

SUBPART D - OIL AND GAS DRILLING OPERATIONS

Updated July 28, 2016

PERMITS

- D-500** DOES THE LESSEE HAVE WRITTEN APPROVAL BEFORE DRILLING, SIDETRACKING, BYPASSING, OR DEEPENING OPERATIONS BEGIN ON A WELL?
Authority: 30 CFR 250.410 Enforcement Actions: S
- D-504** DOES THE LESSEE HAVE WRITTEN OR ORAL APPROVAL TO REVISE A DRILLING PLAN, MAKE CHANGES IN MAJOR DRILLING EQUIPMENT, OR PLUG BACK A WELL?
Authority: 30 CFR 250.465(a)(1) Enforcement Actions: S

DIVERTER REQUIREMENTS

- D-508** BEFORE DRILLING A CONDUCTOR OR SURFACE HOLE, IS THE DRILLING UNIT EQUIPPED WITH A DIVERTER SYSTEM CONSISTING OF A DIVERTER SEALING ELEMENT, DIVERTER LINES, AND CONTROL SYSTEMS?
Authority: 30 CFR 250.430 Enforcement Actions: S
- D-512** IS THE SPOOL OUTLET AND DIVERTER LINE NOMINAL DIAMETER AT LEAST 10 INCHES FOR SURFACE WELLHEAD CONFIGURATIONS AND AT LEAST 12 INCHES FOR FLOATING DRILLING OPERATIONS?
Authority: 30 CFR 250.431(a) Enforcement Actions: S
- D-516** ARE BOTH OUTLETS PIPED TO PROVIDE DOWNWIND DIVERSION CAPABILITY, IF DUAL SPOOL OUTLETS ARE UTILIZED?
Authority: 30 CFR 250.431(b) Enforcement Actions: S
- D-520** IS THE DIVERTER SYSTEM EQUIPPED WITH FULL OPENING REMOTE CONTROLLED VALVES IN THE FLOW AND VENT LINES THAT CAN BE OPERATED FROM AT LEAST ONE REMOTE CONTROL STATION AWAY FROM THE DRILL FLOOR IN ADDITION TO THE ONE ON THE DRILL FLOOR?
Authority: 30 CFR 250.431(c)
30 CFR 250.431(d) Enforcement Actions: S
- D-524** ARE ALL RIGHT ANGLE AND SHARP TURNS IN THE DIVERTER LINES TARGETED?
Authority: 30 CFR 250.431(e) Enforcement Actions: S
- D-528** IS THE ENTIRE DIVERTER SYSTEM ANCHORED AND SUPPORTED TO PREVENT WHIPPING AND VIBRATION AND IS ALL DIVERTER CONTROL INSTRUMENTS AND LINES PROTECTED FROM PHYSICAL DAMAGE FROM THROWN OR FALLING OBJECTS?
Authority: 30 CFR 250.431(f)
30 CFR 250.431(g) Enforcement Actions: S

- D-532** IF FLEXIBLE HOSE IS USED FOR DIVERTER LINES, DOES IT HAVE INTEGRAL END COUPLINGS?
Authority: 30 CFR 250.432(a) **Enforcement Actions:** S
- D-536** ARE BRANCH LINES INSTALLED TO PROVIDE DOWNWIND DIVERSION CAPABILITY, IF THE DIVERTER SYSTEM UTILIZES ONLY ONE SPOOL OUTLET?
Authority: 30 CFR 250.432(b)(1)
30 CFR 250.432(b)(2) **Enforcement Actions:** S
- D-540** IF A SINGLE DIVERTER LINE IS IN USE ON A DYNAMICALLY POSITIONED FLOATING DRILLING RIG, IS THE VESSEL'S HEADING MAINTAINED TO ALLOW FOR DOWNWIND DIVERSION?
Authority: 30 CFR 250.432(d) **Enforcement Actions:** S
- D-544** ARE THE DIVERTER SEALING ELEMENT, DIVERTER VALVES, AND DIVERTER CONTROL SYSTEMS, INCLUDING THE REMOTE CONTROL SYSTEM, ACTUATION TESTED AND THE VENT LINES FLOW TESTED WHEN INSTALLED?
Authority: 30 CFR 250.433 **Enforcement Actions:** W
- D-548** ARE DIVERTER SEALING ELEMENTS AND DIVERTER VALVES PRESSURE TESTED TO A MINIMUM OF 200 PSI WHEN NIPPLED UP ON CONDUCTOR CASING, WITH NO MORE THAN 7 DAYS ELAPSED TIME BETWEEN SUBSEQUENT TESTS?
Authority: 30 CFR 250.433(a) **Enforcement Actions:** W/S
- D-552** ARE ACTUATION TESTS OF THE DIVERTER SEALING ELEMENT, DIVERTER VALVES, AND DIVERTER CONTROL SYSTEMS, INCLUDING THE REMOTE CONTROL SYSTEM, CONDUCTED AT LEAST ONCE EVERY 24 HOURS FOR A SURFACE STACK OR ONCE EVERY 7 DAYS FOR A SUBSEA STACK; AND ARE THESE TEST BEING ALTERNATED BETWEEN CONTROL STATIONS?
Authority: 30 CFR 250.433(a)
30 CFR 250.433(b)
30 CFR 250.433(c) **Enforcement Actions:** W
- D-556** ARE THE TIMES, DATES, AND RESULTS OF ALL DIVERTER PRESSURE TESTS, FLOW TESTS, AND ACTUATIONS RECORDED IN THE DRILLER'S REPORT AND IS EACH DIVERTER PRESSURE TEST RECORDED ON A PRESSURE CHART?
Authority: 30 CFR 250.433
30 CFR 250.434 **Enforcement Actions:** W/S
- D-560** HAS THE ONSITE REPRESENTATIVE CERTIFIED (SIGNED AND DATED) THE DIVERTER PRESSURE CHART AS CORRECT?
Authority: 30 CFR 250.434(b) **Enforcement Actions:** W
- D-564** IS THE CONTROL STATION USED DURING THE DIVERTER PRESSURE TEST OR ACTUATION IDENTIFIED?
Authority: 30 CFR 250.434(c) **Enforcement Actions:** W
- D-568** ARE PROBLEMS OR IRREGULARITIES OBSERVED DURING DIVERTER TESTING OR ACTUATION, AND THE REMEDIES TO CORRECT PROBLEMS, RECORDED IN THE DRILLER'S REPORT?
Authority: 30 CFR 250.434(d) **Enforcement Actions:** W

D-572

ARE PRESSURE CHARTS AND REPORTS PERTAINING TO THE DIVERTER TESTS AND ACTUATIONS RETAINED AT THE RIG FOR THE DURATION OF DRILLING THE WELL?

Authority: 30 CFR 250.434(e)

Enforcement Actions: W

D-576

IF THE DIVERTER OR BOP IS NIPPLED DOWN DURING THE 8 OR 12 HOUR WAITING PERIOD FOR CEMENTING, HAS IT BEEN DETERMINED SAFE TO DO SO BEFORE NIPPLING DOWN?

Authority: 30 CFR 250.422(b)

Enforcement Actions: W

FLUID REQUIREMENTS

- D-660** HAS DRILLING FLUID BEEN PROPERLY CONDITIONED, BY CIRCULATION, BEFORE STARTING OUT OF THE HOLE WITH DRILL PIPE OR IS THERE PROPER DOCUMENTATION IN THE DRILLER'S REPORT THAT SHOWS CIRCULATION WAS NOT NECESSARY?
Authority: 30 CFR 250.456(a) Enforcement Actions: W
- D-664** WHEN COMING OUT OF THE HOLE WITH DRILL PIPE, IS THE ANNULUS FILLED WITH DRILLING FLUID BEFORE THE CHANGE IN DRILLING FLUID DECREASES THE HYDROSTATIC PRESSURE BY 75 PSI, OR EVERY FIVE STANDS OF DRILL PIPE, WHICHEVER GIVES A LOWER DECREASE IN HYDROSTATIC PRESSURE; AND HAS THE NUMBER OF STANDS OF DRILL PIPE AND DRILL COLLARS THAT MAY BE PULLED PRIOR TO FILLING THE HOLE AND THE EQUIVALENT DRILLING FLUID VOLUME NEEDED TO FILL THE HOLE BEEN CALCULATED AND POSTED NEAR THE DRILLER'S STATION?
Authority: 30 CFR 250.456(c) Enforcement Actions: W
- D-667** IN AREAS WHERE PERMAFROST AND/OR HYDRATE ZONES MAY BE PRESENT, OR ARE KNOWN TO BE PRESENT, ARE DRILLING FLUID TEMPERATURES CONTROLLED?
Authority: 30 CFR 250.456(j) Enforcement Actions: W
- D-670** IS THE TEST FLUID IN THE HOLE CIRCULATED, REVERSE-CIRCULATED, OR HAS AN APPROPRIATE KILL WEIGHT FLUID BEEN BULLHEADED OUT OF THE DRILL STEM TEST TOOLS PRIOR TO PULLING THEM FROM THE HOLE; AND HAS IT BEEN RECORDED IN THE DRILLER'S REPORT?
Authority: 30 CFR 250.456(b)
30 CFR 250.456(h) Enforcement Actions: W
- D-674** IS DRILLING FLUID TESTED IN ACCORDANCE WITH INDUSTRY ACCEPTED PRACTICES AND ARE DRILLING FLUID TESTS PERFORMED ONCE EACH TOUR, OR MORE FREQUENTLY IF CONDITIONS WARRANT; AND ARE THE RESULTS RECORDED IN THE DRILLER'S REPORT?
Authority: 30 CFR 250.456(i) Enforcement Actions: W/S
- D-678** ARE MINIMUM QUANTITIES OF DRILLING FLUID AND DRILLING FLUID MATERIALS, INCLUDING WEIGHT MATERIALS, MAINTAINED AT THE DRILL SITE AS NECESSARY TO ENSURE WELL CONTROL; AND IF NOT, ARE DRILLING OPERATIONS SUSPENDED?
Authority: 30 CFR 250.418(b)
30 CFR 250.458(a)
30 CFR 250.458(c) Enforcement Actions: W/S
- D-682** ARE RECORDS OF DAILY INVENTORIES OF DRILLING FLUID AND DRILLING FLUID MATERIALS MAINTAINED AT THE WELL SITE?
Authority: 30 CFR 250.458(b) Enforcement Actions: W

SAFETY DEVICES AND EQUIPMENT

- D-698** IS AN OPERABLE CROWN BLOCK SAFETY DEVICE INSTALLED TO PREVENT THE TRAVELING BLOCK FROM STRIKING THE CROWN BLOCK; AND HAS THE SAFETY DEVICE BEEN CHECKED FOR PROPER OPERATION AT LEAST ONCE A WEEK, AFTER EACH DRILL LINE SLIPPING OPERATION, AND ARE THE RESULTS RECORDED IN THE DRILLER'S REPORT?
Authority: 30 CFR 250.404 Enforcement Actions: S
- D-702** IS AN OPERATIONAL DRILLING FLUID-PIT LEVEL INDICATOR, WITH BOTH AUDIBLE AND VISUAL WARNINGS, INSTALLED AND IN USE ON THE RIG FLOOR WHILE DRILLING OPERATIONS ARE BEING CONDUCTED?
Authority: 30 CFR 250.457(a) Enforcement Actions: S
- D-706** IS A MECHANICAL, VOLUMETRIC, OR ELECTRONIC DEVICE UTILIZED TO DETERMINE THE AMOUNT OF DRILLING FLUID REQUIRED TO FILL THE HOLE?
Authority: 30 CFR 250.457(b) Enforcement Actions: S
- D-710** ARE DRILLING FLUID RETURN INDICATOR DEVICES, WHICH INDICATE THE RELATIONSHIP BETWEEN DRILLING FLUID RETURN FLOW RATE AND PUMP DISCHARGE RATE, INSTALLED WITH VISUAL AND AUDIBLE WARNING ALARMS?
Authority: 30 CFR 250.457(c) Enforcement Actions: S
- D-714** ARE ALL CLASSIFIED DRILLING FLUID-HANDLING AREAS EQUIPPED WITH HIGH-CAPACITY MECHANICAL VENTILATION SYSTEMS, UNLESS SUCH VENTILATION IS PROVIDED BY NATURAL MEANS?
Authority: 30 CFR 250.459(a)(1) Enforcement Actions: S
- D-721** IF NOT CONTINUOUSLY ACTIVATED, ARE MECHANICAL VENTILATION SYSTEMS ACTIVATED UPON RECEIVING A SIGNAL FROM THE GAS DETECTORS, WHICH SHALL BE OPERATIONAL AT ALL TIMES, WHEN THE PRESENCE OF 1 PERCENT OR MORE OF COMBUSTIBLE GAS BY VOLUME IS INDICATED?
Authority: 30 CFR 250.459(a)(2) Enforcement Actions: S
- D-724** IF DISCHARGES FROM A MECHANICAL VENTILATION SYSTEM MAY BE HAZARDOUS, ARE ALL CLASSIFIED DRILLING FLUID-HANDLING AREAS MAINTAINED AT A NEGATIVE PRESSURE?
Authority: 30 CFR 250.459(a)(3) Enforcement Actions: S
- D-728** ARE ALL CLASSIFIED DRILLING FLUID-HANDLING AREAS, WHICH ARE MAINTAINED AT A NEGATIVE PRESSURE, PROTECTED WITH AT LEAST ONE OF THE FOLLOWING: (I) A PRESSURE- SENSITIVE ALARM, (II) OPEN-DOOR ALARMS ON EACH ACCESS TO THE AREA, (III) AUTOMATIC DOOR-CLOSING DEVICES, (IV) AIR LOCKS, OR (V) OTHER DEVICES APPROVED BY THE DISTRICT MANAGER?
Authority: 30 CFR 250.459(a)(3) Enforcement Actions: S
- D-732** ARE ALL CLASSIFIED DRILLING FLUID-HANDLING AREAS FITTED WITH GAS DETECTORS AND ALARMS, EXCEPT IN OPEN AREAS WHERE ADEQUATE VENTILATION IS PROVIDED BY NATURAL MEANS, AND ARE GAS DETECTORS CALIBRATED AND TESTED AT LEAST EVERY 90 DAYS?
Authority: 30 CFR 250.459(b) Enforcement Actions: S

- D-736** IS OPERABLE GAS DETECTING EQUIPMENT INSTALLED TO MONITOR DRILLING FLUID RETURNS, WITH THE REQUIRED TYPE OF INDICATORS LOCATED ON THE RIG FLOOR OR IN A CONTINUOUSLY MANNED DRILLING FLUID LOGGING UNIT HAVING IMMEDIATE COMMUNICATION WITH THE RIG FLOOR?
 Authority: 30 CFR 250.457(d) Enforcement Actions: S
- D-740** ARE ALL CLASSIFIED DRILLING FLUID-HANDLING AREAS EQUIPPED WITH EITHER EXPLOSION-PROOF OR PRESSURIZED ELECTRICAL EQUIPMENT TO PREVENT THE IGNITION OF EXPLOSIVE GASES?
 Authority: 30 CFR 250.459(c) Enforcement Actions: S
- D-744** WHERE AIR IS USED FOR PRESSURIZING EQUIPMENT, IS THE AIR INTAKE LOCATED OUTSIDE OF, AND AS FAR AS PRACTICABLE, FROM HAZARDOUS AREAS?
 Authority: 30 CFR 250.459(c) Enforcement Actions: S
- D-748** ARE MECHANICAL VENTILATION SYSTEMS FITTED WITH ALARMS, WHICH ARE ACTIVATED UPON A FAILURE OF THE SYSTEM?
 Authority: 30 CFR 250.459(d) Enforcement Actions: S
- D-752** IS AN OPERABLE DRILLING FLUID-GAS SEPARATOR AND OPERABLE DEGASSER INSTALLED PRIOR TO COMMENCEMENT OF DRILLING OPERATIONS AND MAINTAINED THROUGHOUT THE DRILLING OF THE WELL?
 Authority: 30 CFR 250.456(g) Enforcement Actions: S
- D-756** IS THE DISTRICT MANAGER GIVEN AT LEAST 24 HOURS NOTICE BEFORE STARTING A WELL TEST?
 Authority: 30 CFR 250.460(b) Enforcement Actions: W