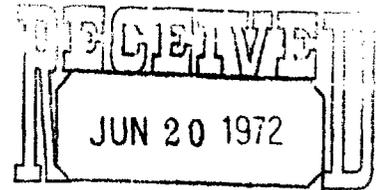




PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79760
PHILLIPS BUILDING, FOURTH & WASHINGTON

EXPLORATION & PRODUCTION DEPARTMENT
June 16, 1972



OIL CONSERVATION COMM.
Santa Fe

Reply to:
T. Harold McLemore
(915) 337-8611, Ext. 257

7-35: Vacuum Abo Unit, Tract 13
Well No. 2--Application to Convert to
Gas Injection Service--Vacuum Abo Reef
Field, Lea County, New Mexico

File: W2-Ed-408-72

PMX - 41
New July 10

New Mexico Oil Conservation Commission - 3
P. O. Box 2088
Santa Fe, New Mexico 87501
Attention: Mr. A. L. Porter, Secretary-Director

Gentlemen:

We respectfully request administrative approval for the conversion of Tract 13 Well No. 2 to gas injection service on our Vacuum Abo Unit (approved by Order No. R-3180) in the Vacuum Abo Reef Field. This request is made pursuant to provisions of Rule 10 of the Special Rules and Regulations for the Vacuum Abo pressure maintenance project (Orders Nos. R-3181 and R-3181-A).

The Vacuum Abo Unit Tract 13 Well No. 2 (D-4-18S-35E) is located within the current Project Area as outlined on the attached plat. It is proposed to simultaneously complete this well for gas injection down the casing/tubing annulus into the upper portion (8322-88') of the Abo Reef formation while maintaining oil production through the tubing from the lower portion (8650-8720') of the Abo Reef. This type completion is identical to that approved and utilized in the two wells currently injecting gas, namely Tract 13 Well No. 4 and Tract 10 Well No. 6. These completions have operated very satisfactorily since March, 1970, when gas injection was initiated into these wells in this pressure maintenance project.

We attach a Project Area plat reflecting offset operators, project producing wells, as well as current and proposed gas injection wells; a schematic drawing of the proposed gas injection well giving casing, completion data, and the proposed producing/gas injection equipment; copies of letters to offset operators advising of this application and requesting their waivers, and an electric log of the proposed injection well with pertinent data thereon.

Your early consideration of this proposal subject to the receipt of the requested waivers or of the 20-day protest waiting period will be appreciated.

Yours very truly,
PHILLIPS PETROLEUM COMPANY

F. F. Lovering, Manager
Southwestern District

HM:rm
Attach.

cc: New Mexico Oil Conservation Commission, Hobbs, New Mexico

Handwritten text at the top of the page, possibly a header or introductory paragraph.

Main body of handwritten text, consisting of several paragraphs.

Handwritten text at the bottom of the page, possibly a conclusion or signature area.

13-3/8" O.D., 48#, H-40,
casing set @ 301'.
Cement w/325 sx, circulated

8-5/8" O.D., 32#, J-55 casing
set @ 4986'.
Cement w/600 sx, circulated

Gas Injection Flow

Oil Production Flow

2-3/8" 4.7#, N-80 Tubing

Top Abo Reef 8312'

Gas Injection
Perforations 8322'-38' &
8352'-88'

Garrett Oil Tools circulating valve

Baker Model "FR" on-off sealing connector

Baker Model "D" 44-26 production packer
@ 8530'

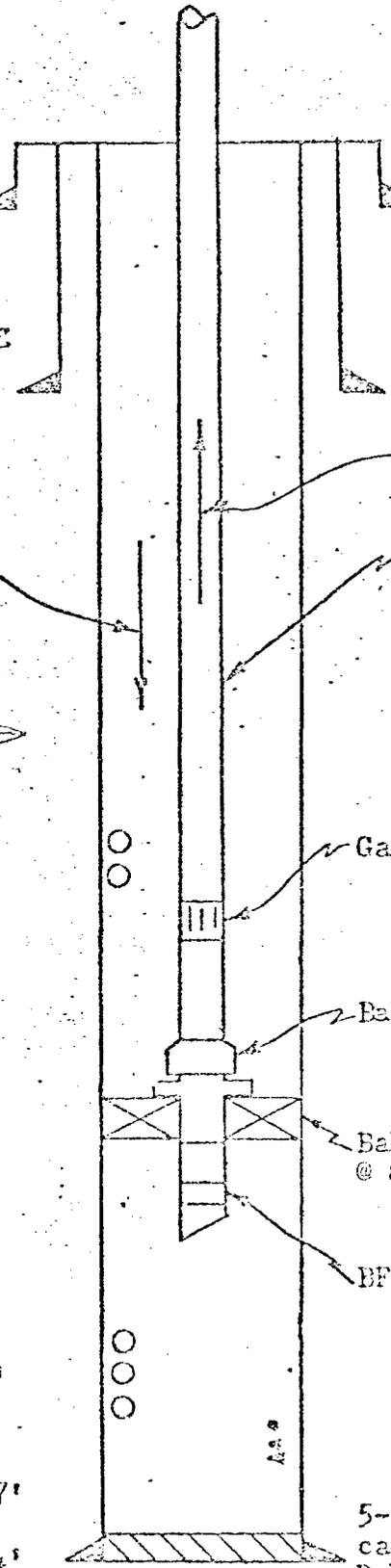
BFC Model "F" seat nipple

Producing
Perforations 8650'-8720'

P.B.T.D. 8907'

T.D. 8984'

5-1/2" O.D., 17#, N-80 and 15.5#, J-55
casing set @ 8979' cemented w/725 sacks,
D.V. tool @ 7458', T.O.C. above 5000' by
Cement Bond Log.



Phillips Petroleum Company

BARTLESVILLE, OKLAHOMA

Vacuum Abo Unit Well No. 13-2
Proposed Completion for Simultaneous Gas Injection
and Oil Production.

Loc: 1980' FNL, 660' FWL, Sec. 4, T-18-S, R-35-E,
Lea County, New Mexico.

DRAWN

KSP

2/17/72

AFF. NO.

DWG. NO.



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79760
PHILLIPS BUILDING, FOURTH & WASHINGTON

EXPLORATION & PRODUCTION DEPARTMENT

June 16, 1972

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T. Harold McLemore
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7-35: Vacuum Abo Unit, Tract 13
Well No. 2--Application to Convert to
Gas Injection Service--Vacuum Abo Reef
Field, Lea County, New Mexico

File: W2-Ed-407-72

Atlantic-Richfield Company
P. O. Box 1610
Midland, Texas 79701 ✓

Aztec Oil and Gas Company
P. O. Box 837
Hobbs, New Mexico 88240

Chevron Oil Company ✓
P. O. Box 1660
Midland, Texas 79701

Humble Oil and Refining Company
P. O. Box 1600
Midland, Texas 79701 ✓

Gentlemen:

We respectfully request your waiver of objections to our proposal before the Oil Conservation Commission of New Mexico to convert our Vacuum Abo Unit, Tract 13 Well No. 2 to gas injection service as provided by Rule 10 of Special NMOCC Orders Nos. R-3181 and R-3181-A. The Vacuum Abo Unit, Tract 13 Well No. 2 (D-4-18S-35E) is located within the current Project Area. We propose to simultaneously complete this well for gas injection down the casing/tubing annulus into the upper portion (8322-88') of the Abo Reef formation while maintaining oil production through the tubing from the lower portion (8650-8720') of the Abo Reef. This type completion is identical to that approved and utilized in the two wells currently injecting gas, namely, Tract 13 Well No. 4 and Tract 10 Well No. 6. These completions have operated very satisfactorily since March, 1970, when gas injection was initiated into these wells in this pressure maintenance project.

Our records reflect that you are the operator of property offsetting this proposed injection well. Therefore, your waiver of objections by the execution hereof in the space provided will be appreciated. Kindly mail the copies as indicated in their enclosed self-addressed and stamped envelopes.

Your early consideration will be appreciated.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

F. F. Lovering
F. F. Lovering, Manager
Southwestern District

HM:rm
Attach.

cc: New Mexico Oil Conservation Commission - (3), Santa Fe, New Mexico
- (1), Hobbs, New Mexico

Objections Waived: _____, Offset Operator

By: _____
Date: _____

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE



PHILLIPS PETROLEUM COMPANY CONSERVATION COMM.
 ODESSA, TEXAS 79760
 PHILLIPS BUILDING, FOURTH & WASHINGTON
 Santa Fe

RECEIVED
 JUN 2 1972

EXPLORATION & PRODUCTION DEPARTMENT
 June 16, 1972

Reply to:
 T. Harold McLemore
 (915) 337-8611, Ext. 257

7-35: Vacuum Abo Unit, Tract 13
 Well No. 2--Application to Convert to
 Gas Injection Service--Vacuum Abo Reef
Field, Lea County, New Mexico

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Atlantic-Richfield Company
 P. O. Box 1610
 Midland, Texas 79701

Aztec Oil and Gas Company
 P. O. Box 837
 Hobbs, New Mexico 88240

Chevron Oil Company
 P. O. Box 1660
 Midland, Texas 79701

Humble Oil and Refining Company
 P. O. Box 1600
 Midland, Texas 79701

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F. F. Lovering
 F. F. Lovering, Manager
 Southwestern District

HM:rm
 Attach.

cc: New Mexico Oil Conservation Commission - (3), Santa Fe, New Mexico
 - (1), Hobbs, New Mexico

Objections Waived: _____, Offset Operator

By: *W. P. Tomlinson*
 Date: _____

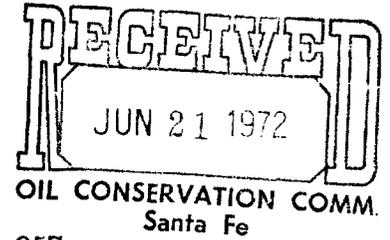


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ODESSA, TEXAS 79760
PHILLIPS BUILDING, FOURTH & WASHINGTON

EXPLORATION & PRODUCTION DEPARTMENT

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PHILLIPS PETROLEUM COMPANY

F. F. Lovering
F. F. Lovering, Manager
Southwestern District

HM:rm
Attach.

cc: New Mexico Oil Conservation Commission - (3), Santa Fe, New Mexico
- (1), Hobbs, New Mexico

Objections Waived: Aztec Oil & Gas Co, Offset Operator

By: RL DURE
Date: 6-20-72