

Company: AMOCO

11/9/87

OIL AND GAS PLAN OF OPERATIONS CHECKLIST

NEEDED

FURNISHED

1. Furnish names and legal addresses of
 - ☒ ☒ A. operator, and
 - ☒ ☒ B. owner(s) or lessee(s) if other than operator.
- ☒ ☒ 2. Furnish copy of document upon which operator's right to conduct operations is based.
- ☒ ☒ 3. Furnish maps(s) showing perimeter of lease area referenced to State coordinate system or latitude and longitude.
4. Furnish maps with locations determined by a registered surveyor or civil engineer showing:
 - ☒ ☐ A. operations site within lease area;
 - ☒ ☐ B. site perimeter with existing and/or proposed access routes;
 - ☒ ☐ C. boundaries of proposed surface disturbance;
 - ☒ ☐ D. all surface facilities (temporary or permanent); and
 - ☒ ☐ E. location of permanent marker with State coordinates within the site (surveyed in by registered surveyor or civil engineer).
- ☒ ☒ 5. Describe major equipment to be used (include transportation of water, i.e. truck, pipeline, etc.) and proposed method of getting it to and from the site.
- ☒ ☒ 6. Include a timetable for each phase of operation as it relates to a starting date.
- ☒ ☒ 7. Furnish the geologic name of the surface formation.
8. Give the
 - ☒ ☒ A. bottom hole depth and
 - ☒ ☒ B. the depth of the tops of important geologic markers.
- ☒ ☒ 9. Give the depths at which anticipated water, brines, oil, gas or other mineral bearing formations are expected.
10. Include:
 - ☒ ☒ A. nature and extent of known deposit or reservoir to be produced;
 - ☒ ☒ B. description of the proposed operation;
 - ☒ ☒ C. proposed casing program including size, grade and weight of each string and is it new or used;
 - ☒ ☒ D. proposed setting depth of each casing string;

CC-289

- ☒ ☒ E. amount and type of cement including additives to be used in cementing casing;
- ☐ ☐ F. operator's minimum specifications for pressure control equipment to be used;
- ☐ ☐ G. schematic showing (1) sizes, (2) pressure ratings, (3) testing procedures and (4) testing frequency;
- ☒ ☐ H. type and characteristics of proposed circulating medium(s) to be employed for rotary drilling;
- ☐ ☐ I. quantities and types of mud and weighting material to be maintained;
- ☐ ☐ J. testing, logging and coring programs to be followed; and
- ☐ ☐ K. anticipated abnormal pressures or temperatures and potential hazards such as hydrogen sulfide or oil spills with plans for mitigation. (See CFR 9.43 if anticipated.)

11. These steps must be taken to comply with CFR 9.41.

- ☒ ☒ A. No operation should be within 500' of bodies of water, streams, buildings or structures unless specifically addressed in Plan and approved.
- ☒ ☒ B. Protect or reestablish all survey monuments.
- ☒ ☒ C. When operations are suspended for 24 hours but no longer than 30 days, the well is to be shut in. When operations are suspended for over 30 days a suitable plug will be installed.
- ☒ ☒ D. All completed producible wells will be conspicuously marked with name of owner and well number and location.
- ☒ ☒ E. Fences are required around facilities. One gate must be large enough to admit fire equipment and built to Superintendent's standards.
- ☒ ☒ F. Provisions should be made for housekeeping, fire and accident prevention.
- ☒ ☒ G. Operators accept full responsibility for contractor or subcontractor compliance with approved Plan of Operations.

12. The following are the provisions for reclamation, CFR 9.39(s), which should occur no later than 6 months after completion unless authorized in writing.

- ☒ ☒ A. Remove all structures, equipment and roads not needed under another plan of operations unless otherwise authorized.
- ☒ ☒ B. Remove all man-made debris.
- ☒ ☒ C. Remove or neutralize any contaminating substances.

- ☒ ☒ D.. Plug and cap non-productive wells listing procedures to be used.
- ☒ ☒ E. Fill dump holes, ditches, pits and other excavations.
- ☒ ☒ F. Restore contours similar to those present prior to operation.
- ☒ ☒ G. Re-establish native vegetation.
- ☒ ☒ 13. Furnish a breakdown of reclamation costs.
- ☐ ☐ 14. Describe the methods of disposal of all rubbish and other solid and liquid wastes and contaminating substances (including human body waste).
- ☒ ☒ 15. Furnish an affidavit stating that the operations planned are in compliance with all applicable Federal, State and local laws and regulations.
- ☒ ☒ 16. Give background information to include:
- ☒ ☒ A. Description of natural environment;
- ☒ ☒ B. Description of cultural environment using archeologist approved by State Archeological Committee;
- ☒ ☒ *limited* C. Description of economic environment;
- ☒ ☒ D. Description of social environment;
- ☒ ☒ E. Map of all wells of public record within 2 miles of the proposed site showing type (water, oil, gas disposal, etc.), status (producing, abandoned, etc.) and depth;
- ☒ ☒ F. Anticipated direct and indirect impacts of the operation on 16 A,B,C and D;
- ☒ ☒ G. Mitigation of above impacts and discussion of those that cannot be mitigated;
- ☐ ☐ *no longer applicable* H. Measures to protect surface and sub-surface waters by means of casing and cement, etc. (may supplement or refer back to 10 C,D, E and F);
- ☐ ☐ I. List of all reasonable technologically feasible alternative methods of operation, their costs, their environmental effects, reclamation and any other controlling factors;
- ☒ ☒ J. Discussion of Park's Statement for Management and how operator's activities to minimize or prevent environmental damage support this document;
- ☒ ☒ K. Statement of Compliance with EOl1988 and 43 FR 6030 dated 10 February 1978;
- ☒ ☒ L. Size and type of seismic charge (include percentage rating of dynamite or rating of primacord; and
- ☒ ☒ M. Archeological Permit number or applicatio

