Release 11-15-93

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

WFX

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☐ Secondary Recovery ☒ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no

II. Operator: Phillips Petroleum Company

Address: 4001 Penbrook St., Odessa, Texas 79762

Contact party: Jim Stevens Phone: 915/368-1376

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ☒ yes ☐ no
If yes, give the Division order number authorizing the project R-6856.

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: L. M. Sanders Title Supv. Reg. Affairs

Signature: L. M. Sanders Date: 10/20/93

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. October 25, 1978, Case 6367 (Order No. R-5897-Approved 1-16-79) amended 11-19-81, Case #7426 (Order No. R-6856-approved 12-16-81) & amended 1-11-90

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells:

(3) the formation name and depth with expected maximum injection rates and pressures; and

(4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: Phillips Petroleum Co. Well: East Vacuum Grayburg San Andres

Contact: Tim Stevens Title: Eng. Phone: 915-368-1376

DATE IN 10-25-93 RELEASE DATE 11-15-93 DATE OUT _____

Proposed Injection Application is for: Y WATERFLOOD Y Expansion ___ Initial

Original Order: R- 6856 X Secondary Recovery ___ Pressure Maintenance

SENSITIVE AREAS ___ SALT WATER DISPOSAL

___WIPP ___ Capitan Reef ___ Commercial Operation

Data is complete for proposed well(s)? yes Additional Data _____

AREA of REVIEW WELLS

17 Total # of AOR 1 # of Plugged Wells

yes Tabulation Complete yes Schematics of P & A's

yes Cement Tops Adequate ___ AOR Repair Required

INJECTION INFORMATION

Injection Formation(s) Grayburg / San Andres

Source of Water same Compatible ✓

PROOF OF NOTICE

Y Copy of Legal Notice Y Information Printed Correctly

Y Correct Operators Y Copies of Certified Mail Receipts

___ Objection Received ___ Set to Hearing _____ Date

NOTES: _____

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL yes

COMMUNICATION WITH CONTACT PERSON:

1st Contact: X Telephoned ___ Letter 11-16-93 Date Nature of Discussion Larger scale map.

2nd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

3rd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

EAST VACUUM GRAYBURG SAN ANDRES UNIT

ATTACHMENT III TO FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT

PROPOSED CONVERTED PRODUCERS TO INJECTION WELLS

Tract & Well No.	API Number	Unit	Sec-Tn-Rg			Footage	Well Status
3202-001	3002526227	I	32	17S	35E	1330 FSL, 1310 FEL	GBSA PROD
3315-001	3002508537	I	33	17S	35E	1980 FSL, 660 FEL	GBSA PROD
3202-033	3002523903	B	32	17S	35E	990 FNL, 2306 FEL	GBSA PROD
0524-129	3002524906	E	5	18S	35E	1650 FNL, 990 FWL	SI PROD
3333-002	3002502982	F	33	17S	35E	1980 FNL, 1980 FWL	GBSA PROD

PHILLIPS PET
EVGSAU 3202-001
API# 3002526227

0 - 360' CEMENT 675 sx

0 - 360' 13.375" OD SURF CSG

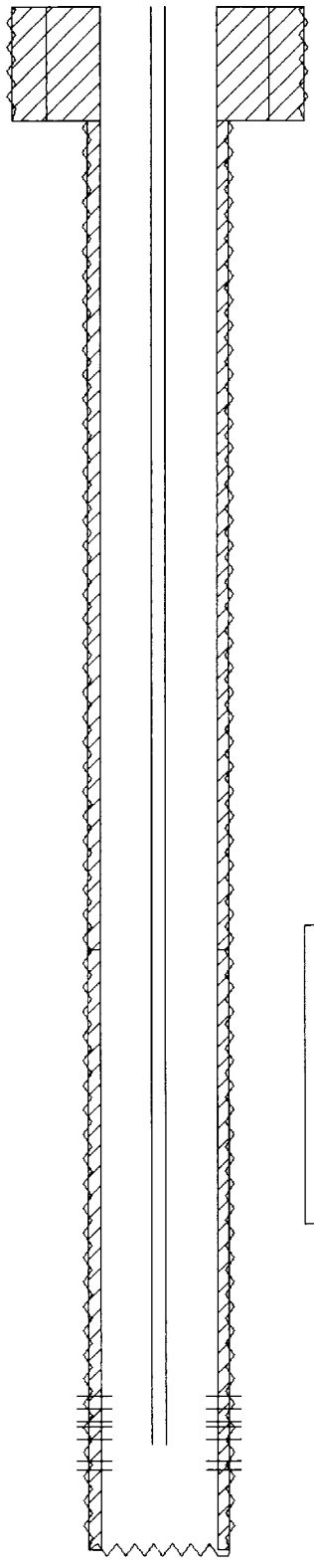
0 - 360' 17.5 " OD HOLE

0 - 2980' CEMENT

0 - 4550' 2.375" OD TBG

0 - 4883' CEMENT 350 sx

2980 - 2980' DVTOOL



1330 FSL & 1310 FEL
SEC 32 , TWN 17 S, RANGE 35 E
ELEVATION: 3966 KB
SPUD DATE: 05-18-79
COMPLETION DATE: 06-19-79

4363 - 4474' PERFS
4491 - 4532' PERFS
4596 - 4602' PERFS
4625 - 4628' PERFS

0 - 4883' 7" OD PROD CSG

360 - 4883' 8.5 " OD HOLE

PBTD: 4822'

TD: 4900'

PHILLIPS PET
EVGSAU 3202-001
API# 3002526227

0 - 360' CEMENT 675 sx

0 - 360' 13.375" OD SURF CSG

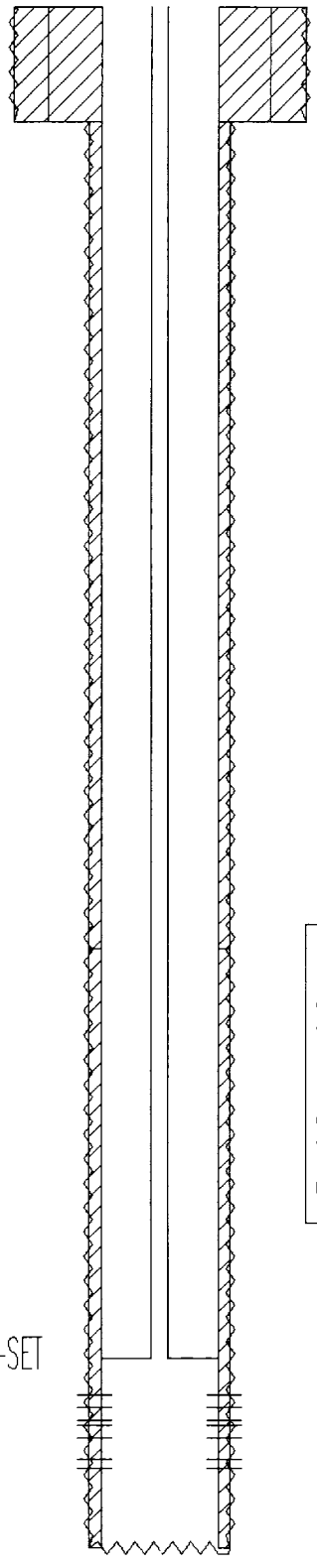
0 - 360' 17.5 " OD HOLE

0 - 2980' CEMENT

0 - 4280' 2.875" OD TBG

0 - 4883' CEMENT 350 sx

2980 - 2980' DVTOOL



1330 FSL & 1310 FEL
SEC 32 , TWN 17 S, RANGE 35 E
ELEVATION: 3966 KB
SPUD DATE: 05-18-79
COMPLETION DATE: 06-19-79

4363 - 4474' PERFS
4491 - 4532' PERFS
4625 - 4628' PERFS
4596 - 4602' PERFS

4280 - 4280' PACKER BAKER 7" LOK-SET

0 - 4883' 7" OD PROD CSG

360 - 4883' 8.5 " OD HOLE

PBTD: 4822'
TD: 4900'

INJECTION WELL DATA SHEET

PHILLIPS PETROLEUM COMPANY		EAST VACUUM GRAYBURG SAN ANDRES UNIT		
OPERATOR		LEASE		
3202–001	1330 FS, 1310 FE	32	17S	35E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Tabular Data

Surface Casing @ 360'

Size 13.375 Cemented with 675 sx

TOC surface feet determined by Circulation

Hole size 17.5"

Intermediate Casing @

Size _____ Cemented with _____

TOC _____ feet determined by _____

Hole size _____

Long String @ 4883'

Size 7" Cemented with 350 sx

TOC surface feet determined by Circulation

Hole size 8.5"

Injection Interval

4363' to 4628'

Perforated X

or

Open–Hole _____

Tubing 2.875" lined with plastic coating set in a BAKER A–3 LOKSET packer at 4280'

(brand & model)

Other Data

1. Name of the injection formation GRAYBURG SAN ANDRES
2. Name of the Field or Pool VACUUM
3. Is this a new well drilled for injection? NO

   If no, for what purpose was the well originally drilled? OIL PRODUCER

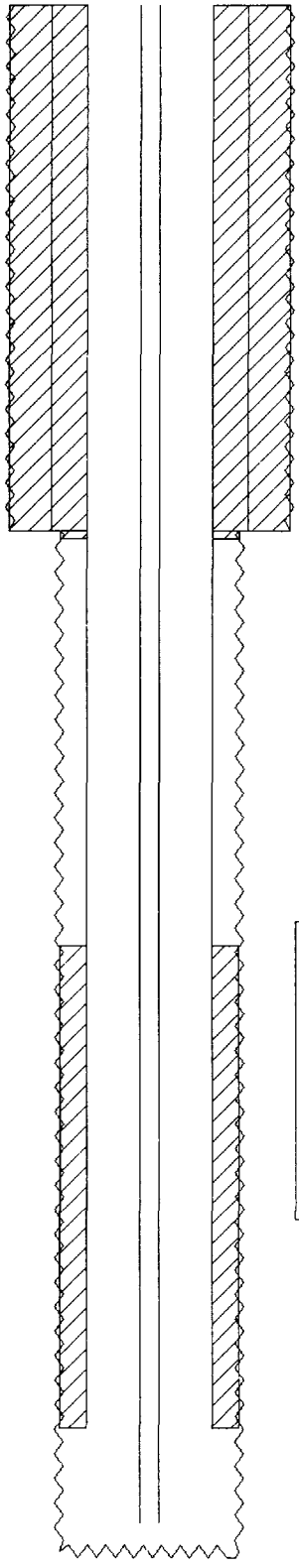
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used).

   NO

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. YATES @ 2700'

   GLORIETA @ 5800'

PHILLIPS PET
EVGSAU 3315-001
API# 3002508537



0 - 1604' CEMENT
0 - 1580' CEMENT 650 sx

0 - 1580' 8.625" OD SURF CSG

0 - 1580' 12.25 " OD HOLE

0 - 4550' 2.375" OD TBG

1980 FSL & 660 FEL
SEC 33 , TWN 17 S, RANGE 35 E
ELEVATION: 3950 GL
SPUD DATE: 04-14-39
COMPLETION DATE: 05-15-39

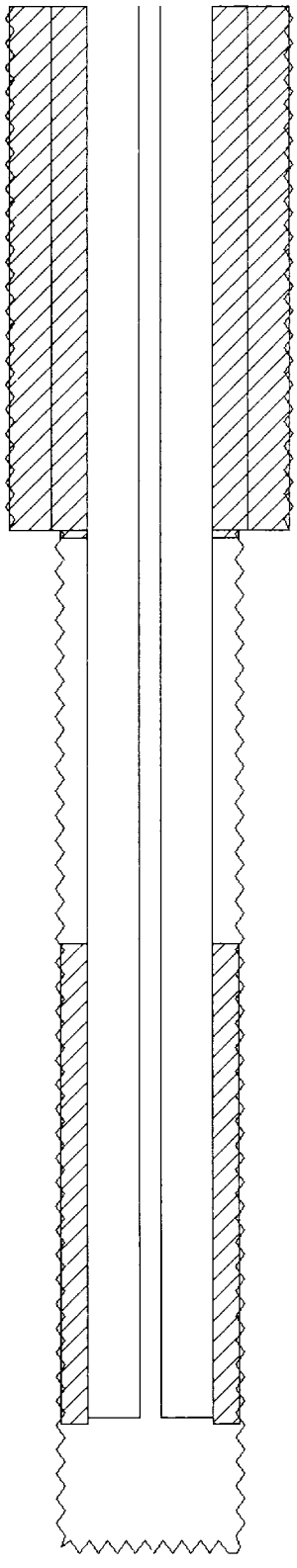
2822 - 4270' CEMENT 275 sx

0 - 4270' 5.5" OD PROD CSG

1580 - 4640' 7.875" OD HOLE

PBTD: 4621'
TD: 4640'

PHILLIPS PET
EVGSAU 3315-001
API# 3002508537



0 - 1604' CEMENT

0 - 1580' CEMENT

0 - 1580' 8.625" OD SURF CSG

0 - 1580' 12.25 " OD HOLE

0 - 4250' 2.875" OD TBG

1980 FSL & 660 FEL
SEC 33 , TWN 17 S, RANGE 35 E
ELEVATION: 3950 GL
SPUD DATE: 04-14-39
COMPLETION DATE: 05-15-39

2822 - 4270' CEMENT

0 - 4270' 5.5" OD PROD CSG

4250 - 4250' PACKER BAKER 5.5" LOK-SET

1580 - 4640' 7.875" OD HOLE

PBTD: 4621'

TD: 4640'

INJECTION WELL DATA SHEET

PHILLIPS PETROLEUM COMPANY		EAST VACUUM GRAYBURG SAN ANDRES UNIT		
OPERATOR		LEASE		
3315-001	1980 FS, 660 FE	33	17S	35E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Tabular Data

Surface Casing @ 1580'

Size 8.625" Cemented with 650 sx

TOC surface feet determined by Circulation

Hole size 12.25"

Long String @ 4270'

Size 5.5" Cemented with 275 sx

TOC 2882 feet determined by Calculation

Hole size 7.875"

Intermediate Casing @

Size _____ Cemented with _____

TOC _____ feet determined by _____

Hole size _____

Injection Interval

4270' to 4640'

Perforated _____

or

Open-Hole X

Tubing 2.875" lined with plastic coating set in a BAKER A-3 LOKSET packer at 4250'

(brand & model)

Other Data

1. Name of the injection formation GRAYBURG SAN ANDRES

2. Name of the Field or Pool VACUUM

3. Is this a new well drilled for injection? NO

   If no, for what purpose was the well originally drilled? OIL PRODUCER

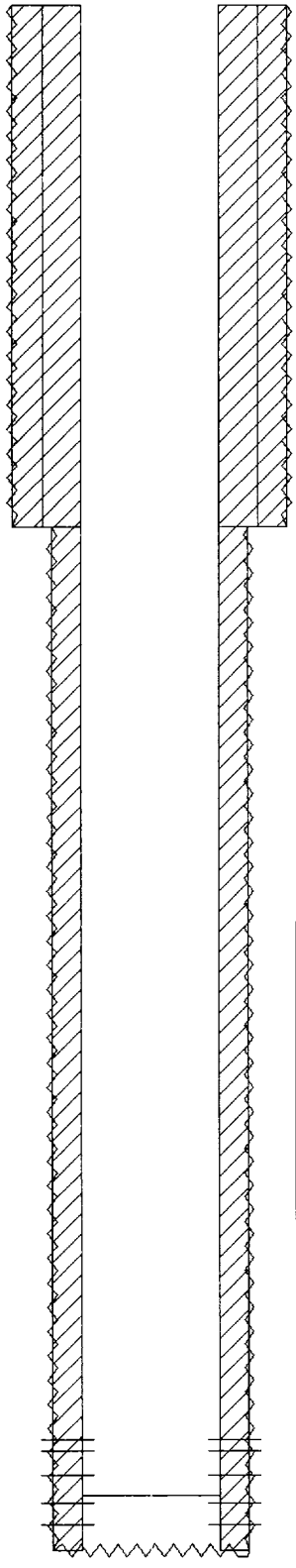
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used).

   NO

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. YATES @ 2700'

   GLORIETA @ 5800'

PHILLIPS PET
EVGSAU 3202-033
API# 3002523903



0 - 1600' CEMENT 800 sx

0 - 1600' 8.625" OD SURF CSG

0 - 1600' 11 " OD HOLE

0 - 4750' CEMENT 280 sx

990 FNL & 2306 FEL
SEC 32 , TWN 17 S, RANGE 35 E
ELEVATION: 3965 GL
SPUD DATE: 10-25-71
COMPLETION DATE: 12-20-71

4502 - 4520' PERFS
4396 - 4408' PERFS
4420 - 4444' PERFS
4601 - 4606' PERFS
4654 - 4670' PERFS

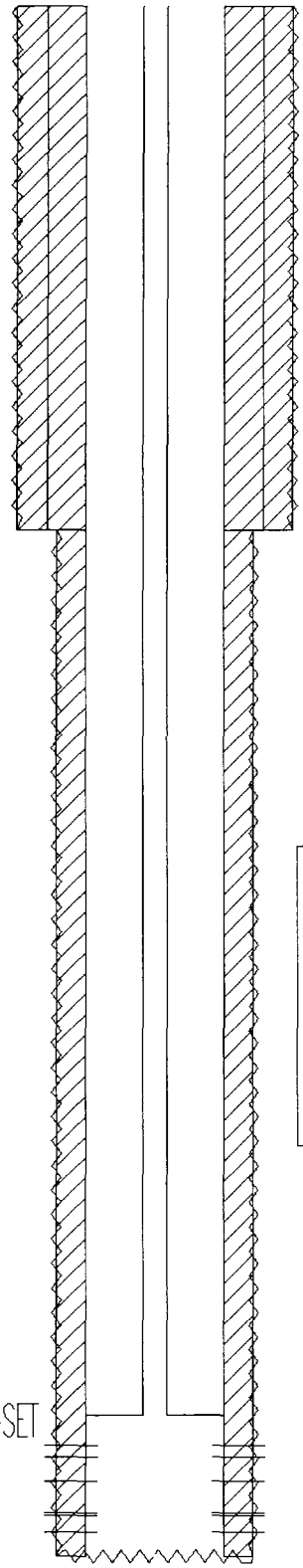
4583 - 4583' CIBP

0 - 4750' 5.5 " OD PROD CSG

PBTD: 4583'
TD: 4750'

1600 - 4750' 7.875 " OD HOLE

PHILLIPS PET
EVGSAU 3202-033
API# 300523903



0 - 1600' CEMENT 800 sx

0 - 1600' 8.625" OD SURF CSG

0 - 1600' 11 " OD HOLE

0 - 4316' 2.875" OD TBG

2800 - 4750' CEMENT 280 sx

990 FNL & 2306 FEL
SEC 32 , TWN 17 S, RANGE 35 E
ELEVATION: 3965 GL
SPUD DATE: 10-25-71
COMPLETION DATE: 12-20-71

4396 - 4408' PERFS
4420 - 4444' PERFS
4502 - 4520' PERFS
4601 - 4615' PERFS
4622 - 4626' PERFS
4639 - 4674' PERFS

4316 - 4316' PACKER BAKER 5.5" LOK-SET

0 - 4750' 5.5 " OD PROD CSG

PBTD: 4583'
TD: 4750'

1600 - 4750' 7.875 " OD HOLE

INJECTION WELL DATA SHEET

PHILLIPS PETROLEUM COMPANY		EAST VACUUM GRAYBURG SAN ANDRES UNIT		
OPERATOR		LEASE		
3202–033	990 FN, 2306 FE	32	17S	35E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Tabular Data

Surface Casing @ 1600'

Size 8.625" Cemented with 800 sx

TOC surface feet determined by Circulation

Hole size 11"

Long String @ 4750'

Size 5.5" Cemented with 280 sx

TOC surface feet determined by Circulation

Hole size 7.875"

Intermediate Casing @

Size _____ Cemented with _____

TOC _____ feet determined by _____

Hole size _____

Injection Interval

4396' to 4674'

Perforated X

or

Open–Hole _____

Tubing 2.875" lined with plastic coating set in a BAKER A–3 LOKSET packer at 4316'

(brand & model)

Other Data

1. Name of the injection formation GRAYBURG SAN ANDRES

2. Name of the Field or Pool VACUUM

3. Is this a new well drilled for injection? NO

   If no, for what purpose was the well originally drilled? OIL PRODUCER

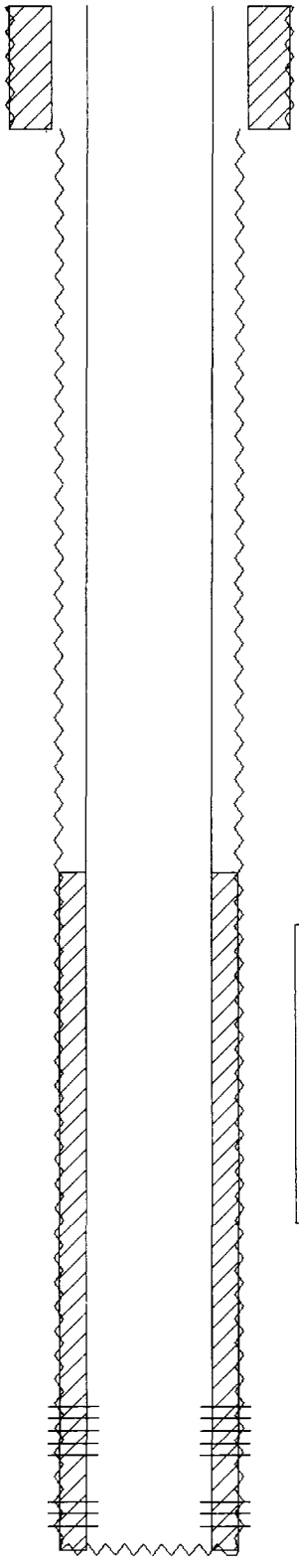
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used).

   NO

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. YATES @ 2700'

   GLORIETA @ 5800'

PHILLIPS PET
EVGSAU 0524-129
API# 3002524906



0 - 390' CEMENT 575 sx

0 - 390' 8.625" OD SURF CSG

0 - 390' 12.25 " OD HOLE

2710 - 4836' CEMENT 300 sx

0 - 4836' 5.5" OD PROD CSG

1650 FNL & 990 FWL
SEC 5 , TWN 18 S, RANGE 35 E
ELEVATION: 3976 KB
SPUD DATE: 02-20-75
COMPLETION DATE: 03-18-75

4385 - 4539' PERFS

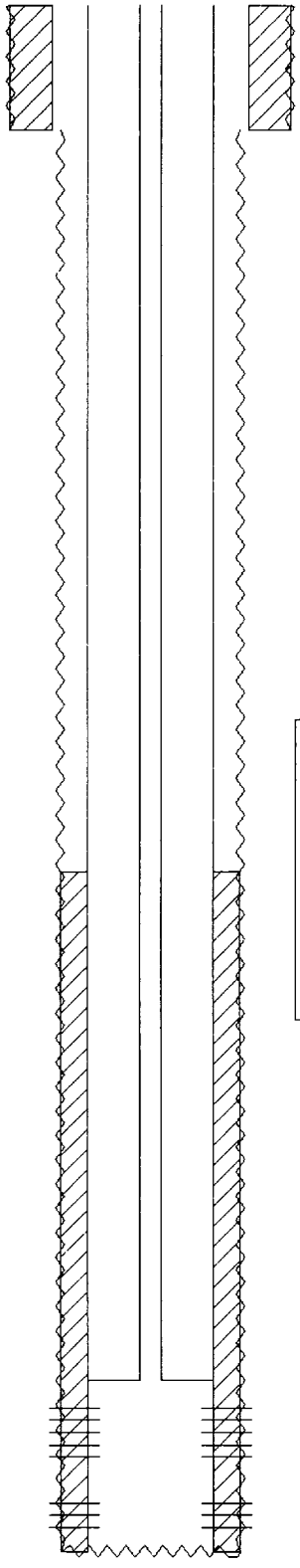
390 - 4836' 7.875 " OD HOLE

4668 - 4762' PERFS

PBTD: 4778'

TD: 4850'

PHILLIPS PET
EVGSAU 0524-129
API# 3002524906



0 - 390' CEMENT 575 sx

0 - 390' 8.625" OD SURF CSG

0 - 390' 12.25 " OD HOLE

0 - 4300' 2.875" OD TBG

1650 FNL & 990 FWL
SEC 5 , TWN 18 S, RANGE 35 E
ELEVATION: 3976 KB
SPUD DATE: 02-20-75
COMPLETION DATE: 03-18-75

2710 - 4836' CEMENT 300 sx

4300 - 4300' PACKER BAKER 5.5" LOK-SET

0 - 4836' 5.5" OD PROD CSG

4385 - 4539' PERFS

4668 - 4762' PERFS

390 - 4836' 7.875 " OD HOLE

PBTD: 4778'

TD: 4850'

INJECTION WELL DATA SHEET

PHILLIPS PETROLEUM COMPANY		EAST VACUUM GRAYBURG SAN ANDRES UNIT		
OPERATOR		LEASE		
0524–129	1650 FN, 990 FW	5	18S	35E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Tabular Data

Surface Casing @ 390'

Size 8.625" Cemented with 575 sx

TOC surface feet determined by Circulation

Hole size 12.25"

Long String @ 4836'

Size 5.5" Cemented with 300 sx

TOC 2710' feet determined by Temp. Surv.

Hole size 7.875"

Intermediate Casing @

Size _____ Cemented with _____

TOC _____ feet determined by _____

Hole size _____

Injection Interval

4385' to 4762'

Perforated X

or

Open–Hole _____

Tubing 2.875" lined with plastic coating set in a BAKER A–3 LOKSET packer at 4300'

(brand & model)

Other Data

1. Name of the injection formation GRAYBURG SAN ANDRES

2. Name of the Field or Pool VACUUM

3. Is this a new well drilled for injection? NO

   If no, for what purpose was the well originally drilled? OIL PRODUCER

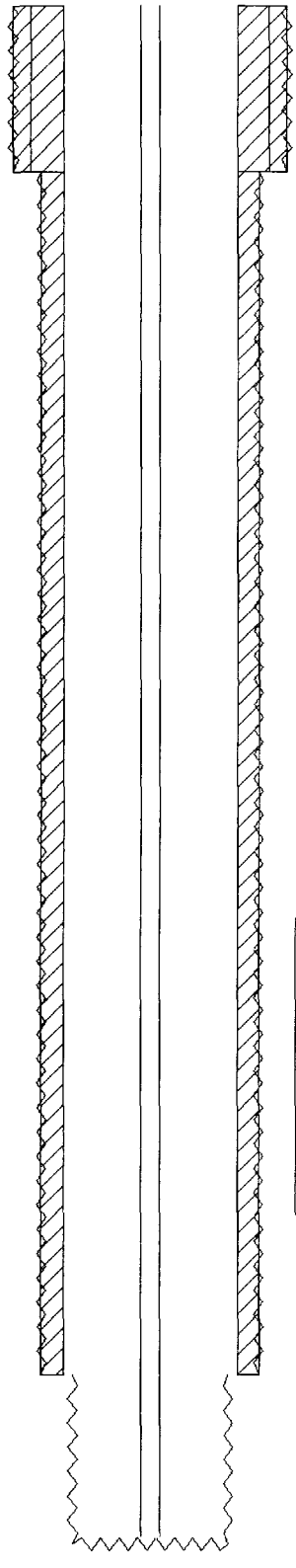
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used).

   NO

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. YATES @ 2700'

   GLORIETA @ 5800'

PHILLIPS PET
EVGSAU 3333-002
API# 3002502982



0 - 497' CEMENT 225 sx

0 - 497' 9.625" OD SURF CSG

0 - 497' 11 " OD HOLE

0 - 4092' CEMENT 800 sx

0 - 4576' 2.375" OD TBG

1980 FNL & 1980 FWL
SEC 33 , TWN 17 S, RANGE 35 E
ELEVATION: 3948 GL
SPUD DATE: 04-19-39
COMPLETION DATE: 05-18-39

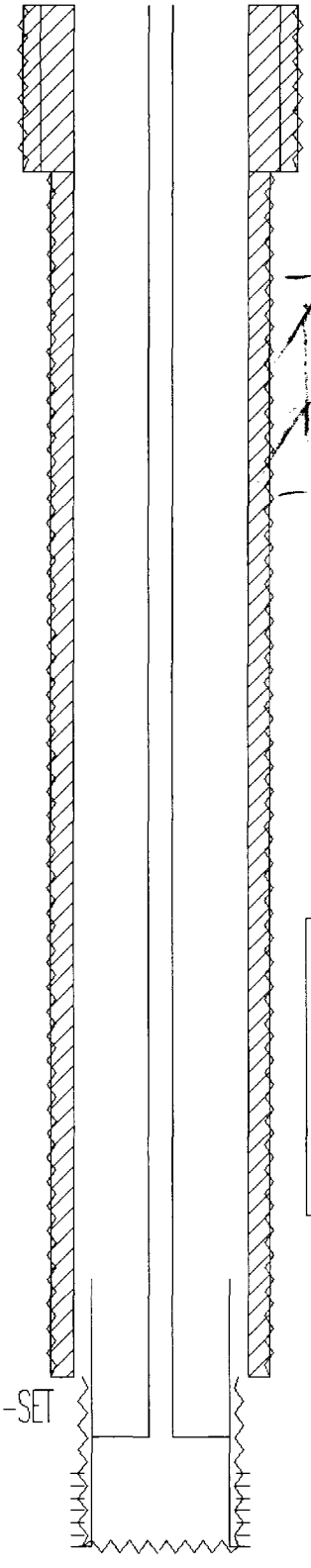
0 - 4092' 7" OD PROD CSG

497 - 4092' 8.75 " OD HOLE

4092 - 4600' 6.25 " OD HOLE

TD: 4600'

PHILLIPS PET
EVGSAU 3333-002
API# 3002502982



0 - 497' CEMENT 225 sx

0 - 497' 9.625" OD SURF CSG

0 - 497' 11 " OD HOLE

0 - 4092' CEMENT 800 sx

0 - 4270' 2.875" OD TBG

1980 FNL & 1980 FWL
SEC 33 , TWN 17 S, RANGE 35 E
ELEVATION: 3948 GL
SPUD DATE: 04-19-39
COMPLETION DATE: 05-18-39

0 - 4092' 7" OD PROD CSG

4350 - 4650' PERFS

4270 - 4270' PACKER BAKER 5.5" LOK-SET

497 - 4092' 8.75 " OD HOLE

3800 - 4600' 5.5" OD LINER

4092 - 4600' 6.25 " OD HOLE

TD: 4600'

INJECTION WELL DATA SHEET

PHILLIPS PETROLEUM COMPANY	EAST VACUUM GRAYBURG SAN ANDRES UNIT			
OPERATOR	LEASE			
3333–002	1980 FN, 1980 FW	33	17S	35E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Tabular Data

Surface Casing @ 497'

Size 9.625" Cemented with 225 sx

TOC surface feet determined by Circulation

Hole size 11"

Long String @ 4092'

Size 7" Cemented with 800 sx

TOC surface feet determined by Circulation

Hole size 8.75"

Intermediate Casing @

Size _____ Cemented with _____

TOC _____ feet determined by _____

Hole size _____

Injection Interval

4350' to 4650'

Perforated X

or

Open–Hole _____

Tubing 2.875" lined with plastic coating set in a BAKER A–3 LOKSET (brand & model) packer at 4270'

Other Data

1. Name of the injection formation: GRAYBURG SAN ANDRES
2. Name of the Field or Pool: VACUUM
3. Is this a new well drilled for injection? NO

   If no, for what purpose was the well originally drilled? OIL PRODUCER

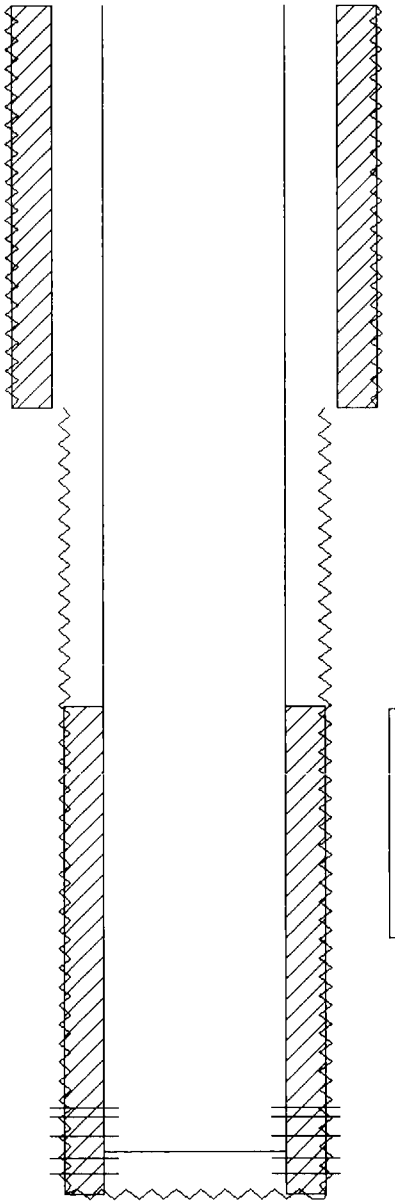
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used).

   NO

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. YATES @ 2700'

   GLORIETA @ 5800'

PHILLIPS PET
EVGSAU 3202-033
API# 3002523903



0 - 1600' CEMENT 800 sx

0 - 1600' 8.625" OD SURF CSG

0 - 1600' 11 " OD HOLE

2800 - 4750' CEMENT 280 sx

990 FNL & 2306 FEL
SEC 32 , TWN 17 S, RANGE 35 E
ELEVATION: 3965 GL
SPUD DATE: 10-25-71
COMPLETION DATE: 12-20-71

4583 - 4583' CIBP

0 - 4750' 5.5 " OD PROD CSG

4396 - 4408' PERFS
4420 - 4444' PERFS
4502 - 4520' PERFS
4601 - 4606' PERFS
4654 - 4670' PERFS

PBTD: 4583'
TD: 4750'

1600 - 4750' 7.875 " OD HOLE

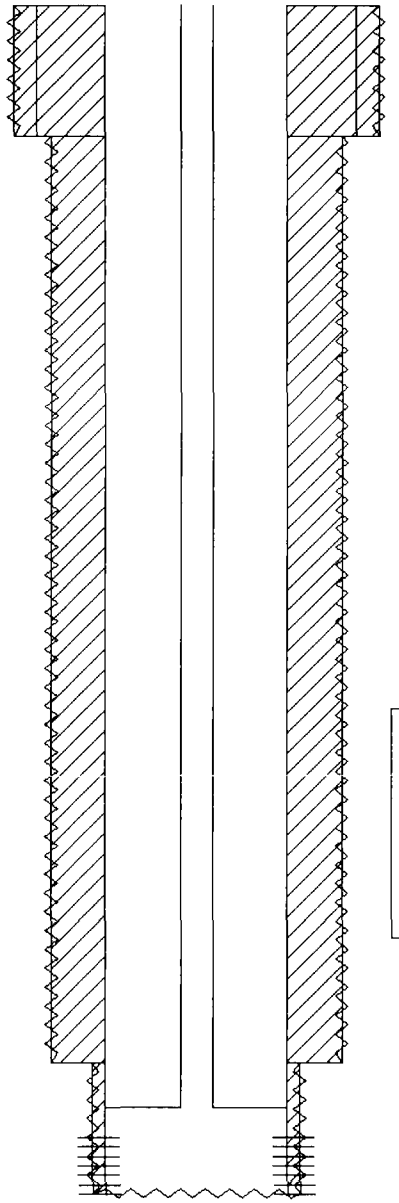
PHILLIPS PET
EVGSAU 3333-002
API# 3002502982

0 - 497' CEMENT 225 sx
0 - 497' 9.625" OD SURF CSG

0 - 497' 11 " OD HOLE

0 - 4270' 2.875" OD TBG

0 - 4600' CEMENT 800 sx



1980 FNL & 1980 FWL
SEC 33 , TWN 17 S, RANGE 35 E
ELEVATION: 3948 GL
SPUD DATE: 04-19-39
COMPLETION DATE: 05-18-39

497 - 4092' 8.75 " OD HOLE
4270 - 4270' PACKER BAKER 5.5" LOK-SET
4350 - 4650' PERFS
4092 - 4600' 6.25 " OD HOLE

0 - 4600' 5.5" OD PROD CSG
3800 - 4600' 5.5" OD LINER

TD: 4600'

PHILLIPS PET
EVGSAU 3333-002
API# 3002502982

0 - 497' CEMENT 225 sx

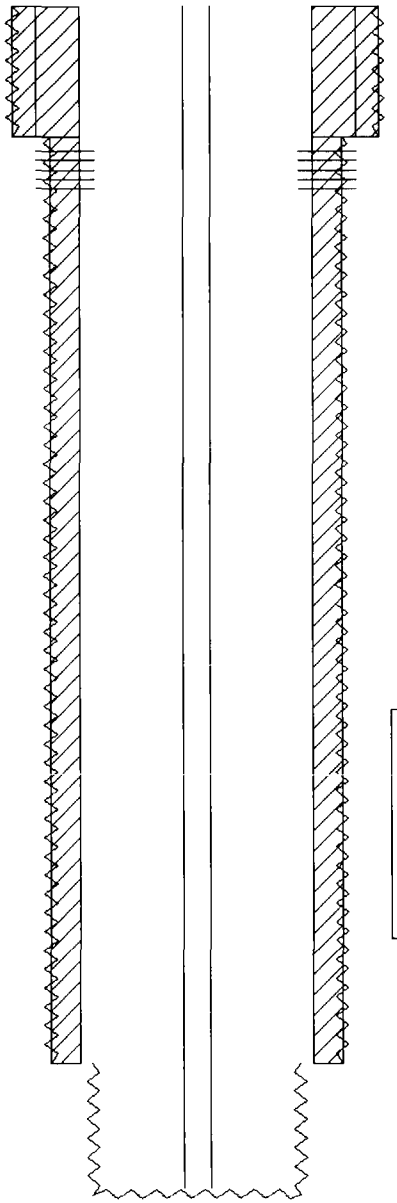
0 - 497' 9.625" OD SURF CSG

0 - 497' 11 " OD HOLE

553 - 700' PERFS sqz'd w/ cmt

0 - 4092' CEMENT 800 sx

0 - 4576' 2.375" OD TBG



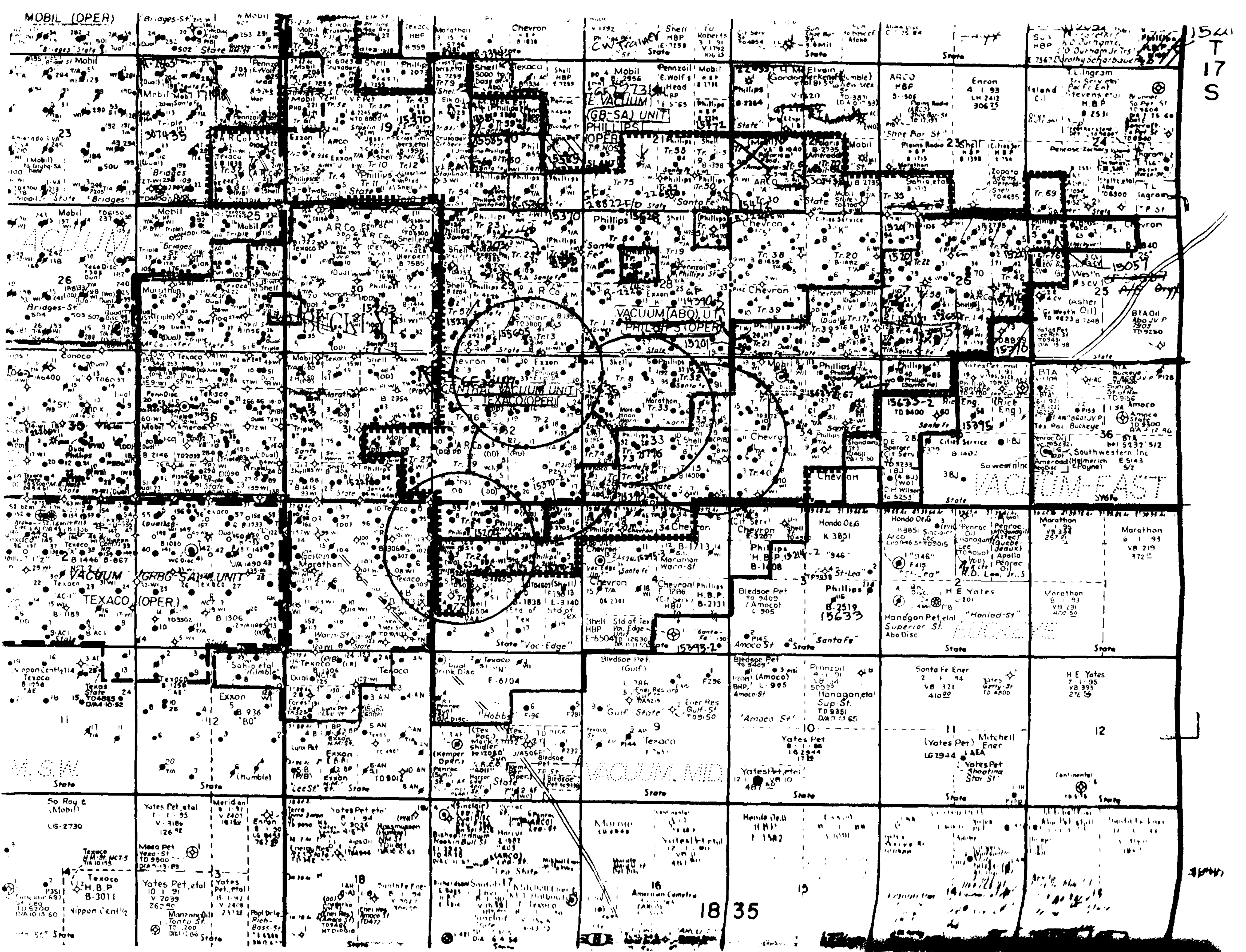
1980 FNL & 1980 FWL
SEC 33 , TWN 17 S, RANGE 35 E
ELEVATION: 3948 GL
SPUD DATE: 04-19-39
COMPLETION DATE: 05-18-39

0 - 4092' 7" OD PROD CSG

497 - 4092' 8.75 " OD HOLE

4092 - 4600' 6.25 " OD HOLE

TD: 4600'


MOBIL (OPER)
T
17
S
E VACUUM (GB-SA) UNIT
PHILLIPS (OPER)
VACUUM (ABO) UT
PHILLIPS (OPER)
CENTRAL VACUUM UNIT
TEXACO (OPER)
VACUUM (GRBG-SA) UNIT
TEXACO (OPER)
VACUUM EAST
18 35

ATTACHMENT NO. XIV
Notification

I hereby certify that a complete copy of this application was sent by certified mail to the below listed persons on October 20, 1993.

Signed: L. M. Sanders
Name: L. M. Sanders
Title: Supervisor, Regulatory Affairs
Date: October 20, 1993

Surface Owner:

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, New Mexico 87501-1148

Offset Operators:

Chevron U.S.A. Inc.
P. O. Box 670
Hobbs, New Mexico 87240

Texaco Exploration & Production, Inc.
P. O. Box 730
Hobbs, New Mexico 88240

EAST VACUUM GRAYBURG SAN ANDRES UNIT

ATTACHMENT III TO FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT

WELLS WITHIN 1/2 MILE RADIUS OF REVIEW

WELL DATA TABLE

Operator	Lease Name	Well No.	API Number	Type	Top of Cement *	Construction	Date Drilled	Record of Completion	Depth	Location
Exxon	State "K"	36	3002530805	PROD	4300' C	see diagram	03-23-90	see diagram	6310'	28 17S 35E 430 FS, 330FW
Phillips	EVGSAU	3202-017	3002530017	PROD	846'	"	09-09-87	"	4800'	32 17S 35E 2000 FN, 120 FE
Phillips	EVGSAU	3202-018	3002530015	PROD	surface	"	05-18-88	"	4800'	32 17S 35E 2560 FN, 680 FE
Phillips	EVGSAU	3202-019	3002530020	PROD	846'	"	10-10-87	"	4800'	33 17S 35E 2065 FN, 2540 FE
Phillips	EVGSAU	3236-009	3002530018	PROD	surface	"	10-02-87	"	4800'	32 17S 35E 2510 FN, 1850 FW
Phillips	EVGSAU	3332-003	3002531098	OBSRV	surface	"	01-15-91	"	4807'	33 17S 35E 135 FN, 1534 FE
Phillips	EVGSAU	3374-003	3002530019	PROD	surface	"	09-08-87	"	4800'	33 17S 35E 2630 FS, 400 FW
Phillips	EVGSAU	3374-004	3002530016	PROD	surface	"	05-29-88	"	4800'	33 17S 35E 1950 FS, 210 FW
Phillips	Santa Fe	131	3002530505	PROD	1100' M	"	01-11-89	"	6350'	33 17S 35E 1655 FN, 990 FW
Phillips	Santa Fe	132	3002530506	PROD	surface	"	01-21-89	"	6350'	33 17S 35E 330 FN, 2310 FE
Phillips	Vac Abo Unit	06-86	3002530760	PROD	2170' M	"	02-27-90	"	8900'	33 17S 35E 50 FS, 2480 FW
Phillips	Vac Abo Unit	14-05	3002531903	PROD	5420' M	"	04-04-93	"	9100'	5 18S 35E 1475 FS, 430 FW
Texaco	Cent. Vac Unit	302	3002530023			"		"		

EXXON
NEW MEXICO K STATE NO. 36
API# 3002530805
(VGEU 01-07)

0 - 460' CEMENT 400 sx

0 - 460' 13.375" OD SURF CSG

0 - 460' 17.5 " OD HOLE

0 - 4808' CEMENT 1425 sx

430 FSL & 330 FWL
SEC 28 , TWN 17 S, RANGE 35 E
ELEVATION: 3963 KB
SPUD DATE: 03-23-90
COMPLETION DATE: 06-11-90
COMPLETION INTERVAL: 5946 - 6006 (GLRT)

0 - 4808' 8.625" OD INT CSG

460 - 4808' 12.25 " OD HOLE

4300 - 6308' CEMENT 160 sx

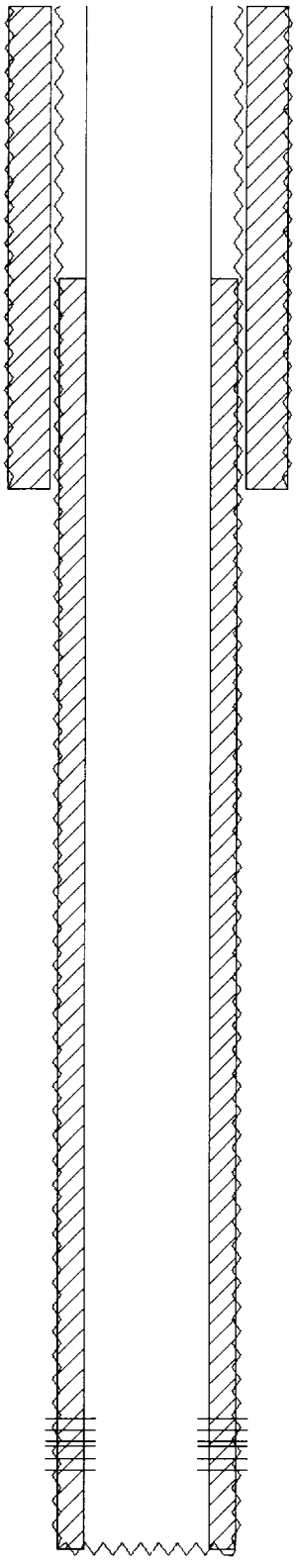
5946 - 6006' PERFS
6022 - 6132' PERFS

0 - 6308' 5.5" OD PROD CSG

4808 - 6310' 7.875 " OD HOLE

KB ELEV: 3962'
PBTD: 6259'
TD: 6310'

PHILLIPS PET
EVGSAU 3202-017
API# 3002530017



0 - 1498' CEMENT 1000 sx

0 - 1498' 8.625" OD SURF CSG

0 - 1498' 12.25 " OD HOLE

846 - 4800' CEMENT 1600 sx

2000 FNL & 120 FEL
SEC 32 , TWN 17 S, RANGE 35 E
ELEVATION: 3957 KB
SPUD DATE: 09-09-87
COMPLETION DATE: 10-08-87

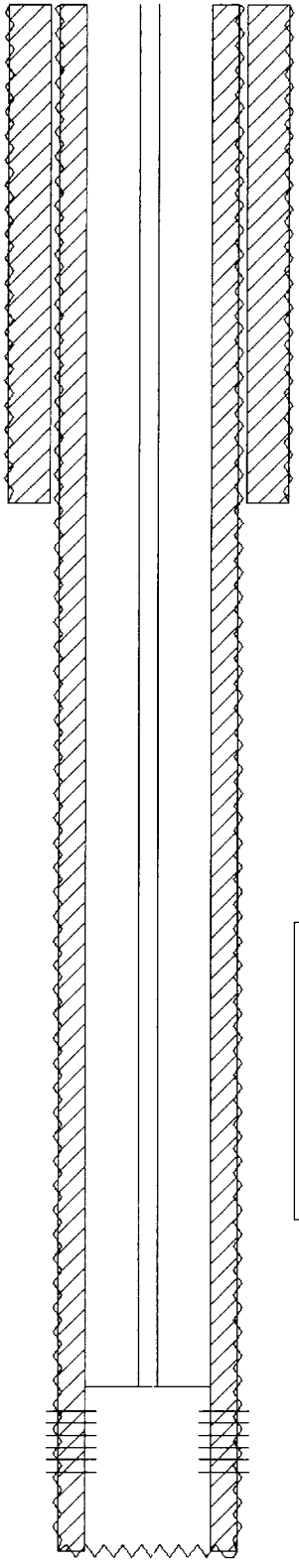
4389 - 4393' PERFS
4425 - 4464' PERFS
4469 - 4555' PERFS

0 - 4800' 5.5" OD PROD CSG

0 - 4800' 7.875" OD HOLE

PBTD: 4756'
TD: 4800'

PHILLIPS PET
EVGSAU 3202-018
API# 3002530015



0 - 1545' CEMENT 1000 sx

0 - 1545' 8.625" OD SURF CSG

0 - 1545' 12.25 " OD HOLE

0 - 4288' 2.375" OD TBG

0 - 4800' CEMENT 1200 sx

2560 FNL & 680 FEL
SEC 32 , TWN 17 S, RANGE 35 E
ELEVATION: 3945 GL
SPUD DATE: 05-18-88
COMPLETION DATE: 06-21-88

4288 - 4288' PACKER

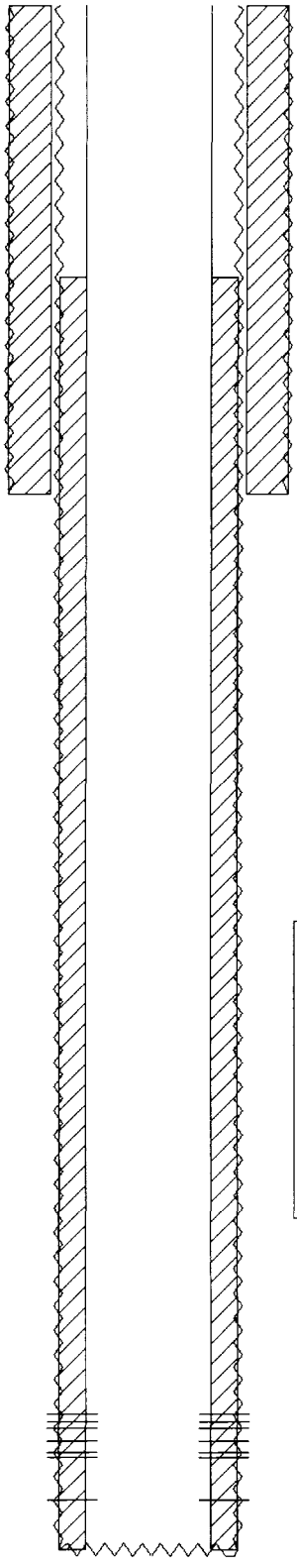
4360 - 4402' PERFS
4409 - 4478' PERFS
4496 - 4554' PERFS

0 - 4800' 5.5" OD PROD CSG

0 - 4800' 7.875 " OD HOLE

PBTD: 4700'
TD: 4800'

PHILLIPS PET
EVGSAU 3202-019
API# 3002530020



0 - 1514' CEMENT 1000 sx

0 - 1514' 8.625" OD SURF CSG

0 - 1514' 12.25 " OD HOLE

846 - 4800' CEMENT 1250 sx

2065 FNL & 2540 FEL
SEC 33 , TWN 17 S, RANGE 35 E
ELEVATION: 3975 KB
SPUD DATE: 10-10-87
COMPLETION DATE: 11-02-87

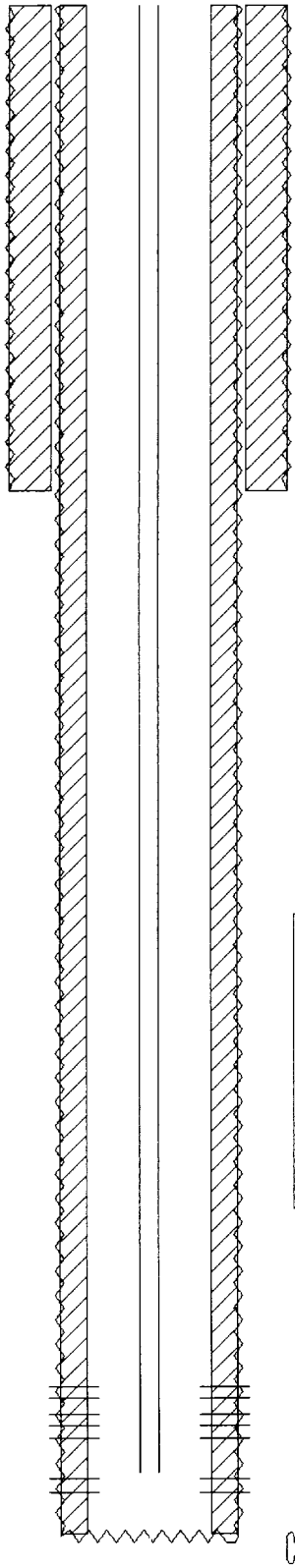
4352 - 4378' PERFS
4380 - 4401' PERFS
4404 - 4496' PERFS
4501 - 4511' PERFS
4633 - 4645' PERFS

0 - 4800' 5.5" OD PROD CSG

PBTD: 4756'
TD: 4800'

0 - 4800' 7.875 " OD HOLE

PHILLIPS PET
EVGSAU 3236-009
API# 3002530018



0 - 1518' CEMENT 1000 sx

0 - 1518' 8.625" OD SURF CSG

0 - 1518' 12.25 " OD HOLE

0 - 4596' 2.375" OD TBG

0 - 4790' CEMENT 1250 sx

2510 FNL & 1850 FWL
SEC 32 , TWN 17 S, RANGE 35 E
ELEVATION: 3978 KB
SPUD DATE: 10-02-87
COMPLETION DATE: 10-25-87

4327 - 4366' PERFS
4413 - 4490' PERFS
4590 - 4616' PERFS
4644 - 4661' PERFS

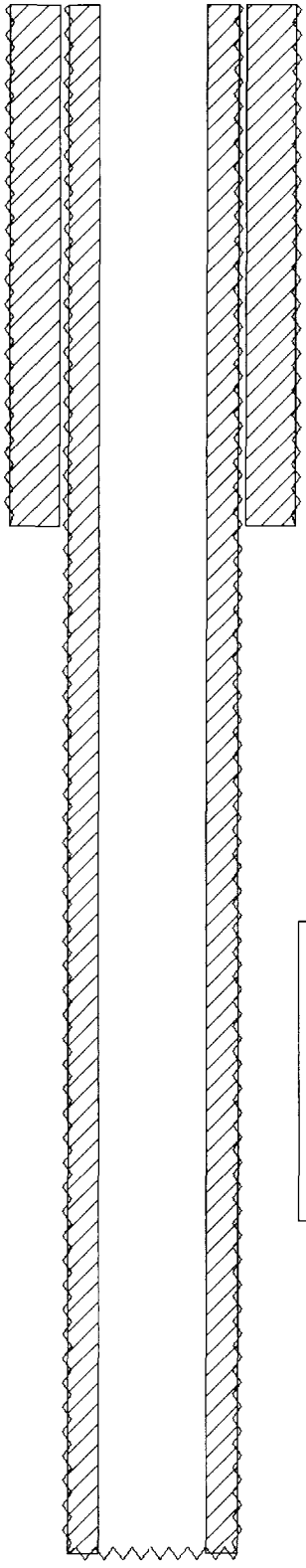
0 - 4790' 5.5 " OD PROD CSG

0 - 4800' 7.875 " OD HOLE

PBTD: 4745'

TD: 4800'

PHILLIPS PET
EVGSAU 3332-003
API# 3002531098



0 - 1617' CEMENT 1500 sx

0 - 1617' 9.625" OD SURF CSG

0 - 1617' 14.75 " OD HOLE

0 - 4807' CEMENT 1830 sx

135 FNL & 1534 FEL
SEC 33 , TWN 17 S, RANGE 35 E
ELEVATION: 3952 GL
SPUD DATE: 01-15-91
COMPLETION DATE: NONE

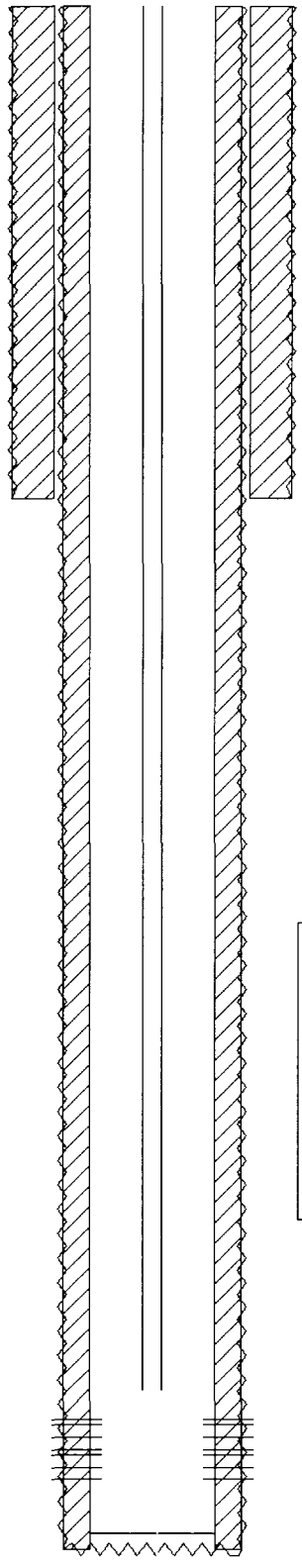
NOT PERFORATED

0 - 4807' 5.5 " OD PROD CSG

0 - 4807' 8.75 " OD HOLE

PBTD: 4763'
TD: 4807'

PHILLIPS PET
EVGSAU 3374-003
API# 3002530019



0 - 1526' CEMENT 1000 sx

0 - 1526' 8.625" OD SURF CSG

0 - 1526' 12.25 " OD HOLE

0 - 4300' 2.375" OD TBG

0 - 4800' CEMENT 1160 sx

2360 FSL & 400 FWL
SEC 33 , TWN 17 S, RANGE 35 E
ELEVATION: 3963 KB
SPUD DATE: 09-08-87
COMPLETION DATE: 10-05-87

4357 - 4394' PERFS
4396 - 4486' PERFS
4504 - 4580' PERFS

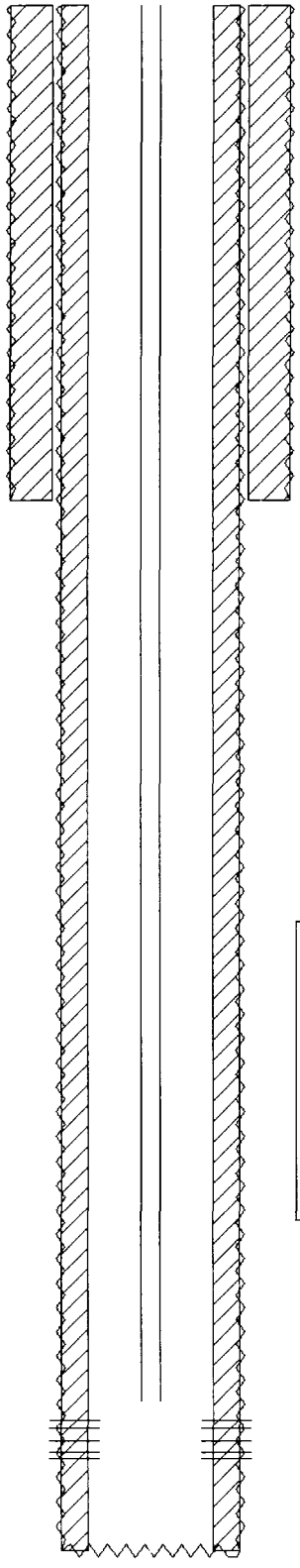
4750 - 4750' CIBP

0 - 4800' 5.5 " OD PROD CSG

0 - 4800' 7.875 " OD HOLE

PBTD: 4753'
TD: 4800'

PHILLIPS PET
EVGSAU 3374-004
API# 3002530016



0 - 1534' CEMENT 1000 sx

0 - 1534' 8.625" OD SURF CSG

0 - 1534' 12.25 " OD HOLE

0 - 4333' 2.375" OD TBG

0 - 4800' CEMENT 1200 sx

1950 FSL & 210 FWL
SEC 33, TWN 17 S, RANGE 35 E
ELEVATION: 3951 GR
SPUD DATE: 05-29-88
COMPLETION DATE: 06-30-88

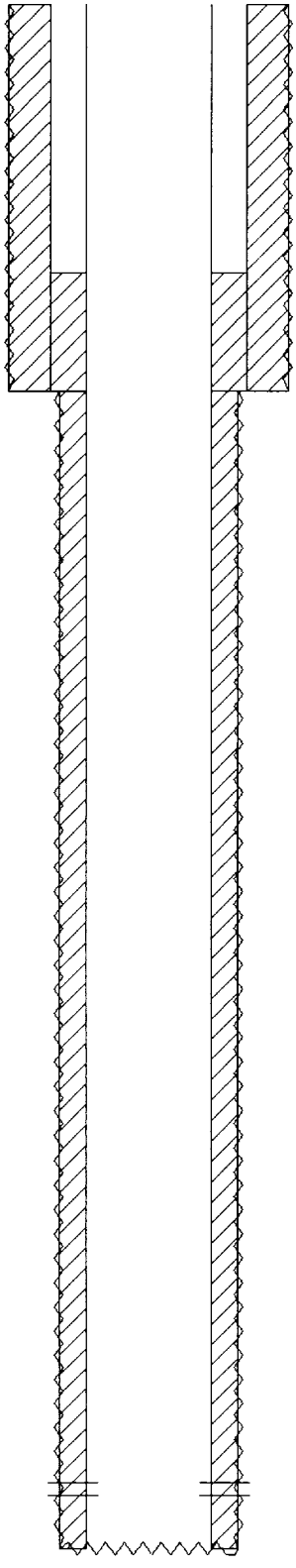
4364 - 4396' PERFS
4402 - 4496' PERFS
4505 - 4515' PERFS

0 - 4800' 5.5" OD PROD CSG

0 - 4800' 7.875 " OD HOLE

PBTD: 4684'
TD: 4800'

PHILLIPS PET
SANTA FE NO. 131
API# 3002530505
(VGEU 42-01)



0 - 1586' CEMENT 1442 sx

0 - 1586' 8.625" OD SURF CSG

0 - 1586' 12.25 " OD HOLE

1100 - 6350' CEMENT 1800 sx

1655 FNL & 990 FWL
SEC 33 , TWN 17 S, RANGE 35 E
ELEVATION: 3957 KB
SPUD DATE: 01-11-89
COMPLETION DATE: 03-26-89
COMPLETION INTERVAL: 6052 - 6128 (PDCK)

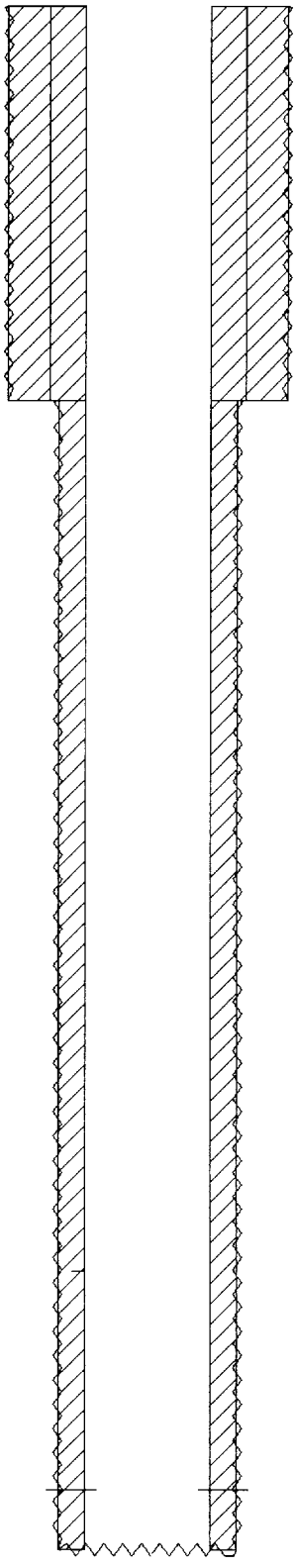
6052 - 6128' PERFS

0 - 6350' 5.5" OD PROD CSG

1586 - 6350' 7.875 " OD HOLE

KB ELEV: 3957'
PBTD: 6305'
TD: 6350'

PHILLIPS PET
SANTA FE NO. 132
API# 3002530506
(VGEU 22-01)



0 - 1618' CEMENT 1355 sx

0 - 1618' 8.625" OD SURF CSG

0 - 1618' 12.25 " OD HOLE

0 - 6350' CEMENT 1300 sx

330 FNL & 2310 FEL
SEC 33 , TWN 17 S, RANGE 35 E
ELEVATION: 3964 KB
SPUD DATE: 01-21-89
COMPLETION DATE: 03-26-89
COMPLETION INTERVAL: 6068 - 6123 (PDCK)

5200 - 5200' DVTOOL

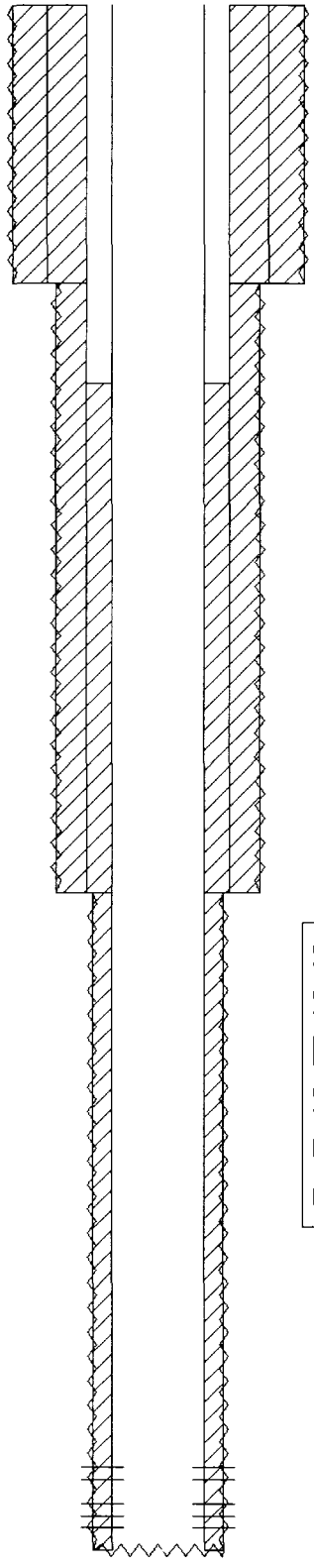
6068 - 6104' PERFS

0 - 6350' 5.5" OD PROD CSG

1618 - 6350' 7.875 " OD HOLE

KB ELEV: 3953'
PBTD: 6304'
TD: 6350'

PHILLIPS PET
VAC ABO UNIT TR6 NO. 86
API# 3002530760



0 - 1602' CEMENT 1200 sx

0 - 1602' 13.375" OD SURF CSG

0 - 1602' 17.5 " OD HOLE

0 - 5100' CEMENT 2400 sx

0 - 5100' 8.625" OD INT CSG

2170 - 8900' CEMENT 1250 sx

1602 - 5100' 12.25 " OD HOLE

50 FSL & 2480 FWL
SEC 33 , TWN 17 S, RANGE 35 E
ELEVATION: 3943 GR
SPUD DATE: 02-27-90
COMPLETION DATE: 09-10-90
COMPLETION INTERVAL: 8405 - 8487 (PDCK)

8405 - 8487' PERFS

8580 - 8698' PERFS

8726 - 8770' PERFS

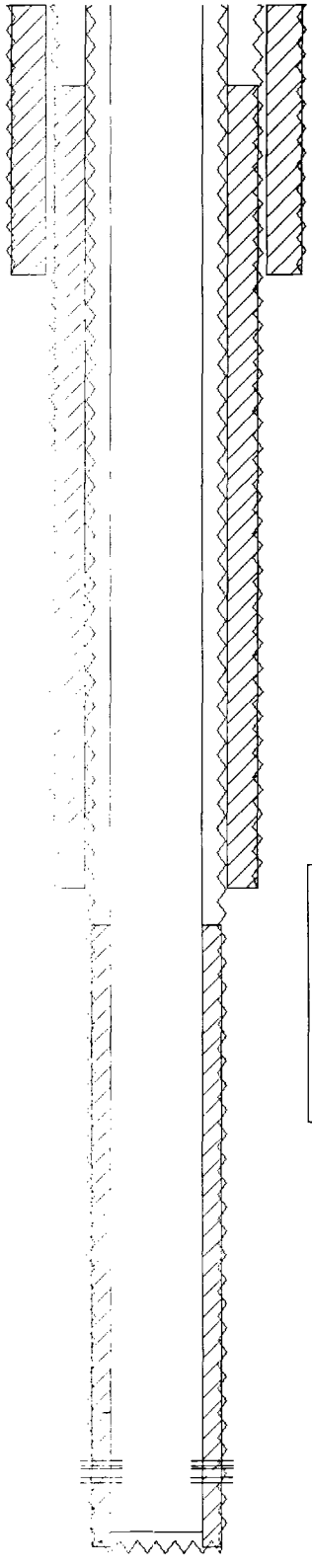
0 - 8900' 5.5" OD PROD CSG

5100 - 8900' 7.875 " OD HOLE

PBTD: 8795'

TD: 8900'

PHILLIPS PET
VAC ABO UNIT TR14 NO. 5
API# 3002531903



0 - 1585' CEMENT 1500 sx

0 - 1585' 13.375" OD SURF CSG

0 - 1585' 17.5 " OD HOLE

468 - 5200' CEMENT 1950 sx

0 - 5200' 8.625" OD INT CSG

0 - 5200' 12.25 " OD HOLE

1475 FSL & 430 FWL
SEC 5 , TWN 18 S, RANGE 35 E
ELEVATION: 3965 KB
SPUD DATE: 04-04-93
COMPLETION DATE: NONE

5420 - 9100' CEMENT 300 sx

8305 - 8305' DVTOOL W/ 300 sx

8631 - 8636' PERFS PROPOSED
8546 - 8586' PERFS PROPOSED
8606 - 8616' PERFS PROPOSED
8673 - 8683' PERFS PROPOSED
8695 - 8715' PERFS PROPOSED

9008 - 9008' RETAINER

0 - 9100' 5.5" OD PROD CSG

PBTD: 9008'
TD: 9100'

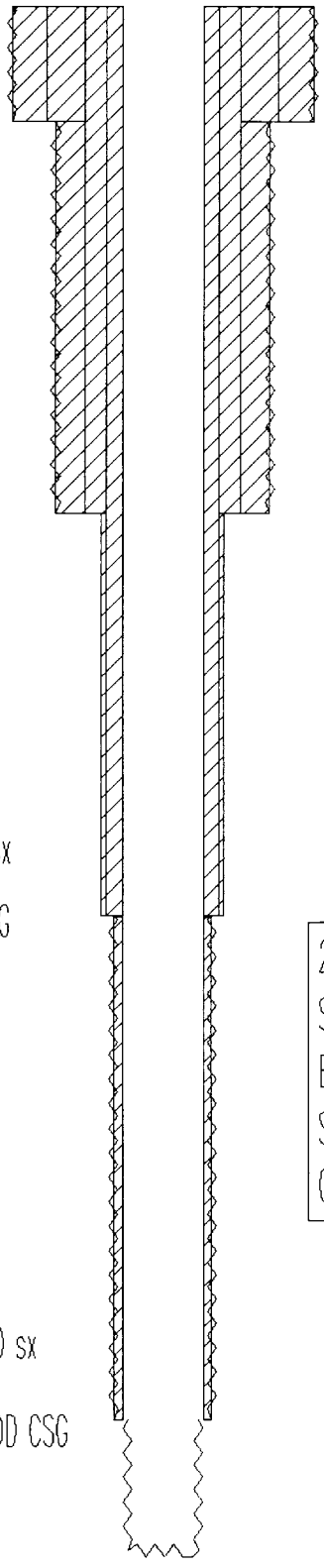
0 - 9100' 7.875 " OD HOLE

TEXACO PROD.
CENTRAL VAC UNIT NO. 302
API# 3002530023

0 - 350' CEMENT 1000 sx

0 - 350' 20" OD SURF CSG

0 - 350' 26 " OD HOLE



0 - 1545' CEMENT 1450 sx

0 - 1545' 13.375" OD INT CSG

350 - 1545' 18.5 " OD HOLE

0 - 2778' CEMENT 1250 sx

0 - 2778' 9.625" OD INT CSG

2030 FNL & 1310 FEL
SEC 63 , TWN 18 S, RANGE 35 E
ELEVATION: 3988 KB
SPUD DATE: 11-01-87
COMPLETION DATE: NONE

0 - 4320' CEMENT 750 sx

0 - 4320' 7 " OD PROD CSG

2778 - 4320' 8.5 " OD HOLE

4320 - 4720' 6.125 " OD HOLE

TD: 4720'

VII. Data on Proposed Operation

1. Proposed average and maximum daily rate:

   Avg. = 1000 Bbls/Day
   Max. = 2000 Bbls/Day

2. The system is closed.

3. Proposed average and maximum injection pressure:

   Water Avg. = 800 psi CO_2 Avg. = 1200 psi

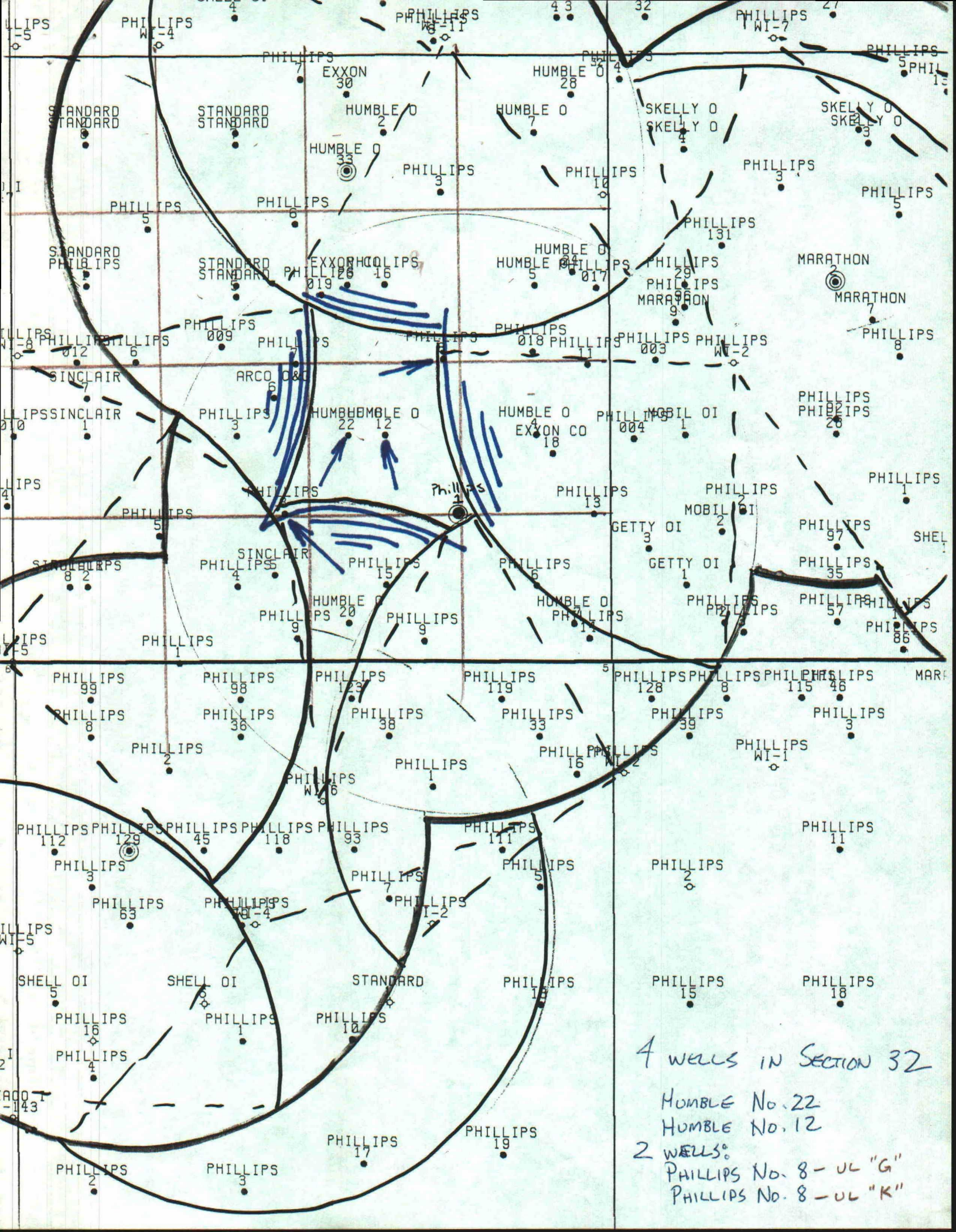
   Water Max. = 1350 psi CO_2 Max. = 1800 psi

4. Sources and an appropriate analysis of reinjected fluid and compatibility with receiving formation:

   The injected fluid will alternate between produced water from the same zone which is naturally compatible and CO_2, which is composed primarily of:

   92% CO_2
   2% Nitrogen
   2% Hydrogen Sulphide
   4% Hydrocarbon

The CO_2 gas has been injected into adjacent wells in the same reservoir since 1985 as approved under Order R-6856, dated 12-16-81.


4 WELLS IN SECTION 32
HUMBLE No. 22
HUMBLE No. 12
2 WELLS:
PHILLIPS No. 8 – UL "G"
PHILLIPS No. 8 – UL "K"

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

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

General Manager

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of

one weeks.

Beginning with the issue dated

October 17, 19 93

and ending with the issue dated

October 17, 19 93

General Manager

Sworn and subscribed to before

me this 19 day of

October, 19 93

Notary Public.

My Commission expires
March 15, 1997
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
October 17, 1993

Notice is hereby given of the application of Phillips Petroleum Company, 4001 Penbrook Street, Odessa, Texas 79762, Attn: L. M. Sanders, (915) 368-1488, to the Oil Conservation Division, New Mexico Energy and Mineral Department, for approval of the following water injection well authorization for the purpose of produced water injection:

Well Name: East Vacuum Gb/SA Unit #3315-001 Field: Vacuum Gb/SA

Location: 1980 feet from the South line and 660 feet from the East line, Section 33, T-17-S, R-35-E, Lea County, NM.

The water injection formation is Grayburg/San Andres at a depth of 4270'-4640' below the surface of the ground.

Expected maximum injection rate is 2000 bbls water per day and expected maximum injection pressure is 1800 pounds per square inch.

Interested parties must file objections or request for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501, within fifteen (15) days.

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

General Manager

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of

one weeks.

Beginning with the issue dated

October 17, 19 93

and ending with the issue dated

October 17, 19 93

Kathi Bearden

General Manager

Sworn and subscribed to before

me this 19 day of

October, 19 93

(Notary Public)

Notary Public.

My Commission expires
March 15, 1997
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
October 17, 1993

Notice is hereby given of the application of Phillips Petroleum Company, 4001 Penbrook Street, Odessa, Texas 79762, Attn: L. M. Sanders, (915) 368-1488, to the Oil Conservation Division, New Mexico Energy and Mineral Department, for approval of the following water injection well authorization for the purpose of produced water injection:

Well Name: East Vacuum Gb/SA Unit #3202-033 Field: Vacuum Gb/SA

Location: 990 feet from the North line and 2306 feet from the East line, Section 32, T-17-S, R-35-E, Lea County, NM.

The water injection formation is Grayburg/San Andres at a depth of 4396'-4674' below the surface of the ground.

Expected maximum injection rate is 2000 bbls water per day and expected maximum injection pressure is 1800 pounds per square inch.

Interested parties must file objections or request for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501, within fifteen (15) days.

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

General Manager

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of _____

one weeks.

Beginning with the issue dated

October 17, 19 93

and ending with the issue dated

October 17, 19 93

Kathi Bearden
General Manager

Sworn and subscribed to before

me this 19 day of

October, 19 93

Notary Public.

My Commission expires
March 15, 1997
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
October 17, 1993

Notice is hereby given of the application of Phillips Petroleum Company, 4001 Penbrook Street, Odessa, Texas 79762, Attn: L. M. Sanders, (915) 368-1488, to the Oil Conservation Division, New Mexico Energy and Mineral Department, for approval of the following water injection well authorization for the purpose of produced water injection:

Well Name: East Vacuum Gb/SA Unit #0524-129 Field: Vacuum Gb/SA

Location: 1650 feet from the North line and 990 feet from the West line, Section 5, T-18-S, R-35-E, Lea County, NM.

The water injection formation is Grayburg/San Andres at a depth of 4385'-4762' below the surface of the ground.

Expected maximum injection rate is 2000 bbls water per day and expected maximum injection pressure is 1800 pounds per square inch.

Interested parties must file objections or request for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501, within fifteen (15) days.

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Well Name: East Vacuum Gb/SA Unit #3333-002 Field: Vacuum Gb/SA

Location: 1980 feet from the North line and 1980 feet from the West line, Section 33, T-17-S, R-35-E, Lea County, NM.

The water injection formation is Grayburg/San Andres at a depth of 4350'-4650' below the surface of the ground.

Expected maximum injection rate is 2000 bbls water per day and expected maximum injection pressure is 1800 pounds per square inch.

Interested parties must file objections or request for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501, within fifteen (15) days.

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Well Name: East Vacuum Gb/SA Unit #3202-001 Field: Vacuum Gb/SA

Location: 1330 feet from the South line and 1310 feet from the East line, Section 32, T-17-S, R-35-E, Lea County, NM.

The water injection formation is Grayburg/San Andres at a depth of 4363'-4628' below the surface of the ground.

Expected maximum injection rate is 2000 bbls water per day and expected maximum injection pressure is 1800 pounds per square inch.

Interested parties must file objections or request for hearing with the Oil Conser- Division, P.O. Box

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