



00204010

WALSH PRODUCTION, INC.

P.O. BOX 30
PHONE 303-522-1839
STERLING, COLORADO 80751

October 16, 1989

Colorado Oil & Gas Conservation Commission
1580 Logan Street, Suite 380
Denver, Colorado 80203

RE: Water Disposal Well Application
Colorado State A-1
SWNE 29-T7N-R53W
Logan County, Colorado

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OCT 18, 1989
COLO. OIL & GAS CONSERV. COMM.

Gentlemen:

As provided in Rule 326, Walsh Production, Inc. respectfully submits this application for authority to commence the underground disposal of water into the captioned well and request this matter be set for public hearing at the earliest possible date.

Relative to this application we submit the following as required in Rule 326:

1. A. A plat showing the location of the proposed water disposal well and the location of all oil and gas wells, abandoned wells and dry holes within 1/4 mile of the proposed water disposal well is attached as Exhibit "A".
B. A plat showing the four separate tracts that lie within 1/4 mile of the proposed water disposal well is attached as Exhibit "B".
C. A list of all the owners, surface, mineral and working interest is attached as Exhibit "B-1".
D. No remedial work is anticipated for any well penetrating the injection zone within 1/4 mile of the proposed water disposal well.
2. Water will be disposed of in the J sand formation which is perfed from 4696' - 4711'. There are no underground sources of drinking water that will be affected by this proposed operation.
3. A resistivity log for the captioned well is attached as Exhibit "E".
4. A. Surface casing is 10 3/4", 32.75#/ft, set to 180' with 150 sks cement - cement from 180' to surface.
B. Production casing is 7", 23#/ft, set to 4745' with 155 sks cement, 35 sks Strata-Crete. A temperature survey was run following the cementing of production casing. The indicated top of cement was 3163' KB (Attachment "E-1"), resulting in approximately 1533' of cement above the perfs.
C. Schematic of the downhole system is attached as Exhibit "C".
D. Schematic of the injection system is attached as Exhibit "D".

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OCT 18 1989



October 16, 1989
Colorado State A-1 Application
Page 2

COLORADO OIL & GAS CONS. COMM.

- 27322
5. A. The water to be disposed of will be produced from the "J" sand formation in the State A-2 and State A-3 wells located in the NENENE 29-T7N-R53W and SWSESE 20-T7N-R53W respectively, and operated by Walsh Production, Inc. The source wells and proposed disposal well are located on the same lease.
 - B. A water analysis for the State A-2 and State A-3 (source wells) is attached as Exhibit "G" and Exhibit "G-1".
 - C. The State A-1 (proposed disposal well) is perforated and completed in the J sand and is a common reservoir with the State A-2 and State A-3 wells.
 6. No stimulation of the proposed water disposal well is planned.
 7. The estimated minimum amount of water to be injected will be -0- barrels of water per day at 0 psi and the maximum amount will be 1000 barrels of water per day at 800 psi. The calculated fracture pressure of the disposal formation is .65 psi/ft or 3052 lbs.
 8. A. Names and addresses of owners of record is attached as Exhibit "B-1".
 - B. A mechanical integrity test, in accordance with Rule 327, will be conducted prior to formal approval of this application.
 - C. Only one disposal well is anticipated at this time.
 - D. Walsh Production, Inc. is the operator of both the proposed water disposal well and the source wells.
 - E. Attached as Exhibit "H" is the notice sent to or delivered to each owner or record within 1/4 mile of the proposed water disposal well. Walsh Production, Inc. certifies that it sent by certified mail or delivered said notice to each owner of record on September 25, 1989. Copies of the certified mail receipts are attached as Exhibit "I".

Sincerely,

Walsh Production, Inc.

by: William M. Walsh
William M. Walsh

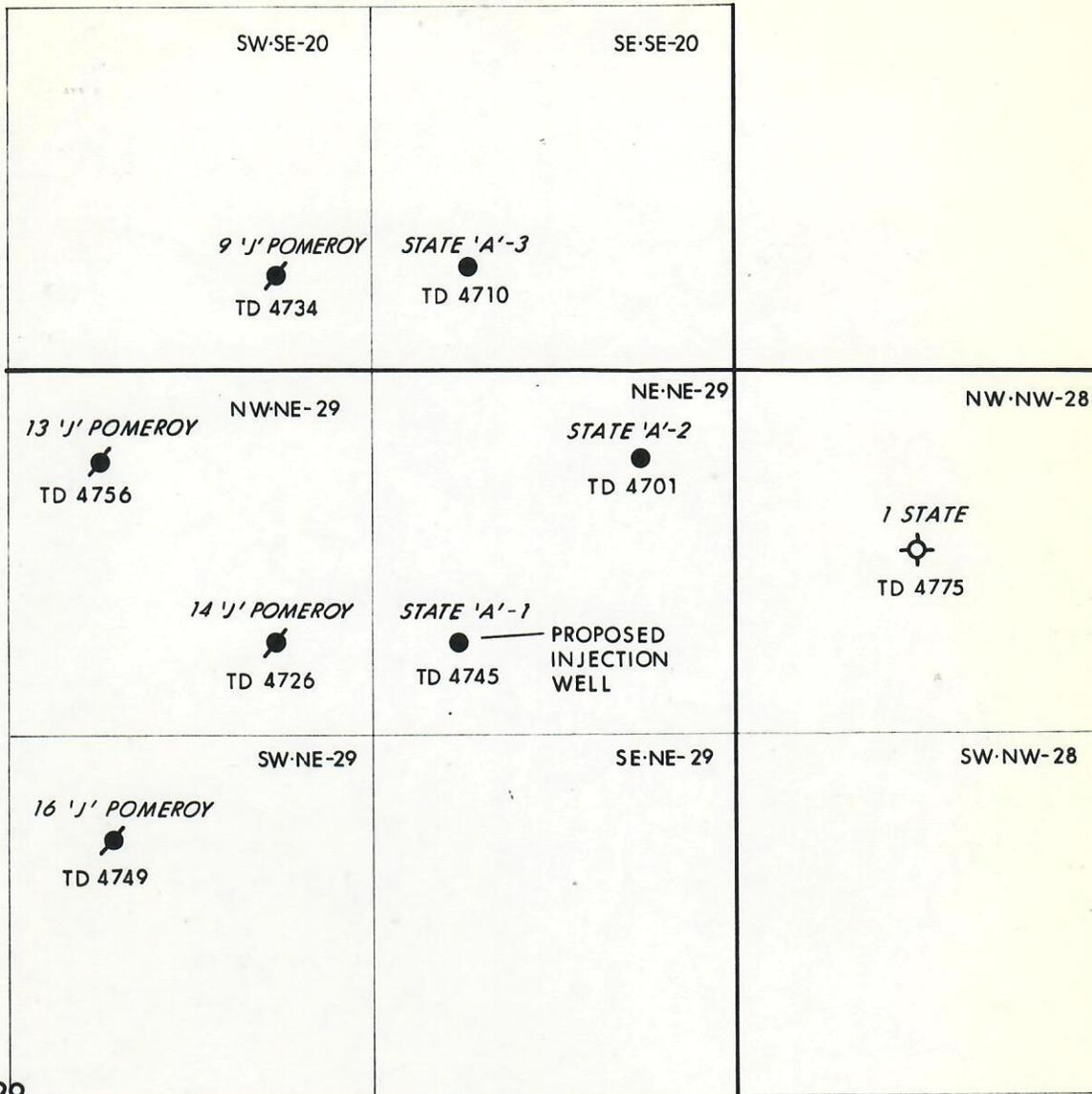
WMW:dm

Attachments



R 53 W

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7
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PLAT SCALE: 1"=660'

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WALSH PRODUCTION, INC.

**COLORADO STATE A-1
WATER DISPOSAL WELL**

BASE MAP WITH WELLS
EXHIBIT "A"

EXHIBIT "B-1"

STATE A #1

SWNE 29-7N-53W

Logan County, Colorado

1. W/2NW/4-28 State of Colorado (Surface and Minerals)
Unleased

2. SE/4SE/4-20 State of Colorado (Surface and Minerals)
E/2NE/4-29 Leased: 3 Working Interest Owners
Frank H. Walsh
P. O. Box 30
Sterling, CO 80751

Patrick H. Welder
P. O. Box 1160
Victoria, TX 77902

Estate of H. C. Robinson
3355 W. Alabama, Suite 980
Houston, TX 77098

3. SW/4SE/4-20 Kenneth E. Pomeroy (Surface and Part Minerals)
NW/4NE/4-29 Route 1, Box 154
Merino, CO 80741
Unleased

The Travelers Insurance Company (Part Minerals)
P. O. Box 17480
Denver, CO 80217-0480
Unleased

4. SW/4NE/4-29 Perry J. Pomeroy and (Surface and Minerals)
Donna D. Pomeroy
7666 County Road 27.5
Merino, CO 80741
Unleased

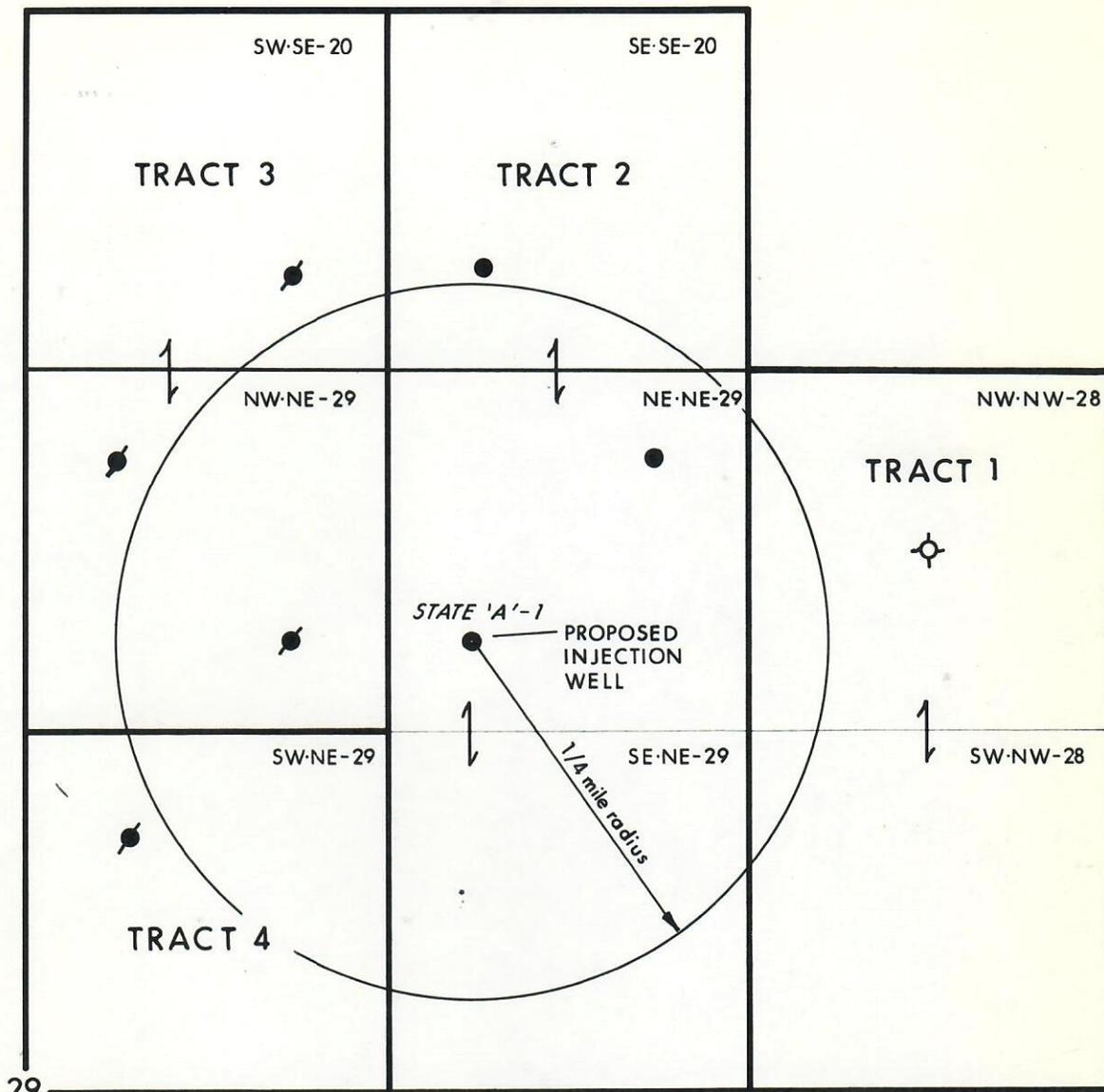
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R 53 W

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PLAT SCALE: 1" = 660'

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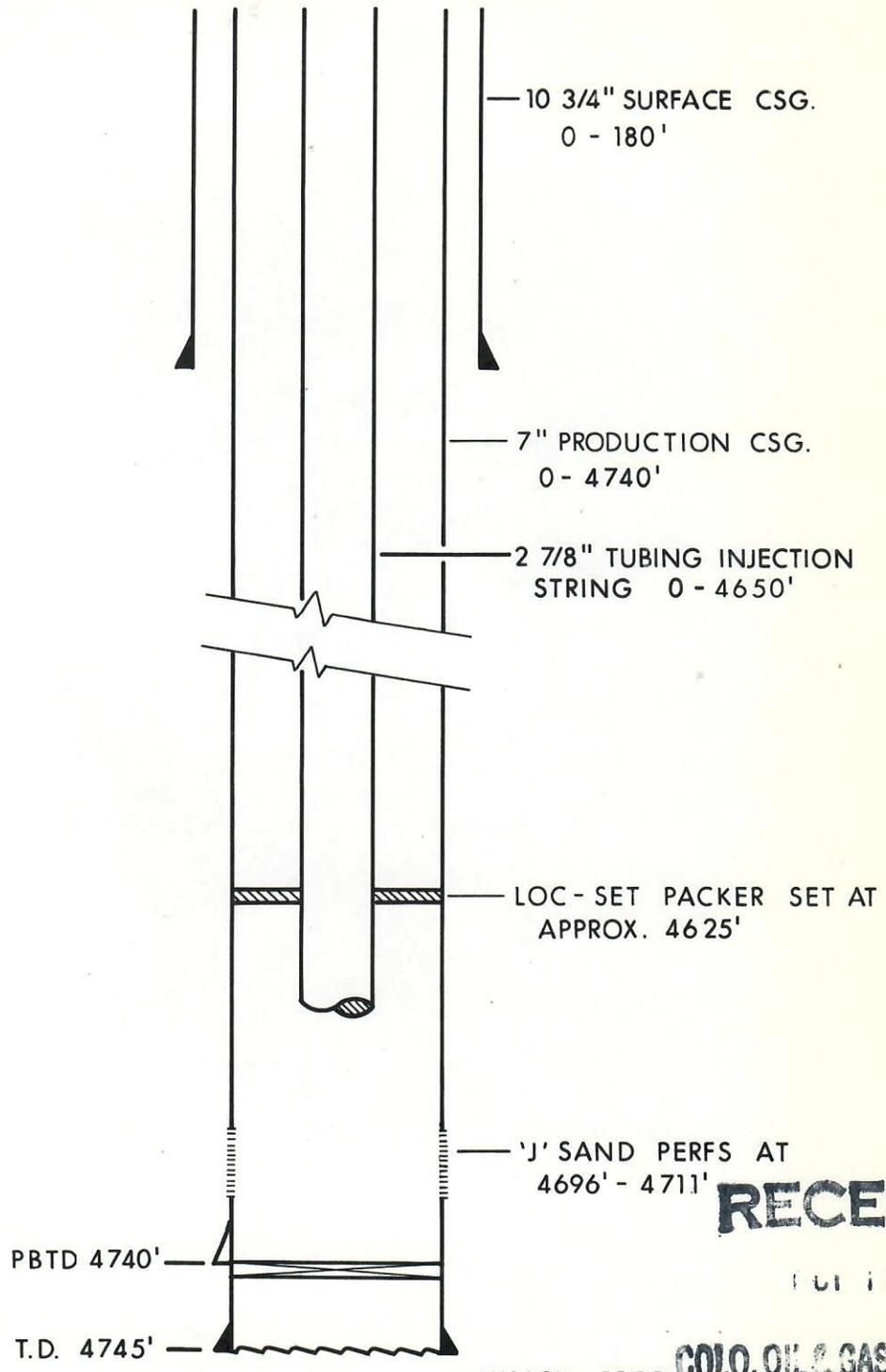
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**COLORADO STATE A - 1
WATER DISPOSAL WELL**

TRACT MAP
EXHIBIT "B"

SW-NE-NE - SEC. 29 - T 7 N - R 53 W
LOGAN COUNTY, COLORADO



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COLORADO STATE A-1 WATER DISPOSAL WELL

SCHEMATIC OF DOWNHOLE SYSTEM

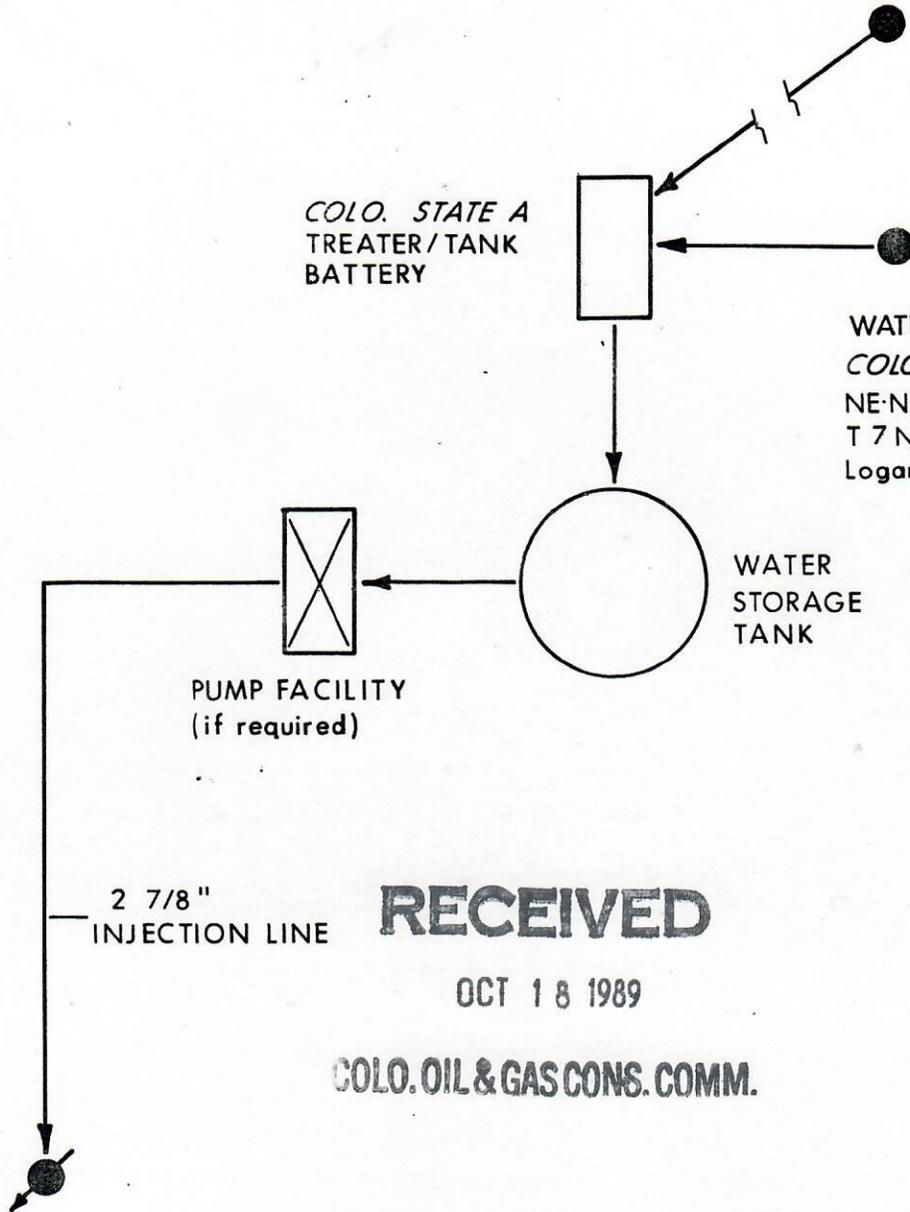
EXHIBIT "C"



WATER Source:
COLO. STATE A-3
SW-SE-SE-SEC. 20-
T 7 N - R 53 W
Logan Co., Colo.

COLO. STATE A
TREATER/TANK
BATTERY

WATER SOURCE:
COLO. STATE A-2
NE-NE-NE-SEC. 29-
T 7 N - R 53 W
Logan Co., Colo.



WATER
STORAGE
TANK

PUMP FACILITY
(if required)

2 7/8"
INJECTION LINE

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PROPOSED WATER INJECTION/
DISPOSAL WELL
COLO. STATE A-1
SW-NE-NE-SEC. 29-
T 7 N - R 53 W
Logan Co., Colo.

WALSH PRODUCTION, INC.

COLORADO STATE A-1 WATER DISPOSAL WELL

SCHEMATIC OF INJECTION SYSTEM

EXHIBIT "D"