DC-323

OCC
Aztec

NORTHWEST PRODUCTION CORPORATION

ALBUQUERQUE, NEW MEXICO

RECEIVED
OCT 3 1956
OIL CON. COM.
DIST. 3

REPLY TO:
520 SIMMS BUILDING
ALBUQUERQUE, NEW MEXICO

OCT 1 1956

Oil & Gas Conservation Commission
State of New Mexico
Box 871
Santa Fe, New Mexico

Re: Application for Dual Gas Completion of Northwest Production Corporation "E" Well No. 2-33 located in Section 33, T26N, R3W, Rio Arriba County, N.M.

Attention: Mr. A. L. Porter

Gentlemen:

In accordance with Rule 112, paragraph C of the Commission Rules and Regulations, Northwest Production Corporation requests final approval for the dual completion of "E" Well No. 2-33 in the Mesaverde and Pictured Cliffs gas formations. Tenative approval of the plan for drilling and equipping the well was received from Mr. Emery C. Arnold on July 2, 1956. Approval from the United States Geological Survey was received June 22, 1956 of the Notice of Intention to Drill a dual Mesaverde-Pictured Cliffs well.

Following is a resume of the work performed on "E" Well No. 2-33, which is located 1619 feet from the North line and 974 feet from the East line of Section 33, T26N, R3W, Rio Arriba County, New Mexico:

1. Seven inch intermediate casing was set at 4301.20 feet.

2. A 6¼ inch hole was drilled to 6460 feet and a 5-inch O.D. liner was cemented at 6438 feet. The liner was hung from 4198.51 feet with a Burns liner hanger.

3. The 5-inch liner was perforated from 6300 to 6356 feet and the lower Point Lookout was fractured.

4. A bridge plug was set at 6290 feet, the 5-inch liner was perforated from 6200 to 6280 feet and the upper Point Lookout was fractured.

5. A bridge plug was set at 6190 feet, the 5-inch liner was perforated from 6122 to 6180 feet and the lower Menefee was fractured.

6. A bridge plug was set at 5860 feet, the 5-inch liner was perforated from 5794 to 5852 feet and the upper Menefee and lower Cliff House were fractured.

7. A bridge plug was set at 5780 feet, the 5-inch casing was perforated from 5740 to 5772 feet and the upper Cliff House was fractured.

8. The bridge plugs were drilled and the hole cleaned out to 6415 feet.

9. A bridge plug was set at 4220 feet, the 7 inch casing was perforated from 4082 to 4108 feet and the Pictured Cliffs was fractured.

10. The bridge plug was drilled and the hole cleaned out.

11. Two-inch EUE tubing was hung at 6333.78 feet with Lane Wells BOCL 4-A production packer set at 5677.96 feet and an Otis side-door choke at 5646.21 feet.

The three-hour absolute open flow from the Pictured Cliffs casing-tubing annulus completion was 502 Mcf taken on September 13, 1956. The Mesa-verde tubing completion had an absolute open flow of 4,321 Mcf taken September 20, 1956.

Attached for your information is a diagramatic sketch of the dual with pertinent data of the completion.

Mineral rights of all acreage offsetting "E" Well No. 2-33 are held by Northwest Production Corporation.

Should you desire additional information before a formal order approving this dual completion is issued, please advise.

Yours very truly,

NORTHWEST PRODUCTION CORPORATION

W. R. Johnston, Manager
Production Operations

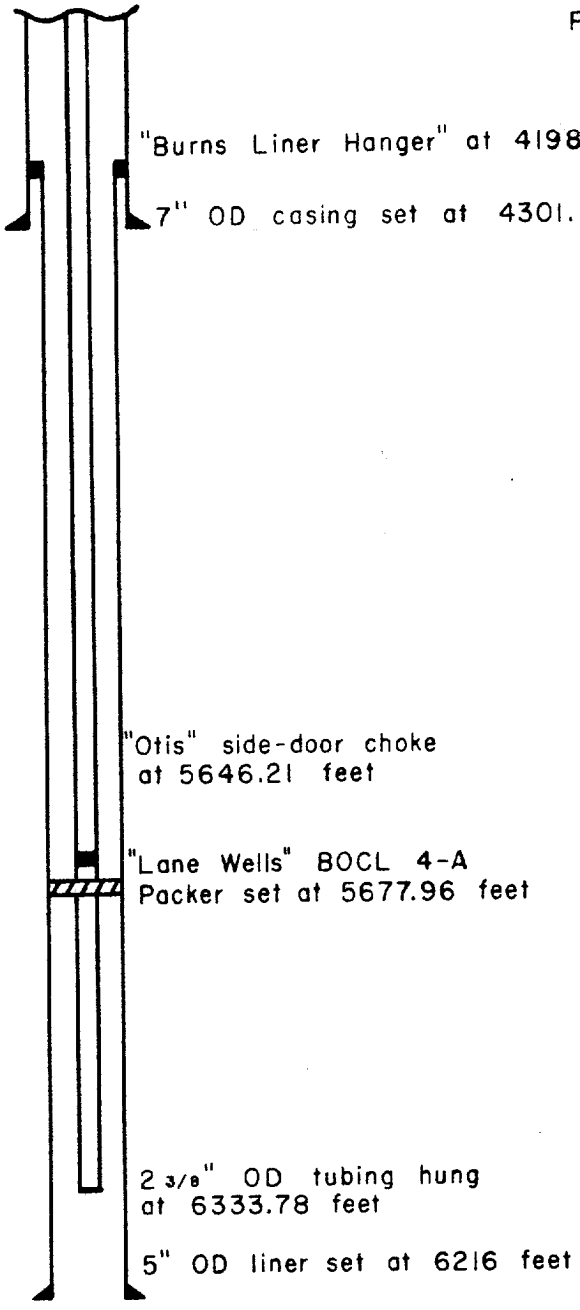
WRJ/RP/11
In duplicate
Encl.

cc: Oil Conservation Commission
Aztec, New Mexico

U. S. Geological Survey
Farmington, New Mexico

PICTURED CLIFFS DATA:

TOP OF PICTURED CLIFFS — 4052'
BOTTOM OF PICTURED CLIFFS — 4112
PERFORATIONS : 4082'-4108'



MESAVERDE DATA:

TOP OF MESAVERDE — 5716'
BOTTOM OF MESAVERDE — 6358'

PERFORATIONS:

CLIFF HOUSE : 5740'-5822'
MENEFEE : 5838'-6180'
POINT LOOKOUT : 6200'-6356'

DIAGRAMATIC SKETCH OF DUAL GAS COMPLETION FOR "E" WELL 2-33

NORTHWEST PRODUCTION CORPORATION
ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS COMPLETION OF "E" WELL 2-33 IN PICTURED CLIFFS AND MESAVERDE FORMATIONS

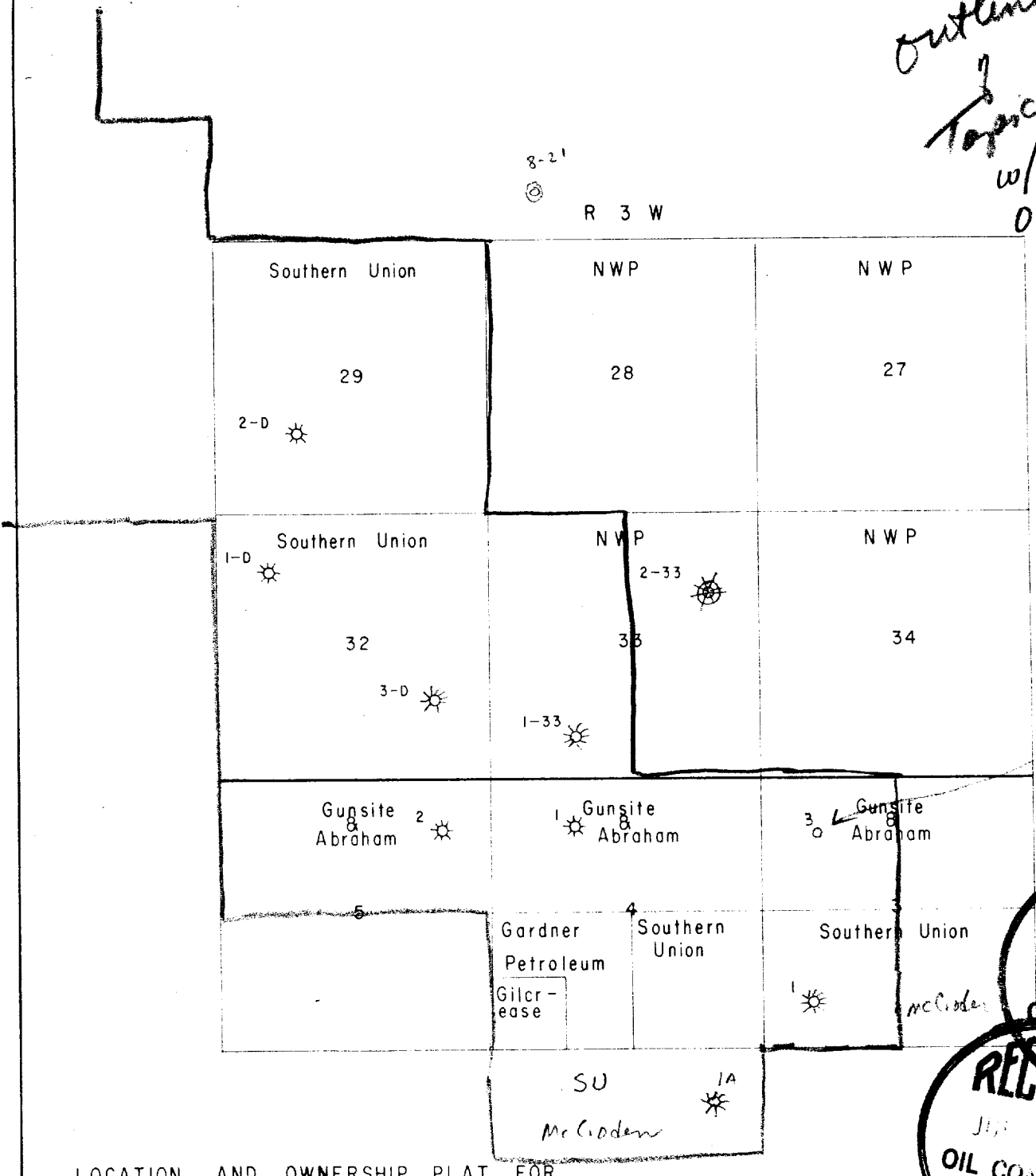
RIO ARRIBA COUNTY
NEW MEXICO

CONTRACT # 117

DRAWN: W.H. McGAHEY
APPROVED: RAY PHILLIPS

SCALE 1" = 400'
DATE: 9-24-56

Outline Topacito w/ October Nomenclature case ✓



Continued case NSL contd on before wmk Santa Fe on 10/19/56

LOCATION AND OWNERSHIP PLAT FOR "E" WELL 2-33 IN SECTION 33 OF T 26 N AND R 3 W WITH WORKING INTEREST RIGHTS TO BASE OF MESAVERDE FORMATION

NORTHWEST PRODUCTION CORPORATION
ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS COMPLETION OF "E" WELL 2-33 IN PICTURED CLIFFS AND MESAVERDE FORMATIONS

RIO ARRIBA COUNTY
NEW MEXICO

CONTRACT # 117

Drawn: Wm. McGahey
Approved: Ray Phillips

Scale: 1" = 3000'
Date 6-27-56