

MOBIL OIL CORPORATION

LEASE: Federal X

WELL: 3

FIELD: Langlie-Mattix

COUNTY: Lea

STATE: New Mexico

TEN POINT WELL CONTROL & RESOURCE PROTECTION DATA

1. The geologic name of the surface formation Quaternary Alluvium.
2. The estimated tops of important geologic markers.

<u>Formation Name</u>	<u>Depth (Top)</u>
<u>Rustler</u>	<u>1020'</u>
<u>Salt</u>	<u>1125'-2500'</u>
<u>Yates</u>	<u>2800'</u>
<u>Seven Rivers</u>	<u>2980'</u>
<u>Queen</u>	<u>3375'</u>
<u>Penrose</u>	<u>3500'</u>

3. The estimated depth at which anticipated water, oil, gas or other mineral-bearing formations are expected to be encountered.

<u>Formation Name</u>	<u>Depth (Top)</u>	<u>Type of Mineral</u>
<u>Ogallala</u>	<u>47'</u>	<u>Fresh Water</u>
<u>Triassic</u>	<u>175'-750'</u>	<u>Fresh Water</u>
<u>Salt</u>	<u>1125'-2500'</u>	<u>Salt</u>
<u>Queen</u>	<u>3375'</u>	<u>Oil</u>

4. The proposed casing program, including the size, grade, and weight-per-foot of each string and whether new or used. (Shown on Form 9-331C)
5. The lessee's or operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings (or API series), and the testing procedures and testing frequency. (See attachment)
6. The type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained.

A sufficient quantity of mud and chemicals will be maintained at the well site to meet anticipated normal conditions, recognizing the time to replenish supplies from local sources.

7. The auxiliary equipment to be used, such as (1) kelly cocks, (2) floats at the bit, (3) monitoring equipment on the mud system, (4) a sub on the floor with a full opening valve to be stabbed into drill pipe when the kelly is not in the string.

We do not believe there will be a need for a float at the bit on this unit.

8. The testing, logging, mud, and coring programs to be followed with provision made for required flexibility. (See attached sheet)
9. Any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen sulfide gas, along with plans for mitigating such hazards.

No abnormal pressures, temperatures or hazardous gas are expected to be encountered; however, prudent drilling operations will be exercised to guard against such hazards.

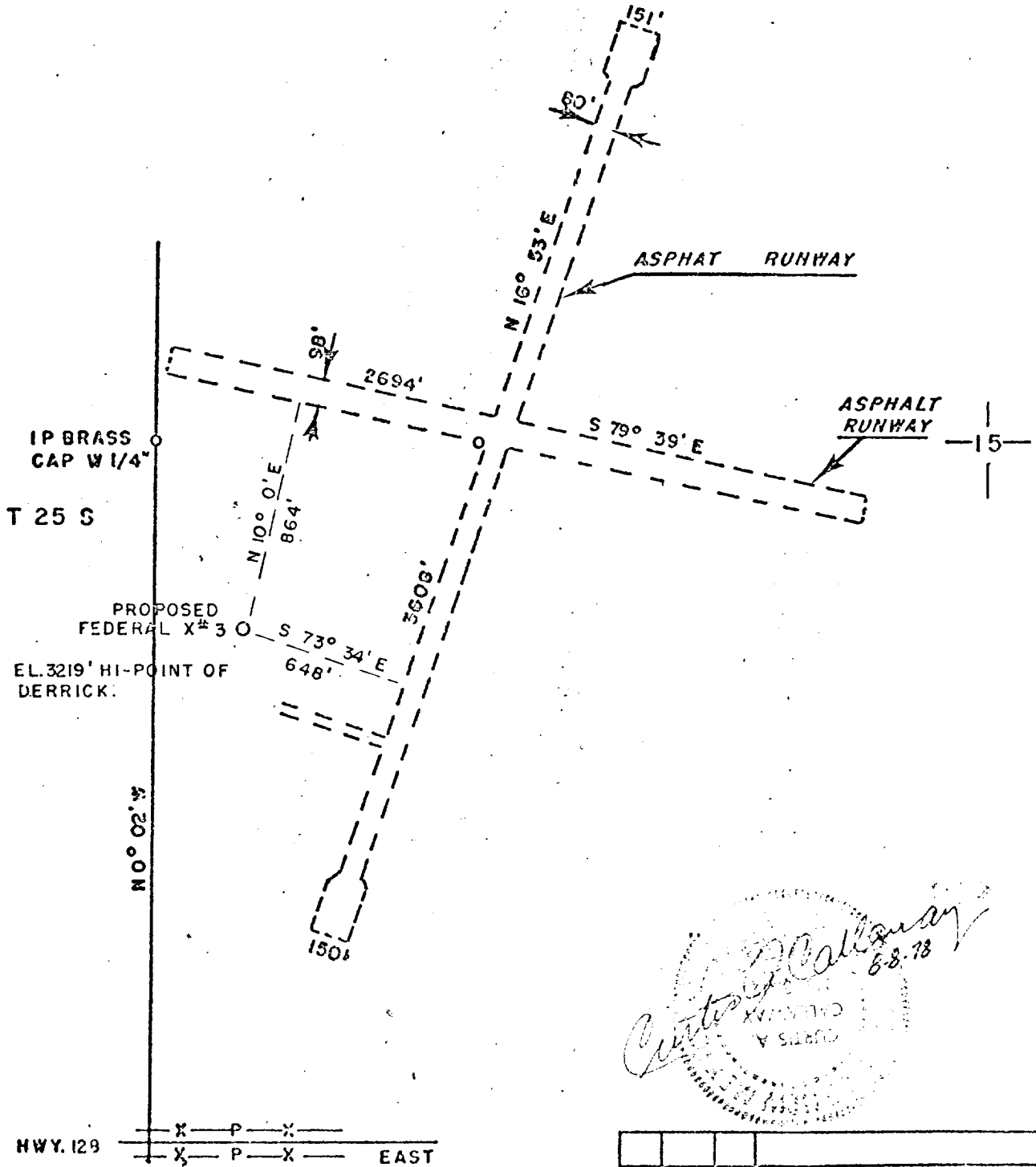
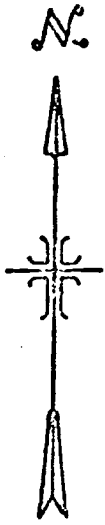
10. The anticipated starting date and duration of the operations.

Starting Date: Sept. 25, 1978 Duration of Operations 10 Days.

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R 37 E



Antonio Calaway
 6-8-78
 X-11110
 V-58810

HWY. 129 — X — P — X —
 — X — P — X — EAST

NO.	DATE	BY
PLAT SHOWING RELATIONSHIP PROPOSED FEDERAL X# 3 LEA COUNTY AIRPORT JAL NEW MEXICO		
Mobil Oil Corporation Houston E & P Division		
DRAWN BY	DWG. NO.	

U. S. Geological Survey

HOBBS DISTRICT

Mobil Oil Corporation No. 3 Federal X NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15-25S-37E Lea County, New Mexico Above Data Required on Well Sign

CONDITIONS OF APPROVAL

1. Drilling operations authorized are subject to compliance with the attached General Requirements for Drilling Operations on Federal Oil and Gas Leases, dated January 1, 1977.
2. Notify this office (telephone (505) 393-3612) when the well is to be spudded and in sufficient time for a representative to witness all cementing operations. Attached are names and telephone numbers of Geological Survey and Bureau of Land Management personnel who are available for consultation during construction, drilling, completion, and rehabilitation activities.
3. Immediate notice is required of all blowouts, fires, spills, and accidents involving life-threatening injuries or loss of life.
4. Secure prior approval of the District Engineer for variance from the approved drilling program and before commencing plugging operations, plug-back work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely.
5. Blowout prevention equipment is to be installed, tested, and in working order before drilling below the surface casing and shall be maintained ready for use until drilling operations are completed.
6. Operations must be in compliance with the provisions of the landowner agreement concerning surface disturbance and surface restoration.