles?	Yes	Not setup at time of audit.
100	Is there a waste collection process on site, i.e. bin or bags?	Yes	
110	Are the labels, gauges and warning signs on drillers console clean and legible?	No	PPE signs on the side of the Driller's control panel were slightly faded.
120	Is the rig deck clean and free from oil and grease or other objects?	Yes	
130	Is the fluid discharge/dust from the drill hole channelled away from the rig to an adequate sump &/or prevented from seeping?	No	Not setup at time of audit.
140	Are samples stored clear of the rig working area?	No	Not setup at time of audit.
150	Is the rig cyclone positioned downwind from the drill crew? (for trailer mounted cyclones only)	N/A	
160	Is the RC collar exhaust hose/pipe securely staked and directed downwind from crews and vehicles?	N/A	
170	Does the site layout allow clear escape options in case of an emergency?	Yes	
180	Does the rig equipment appear clean and tidy?	Yes	
181	Is the area under the rig lined with plastic and correctly banded?	N/A	
182	Are all facilities (Humpy, container, office etc) clean and tidy?	No	Equipment was in the process of being unloaded. A container of hand cleaner had spilt in transit in the humpy. Was being cleaned up during the audit. Ref 110 above.
190	Is all safety signage in place and legible?	Yes	
200	Are fire extinguishers	Correct type and size on all vehicles Clearly labelled Full	The extinguisher on the Hino is missing a tag. The truck was being returned to workshop where the extinguisher was to be replaced.
201	Is the Fire Suppression System working properly?	N/A	
209	Are all containers adequately closed and sealed and not leaking?	Yes	Hand cleaner had spilt in transit in the humpy but was being cleaned up during the audit.
210	Is petrol, diesel, oil, gas and other chemicals stored in a clearly marked and taped off area away from the drillrig?	Yes	
211	Are all chemical containers adequately labelled?	Yes	
212	Are spill kits available on site?	Yes	
230	Is there an adequate fire-break around the drill rig? (3m is the minimum requirement)	N/A	The site is in a paddock with short green grass all round.
240	Has dry grass or other flammable materials been cleared from around the drill rig?	Yes	
250	Are first aid kits adequately stocked, clean and easily accessible on rigs and vehicles?	Yes	
260	Have the first aid kits been audited in the past month?	Yes	

261	Is there a qualified First Aider on each shift?	Yes	
262	Is the First Aid information board up to date?	No	Information was being written on board durring audit.
263	Is an Eye Wash available on site?	No	
270	Are earth leakage devices (RCD) fitted to generators and tested?	Yes	
271	Does the rig have an electrical isolation switch?	Yes	
272	Do all crew members know where the electrical isolation switch is located?	Yes	
280	Are all electric leads/cables and tools in good condition?	Yes	
281	Are all electrical leads and equipment fitted with a current test Tag?	Yes	
290	Are all electrical leads/cables safely positioned (not a trip hazard) and protected from potential damage?	No	Cord was run through a hole with jagged edges in the bench in the humpy.
299	Is the site and equipment clear of overhead powerlines such that the powerlines do not pose a threat?	Yes	
300	Are rig night lights and electrical fittings waterproof, clean and adequate?	Yes	N/A. No night work being undertaken.
301	Are all lights in Light Tower functioning?	Yes	
310	Is the rig level and stable?	Yes	
320	Are the rig jack legs on a suitable foundation?	Yes	
330	If jack legs can be locked in position, have they been secured?	Yes	
340	Does the rig mast appear to be structurally sound and not twisted ot bent?	No	Brackets in centre of mast are to be bent out of the way before drilling begins.
350	Is the mast adequately supported?	Yes	
370	Are the mast pivot points and locking pins in good condition and secured?	Yes	
380	Are bolts secured and not missing (General visual inspction)	Yes	
390	Are ladders, platforms and walkways adequate and in good condition?	Yes	Work plaforms were not set up at time of audit.
391	Are rails in place where required and at 0.9m high?	Yes	
392	Is access to all vehicles and vehicle trays appropriate and safe?	Yes	
400	Are belts, pulleys and other moving parts adequately quarded?	Yes	
410	Are machine guards safe and secure and not a potential hazard (broken, jagged edges, etc)?	Yes	
420	Are manifolds, exhaust pipes, turbo-chargers and mufflers in good condition and adequately quarded or heat shielded?	Yes	
430	Is a pressure relief valve fitted to the air compressor or water iniecton pump?	Yes	
440	If compressor PRV is shear-pin type, is the shear pin compromised?	No	
450	Are all high pressure air, water and hydraulic lines rated?	Yes	
460	Are all double braided hoses free from cuts tears or other visible damage?	Yes	
470	Are all hoses prevented from rubbing on sharp edges?	Yes	
480	Are all hose connections in good condition?	Yes	
490	Are high pressure hoses fitted with Whip Socks and secured to 2 anchor points on the body of the rig?	N/A	

500	Are oxygen and acetylene cylinders firmly secured in an upright position?	Yes	
510	Are oxy/acetylene hoses fitted with flashback arrestors on both ends of each hose?	Yes	
520	Are oxy/acetylene hoses in good condition?	Yes	
530	Are Stillsons and rig tongs in good condition and not damaged or worn?	Yes	
531	Is there a tool rack or tool box for frequently used tools?	Yes	
540	Are hand tools in good condition with secure handles?	Yes	
541	Are damaged tools tagged and ready for repairs?	Yes	N/A
542	Do all power tools that require guarding have guarding and are they in good condition?	N/A	
550	Are RC spanners in good condition?	N/A	
560	Are both 4 1/2" and 5" spanners available and being used?	N/A	
565	Is the rig and associated equipment fitted with clearly labelled red emergency stop buttons?	Yes	
566	Does the booster compressor have an emergency stop button?	N/A	
567	Do all emergency stop buttons work?	Yes	
581	Do all pressure vessels associated with drill site have a current Pressure Equipment registration tag?	N/A	
582	Are the compressor Pre-Starts completed daily?	N/A	
583	Are all pressure valves and gauges in good condition?	Yes	
600	Are all pulldown/pullback chains/cables in good condition?	Yes	
601	Is the Hook and Clamshell in good condition?	N/A	
602	Is the rod handler in good condition and without visible damage?	N/A	
603	Have all operators been instructed in the correct use of the Rod Handler?	N/A	
610	Are hoisting cables, wirelines and slings free from knots, kinks, frays and broken wires?	Yes	
620	Are wireline splice or cable clamps correctly fitted?	Yes	
630	Is all lifting gear (i.e. chains, swivels, shackles, wire ropes, slings etc) tagged or stamped with safe working load and adequate capacity to do the	Yes	
640	Have all sheaves and winch drums been checked for excessive wear, visible damage, cracks etc?	Yes	
641	Is Hoist Plug thread in good condition?	Yes	Water swivel in use.
642	Are Power Tongs in good condition?	N/A	
643	Are Super Savers in good condition?	N/A	
650	Are drill rods/casings handled in such a way as to prevent injury? (i.e. overuse, manual handling)	Yes	Not in use during audit.
660	Are drill rods/casings stored securely?	Yes	Not in use during audit.
661	Is rod rack stable, adequate for task and stable?	Yes	Not in use during audit.
670	Is the rig free from any visible equipment damage?	Yes	
680	Are fuel and oil filters easily accessible?	Yes	

690	Are batteries and cables in good condition and secured, i.e. in a battery box with clamps?	Yes	
691	If a battery isolation switch is in place, is it functional?	N/A	
700	Have all crews been inducted in site safety and environmental requirements before commencing work?	Yes	
710	Are the site emergency procedures documented, available and understood	Yes	
711	Is the emergency noticeboard up to date?	No	Was being completed during the audit.
712	Has a rig evacuation rehearsal been conducted at this site?	No	
720	Is there a support vehicle that is available at all times in case of emergencies?	Yes	
730	Are accident/incident reporting procedures understood by all crew members?	Yes	
740	Do crew members have sufficient breaks?	Yes	
741	Is fresh drinking water readily available to rig crews?	Yes	
750	Are new offsiders given close supervision and 1 month safety assessment?	Yes	
770	What training have crew members received since the last safety inspection?	Nil	
780	Does the rig have adequate communication systems for emergencies?	Mobile	
790	Are all crew members familiar with the communications systems?	Yes	
800	Do all crew members know how to stop rotation, shut down rig, compressor etc in the event of an emergency?	Yes	
809	Have crews attended a client induction recently?	Yes	
810	What training have crew members received in past 2 months?	Other	First aid and 4WD defensive driving.
811	Are all crew members aware of the following Fitness For Work issues	Drugs and Alcohol Fatigue Reporting personal issues Bullying & Harassment	
820	Have the operating noise levels of the rig been measured?	No	
830	Is the following information available on site?	MSDS folder SOP folder	Manufacturer's manual available at Ballarat Office.
831	Are regular Tool Box Talks held through TBM book.	Yes	
832	Is the rig equipment registration folder available on the site? (Fire extinguishers, gas, etc)	N/A	
840	Are all crew members aware of the location of the fire extinguishers?	Yes	
850	Have all crew members been instructed in the correct use of the fire extinguishers?	Yes	
859	Have the Pre-Start books been completed for the shift?	Yes	
860	When was the rigs last major overhaul (Discuss with driller, review drill log book)?	In the last month.	
870	Is the rig serviced regularly (Discuss with driller and review log book)?	Yes	
880	Are all access roads and tracks to the site of adequate size and in suitable condition?	Yes	
890	Do other road conditions impact on accessibility to the site, including:		
891	Have any non-conformances been observed during Rig Inspection?	Yes	

892	If YES above list non-conformances observed.	
893	Have any JSA's been conducted in last month?	No
900	Other site related issues?	
910	Assessors name	Raymond Jreige

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