



## K29a Well Operations Summary Report

### Daily Operations

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|---------------|---|
| Report Number | Operations Summary  |
| 1.0           | Steam and remove wellhead, rig up Lonkar, pressure test BOPs.   |
| Report Number | Operations Summary  |
| 1.0           | HSE report. No incidents or accidents reported. Conducted Paramount 2013 orientations with necessary personnel at Liard staging area. Reviewed Paramount Safe Work Permit # 22426 with All personnel. Discussed Barge loading, emergency response, road conditions, loading/ unloading procedure, use of spotters etc. Moved with barge to opposite side of river several pieces of equipment. 3hrs total barge time was available for use before nightfall.  |
| Report Number | Operations Summary  |
| 2.0           | Run 96mm guage ring/junk basket to 2256mKB, pull out of hole. Make up and run in hole with Weatherford DB-10 bridge plug, log in to position and set with center element at 2250mKB. Rig in P-tank, vent well to zero.  |
| Report Number | Operations Summary  |
| 2.0           | HSE Report. No incidents or accidents reported. Spotted equipment on location. Rigged in 2 wellsites and combo unit. Rigged in satelite communication system. Rigged in pump & tank. Removed well head temporarily to inspect tubing hanger threads. Assembled 5k x 11" BoP stack on test stump.  |
| Report Number | Operations Summary  |
| 3.0           |   |
| Report Number | Operations Summary  |
| 3.0           | HSE Report. No incidents or accidents reported. Continued to move and spot equipment on location. Able to use barge for 3.5 hrs today transferring 5 loads of equipment accross river. Moved accross river Service rig, dog house, catwalk, water for shacks, fuel, P- tank, rental equipment etc.  |
| Report Number | Operations Summary  |
| 4.0           | HSE report. No incidents or accidents reported. Review and sign off on with personnel Paramount drug and alcohol policy. Moved in and spotted equipment from Paramount landing at KM 0. Moved in and spotted on mats Savanna service rig. Rigged in doghouse and rental class III accumulator. Stump tested BoP to a low 2.1 MPa & high of 35 MPa on all components. Removed well head and installed BoP. Tested ring seal/ blind rams against upper BP @ 57 mKB to 21 MPa. Good test.  |
| Report Number | Operations Summary  |
| 5.0           | HSE report. No incidents or accidents reported. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to rigging up freestanding service rig. Raised service rig and centered over hole. Installed 5k Precision snubbing unit on BoP. Pressure tested snubbing unit pipe rams to 25 MPa/ annular element to 21 MPa as per requirements. Good test. Moved in and unloaded 150 jts 60.3mm SLH-90 drill pipe. Set up tanks and hauled in 40m3 fresh water.                          |
| Report Number | Operations Summary  |
| 6.0           | HSE reports no incidents or accidents reported. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to drilling out surface plug. Pressure tested all surface equipment to 25 MPa. Good. Ran mud motor BHA as listed tagging 10 k surface BP @ ~ 63 mKB. Drilled out plug in 60 minutes. No pressure encountered below the plug. Ran a total of 67 jts tubing displacing fluid to rig tank. Shut down and await availability of barge.   |
| Report Number | Operations Summary  |
| 7.0           | HSE reports incidents/accidents reported. Water truck rolled over onto it's side while hauling in a load of fresh water to location. All appropriate calls and measures were executed. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to loading barge with remaining equipment, spotting equipment and running in hole with remaining drill string.  |
| Report Number | Operations Summary  |
| 8.0           | HSE reports no incidents or accidents reported. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to running tubing to bottom and circulating.   |
| Report Number | Operations Summary  |
| 9.0           | HSE reports no incidents or accidents reported. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to pulling drill pipe, rigging off snubbing unit, rigging in wireline and explosives.  |
| Report Number | Operations Summary  |
| 10.0          | HSE reports no incidents or accidents reported. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to wireline and explosives. Continued to monitor shut in well pressures. Ran 96.5mm gauge ring to 2515 mKB. Ran and set 10 k permanent BP @ ~ 2513 mKB. Filled hole (6.5m3) and pressure tested Bp to 14 MPa. Good test. Pressure tested 114mm pipe rams to 14 MPa as well. Installed tubing spear, hoisted hanger, surfaced, pulled 114.3mm Hydril 563 tubing onto racks. |
| Report Number | Operations Summary  |
| 11.0          | HSE reports no incidents or accidents reported. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to pulling tubing, wireline and explosives. Pulled all remaining Hydril tubing and seal assembly. Ran 146mm gauge ring to 2515 mKB. Set 10 k 177.8mm permanent Bridge Plug @ 2510 mKB. Pressure test Bp to 14 MPa. Good test.  |
| Report Number | Operations Summary  |
| 12.0          | HSE reports no incidents or accidents reported. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to wireline, explosives, pressure testing, removing bop, installing wellhead and rigging out equipment. Lay over rig and rig down Savanna 18 complete. Remove 279mm rental class III BoP and install 5K well head. Use picker & bed truck to transfer equipment of location to barge staging area.   |
| Report Number | Operations Summary  |
| 13.0          | HSE reports no incidents or accidents reported. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to moving equipment to barge landing in preparation to load up and move across river. Repaired 3K-29 surface casing vent tube as noted in NEB inspection. Rigged out and released all remaining rig and test equipment. Transported across river via barge. Continued to shuttle equipment down hill to barge staging area.  |
| Report Number | Operations Summary  |
| 14.0          | HSE Report. No incidents or accidents to report. Reviewed ERP/ contractor JSA's for this location. Rigged out well sites and enviro combination unit. Loaded and transferred several pieces of rental equipment 28 km to barge landing lay down area.   |





**Paramount**  
resources ltd.

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| Report Number | Operations Summary   |
| 15.0          | HSE Report. No incidents or accidents to report. Reviewed hazard assessment and ERP for this location. Cleaned and secured K-29 lease then turned over to construction. Utilized barge in evening for 4 hrs to transport fluid haulers and rental equipment to east side of river. |
| Report Number | Operations Summary   |
| 16.0          | HSE Report. No incidents or accidents reported. Reviewed Safe Work Permit and contractor JSA's for operations. Loaded and hauled all remaining equipment across river via barge.   |