

A - 405

SIPES, WILLIAMSON & AYCOCK, INC.

CONSULTING ENGINEERS

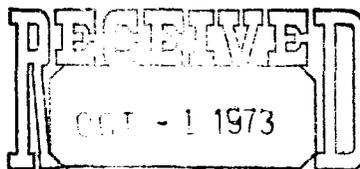
Midland, Texas

September 27, 1973

1100 GHILS TOWER WEST
MIDLAND, TEXAS 79701
915 683-1841

800 MAIN BUILDING
HOUSTON, TEXAS 77002
713 228-8146

New Mexico Oil Conservation Commission
State Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87501



OIL CONSERVATION COMM.
Santa Fe

Attention: Mr. D. S. Nutter
Chief Engineer

Gentlemen:

Subject: Application of Tamarack Petroleum Company, Inc.
For a Waterflood Unit - Bronco (Wolfcamp) Pool
Lea County, New Mexico

The subject Unit Agreement was approved by the Oil Conservation Commission of New Mexico in Case No. 4959, Order No. R-4529. The Unit became effective on June 1, 1973. No injection well conversions have been made to date. In the interim period since approval of the Unit, changes in well producing characteristics have dictated the need for a change in the location of two of the injection wells. The change in the injection pattern will reduce the amount of oil producing rate loss caused by injection well conversions and will not affect the amount of expected secondary oil recovery. The following tabulation shows the presently approved injection wells and the requested substitute injection wells.

Presently Approved Injection Wells to be Retained as Producing Wells:

- Tamarack - Lipscomb Estate "Harris" No. 1
- Tamarack - Harris No. 1

Requested Injection Wells:

- Tamarack - Harris "A" No. 1
- Tamarack - Harris No. 2

The attached Exhibit 1 is a plat of the unit area showing the presently approved injection wells and the requested substitute injection wells. Exhibits 2 and 3 are schematic diagrams showing the down-hole conditions for the newly requested injection wells. A corrosion inhibited fluid will be placed in the annular space above the packer and a surface pressure gauge will be installed to measure the casing pressure.

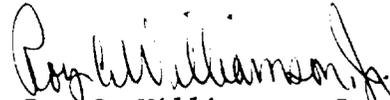
New Mexico Oil Conservation Commission
Mr. D. S. Nutter
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Other conditions and projected performance of the Unit remain as previously presented.

Please advise me if you need additional data. Thank you for your consideration.

Yours very truly,

SIPES, WILLIAMSON & AYCOCK, INC.



Roy C. Williamson, Jr., P. E.
Constant for Tamarack Petroleum Company, Inc.

/lm

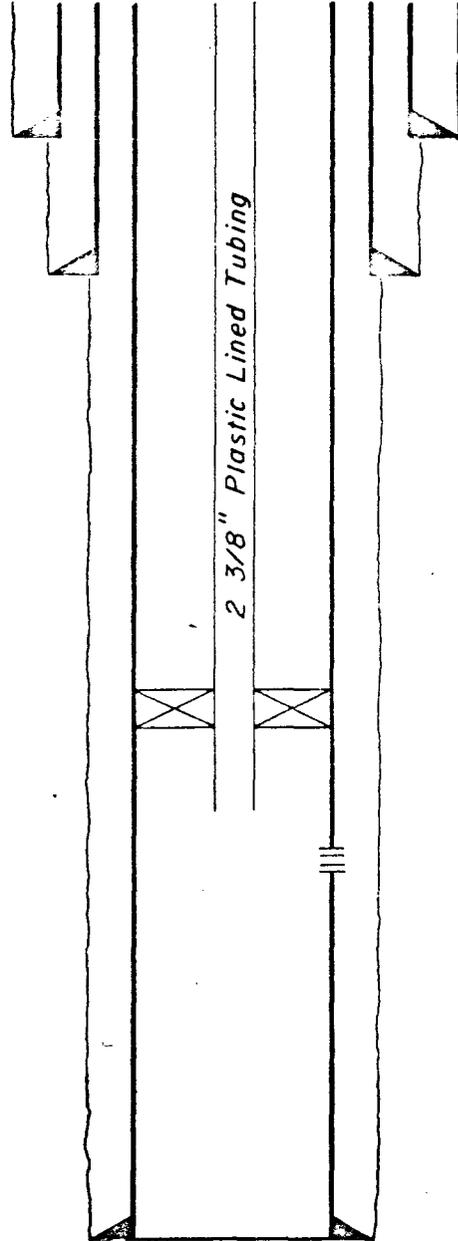
attachments

cc Tamarack Petroleum Company, Inc.

Tamarack — No. 2
Harris
(2 K 13-38)

13 3/8" at 325'
with 300 sx.

8 5/8" at 4601'
with 300 sx.



Set Packer at 9008'

Perfs. 9058' - 9100'

5 1/2" at 9142'
with 345 sx.

T.D. 9142'

EXHIBIT 2

INJECTION WELL

BRONCO (WOLFCAMP) UNIT

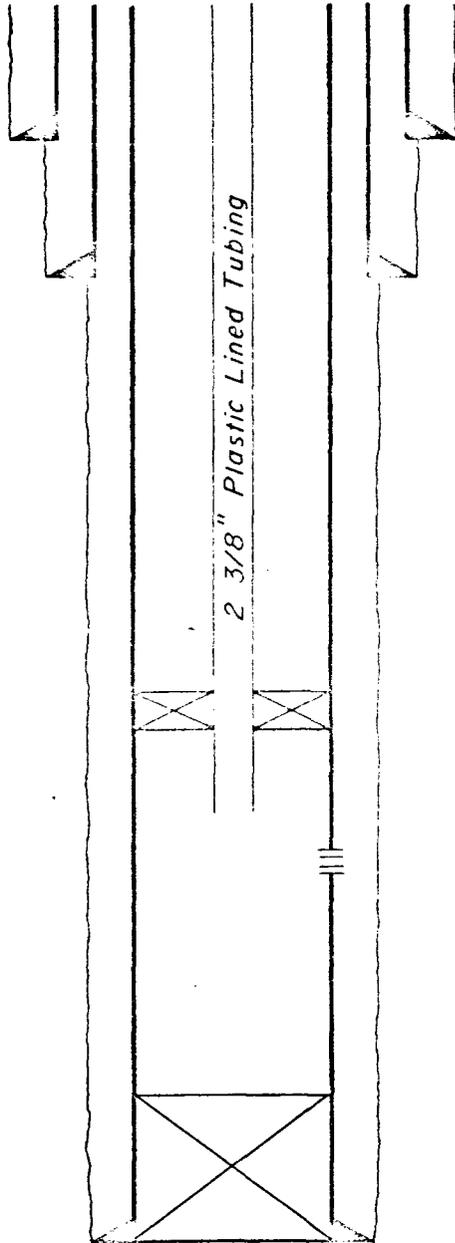
BRONCO (Wolfcamp) FIELD

LEA COUNTY, NEW MEXICO

Tamarack — No. 1
Harris "A"
(2 B 13-38)

13 3/8" at 1344'
with 325 sx.

8 5/8" at 4650'
with 350 sx.



Set Packer at 8964'

Perfs. 9014'-9070'

P.B. 9102'

T.D. 11,874'

5 1/2" at 11,874'
with 505 sx.

EXHIBIT 3

INJECTION WELL
BRONCO (WOLFCAMP) UNIT
BRONCO (Wolfcamp) FIELD
LEA COUNTY, NEW MEXICO