



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

May 27, 1981

Conversion to Water Injection Service-
East Vacuum Grayburg/San Andres Unit
Tract 2672, Well No. 001
Lea County, New Mexico

New Mexico Department of Energy and Minerals (3)
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey
Division Director

Gentlemen:

We respectfully request administrative approval of expansion of waterflood pressure maintenance project, as provided by Order No. R-5897, Rule No. 9, for the East Vacuum Grayburg/San Andres Unit, Tract 2672, Well No. 001 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 (Unit A, Section 26, T-17-S, R-35-E).
2. Borehole Compensated Sonic log of the injection well.
3. Diagramatic 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 respective well interval 4540' to 4720'. The maximum anticipated injection pressure will be no more than 0.2 psi per foot to the top of the perforations with a maximum daily volume anticipated at 2500 bbls.

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By copy hereof, respective offset operators are notified of this application. Their waivers of objection are requested.

Your consideration and early advice will be appreciated.

Yours very truly,



T. Harold McLemore
Regulations and Proration Supervisor

SKN:gr
Attachments

cc: Oil Conservation Division, Hobbs, NM (Attachments w/o logs)
Cities Service Company, Box 1919, Midland, TX 79702
(Attachments w/o logs)
Shell Oil Company, Box 576, Entex Bldg. 1200 Milam, Houston,
TX 77001 (Attachments w/o logs)

PHILLIPS PETROLEUM COMPANY

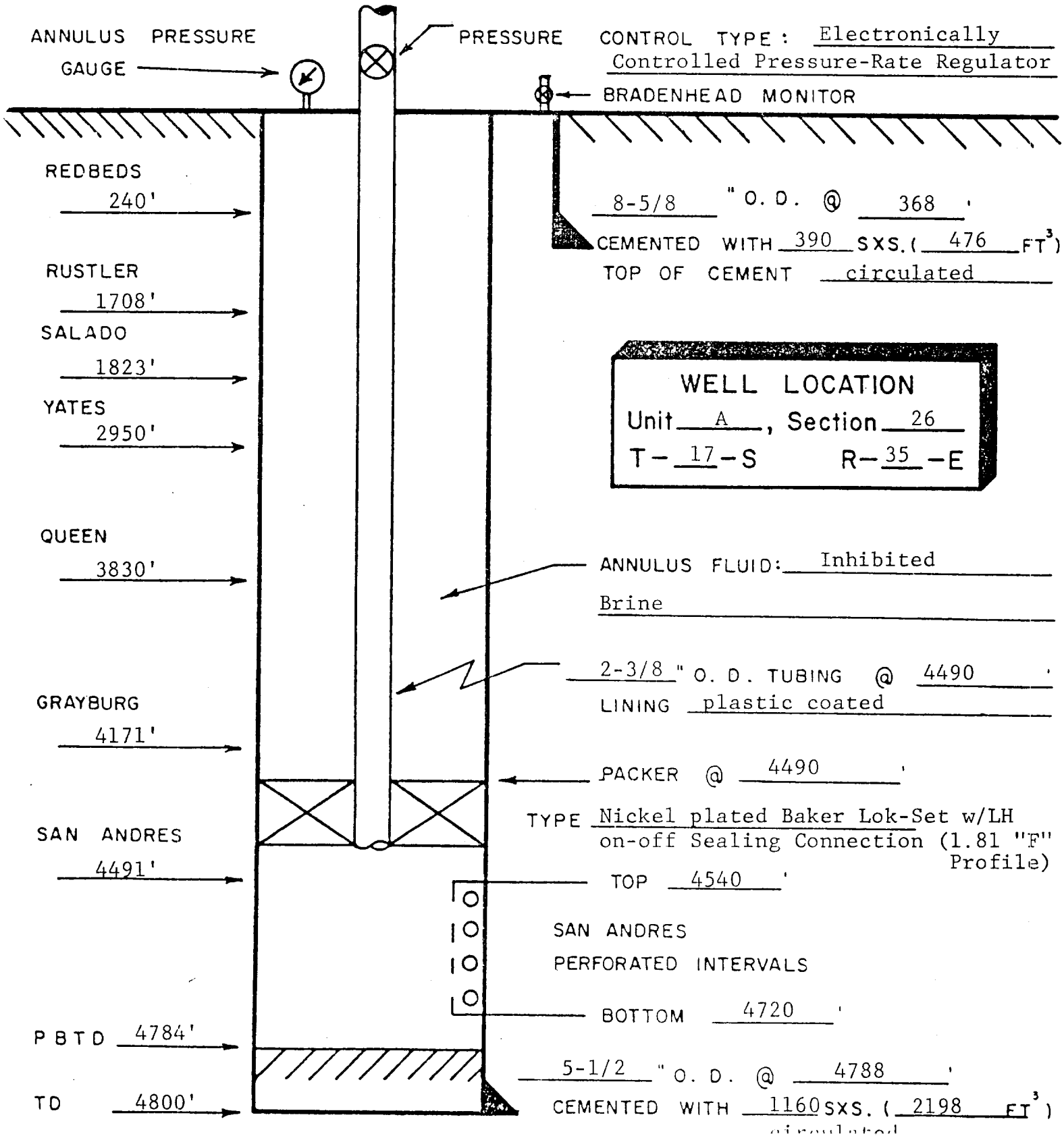
EAST VACUUM UNIT PRESSURE MAINTENANCE PROJECT

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

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

TRACT 2672 WELL 001

CONVERSION TO WATER INJECTION STATUS



OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-73

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API No. 30-025-27295

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. B-2735
7. Unit Agreement Name Vacuum Gb/SA Unit East
8. Farm or Lease Name East Vacuum Gb/SA Unit Tract
9. Well No. 001 2672
10. Field and Pool, or Wildcat Vacuum Gb/SA
12. County Lea

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. USE "APPLICATION FOR PERMIT ..." (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	OTHER- Water Injection
Name of Operator Phillips Petroleum Company		
Address of Operator Room 401, 4001 Penbrook, Odessa, Texas, 79762		
Location of Well UNIT LETTER A 1175' FEET FROM THE North LINE AND 50 FEET FROM THE East LINE, SECTION 26 TOWNSHIP T-17-S RANGE R-35-E NMPM.		

15. Elevation (Show whether DF, RT, GR, etc.)
3972.5'

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

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
REPAIR OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>
Total Depth <input checked="" type="checkbox"/>	

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.

- 3-3-81: Cactus Drlg. spud w/12-1/4" bit to 374'. Howco ran 8-5/8", 24#, K-55 Csg. set at 368'. Cmt. w/400 sxs C1 "C" w/2% CaCl₂, 1/4# sx Flocele; circd 10 sxs cmt. Tested csg. 14 hrs. after plug down. Temp. of cmt. 55°; Formation temp. in zone, 65°; estimated strength of cmt. at time of csg. test, 800 psi; Cmt. in place 14 hrs. prior to test. Tested csg. and BOP to 1,000#; OK. Drld. ahead w/7-7/8" bit.
- 3-4/3-16-81: Reached TD of 4800'. Ran logs. Ran 5-1/2", 17#, K-55 csg. set at 4788'. Cmt. w/850 sxs TLW followed by 400 sxs C1 "C". Circd 90 sxs to surface.
- 3-17-81: Released Rig; Prep to complete.

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

SIGNED W. J. Mueller TITLE Sr. Engineering Specialist

DATE March 24, 1981

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

:ehg