

CCC
NORTHWEST PRODUCTION CORPORATION
ALBUQUERQUE, NEW MEXICO

September 17, 1956 11:50 AM

REPLY TO:
520 SIMMS BUILDING
ALBUQUERQUE, NEW MEXICO

Tel. 74211

Exc to file 112 A1

Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter

Gentlemen:

By letter dated September 13, 1956, request was made to Mr. Emory Arnold of the Aztec Office of the New Mexico Oil Conservation Commission for tentative approval to complete Northwest Production Corporation's Well W-1-7 in the Pictured Cliffs, Mesaverde and Dakota formations. Copy of this request is attached for your ready reference.

It is respectfully requested that this matter be brought before the New Mexico Oil Conservation Commission at the regular monthly hearing to be held October 17, 1956.

Very truly yours,

NORTHWEST PRODUCTION CORPORATION

W. R. Johnston
W. R. Johnston, Manager
Production Operations

WRJ/JP/nt

In triplicate
Mr. Emory Arnold, Aztec, N.M.
U.S.G.S., Farmington, N.M.
Delhi-Taylor Oil Corp., Dallas, Texas
Lowry Oil Co., Albuquerque, N.M.
Atlantic Refining Co., Dallas, Texas

sent copy
3
Docket
to
Bill
Johnston
on
10/1/56

NORTHWEST PRODUCTION CORPORATION

ALBUQUERQUE, NEW MEXICO

September 13, 1956

REPLY TO:
520 SIMMS BUILDING
ALBUQUERQUE, NEW MEXICO

Oil Conservation Commission
State of New Mexico
120 East Chaco
Artec, New Mexico

Attention: Mr. Emory Arnold

Gentlemen:

Northwest Production Corporation requests tentative approval to complete well "W" 1-7 in the Pictured Cliffs, Mesaverde and Dakota formations.

Well "W" 1-7 is located 800' FSL and 920' FWL, Section 7, T 26 N, R 5 W, Rio Arriba County, New Mexico. The well is located within the boundaries of the South Blanco Pictured Cliffs gas pool and is classified as a wildcat for both the Mesaverde and Dakota formations.

As indicated on the attached ownership plat, owners of mineral rights to offset acreage are:

The Atlantic Refining Company, Box 2819, Dallas, Texas.

Delhi-Taylor Oil Corporation, 823 Corrigan Tower, Dallas, Texas.

Lowry Oil Company, Box 8008, Albuquerque, New Mexico.

Copy of this application has been furnished each of these operators by registered mail.

Well "W" 1-7 has been drilled to a total depth of 7623' with 7-5/8" OD casing cemented at 3294.61' and 5 1/2" OD casing cemented at 7614.96'. The 5 1/2" casing was perforated from 7432-42, 7470-80, 7504-24, 7566-76 and 7598-7607. The Dakota formation was fractured through the perforation and an open hole section from 7615-23.

Our procedure for completing the well to produce the three formations would be as follows:

1. Set a temporary bridge plug at 5340', selectively perforate the 5 1/2" casing and fracture the Mesaverde formation in two zones.

2. Set a temporary bridge plug at 3195', cut and recover the 5½" casing above the bridge plug. Squeeze cement the top of the 5½" liner with 100 sz regular. Pressure up and test the 5½" x 7-5/8" casing-casing annulus.
3. Perforate the 7-5/8" casing and fracture the Pictured Cliffs formation.
4. Drill out temporary bridge plugs and clean out to total depth.
5. Set Baker packer on wire line above the Dakota formation at approximately 7430'.
6. Run 2-7/8" OD BUE tubing set at approximately 7435' with anchor type packer set above the Mesaverde formation at approximately 4778'. An Otis side-door choke will be run below the anchor packer at approximately 4808'.
7. 1½" OD non-upset tubing will be run inside the 2-7/8" tubing and set in the side door choke at 4808' with a pack-off to separate the 1½" tubing from the 1½" x 2-7/8" tubing-tubing annulus, thereby allowing the Dakota formation to flow through the 1½" tubing and the Mesaverde to flow through the 1½" x 2-7/8" tubing-tubing annulus.
8. A second string of 1½" OD non-upset tubing will be run inside the 2-7/8" tubing x 7-5/8" casing annulus to a depth of approximately 3060' to produce the Pictured Cliffs formation.
9. It is planned to use a dual-string tree which is so arranged to obtain pressures on all three formations.

The completion of well "W" 1-7 in the manner outlined will permit Northwest Production Corporation to produce the three formations from one well, thereby effecting a considerable reduction in drilling costs. Tests after fracture of the Dakota formation in this well indicate that it would not be practical from an economic standpoint to produce the "W" 1-7 well from the Dakota formation only.

Yours very truly,

NORTHWEST PRODUCTION CORPORATION

W. R. Johnston, Manager
Production Operations

WRJ:RP:ph
In triplicate
Enclosures

CC to: The Atlantic Refining Company
Delhi-Taylor Oil Corporation
Lowry Oil Company
U. S. Geological Survey - Farmington

R 6 W		R 5 W		T 26 N
Pubco	Lowry	NWP	NWP 2-5 ○	
		6	5	
Lowry	NWP	NWP		T 26 N
2-14-189 ☀ 12	7 Jicorilla "W" 1-7 ○	8		
Lowry	Delhi & Atlantic	Delhi & Atlantic		T 26 N
1-c Scott ☀ 13	18	17		

LOCATION AND OWNERSHIP PLAT FOR
 "W" WELL 1-7 IN SECTION 7 OF
 T 26N AND R 5W WITH WORKING
 INTEREST RIGHTS TO BASE OF
 DAKOTA FORMATION

NORTHWEST PRODUCTION CORPORATION
 ALBUQUERQUE, NEW MEXICO

APPLICATION FOR TRIPLE GAS COMPLETION
 OF "W" WELL 1-7 IN PICTURED CLIFFS,
 MESAVERDE AND DAKOTA FORMATIONS

RIO ARriba COUNTY
 NEW MEXICO

CONTRACT # 152

DRAWN: W.H. MCGAHEY
 APPROVED: RAY PHILLIPS

SCALE 1" = 3000'
 DATE: 9-13-56

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 10/24/56

CASE 1161

Hearing Date 10/17/56

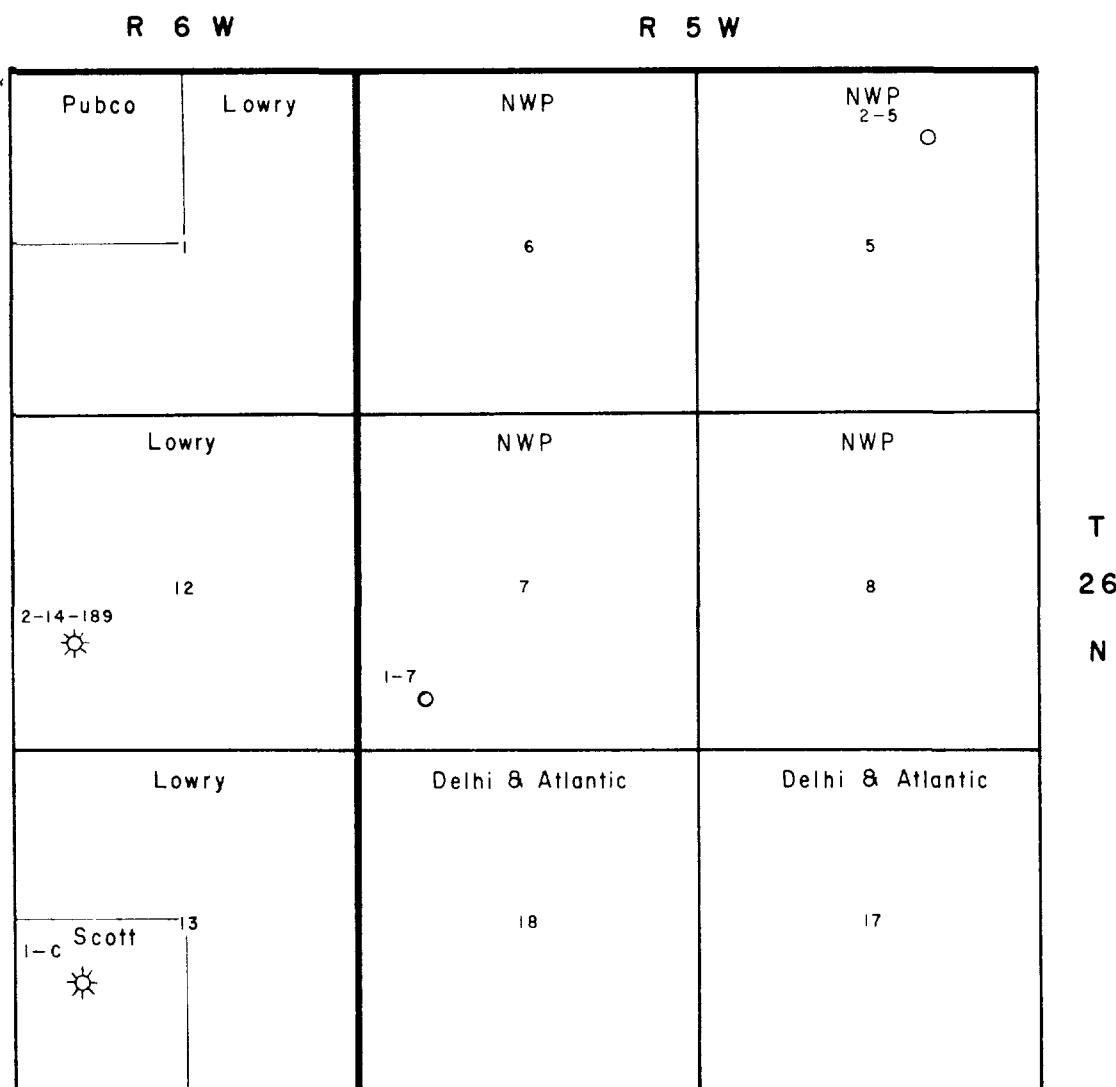
My recommendations for an order in the above numbered cases are as follows:

OK to write approval
of triple completion.

Arch. Lodge
50. Blayne PC
12/6

Waverell Marken
Staff Member

*Cases 1161 and 1162
Northern Productions*



LOCATION AND OWNERSHIP PLAT FOR
"W" WELL 1-7 IN SECTION 7 OF
T 26 N AND R 5 W WITH WORKING
INTEREST RIGHTS TO BASE OF
DAKOTA FORMATION

**NORTHWEST PRODUCTION CORPORATION
ALBUQUERQUE, NEW MEXICO**

APPLICATION FOR TRIPLE GAS COMPLETION
OF "W" WELL 1-7 IN PICTURED CLIFFS,
MESAVERDE AND DAKOTA FORMATIONS

RIO ARRIBA COUNTY
NEW MEXICO

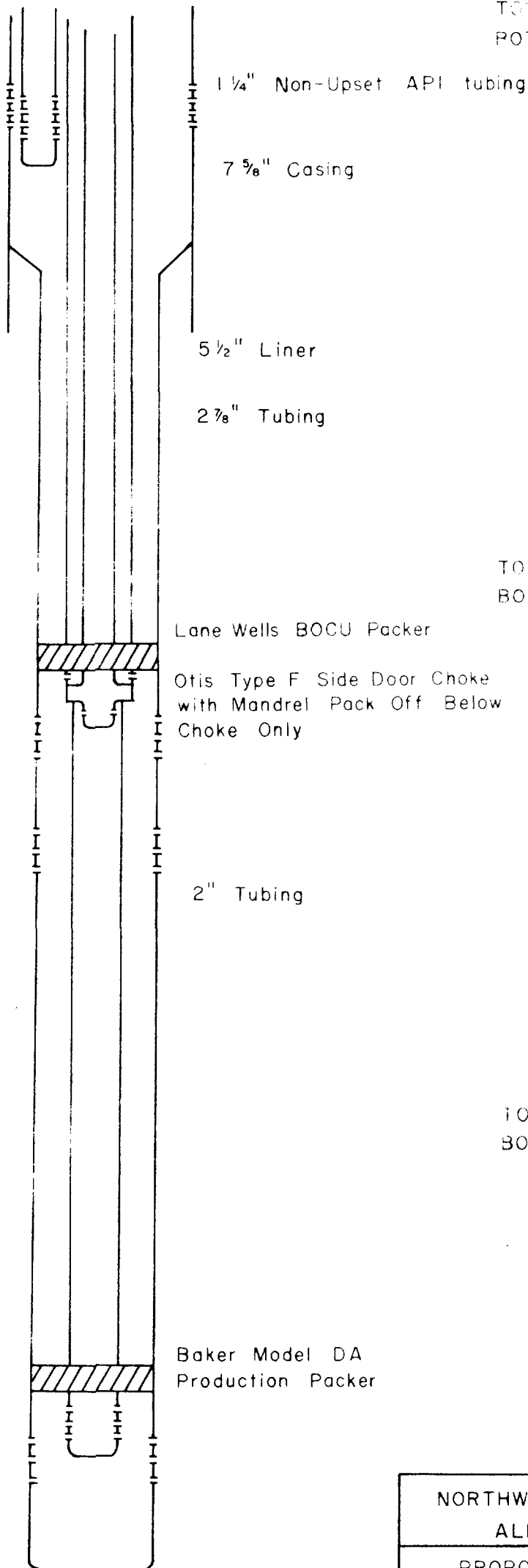
CONTRACT # 152

DRAWN: W.H. MCGAHEY
APPROVED: RAY PHILLIPS

SCALE 1" = 3000'
DATE: 9-13-56

PICTURED CLIFFS DATA:

TOP OF PICTURED CLIFFS - 3060'
BOTTOM OF PICTURED CLIFFS - 3092'



MESAVERDE DATA:

TOP OF MESAVERDE - 4808'
BOTTOM OF MESAVERDE - 5336'

DAKOTA DATA:

TOP OF DAKOTA - 7442'
BOTTOM OF DAKOTA - 7625'

EX #2
1161

NORTHWEST PRODUCTION CORPORATION
ALBUQUERQUE, NEW MEXICO

PROPOSED TRIPLE GAS COMPLETION
OF "W" WELL 1-7 IN SECTION 7
T 26 N AND R 5 W OF PICTURED CLIFFS,
MESAVERDE AND DAKOTA FORMATIONS

RIO ARriba COUNTY
NEW MEXICO

CONTRACT # 152

DRAWN W.H. MCGAHEY
APPROVED W.R. JOHNSTON

SCALE 1/6" = 1"
DATE 10-12-56