

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LEASE DESIGNATION AND SERIAL NO.  
**USA - Santa Fe 078083**

INDIAN ALLOTTEE OR TRIBE NAME  
UNIT AGREEMENT NAME

FARM OR LEASE NAME  
**Eleanor Scott - Federal**

WELL NO.  
**13**

FIELD AND POOL, OR WILDCAT  
**asin Dakota**

SEC. T. R. M. OR BLK. AND SURVEY OR AREA  
**24-T27N-R11W**

COUNTY OR PARISH  
**San Juan**

STATE  
**New Mex co**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
**THE BRITISH-AMERICAN OIL PRODUCING COMPANY**

3. ADDRESS OF OPERATOR  
**P. O. Box 180 Denver Colorado**

4. LOCATION OF WELL: Report location clearly and in accordance with any State requirements.\*  
At surface  
**NW SW Section 24-27N-11W, 900' FWL and 1600' FSL**  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
**900'**

16. NO. OF ACRES IN LEASE  
**2560**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**320**

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
**5600'**

19. PROPOSED DEPTH  
**6630**

20. ROTARY OR TABLE TOOLS  
**Rotary**

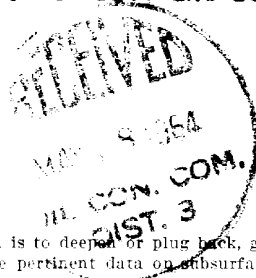
21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5200 K (Est)**

22. APPROX. DATE WORK WILL START\*

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	8-5/8" OD	24 lb.	250 approx	Returns to surface
7-7/8	4-1/2" OD	11.6 lb.	6630 approx.	300 sax

To drill and test subject well to the Dakota formation. No coring or testing planned. Logging Comb ES-induction Log from TD to surface casing. Detail ES-induction Log and Sonic/Gamma/Ray/Caliper Log bottom 400 200 through Gallup and 200 through Pictured Cliff. Run Gamma Ray Log in conjunction with perforating. Drilling: Use Geolograph from 250 to TD. Drift Surveys: At 50 intervals to 250 thereafter at 250 intervals. Standard Depth Measurements: SLM of drill pipe at approximately 300 above the Lower Gallup zone prior to coring, prior to DST, and at TD. Samples: Collect 10 samples from 5000 to TD.



24. IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED: Thomas M. Hogan Special signed by  
TITLE: District Superintendent DATE: May 12 1964

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY: [Signature] TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

## **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.

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**Well Location and Acreage Dedication Plat**

**SECTION A.**

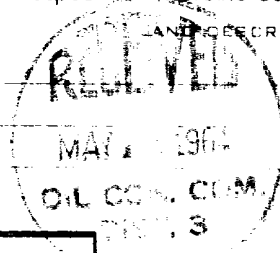
Date May 14, 1964

Operator BRITISH AMERICAN OIL PRODUCING COMPANY Lease FEDERAL SECTT  
Well No. 13 Unit Letter L Section 24 Township 27 NORTH Range 11 WEST NMPM  
Located 1600 Feet From SOUTH Line 900 Feet From WEST Line  
County SAN JUAN G. L. Elevation 6277 Dedicated Acreage 320 Acres  
Name of Producing Formation DAKOTA Pool BASIN DAKOTA

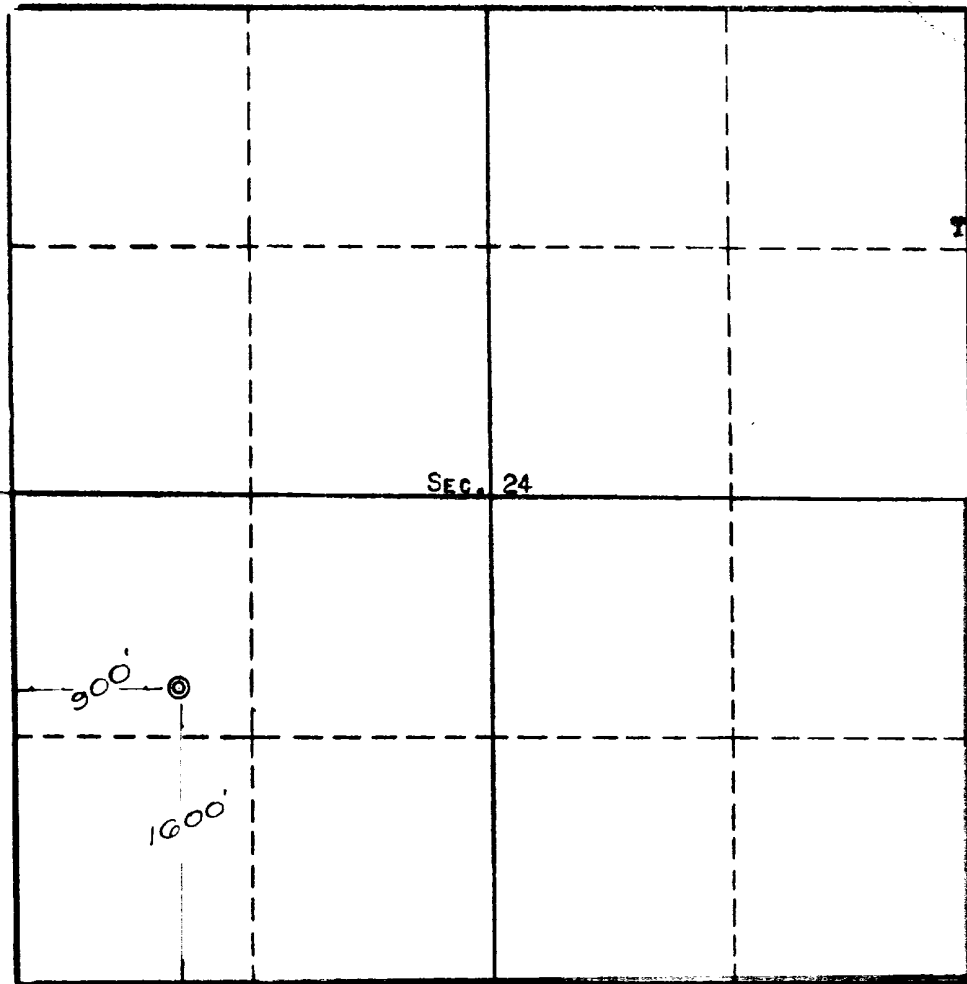
1. Is the Operator the only owner\* in the dedicated acreage outlined on the plat below? Yes  No
2. If the answer to question One is "No," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes  No  If answer is "Yes," Type of Consolidation \_\_\_\_\_
3. If the answer to question Two is "No," list all the owners and their respective interests below:

OWNER

LAND DESCRIPTION



**SECTION B.**



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

**The British-American Oil Prod. Co.**

Operator  
Signed By: \_\_\_\_\_  
Title: \_\_\_\_\_

**Max R. Stone** REPRESENTATIVE

**P. O. Drawer 330  
Farmington, New Mexico**

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed MAY 13, 1964

**Four States Engineering Co.**  
FARMINGTON, NEW MEXICO

*Charles W. Clark*  
REGISTERED ENGINEER OR  
LAND SURVEYOR



Certificate No 3602