

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

## Continued

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- 5) The well will be drilled with cable tools. Cable tools are used in the area and no high pressure formations are encountered that would flow at this shallow depth. The 5½" casing will have a 5½" control valve installed for adequate control when the Glorieta Sand is penetrated.
- 6) Since the well is going to be drilled with cable tools only enough water will be used to mix up the drill cuttings, the 13 3/8" casings will be set on a Texas Pattern shoe and mudded off with mud in the annulus between the drilled hole and casing.
- 7) The 5½" drilling control valve will be the only auxiliary safety equipment needed for a cable tool drilling program.
- 8) No drill stem testing is required with cable tools. No cores are anticipated. An Induction log and gamma ray neutron porosity log will be run on the well.
- 9) No abnormal pressures or temperatures are expected to be encountered at this shallow depth. The Glorieta Sand crude is sour but only a slight amount of hydrogen sulfide could be encountered. At this shallow depth, the crude oil has very little gas and reservoir pressure, and temperatures are low.
- 10) The drilling operations are expected to commence by October 1 or as soon as this permit is approved and the cable tool rig is available.
- 11) If the Glorieta Sand is oil productive, it will be acidized with 500 gallons of acid per foot of porosity in the sand, or less. If any volatile fluid is used for treating the well, the pump truck will be positioned at least 120 feet from the wellhead and the oil storage tanks at least 120 feet from the pump truck.

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