



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

BRUCE KING
GOVERNOR

10-29-93

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

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

SWD-538

RE: Proposed:

MC	_____
DHC	_____
NSL	_____
NSP	_____
SWD	<u> X </u>
WFX	_____
PMX	_____

Gentlemen:

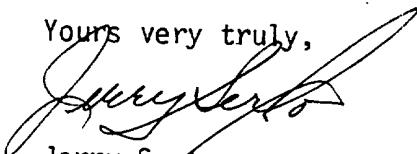
I have examined the application for the:

<u>Phillips Petroleum Co</u>	<u>Chem D State</u>	<u>#1-L</u>	<u>2-15-32</u>
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

OK

Yours very truly,


Jerry Sexton
Supervisor, District 1

- /ed

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-00335
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. K-6019
7. Lease Name or Unit Agreement Name Chem D State
8. Well No. 1
9. Pool name or Wildcat Tulok (Wolfcamp) Penn SWD
10. Elevation (Show whether DP, RKB, RT, GR, etc.) 4290' GR; 4304' RKB

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.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER SWD	
2. Name of Operator Phillips Petroleum Company	
3. Address of Operator 4001 Penbrook Street, Odessa, TX 79762	
4. Well Location Unit Letter L : 1980 Feet From The South Line and 660 Feet From The West Line Section 2 Township 15-S Range 32-E NMPM Lea County	
10. Elevation (Show whether DP, RKB, RT, GR, etc.) 4290' GR; 4304' RKB	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: Added perfs (Upper Wolfcamp) <input checked="" type="checkbox"/>

12. 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.

12-7-93 - MI&RU DDU. NU Class 2 BOP. RIH w/2-3/8" w/string, bit and scraper to 9300'. COOH w/tbg.

12-8-93 - GIH w/CCL & run log from 8800'-9200'. Shot Perfs. 8970'-8988', 9012'-9044', 100 shots. COOH.

12-9-93 - Pump acid job thru perfs. 8970'-8988', 9012-9044'. Pumped 1850 gals. 15% NeFe II acid.

12-10-93 - Press test casing to 500# psi. Pump 1800 gals (total) of 28% acid thru perfs. 8970-8988', 9012-9044'.

12-11-93 - Tag fill in 4" casing at 9648'. Top fo 4" liner 9355'. Top of packer is at 9698'. Perfs in 4" liner are 9898-10,350'. Cleaned out to a depth of 9748'.

12-13-93 - Tag fill at 9748'. Clean out to 10,070' approx. 172'. Circ. clean and pull out of liner.

(Over)

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

SIGNATURE L. M. Sanders TITLE Supv. Regulatory Affairs DATE 01-21-94
TYPE OR PRINT NAME L. M. Sanders (915) TELEPHONE NO. 368-1488

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE JAN 26 1994

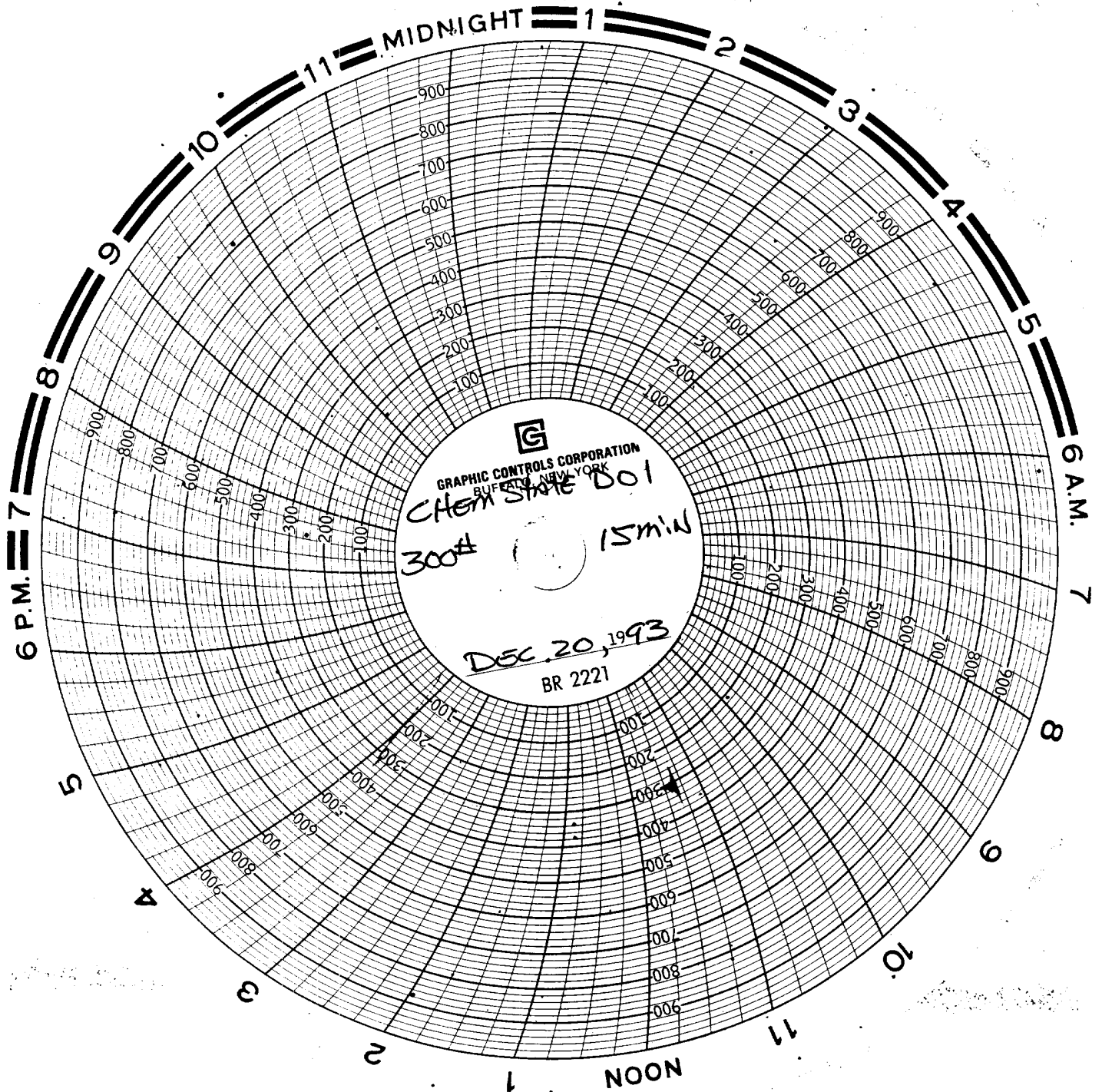
CONDITIONS OF APPROVAL, IF ANY:

Chm D State No. 1
Tulk (Wolfcamp)
API No. 30-025-00335
Lease No. K-6019
Lea County, NM
Form C-103

- 12-15-93 COOH w/remainder of 2-3/8" tubing; no fish on bottom. GIH w/2-3/8" and retrieving fishing tool . Catch fish. COOH. Recvd. 719' of 1" drill pipe. Pkr is to be set well above fish.
- 12-16-93 GIH w/pkr. & plug to 8900'. Moved pkr. to 8865'. Pressure up on csg. to 500# csg. holding. COOH w/plug and pkr. LD workstring.
- 12-17-93 COOH w/RTBP and test pkr. Laying down 2-7/8" workstring. GIH testing tubing with 2-3/8" injection string and injection packer.
- 12-18-93 GIH testing 2-3/8" 1 Pc injection string with injection packer to 8865' +/-.
- 12-20-93 Circulate pkr. fluid. Run test for NMOCD. 300# for 15-mins. RD DDU. Put well on injection.

01-21-94
AF:ehg

RegPro:AFran:ChemDSt1.103



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: Pat Culpepper Phone: 915/368-1542
- 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 ^{Amendment} ~~Expansion~~ of an existing project? ☒ yes ☐ no
If yes, give the Division order number authorizing the project R-3594.
- 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: Supervisor, Reg. Affairs
Signature: L. M. Sanders Date: 10/27/93

- * 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.

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.

Application for Authorization to Inject

PHILLIPS PETROLEUM COMPANY
CHEM STATE WELL NO. D01

III. WELL DATA

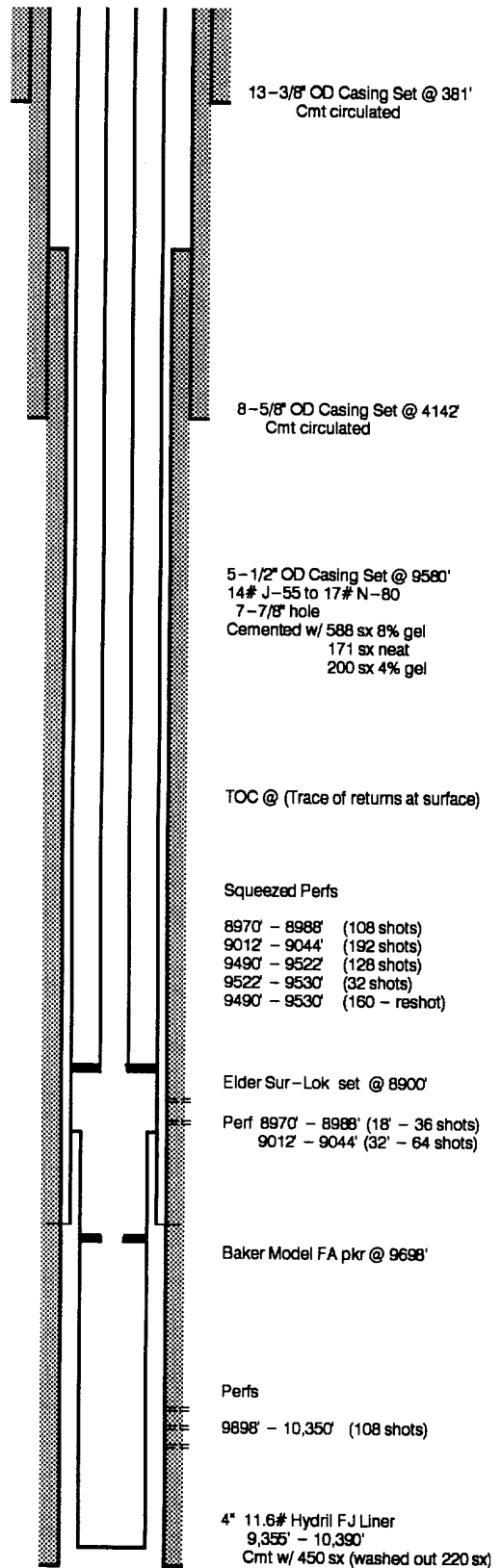
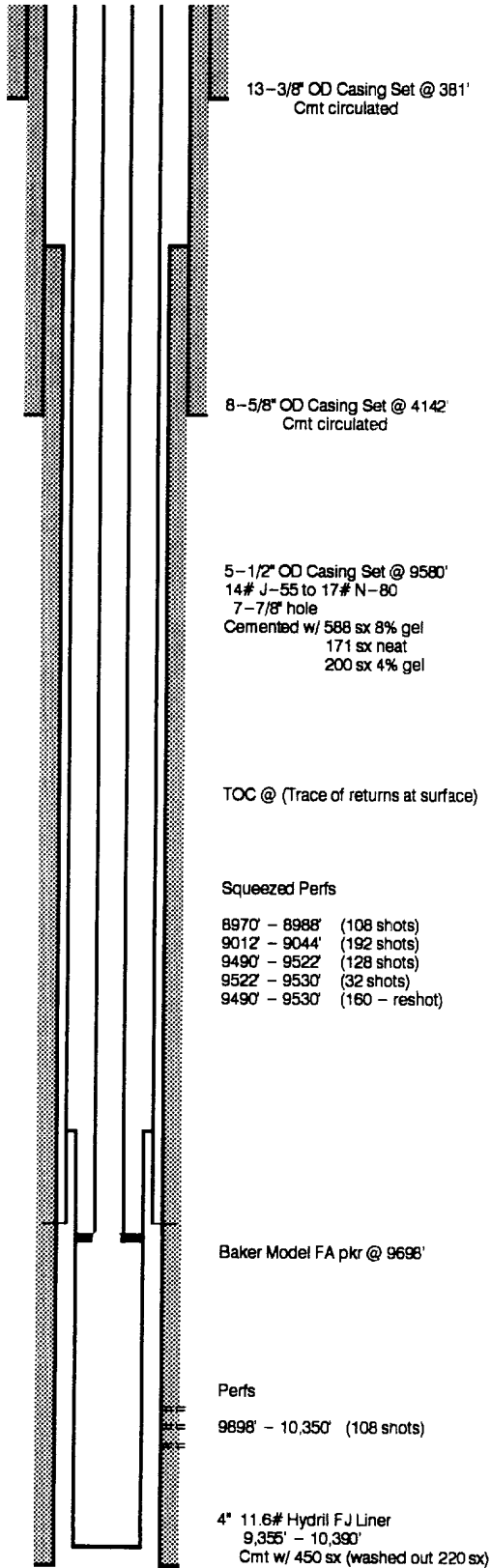
- A. 1. Name and Location: Chem State Well No. D01
1980' FSL & 660' FWL
Section 2, T-15-S, R-32-E
Lea County, New Mexico
2. Casing
- Surface: 13-3/8" OD, 27.3# and 48# H-40 set at 381'. (17-1/4" hole).
Cemented with 350 sacks; TOC at surface (cement circulated).
- Intermediate: 8-5/8" 24# J-55 to 32# J-55 set at 4142'. (11" hole).
Cemented with 2575 sacks. TOC at surface (cement circulated).
- Production: 5-1/2" 14# J-55 to 17# N-80 set at 9580'. (7-7/8" hole).
Cemented with 950 sacks. (Trace of cement returns).
- Liner: 4" 11.6# Hydril FJ liner from 9355'-10390'. (7-7/8" hole).
Cemented with 450 sx. TOC at 9355' (washed out 220 sx).
3. Tubing: 2-3/8" OD, 4.7# J-55 set at 8900'. (Salta lined)
4. Packer: Elder Sur-Lok Retrievable Packer set at 8900'.
- B. 1. Formation: Wolfcamp and Upper Penn, Tulk Field
2. Interval: 8970'-10350' perforated selectively
3. Original Intent: Well was drilled for oil production
4. Perforated Interval: See Schematic - Attachment 1
5. Productive Zones: Based upon mud log and electric responses there are no productive zones above the Wolfcamp interval. Based upon a confidential company 3-D seismic survey, there are no productive zones beneath the Wolfcamp.

Phillips Petroleum Company

Chem State Well No. D01

EXISTING DISPOSAL WELLBORE

PLANNED DISPOSAL WELLBORE



VI. WELLS WITHIN THE AREA OF INTEREST
(RADIUS OF INVESTIGATION = 1/2 MILE)

APPLICATION FOR AUTHORIZATION TO INJECT
PHILLIPS PETROLEUM COMPANY
CHEM STATE D #1

Operator	Well Name	Location	Date Completed (DEPTH FT)	Well Type	Size (in)	Surface Casing Depth (ft) Cement (sx)	Size (in)	Intermediate Casing Depth (ft) Cement (sx)	Size (in)	Production Casing Depth (ft) Cement (sx)	TOC (tt)	Initial Completion (zone)	Current Completion (zone)			
Phillips Petroleum Co.	Chem State # 2	2240' FNL & 658' FEL Sec 3, T-15-S, R-32-E Lea County, NM	28 November 1952 (9975)	oil	13-3/8	385	350	8-5/8	4120	2800	5-1/2	9911	1360	9500' - 9872' (Wolfcamp)	no change	
	Chem State # 7	680' FSL & 860' FEL Sec 3, T-15-S, R-32-E Lea County, NM	31 August 1980 (13551)	oil	13-3/8	430	450	9-5/8	4300	950	5-1/2	13531	1250	9300 C	13505 - 13531 (Devonian)	9847 - 9861 (Wolfcamp)
Santa Fe Operating Partners, LP	State NM 2 # 1	660' FSL & 860' FWL Sec 3, T-15-S, R-32-E Lea County, NM	27 July 1981 (13535)	gas	13-3/8	420	450	8-5/8	4120	1400	5-1/2	12434	1230	7960 C	12240 - 12278 (Morrow)	plugged

TOC - c - calculated w/ a 50% safety factor
-crc- cement circulated

WELL SERVICE APPROVAL - NON AFE
WILLIPS PETROLEUM COMPANY--PERMIAN BASIN REC

RKB @ 4300
 CHF @
 GL @ 4287

Date October 6, 1993

Area North Subarea Lovington
 Lease & Well No. Chem State #7, API # 30 025 26710 0003
 Legal Description 660' FSL and 660' FEL, Section 3, T15S, R32E
Lea County State: New Mexico
 Field Tulk Wolfcamp
 Status: PM BOPD BWPD MCFD
 Tbg.
 Other

Date Drilled: 9-05-80
 Hole/Casing Condition
 Stimulation History:

Workover Proposal:

Justification:

13-3/8" 54.5# @ 430'
 cmt'd w/450 sxs
 TOC Circ.

9-5/8" 40# K-55 @4300'
 Cmt'd w/950 sxs
 TOC @ 100' (T.S.)

Wolfcamp perfs:
 9847' - 9861' (28 shots)

Morrow perfs:
 11.842 - 11.853' (sqzd)
 CIBP @ 12.120'
 12.180-12.183' (4 squeeze holes)
 12.292 - 12.300'
 CIBP @ 12.310'

Mississippian perfs:
 12.366 - 12.390' (2 JSPF)
 12.415 4 holes (set EZSV ret. @ 12.405')
 DV tool @ 12.526' (didn't open) TOC @12.235'

Devonian perfs:
 13.480 - 13.485' (sqzd '81)
 13.505 - 13.512' (sqzd '80:reperf:sqzd '81)
 13.523 - 13.531' (sqzd '80)
 5-1/2" 17# N-80 to 20# N-80 @ 13.531'
 Cmt'd w/1600 sxs

TD = 13551'
 PBTD = 11672'

Operator Name: Santa FE Energy Co.

Lease & Well No. State NM 2 #1

Spud Date: 03/26/81

Legal Description 660' FSL & 660' FWL, Sec. 2, T-15-S, R-32-E

Lea County

State: New Mexico

cut off wellhead.
spot 10 sx surface plug.

17-1/2" hole
13-3/8" 54.5 # K-55 @ 420'
TOC: Circ: w/450 sx.

Date Completed: 07/27/81

P&A'd 11/06/86

spot 35 sx plug @ 420'

11" hole
8-5/8" 28# S-80 @ 4120'

TOC: Circ: w/1400 sx.

spot 35 sx plug @ 1599'

Tag plug @ 4017'

pump mud spot 75 sx plug @ 4170'

7-7/8" hole to 13,535'

pump mud spot 45 sx plug @ 5451'

Tag plug @ 6143'

Run tbg. to 6240' pump 120bbls mud spot 45 sx C1 Cplug @ 6240'

Cut csg. @ 6180' pulled 147 jts. 5 1/2".

spot 25 sx. @ 7562'

spot 25 sx. @ 8995'

spot 25 sx. @ 11,439'

Spot 25 sx. on top of PKR
TOC: on PKR @ 11,900'

PKR: @ 12,100'

Perf: 12,240' - 12,278'

5-1/2" 20# & 17# N-80 @ 12,434'
TOC: 6800' Calc. w/1230 sx.

PBTD: 13,435 w/35 sx.

TD: 13,535'

H:\WELLFILE\LOVINGTN\State^NM2.DGU

Application for Authorization to Inject

PHILLIPS PETROLEUM COMPANY CHEM STATE NO. D1

VII. PROPOSED INJECTION OPERATIONS

1. Rates: average: 100 BWPD
 maximum: 500 BWPD
2. System: closed
3. Pressures: average: 500 psi
 maximum: 1794 psi
4. Fluid: Produced water analysis from the Phillips Chem State Lease (Wolfcamp formation). See Attachment 4.
5. Disposal Zone: The Wolfcamp is productive within one mile. The zone was abandoned in this well after completion because it was non-economic.

VIII. GEOLOGICAL DATA

- A. Injection Zone:
 The Wolfcamp has a thickness in excess of 800'. In this disposal well, the top of the formation is at 8942'. The Pennsylvanian has a thickness in excess of 400', and the top is at 9798'. Both formations are limestone.

 The zones are is characterized by shoaling-upward carbonate cycles of which grainstones are an integral part. Bioclastic, which are most common, and oolitic grainstones usually occur as the capping phase of phylloid-algal mounds in these cycles. Porosity development is dependent on subaerial exposure, which is the result of the localization of the phylloid-algal mound complexes on paleobathymetric highs on subtle paleostructures. Tectonic activity was insignificant during late Wolfcamp deposition with faulting activity contributing very little to zone isolation.
- B. Fresh Water Sources:
 Ogallala Aquifer which occurs between 200 and 300 feet from the surface.



GP.O.BOX 2187
HOBBS, N.M. 88240

PHONE: (505) 393-7726

WATER ANALYSIS REPORT

Report for: Randall Smith
cc: Pat Culpepper
cc: Scott Malone
cc:
Company: Phillips
Address:
Service Engineer: Kenny Kearney

Date sampled: 9-24-93
Date reported: 10-5-93
Lease or well # : Prd.H2O Chem.St.
County: State:
Formation:
Depth:
Submitted by: Kenny Kearney

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	74000	2087
Iron (Fe) (total)	25.0	
Total hardness	13600	
Calcium (Ca)	3448	172
Magnesium (Mg)	1215	98
Bicarbonates (HCO3)	122	2
Carbonates (CO3)	n/a	
Sulfates (SO4)	944	20
Hydrogen sulfide (H2S)	n/a	
Carbon dioxide (CO2)	43	
Sodium (Na)	42307	1839
Total dissolved solids	122037	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	
Specific Gravity	1.087	
Density (#/gal.)	9.059	
pH	6.200	
IONIC STRENGTH	2.25	

Stiff-Davis (CaCO3) Stability Index :
SI = pH - pCa - pAlk - K

SI @ 86 F = -0.74
104 F = -0.51
122 F = -0.25
140 F = +0.04
158 F = +0.36

This water is 2761 mg/l (-67.36%) under ITS CALCULATED
CaSO4 saturation value at 82 F.
SATURATION= 4099 mg/L

PRESENT= 1338 mg/L

REPORTED BY MOSES S. JIMENEZ
LAB TECHNICIAN

Application for Authorization to Inject

**PHILLIPS PETROLEUM COMPANY
CHEM STATE WELL NO. D01**

IX. PROPOSED STIMULATION PROGRAM

The Wolfcamp will be perforated from 9870'-8988' and from 9012'-9044'. The current perforations (9898'-10350') will remain open. The entire interval will be acidized with 1,800 gallons of 15% NeFe HCl.

X. LOGGING DATA

Well logs were filed after the well was drilled in 1951 and when the liner was run in 1969. Well was called the Pello State A.

XI. FRESH WATER ANALYSIS

Fresh Water Well Location- See map of radius of investigation. Only 1 source of fresh water could be located in the area.

Fresh Water Analysis- See Attachment 5.

XII. AFFIRMATIVE STATEMENT

All available geological and engineering data has been examined and no evidence of open faults or any other hydrological connection between the injection zone and underground source of drinking water was found.



GP.O.BOX 2187
HOBBS, N.M. 88240

PHONE: (505) 393-7726

WATER ANALYSIS REPORT

Report for: Randall Smith
cc: Pat Culpepper
cc: Scott Malone
cc:
Company: Phillips
Address:
Service Engineer: Kenny Kearney

Date sampled: 9-24-93
Date reported: 10-5-93
Lease or well #: Frsh.H2O NE Ch.St.
County: State:
Formation:
Depth:
Submitted by: Kenny Kearney

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	700	20
Iron (Fe) (total)	0.0	
Total hardness	310	
Calcium (Ca)	104	5
Magnesium (Mg)	12	1
Bicarbonates (HCO3)	97	2
Carbonates (CO3)	n/a	
Sulfates (SO4)	43	1
Hydrogen sulfide (H2S)	n/a	
Carbon dioxide (CO2)	n/a	
Sodium (Na)	369	16
Total dissolved solids	1327	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	
Specific Gravity	1.000	
Density (#/gal.)	8.334	
pH	6.800	
IONIC STRENGTH	0.03	

Stiff-Davis (CaCO3) Stability Index :

SI = pH - pCa - pAlk - K

SI @ 86 F = -0.53
104 F = -0.31
122 F = -0.08
140 F = +0.16
158 F = +0.41

This water is 2235 mg/l (-97.30%) under ITS CALCULATED
CaSO4 saturation value at 82 F.
SATURATION= 2297 mg/L PRESENT= 62 mg/L

REPORTED BY MOSES G. JIMENEZ
LAB TECHNICIAN

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 20, 1993

and ending with the issue dated

October 20, 1993

Kathi Bearden
General Manager

Sworn and subscribed to before

me this 21 day of

October, 1993

Charles Perrin

Notary Public.

My Commission expires

March 15, 1997

(Seal)

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

LEGAL NOTICE
October 20, 1993

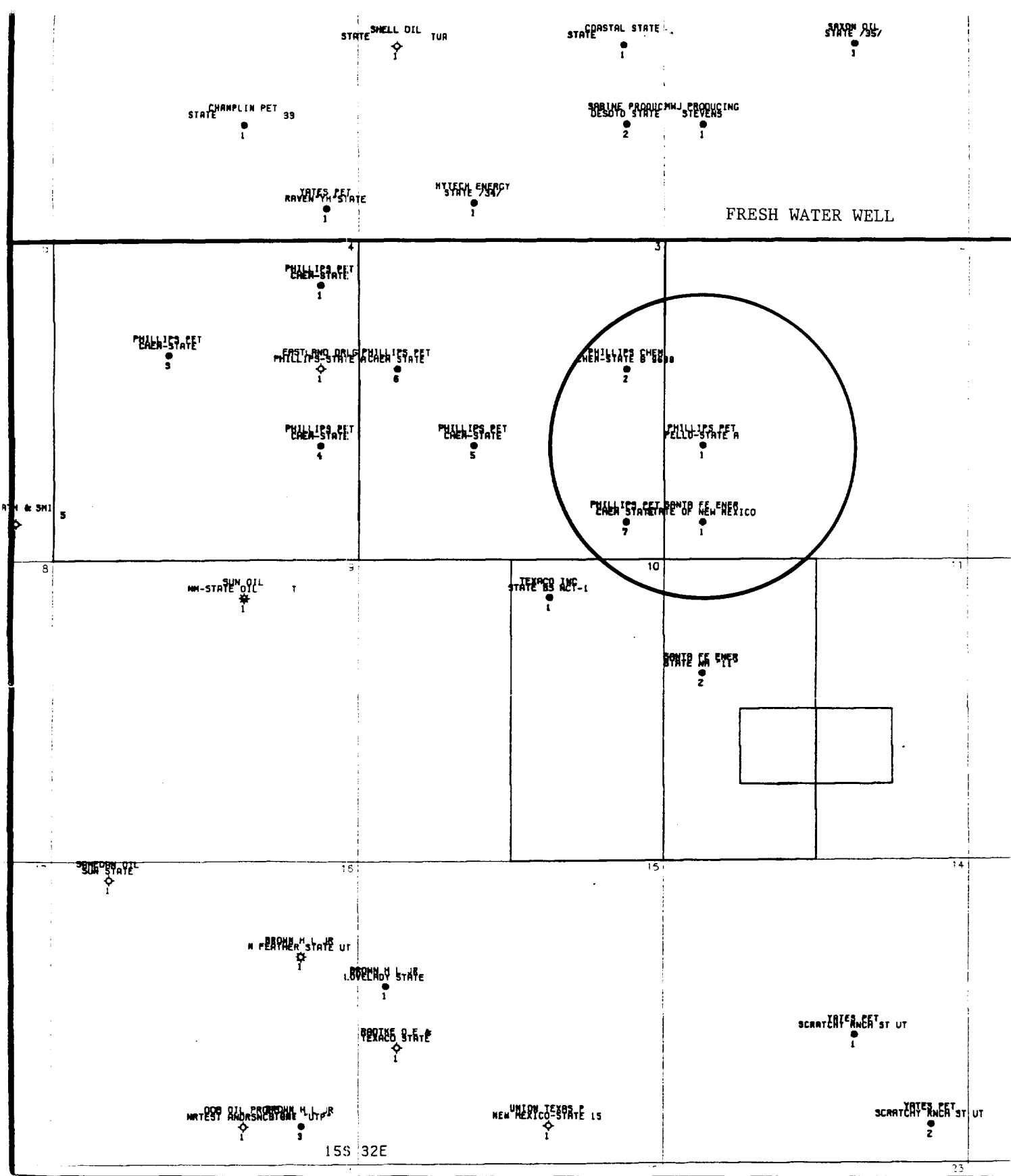
Notice is hereby given of
the application of Phillips
Petroleum Company, 4001
Penbrook Street, Odessa,
Texas 79762, Attn: L. M.
Sanders, (915) 368-1488, to
the Oil Conservation Divi-
sion, New Mexico Energy
and Mineral Department, for
approval of the following
Disposal well authorization
for the purpose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

Well name: Chem State
Well No. DO1

Location: 1980 feet from
the South line and 660 feet
from the West line. Section
2, T-15-S, R-32-E, Lea Coun-
ty, NM. The Disposal forma-
tion is Wolfcamp and Upper
Penn at a depth of 8970'-
10350' below the surface of
the ground.

Expected maximum injec-
tion rate is 500 bbls water
per day and expected max-
imum injection pressure is
1794 pounds per square
inch.

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



MAP LEGEND

CULTURE DATA:

- STATE OUTLINE
- COUNTY OUTLINE
- TOWNSHIP
- SECTION - BLOCKS
- LOTS

USMF WELLS

- ◇ DRY HOLES
- OIL WELLS
- ☆ GAS WELLS
- ★ GAS & CONDENSATE
- ✱ MULTIPLE COMP., OIL
- ✱ MULTIPLE COMP., GAS
- ✱ MULTIPLE COMP., GAS & COND
- ✱ MULTIPLE COMP., OIL & GAS
- JUNKED & ABANDONED
- ◇ INJECTION, SERVICE WELL
- + DATA MISSING

SURFACE LOCATION

- OPER
- LSE
- WNO



PHILLIPS PETROLEUM COMPANY
ODESSA E&P



CHEM STATE #D-1

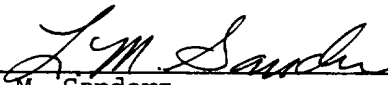
(FORMERLY PELLO-STATE A)

SEC. 2 T-15-S, R-32-E
CREATED BY: LEE SAMMICKS

V. 1/2 MILE RADIUS
OF PROPOSED WATER DISPOSAL
PHILLIPS PETROLEUM COMPANY

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 27, 1993.

Signed: 
Name: L. M. Sanders
Title: Supervisor, Regulatory Affairs
Date: Oct. 27, 1993

Surface Owner:

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

Offset Operator:

Santa Fe Energy
500 W. Illinois
Midland, Texas 79701

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-00335
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. K-6019
7. Lease Name or Unit Agreement Name Chem D State
8. Well No. 1
9. Pool name or Wildcat Tulk (Wolfcamp)

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.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER SWD	
2. Name of Operator Phillips Petroleum Company	
3. Address of Operator 4001 Penbrook Street, Odessa, TX 79762	
4. Well Location Unit Letter L : 1980 Feet From The South Line and 660 Feet From The West Line Section 2 Township 15-S Range 32-E NMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4304' RKB; 4290' GL	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: Add Perfs (Upper Wolfcamp) ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. 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.

- MIRU DDU. Install Class 2 BOP. RIH w/bit and scraper on 2-3/8" workstring +/- 9300'. (Liner top is at 9355') COOH.
- GIH w/4" casing guns, and perf. the following intervals at 2 SPF: 8970'-8988' (18' - 36 shots); 9012'-9044' (32' - 64 shots).
- GIH w/injection string: a) 1.5" R profile nipple; b) 5-1/2" Elder Sur-Lok pkr, nickel coated. Packer and all subs to be plastic coated internally; c) On/Off tool; d) +/- 8900' 2-3/8" Salta lined tubing (current injection string). Pressure test tubing to 4000 psi while GIH.
- Set packer at +/- 8900'. Set plug in R nipple, release tubing from packer and circulate inhibited brine. Latch tubing into packer. Retrieve plug.
- Acidize perfs. with 1850 gals 15% NeFe HCl.
- Pressure annulus to 500 psi and record chart. Start well on injection, monitoring rate and pressure. Notify NMOCD 24 hrs. prior to test to witness.

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

SIGNATURE L. M. Sanders TITLE Supv. Regulatory Affairs DATE 12-07-93
TYPE OR PRINT NAME L. M. Sanders TELEPHONE NO. (915) 368-1488

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

DEC 10 1993

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-025-00335

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
K-6019

7. Lease Name or Unit Agreement Name

Chem D State

8. Well No.
1

9. Pool name or Wildcat
Tulk (Wolfcamp)

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.)

1. Type of Well:
OIL WELL ☐ GAS WELL ☐ OTHER SWD

2. Name of Operator
Phillips Petroleum Company

3. Address of Operator
4001 Penbrook Street, Odessa, TX 79762

4. Well Location
Unit Letter L : 1980 Feet From The South Line and 660 Feet From The West Line

Section 2 Township 15-S Range 32-E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
4290.20' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: Check for Casing leak ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. 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.

- MI and RU DDU. Install Class II BOP. Release packer and COOH w/2-3/8" injection string.
- RIH w/4" RBP, 60' workstring and 5-1/2" RTTS-type packer. Workstring to be 2-3/8" N-80, with the bottom 1100' having hydril couplings.
- Set RBP at + 9300'. Locate leak. Establish injection rate and pressure. Cement squeeze procedure will follow.

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

SIGNATURE L. M. Sanders TITLE Supv., Regulatory Affairs DATE 03-18-93
TYPE OR PRINT NAME L. M. Sanders TELEPHONE NO. (915) 368-1488

(This space for State Use)

ORIGINAL MONDED BY JERRY GENTON

APPROVED BY JERRY GENTON TITLE Supv., Regulatory Affairs DATE MAR 22 1993

CONDITIONS OF APPROVAL, IF ANY: