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| ВЕДОМОСТЬна смонтированное противовыбросовое оборудованиена скважине №\_\_\_\_\_\_ площади\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_«\_\_\_\_» \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 20\_\_ г.1. **Сведения о превенторах**

|  |  |  |
| --- | --- | --- |
| № | Наименование | Превентор |
| нижний | средний | верхний | ПУГ |
| 1 | Тип, шифр |  |  |  |  |
| 2 | Заводской № |  |  |  |  |
| 3 | Инвентарный № |  |  |  |  |
| 4 | Дата выпуска |  |  |  |  |
| 5 | Размер плашек, мм |  |  |  |  |
| 6 | Диаметр окружности по центрам отверстий, мм |  |  |  |  |
| 7 | Количество отверстий, шт |  |  |  |  |
| 8 | Диаметр отверстий, мм |  |  |  |  |
| 9 | Давление опрессовки до установки, МПа |  |  |  |  |
| 10 | Давление опрессовки ПВО с обсадной колонной после монтажа, МПа |  |  |  |  |
| 11 | Давление начало поглощения, МПа |  |  |  |  |

1. **Управление превенторами**
2. Тип управления \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Шифр дистанционного управления\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Марка масла в гидросистеме \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Длина тяг штурвалов, м \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Направление вращения штурвалов для закрытия\_\_\_\_\_\_\_\_\_\_
	1. верхнего\_\_\_\_\_\_\_\_\_\_\_\_
	2. среднего\_\_\_\_\_\_\_\_\_\_\_\_
	3. нижнего\_\_\_\_\_\_\_\_\_\_\_\_
7. **Данные об устьевой обвязке**
	1. Труба, на которой установлена колонная головка:
8. наружный диаметр \_\_\_\_\_\_\_\_\_\_\_\_ мм;
9. толщина стенки \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ мм;
10. длина \_\_\_\_\_\_\_\_\_\_\_\_мм;
11. марка стали \_\_\_\_\_\_\_\_\_\_\_.
	1. Колонная головка (нижняя, промежуточная – подчеркнуть):
	2. шифр \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;
	3. дата выпуска \_\_\_\_\_\_\_\_\_\_\_\_\_;
	4. рабочее давление \_\_\_\_\_\_\_\_МПа;
	5. наружный диаметр фланца \_\_\_\_\_\_\_\_\_\_мм;
	6. диаметр окружности по центрам отверстий \_\_\_\_\_\_\_\_\_\_ мм;
	7. количество отверстий \_\_\_\_\_\_\_\_\_\_\_ шт;
	8. диаметр отверстий \_\_\_\_\_\_\_\_\_\_\_\_\_\_мм;
	9. средний диаметр канавки под уплотнительное кольцо \_\_\_\_\_\_\_\_\_\_мм;
	10. размер канавки: ширина \_\_\_\_\_\_мм; глубина \_\_\_\_\_\_\_\_\_\_мм;
	11. способ соединения с обсадной колонной \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
	12. Переходная катушка:
	13. наружный диаметр фланца \_\_\_\_\_\_\_\_\_\_мм;
	14. диаметр окружности по центрам отверстий \_\_\_\_\_\_\_\_\_\_ мм;
	15. количество отверстий \_\_\_\_\_\_\_\_\_\_\_ шт;
	16. диаметр отверстий \_\_\_\_\_\_\_\_\_\_\_\_\_\_мм;
	17. средний диаметр канавки под уплотнительное кольцо \_\_\_\_\_\_\_\_\_\_мм;
	18. размер канавки: ширина \_\_\_\_\_\_\_мм; глубина \_\_\_\_\_\_\_\_\_мм.
12. **Сведения о манифольде (обвязке)**
	1. Тип манифольда \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, давление опрессовки \_\_\_\_\_\_МПа.
	2. Задвижки:
* тип \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, количество \_\_\_\_\_\_\_\_шт;
* тип \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, количество \_\_\_\_\_\_\_\_шт;
* тип \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, количество \_\_\_\_\_\_\_\_шт.
	1. Аварийный выкид:
* вид соединения \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, внутренний диаметр \_\_\_\_\_\_\_\_мм, толщина стенок труб \_\_\_\_\_\_\_мм, марка труб \_\_\_\_\_\_\_\_, длина \_\_\_\_\_\_\_\_\_\_м;
* вид соединения \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, внутренний диаметр \_\_\_\_\_\_\_\_мм, толщина стенок труб \_\_\_\_\_\_\_мм, марка труб \_\_\_\_\_\_\_\_, длина \_\_\_\_\_\_\_\_\_\_м.
	1. Рабочий выкид:
* вид соединения \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, внутренний диаметр \_\_\_\_\_мм, толщина стенок труб\_\_\_\_\_\_мм, марка труб \_\_\_\_\_\_, длина \_\_\_\_\_\_\_\_м;
* вид соединения \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, внутренний диаметр \_\_\_\_\_\_мм, толщина стенок труб \_\_\_\_\_мм, марка труб \_\_\_\_\_\_, длина \_\_\_\_\_\_\_\_м.
	1. Фланцевые соединения:
1. наружный диаметр фланца \_\_\_\_\_\_\_\_\_\_мм;
2. диаметр окружности по центрам отверстий \_\_\_\_\_\_\_\_\_\_ мм;
3. количество отверстий \_\_\_\_\_\_\_\_\_\_\_ шт;
4. диаметр отверстий \_\_\_\_\_\_\_\_\_\_\_\_\_\_мм;
	1. Уплотнительные кольца:
5. диаметр \_\_\_\_\_\_\_\_\_\_мм;
6. ширина \_\_\_\_\_\_\_\_\_\_мм;
7. глубина \_\_\_\_\_\_\_\_\_\_мм.
	1. Внутреннее проходное отверстие:
	* тройника \_\_\_\_\_\_\_\_\_мм;
	* крестовины \_\_\_\_\_\_\_мм;
	* катушки \_\_\_\_\_\_\_\_\_\_мм.
	1. Быстросъемное соединение к агрегату:
8. количество \_\_\_\_\_\_\_шт;
9. рабочее давление \_\_\_\_\_\_\_\_МПа.
	1. Манометры:
10. количество \_\_\_\_\_\_\_шт;
11. рабочее давление \_\_\_\_\_\_\_\_МПа.
	1. Тип регулируемого дросселя \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
 | REGISTER Of BOP equipment installed on well No \_\_\_\_\_\_\_\_ area \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 20\_\_**1. Preventor**

|  |  |  |
| --- | --- | --- |
| No | Description  | Preventor  |
| Lower  | Middle  | Upper  | annular |
| 1 | Type, code |  |  |  |  |
| 2 | Manufacturer's No |  |  |  |  |
| 3 | Inventory No |  |  |  |  |
| 4 | Date of manufacture |  |  |  |  |
| 5 | Rams sizes, mm |  |  |  |  |
| 6 | Hole-circle diameter, mm |  |  |  |  |
| 7 | Number of holes, pcs |  |  |  |  |
| 8 | Holes diameter, mm |  |  |  |  |
| 9 | Leakage test pressure before installation, MPa |  |  |  |  |
| 10 | BOP leakage test pressure with casing after installation, MPa |  |  |  |  |
| 11 | Fracture pressure, МPа |  |  |  |  |

**2. BOP control** * 1. Type за control \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. Remote control code \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. Oil grade in hydraulic system \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	4. Control rod length, m \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	5. Rotating direction of control rod \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		1. upper \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		2. middle \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		3. lower \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3. Wellhead connections**3.1 Casing head is installed on pipe: a. external diameter \_\_\_\_\_\_\_\_\_\_\_\_\_ mm; b. wall thickness \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm; c. length \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm d. steel grade \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.3.2 Casing head (lower, middle – underline as required): a. code \_\_\_\_\_\_\_\_\_\_\_\_\_\_; b. date of manufacture \_\_\_\_\_\_\_\_\_\_\_\_\_; c. working pressure \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MPa; d. external diameter of flange \_\_\_\_\_\_\_\_\_\_ mm; e. hole-circle diameter \_\_\_\_\_\_\_\_\_\_\_\_\_ mm f. number of holes \_\_\_\_\_\_\_\_\_\_\_\_ mm: g. holes diameter \_\_\_\_\_\_\_\_\_\_\_\_\_ mm; h. o-ring groove average diameter \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm; i. groove size: width \_\_\_\_\_\_\_\_ mm; depth \_\_\_\_\_\_\_\_\_ mm; j. method of connection with casing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_3.3. Adapter flange: a. external flange diameter \_\_\_\_\_\_\_\_\_\_\_ mm; b. hole-circle diameter \_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm; c. number of holes \_\_\_\_\_\_\_\_\_\_ pcs; d. holes diameter \_\_\_\_\_\_\_\_\_\_\_\_ mm; e. o-ring groove average diameter \_\_\_\_\_\_\_\_\_\_\_ mm; f. groove size: width \_\_\_\_\_\_\_\_ mm; depth \_\_\_\_\_\_\_\_ mm.**4. Manifold** 4.1. Type \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, leak-off test pressure \_\_\_\_\_\_\_ MPa.* 1. Valves:
* Type \_\_\_\_\_\_\_\_\_\_\_, quantity \_\_\_\_\_\_\_\_\_\_\_ pcs;
* Type \_\_\_\_\_\_\_\_\_\_\_, quantity \_\_\_\_\_\_\_\_\_\_\_ pcs;
* Type \_\_\_\_\_\_\_\_\_\_\_, quantity \_\_\_\_\_\_\_\_\_\_\_ pcs.
	1. Emergency flow line:
* Connection type \_\_\_\_\_\_\_ mm; inner diameter \_\_\_\_\_\_\_ mm; wall thickness of pipe \_\_\_\_\_ mm, pipe grade \_\_\_\_\_\_\_\_\_, length \_\_\_\_\_\_\_\_\_\_ m;
* Connection type \_\_\_\_\_\_\_ mm; inner diameter \_\_\_\_\_\_\_ mm; wall thickness of pipe \_\_\_\_\_ mm, pipe grade \_\_\_\_\_\_\_\_\_, length \_\_\_\_\_\_\_\_\_\_ m.
	1. Working flow line:
* Connection type \_\_\_\_\_\_\_ mm; inner diameter \_\_\_\_\_\_\_ mm; wall thickness of pipe \_\_\_\_\_ mm, pipe grade \_\_\_\_\_\_\_\_\_, length \_\_\_\_\_\_\_\_\_\_ m;
* Connection type \_\_\_\_\_\_\_ mm; inner diameter \_\_\_\_\_\_\_ mm; wall thickness of pipe \_\_\_\_\_ mm, pipe grade \_\_\_\_\_\_\_\_\_, length \_\_\_\_\_\_\_\_\_\_ m.
	1. Flange connections:

a. external flange diameter \_\_\_\_\_\_\_\_\_ mm;b. hole-circle diameter \_\_\_\_\_\_\_\_\_\_\_\_ mm;c. number of holes \_\_\_\_\_\_\_\_\_\_\_;d. holes diameter \_\_\_\_\_\_\_\_\_\_\_\_ mm;4.6. O-rings: a. diameter \_\_\_\_\_\_\_\_ mm; b. width \_\_\_\_\_\_\_\_\_\_ mm; c. depth \_\_\_\_\_\_\_\_\_\_\_ mm.4.7. Inner bore hole:* Tee-bend \_\_\_\_\_\_\_\_ mm;
* Cross connection\_\_\_\_\_\_\_\_\_\_\_\_ mm;
* Spool \_\_\_\_\_\_\_\_\_\_\_\_\_ mm.
	1. Fast make-up connections:

a. quantity \_\_\_\_\_\_\_\_\_ pcs;b. working pressure \_\_\_\_\_\_\_\_\_\_ MPa.4.9. Manometers: a. quantity \_\_\_\_\_\_\_\_ pcs; b. working pressure \_\_\_\_\_\_\_\_\_\_ MPa.4.10. Adjustable choke type \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |

Супервайзер по бурению / Drilling supervisor\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Промысловый геолог / Field geologist \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Буровой мастер / Drilling foreman \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_