



TONY ANAYA
GOVERNOR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

September 5, 1986

50 YEARS



1935 - 1985

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Arco Oil & Gas Company
P. O. Box 1610
Midland, Texas 79702

Attn: Jack T. Lowder

Re: Injection Zone Expansion
Division Order SWD-48

Dear Sir:

Reference is made to your request dated August 11, 1986, for authorizing to expand the injection interval within the wellbore of your Empire Abo Unit Well No. 0-10. This well, originally approved for disposal by Division Order No. SWD-48, is currently being used for injection into the Lower Yeso formation through perforation from 3700 feet to 3750 feet. It is our understanding that you wish to expand the perforated interval in the well to 3694 feet to 3850 feet in order to increase injectivity. Inasmuch as the additional perforated interval will still lie within the Lower Yeso formation, this request will be granted.

You are therefore authorized to increase the injection interval in your Empire Abo Unit Well No. 0-10 located in Unit K of Section 10, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico, to 3694 feet through 3865 feet.

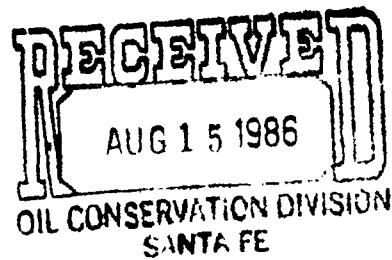
Sincerely,

R. L. Stamets
Director

RLS/DRC/et

xc: File SWD-48
Oil Conservation Division - Artesia
Donna McDonald

ARCO Oil and Gas Company
Permian District
Post Office Box 1610
Midland, Texas 79702
Telephone 915 684 0100



August 11, 1986

Mr. David R. Catanach
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Empire Abo Unit Well No. 0-10
Request to Enlarge Water Disposal Interval
Eddy County, New Mexico

Dear Mr. Catanach:

ARCO Oil and Gas Company respectfully requests approval to enlarge the salt water disposal interval in the ARCO-operated Empire Abo Unit Well No. 0-10 (formerly Pan American's U.S.A. Malco "G" Well No. 13). The subject well is located 2302' FSL and 1650' FWL, in Section 10, Township 18 South, Range 27 East, Eddy County, New Mexico. The Empire Abo Unit Well No. 0-10 was authorized to inject salt water into the Lower Yeso formation from approximately 3700 feet to approximately 3750 feet by Order No. SWD-48 on August 4, 1964. ARCO plans to enlarge the injection interval in the Lower Yeso formation from approximately 3694 feet to approximately 3865 feet in an effort to improve injectivity. A copy of Order No. SWD-48 is attached along with a copy of the log section indicating the current and proposed perforations.

If any additional information is needed, please contact me at (915) 688-5557 and I will be happy to provide it to you.

Yours very truly,

Jack T. Lowder

Jack T. Lowder
Senior Engineer

JTL:tis
Attachments

RECEIVED

FEB 24 1965

SUBJECT: SALT WATER DISPOSAL WELL

O. C. C.
ARTESIA, OFFICE

THE APPLICATION OF PAN AMERICAN
PETROLEUM CORPORATION FOR A SALT
WATER DISPOSAL WELL.

ORDER NO. SWD-48

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 701 (c) Pan American Petroleum Corporation made application to the New Mexico Oil Conservation Commission on July 20, 1964, for permission to complete for salt water disposal its U.S.A. Malco "G" Well No. 13 located in Unit K of Section 10, Township 18 South, Range 27 East, NMPM, Lea County, New Mexico.

The Secretary-Director finds:

- (1) That application has been duly filed under the provisions of Rule 701 (c) of the Commission Rules and Regulations.
- (2) That satisfactory information has been provided that all offset operators, surface owners and the New Mexico State Engineer Office have been duly notified; and
- (3) That the applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 (c) will be met.
- (4) That no objections have been received within the waiting period as prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant herein, Pan American Petroleum Corporation is hereby authorized to complete its U. S. A. Malco "G" Well No. 13 located in Unit K of Section 10, Township 18 South, Range 27 East, NMPM, ^{Lea} Lea County, New Mexico, in such a manner as to permit the injection of salt water into the Lower Yeso formation from approximately 3700 feet to approximately 3750 feet through tubing with packer set at approximately 3670 feet.

IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order, after Notice and Hearing the Commission may terminate the authority hereby granted in the interests of conservation. That applicant shall submit monthly reports of its disposal operation in accordance with Rules 704 and 1119 of the Commission Rules and Regulations.

APPROVED at Santa Fe, New Mexico, on this 4th day of August, 1964.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr.,
Secretary-Director

SEAL

3500

EAU Well # 0-10

Schlumberger

LL-GR-N

5-24-61

3600

3700

Proposed Perfs
3600

Current Perfs →

~~PADDOCH~~

PBTD
33900