

January 3, 1980

Conversion to Water Injection Service--  
East Vacuum Grayburg-San Andres Unit  
Tract No. 2963, Well No. 004  
~~East~~ Vacuum Grayburg-San Andres Pool  
Lea County, New Mexico

New Mexico Department of Energy and Minerals (3)  
Oil Conservation Division  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey  
Division Director

Gentlemen:

We respectfully request administrative approval of expansion PMX 75, as provided by Order No. R5897, Rule No. 9, for the East Vacuum Unit pressure maintenance project, to convert the East Vacuum Grayburg-San Andres Unit, Tract 2963, Well No. 004, to water injection service. The following data is submitted in support of this request.

1. Unit plat reflecting the proposed injection well and injection well project area. (Well: Unit M, 29, 17-S, 35-E.)
2. Compensated Neutron-Formation Density sonic log of the injection well.
3. Diagrammatic sketch of the proposed well, injection tubing, packer, and pressure control elements identifying the San Andres perforated injection interval.
4. The name of the injection formation is San Andres with injection to be into the interval 4371 to 4364 feet. Injection will be by gravity with an anticipated maximum of 500 barrels of produced Grayburg-San Andres water per day.

Your consideration and early advice will be appreciated.

Very truly yours,

  
T. Harold McLemore  
Area Regulation and Proration Analyst

THM/jj  
Attachments

cc: Oil Conservation Division  
Hobbs, New Mexico (Attachments w/o CNFD log)

# PHILLIPS PETROLEUM COMPANY

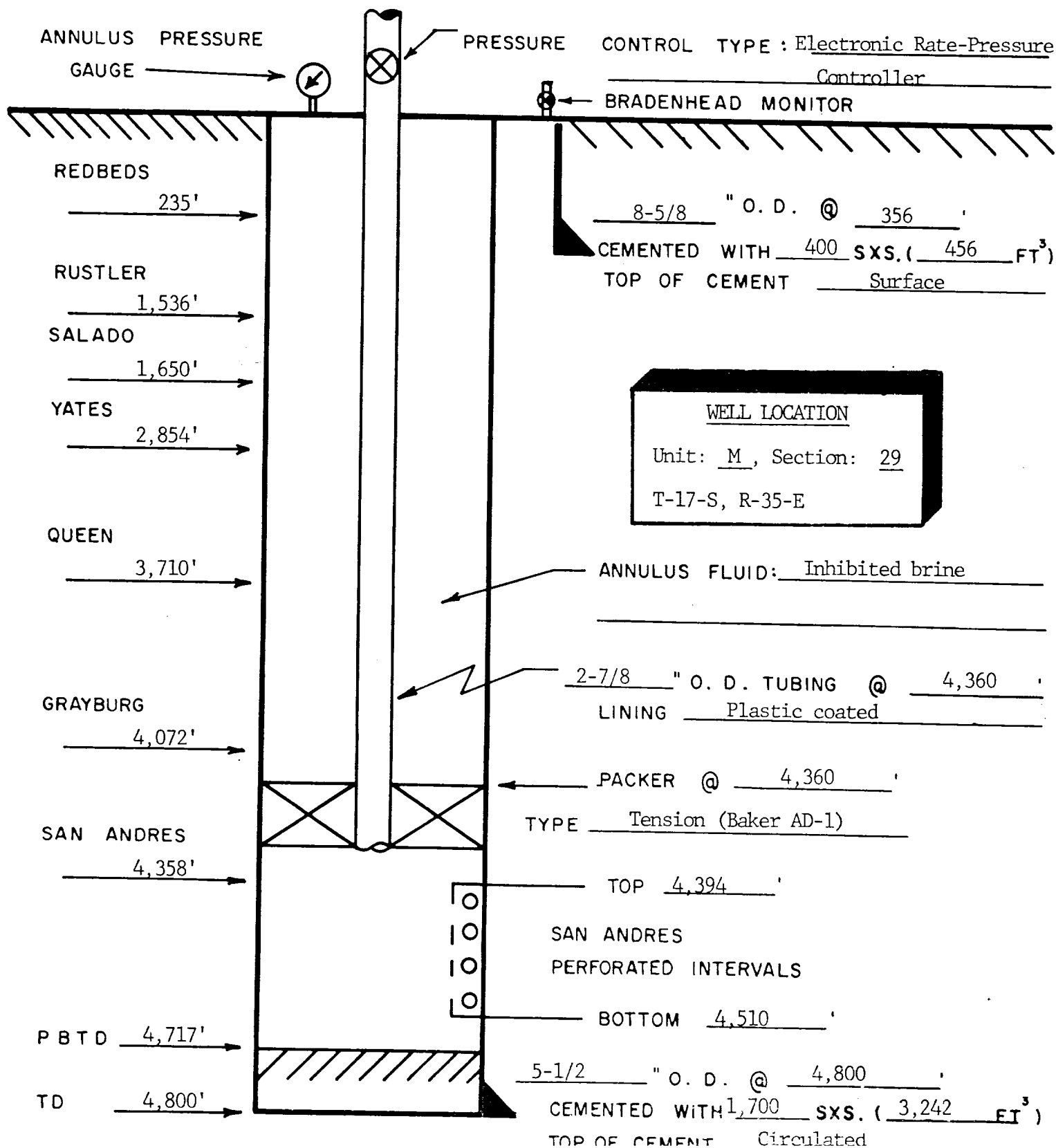
## EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

N. M. O. C. D. R - 5897

VACUUM GRAYBURG - SAN ANDRES POOL, LEA COUNTY, NEW MEXICO

TRACT 2963 WELL 004

CONVERSION TO WATER INJECTION STATUS



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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

API NO. 30-025-26398

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
SEE MAPS FOR PERMIT - "M" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

Name of Operator

Phillips Petroleum Company

Address of Operator

Room 401, 4001 Penbrook, Odessa, TX 79762

Location of Well

UNIT LETTER M, 1310 FEET FROM THE West LINE AND 100 FEET FROM  
THE South LINE, SECTION 29 TOWNSHIP 17-S RANGE 35-E N.M.P.M.

5a. Indicate Type of Lease

State ☒ Fee ☐

5. State Oil & Gas Lease No.

B-2433-12

7. Unit Agreement Name

East Vacuum Gb/SA Unit

8. Form or Lease Name

East Vacuum Gb/SA Unit,  
Tract 2963

9. Well No.

004

10. Field and Pool, or Wildcat

Vacuum Gb/SA

15. Elevation (Show whether DF, RT, GR, etc.)

GL 3970.5'

12. County

Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐  
CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☒  
CASING TEST AND CEMENT JOB ☒  
OTHER Total Depth ☒

ALTERING CASING ☐  
PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

10-12-79 MI Marc Drlg Co. Spudded 11" hole drld to 355'. Ran 9 jts 8-5/8", 24#, K-55 ST&C csg set at 356. Cmt w/300 sxs Cl "H", 2% CaCl<sub>2</sub>, 1/4#/sx Flocele. Cmt did not circ. Top out w/1-1/2 yds gravel and 100 sxs Cl "H", +2% CaCl<sub>2</sub>. Temp cmt 65 degrees, est. formation temp zone 65 degrees, est. cmt strength 2500 psi, cmt in place prior to test 15.37 hrs.

10-13-79 Test csg and blind rams--O.K. Drld out cmt and 30' formation. Drld ahead w/7-7/8" hole.

10-24-79 Reached TD 4800'. Logging.

10-26-79 Ran 5-1/2", 17#, N80 csg set at 4800' cmt w/1,200 sxs TLW, 12# salt, 10% DD, 1/4# Flocele, 3# Gilsonite + 400 sxs Cl "H", 8# salt sx. Disp plug to 4765'. Cmt did not circ, ran 300', 1" cmt outside csg w/100 sxs Cl "H", 2% CaCl. Circ to surface.

10-27-79 Released rig prep to perf.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED W. J. Mueller

TITLE Senior Engineering Specialist DATE 11-1-79

Orig. Signed by  
John Runyan  
Geologist

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NOV 5 1979