

APPENDIX A

Passport of quality of crude oil GOST R 51858-2002

From oil-field ZP-CH

Drill MBSNU

Sample of crude oil Date of analyses 28.Jan.2011. GOST R 51858-2002 Test results (fact)

Quality Characteristics & unit of measuring

1. Density at 20 °C, Kg/M³ 830-850 839

Distillation

Point of beginning 0 C 36

2. 10% 100

3. 15% 120

4. 21% 150

5. 23% 160

6. 26% 180

7. 31% max 30% 200

8. 34% 220

9. 38% 240

10. 42% 260

11. 45% 280

12. 56% max 52% 300

13. 60% 320

14. 65% 360

15. Steam saturated pressure 66,7 43,9

16. Sulphur content, mass up to 1,8 0,98

17. Water content, mass % up to 1 0,7

18. Sediment by extraction, mass 0,05 0,005

19. Chloride salt content, Mg/DM³ up to 100 70

20. Paraffin content, mass % up to 3,8% up to 1,98%

21. Pour point, 0 C max-13 low -28