Tenneco Oil Exploration and Production

A Tenneco Company

Southwestern Division

6800 Park Ten Blvd. • Suite 200 North San Antonio, Texas 78213 (512) 734-8161 TENNECO

December 6, 1982

New Mexico Oil Conservation Division P. O. Box 2088
Sante Fe, New Mexico 87501

Attn: Mr. Joe O. Ramey

Division Director State Petrolem Engineer Case 7766

Re: Application for the

Conversion of Jones Federal No. 1 to a Saltwater Disposal

Well

Dear Sir:

In accordance with Rule 701 B and C, Tenneco hereby requests a permit to inject saltwater into the above referenced well.

We have attached form C-108 with all pertinent data, maps, water analysis, and schematics. The saltwater from this well will come from the Jones Federal, Jones Federal B, and Jones Federal C leases.

If any further information is necessary, please contact Ulises Zamora at (512) 734-8161, extension 306.

Sincerely,

TENNECO OIL COMPANY

J. G. Strother

Division Production Manager

JGS/DUZ/dt/0272B Attachments Certified Mail

THIS WILL REQUIRE A HEARING

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION FORM C-108 Revised 7-1-81 POST OFFICE BOX 20HH STATE LAND OFFICE BUILDING

SANTA FE NEW MENICO 8/50

EC 1 0 1982

Case >766

APPLICATION F	OR AUTHORIZATION	1 TO INJECT

Ι.	Purpose: Applica	Secondary Recovery Pressure Maintenance X Disposal Storage tion qualifies for administrative approval? Xyes Inc
II.	Operator:	Tenneco Oil Company
	Audress:	6800 Park Ten Blvd. Suite 200 North, San Antonio, Texas 78213
	Contact pa	rty: Ulises Zamora Phone: (512) 734-8161, Ext. 306

- 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.
- Is this an expansion of an existing project? ____\ \es If yes, give the Division order number authorizing the project
 - 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 ٧. 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:
 - 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. None
- Χ. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- Attach a chemical analysis of fresh water from two or more fresh water wells (if XI. available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
 - Applicants for disposal wells must make an affirmative statement that they have XII. 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.
- Applicants must complete the "Proof of Notice" section on the reverse side of this form. XIII.
- 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:U	<u>lises Zamora</u>		Title Production Engineer
Signature:	Whier Z	amora	Date: December 6, 1982

* 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.

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.

- 8. 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.

New Mexico 13 3/8", 48#, casing set at 514', 500 sxs cement, 17 1/4" hole (cement circulated to surface) $8\ 5/8"$, 32# & 24# , casing set at 4005' , 2150 sxs cement, 11" hole (top of cement at 2200' by temperature -70c2200 survey) is her is temp survey 2 3/8" N-80 8rd EUE tubing (Internally plastic coated) set at 11,042' 2005 5 1/2", 17# & 20#, casing set at 12,785', 900 sxs cement, 7 7/8" hole (top of cement at 7420' by cement bond log) Walter of $5\ 1/2$ " Baker "Lok-Set" packer set at 11,042'. Lusk (Strawn) 11,174'-82' 11,186'-94' 11,212'-19' 11,232'-36' Morrow - T 12,240 PBTD 11,252'

TD 12,853'

Location: Unit K, 1650' FSL,

1650' FWL, Sec. 23, T19S, R31E, Eddy County

Α.	Wel	1 Type	Barton	Federal No. 2 Oil		Federal No. 4 (Dry Hole)
В.	Con	struction				
	1.	13 3/8" csg set @ Cement top at -	-	708' surface		690' surface
	2.	8 5/8" csg set at Cement top at -	-	3964' 2000'		3213' 2000'
	3.	4 1/2" production set at - Cement top at -	csg	11377' 9620'		none set
	4.	Open perforations		11312'-11322'		none
	5.	Squeezed perforati	ons	none		none
С.	Date	e Drilled		2/1/65		8/21/65
D.	Loca	ation		660' FSL, 660' FI T19S, R31E, Sec. Eddy County, N. M	22	660' FNL 990' FWL T19S, R31E, Sec. 26 Eddy County, N. M.
Ε.	Dept	th		11378'		11539'
F.	Rec	ord of Completion		3/19/65		9/22/65
G.	See	Attachment for com	pletion	reports, plugging	g reports	s, and

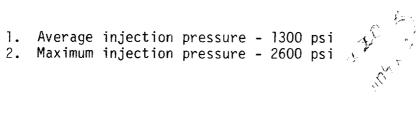
See Attachment for completion reports, plugging reports, and schematics of plugged wells on Barton Federal No. 2 and Jones B Federal No. 4.

VII.

Α.

- 1. Proposed average injection rate 450 BPD
- 2. Maximum injection rate 600 BPD
- 3. Anticipated daily injection volume (bbls):
 - a. Minimum 400
 - b. Maximum 600
- B. System is Open

С.



A. Well Data

- 1. Jones Federal No. 1 Unit K, 1650' FSL, 1650' FWL, Sec. 23, TT9S, R31E, Eddy County, New Mexico.
- 2. Casing a. 13 3/8", 48#, casing set at 514', 500 sxs cement, 17 1/4" hole (cement circulated to sentence).
 - b. 8 5/8", 32#, 24#, casing set at 4,005', 2150 sxs cement, 11" hole (top of cement at 2,200' by temperature survey).
 - c. 5 1/2", 17# & 20#, casing set at 12,785', 900 sxs cement, 7 7/8" hole (top of cement at 7,420' by cement bond log).
- 3. Tubing 2 3/8" N-80 8rd EUE tubing (internally plastic coated) set at 11,042'.
- 4. Packer 5 1/2" Baker "Lok-Set" packer set at 11,042'.

В.

1.

- a. Injection formation Strawn
- b. Field Lusk
- 2. Injection interval 11,174'-236' (perforated).
- 3. Original purpose of well Oil well.
- 4. Other perforated intervals
 - a. 12,679-89', 2,510-28', 12,422-34'
 - 1. cast iron bridge plug was set at 12,365'.
 - b. 11,484'-507', 11,466'-470', 11,368'-76', 11,357'-64', 11,308'-28', 11,292-97'.
 - Baker K CI cement retainer was set at 11,273'. Squeezed below retainer w/50 sxs of cement.

5.

- a. Depth of top of next higher oil or gas zone in the area of the well 10440. Formula
- b. Depth of top of next lower oil or gas zone in the area of the well - 12240.

V. Attached

December 6, 1982

RE: CONVERSION OF JONES FEDERAL #1 TO SALTWATER DISPOSAL WELL

I have examined available geological data, including well logs, and have not found any faulting from the Strawn to surface in the area of the subject well. The proposed perforations at 11,174 - 11,236 should be of no hazard to the aquifers which are no deeper than 900 feet in this area.

Ladell Collier

Sr. Geological Engineer

adell Collies

LC/dt/0277B

P235328946 P235328962 RECEIPT FOR CERTIFIED MAIL RECEIPT FOR CERTIFIED MAIL NO INSURANCE COVERAGE PROVIDED-NO INSURANCE COVERAGE PROVIDED-**NOT FOR INTERNATIONAL MAIL** NOT FOR INTERNATIONAL MAIL (See Reverse) (See Reverse) CERTIFIED FEE CERTIFIED FEE CONSULT POSTMASTER FOR FEES SPECIAL DELIVERY SPECIAL DELIVERY RESTRICTED DELIVERY RESTRICTED DELIVERY 뜺 SHOW TO WHOM AND DATE DELIVERED SHOW TO WHOM AND DATE DELIVERED CONSULT POSTMASTER 70 SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY SHOW TO WHOM, DATE. AND ADDRESS OF DELIVERY OPTIONAL SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY TOTAL POSTAGE AND FEES TOTAL POSTAGE AND :250 POSTMARK OR DATE Apr. Form 3800, Form 3800,

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A . Late .

Jones "B" Federal #4
VI. G Unit D, Sec 26, T195, R31E

LUSK STRAWN FIELD

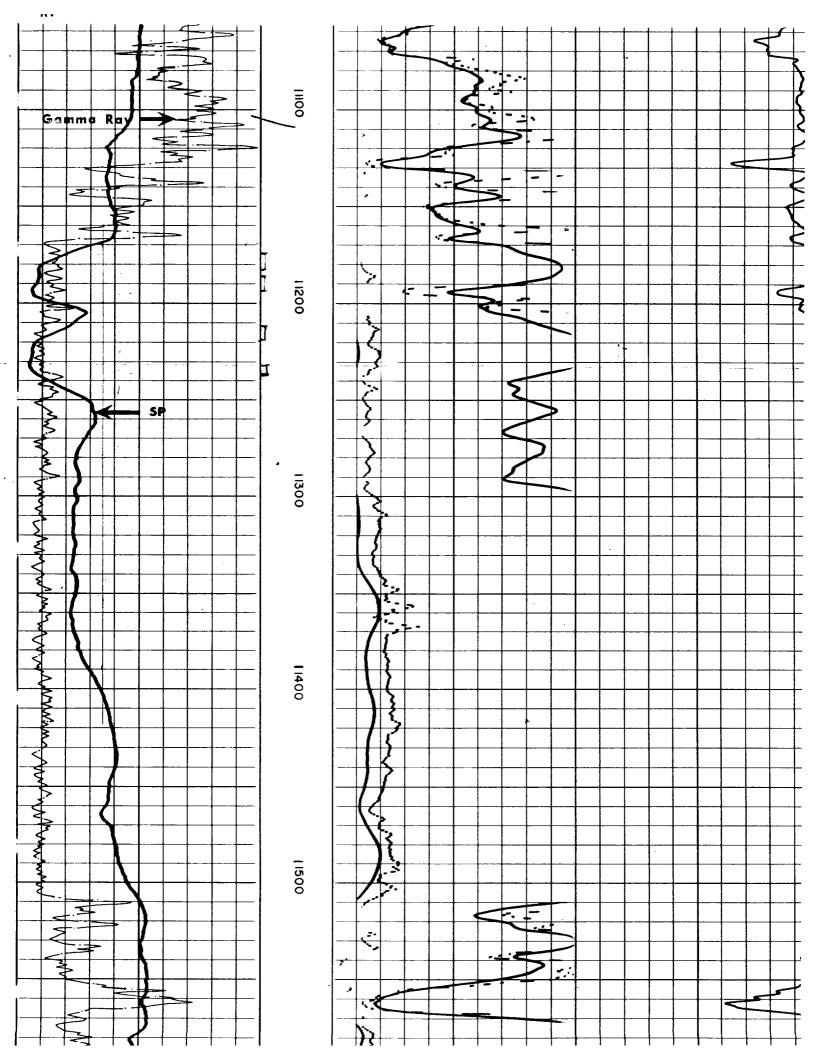
EDDY COUNTY, NEW MEXICO

(Well Plugged & Abandoned in 1965)

DEPT.

DATE

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Form 1-331 (May 1963)	VITED STATES	SUBMIT IN TY LICE TERIOR (Other Instruction)	CATRO Form approved. Budget Bureau No. 42-R1424. G. LEAST DEBIGNATION AND SERIAL NO.
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		plug back to a different reservoir, such proposals.)	
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2. NAME OF OPERATOR	MER	4 4 4000	8. FARM OR LEASE NAME
Tenneco Oil Company	א שבט	1 0 1982	Jones "B" Federal
Box 1031, Midland,	Texas or	001Vpn	4
4. LOCATION OF WELL (Report location See also space 17 below.)	clearly and in accordance wit	The aby State requirements.	10. FIELD AND POOL, OR WILDCAT
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14. PERMIT NO.	16. ELEVATIONS (Show when	(her DF, RT, GR, etc.)	12. COUNTY OR PARISH 13. STATE
	3518 G	L '	Eddy New Mexic
16. Check A	Appropriate Box To Indica	ate Nature of Notice, Report,	, or Other Data
NOTICE OF INT		•	UBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CABING
BHOOT OR ACIDIZE	ABANDON®	SHOOTING OR ACIDIZIN	G ABANDONMENT -72
REPAIR WELL	CHANGE PLANS	(Other)	results of multiple completion on Well
(Other)	PERATIONS (Clearly state all no	Completion or Re	ecompletion Report and Log form.) dates, including estimated date of starting any vertical depths for all markers and rones perti-
Well has been plugged as Set 100' plug 11,300 - 1 Set 100' plug 16,350 - 1 Set 100' plug 6,950 - Set 100' plug 4,450 - 4 Set 100' plug 3,160 - 3 Mud laden fluid spotted off and recovered. Fina	1,400 (across Ree: 0,450 (across T Wo 9,020 (T/2nd B.S. 6,850 (across T/E: ,550 (across T/E: ,260 (across base between all plugs.	olfcamp lime) sand) .S. lime) elaware sand) e of 8-5/8" casing) . Well is T.A. until	casing can be cut
18. I hereby certify that the foregoing	is true and correct		
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APPROVED BY	TITLE		DATE DATE
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SEP 2 : 1965 RUDOLPH C. BATER. JR. ACTING DISTRICT ENGINEER	*See Instruc	tions on Reverse Side	Constitution of the consti
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US ED STATES DEPARTMENT OF THE INTERIOR

BUBMIT IN TRICETATE (Other instructs) on reverse side)

Form approved.
Budget Bureau No. 42-R1424

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14. TERRIT FO. 15. C. C. ANTERNA. OFFICE 16. TERRIT FO. 16.	See also space 17 below.) At surface	<u> </u>	JWIA TA 1900	Undesignat	od Flick
ARTERIA, OFFICE Sec. 26. T.19.5 R.31. 18. ELEVATIONS (Show whether pr. st. cs. etc.) 35.18 GL Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data ARTERIA SHOT OF FOLL OR ALTER CASING HOUTIFUE COMPLETE ALTERIA CASING WATER SHOT OF FRACTURE TRANSPORT FOLL OR ALTER CASING MULTIFUE COMPLETE ALTERIA CASING MULTIFUE COMPLETE ALTERIA CASING MULTIFUE COMPLETE ALTERIA CASING MULTIFUE COMPLETE ALTERIA CASING MATER SHOT OF : WATER SHOT OF : WATER SHOT OF : WATER SHOT OF : REPAINING WELL (Other) (Other	660' FNL & 990' FWL	of Section 26	n r. r.	11. BEC., T., R., M., O	B BLK. AND / /
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DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY. WELL COMPLETION OR RECOMPLETION REPORT AND LOG* In TYPE OF WELL: WELL OIL T. CIT T. CHIT AGREEMENT NAMB TO LOG OIL T. CIT T. CHIT AGREEMENT NAMB T. CHIT AGREEMENT
GEOLOGICAL SURVEY. MA 0107697
WELL COMPLETION OR RECOMPLETION REPORT AND LOG* In TYPE OF WELL: OIL OAR WELL OBY WELL: ONTO COMPLETION: NEW WORK DEEP PLUE DAY OTHER LOGS REYN BACK I.B., MD A TYD 2. NAME OF OFFRATOR At surface 660' FNL & 990', FWL of Sec. 26 At top prod. interval reported below At total depth If. PERMIT NO. DATE ISSUED 16. DATE T.D. REACHED 17. DATE CONFL. (Ready to prod.) 15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE CONFL. (Ready to prod.) 15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE CONFL. (Ready to prod.) 16. PERMIT NO. DATE ISSUED 17. CNIT AGREEMENT NAME 10. FIELD AND COLLEGE OR WILLOW 10. PIELD AND FOOL OR WILLOW 11. PERMIT NO. DATE ISSUED 12. COUNTE OR AND OR AND Sec. 26, T-19-S,R-1 13. STATE Bddy New N. 14. PERMIT NO. DATE ISSUED 15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE CONFL. (Ready to prod.) 16. PERMIT NO. DATE ISSUED 17. CNIT AGREEMENT NAME 10. FIELD AND FOOL OR WILLOW 10. FIELD AND FOOL OR WILLOW 11. PERMIT NO. DATE ISSUED 12. CASING RECORD (Report all strings set in well) 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. CASING RECORD (Report all strings set in well) CASING SIZE CASING RECORD (Report all strings set in well) CASING RECORD AMOUNT FOR
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2. ADDRESS OF OPERATOR BOX 1031 Midland, Texas 4. LOCATION OF WELL (Report idention clearly and in accordance with any Solid Regular mends At sourface 660' FNL & 990° FWL of Sec. 26 At top prod. interval reported below At total depth 11. PERMIT NO. DATE ISSUED 12. COUNTY OR 13. STATE PARISH Eddy New N 15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF. REB. HT. CR. ETC.)* 19. ELET. CASINGE 11. Sec. 26, T-19-S,R- 12. COUNTY OR 13. STATE PARISH Eddy New N 15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF. REB. HT. CR. ETC.)* 19. ELET. CASINGE BOX 1031 MIDLAND 11. Sec., T.R., M., OR BLOCK AND OR AREA 11. Sec., T.R., M., OR BLOCK AND 12. COUNTY OR 13. STATE PARISH Eddy New N 15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF. REB. HT. CR. ETC.)* 19. ELET. CASINGE BOX 1074 DEPTH, MD A TYD 21. FLUG, BACK T.D., HD A TYD 22. IF MULTIPLE COMPL., DATE LOCA BY DATE LOCAL DEPTH AND 15. WAS DIRECT SCREET MAN 16. PIELD AND POOL, OR WILLOCK 17. WAS WELL CORE BOX 1074 DEPTH SET (MD) 10. PIELD AND POOL, OR WILLOCK 11. SEC., T.R., M., OR BLOCK AND 11. SEC., T.R., M., OR BLOCK AND 12. COUNTY OR 13. STATE PARISH 16. PIELD AND POOL, OR WILLOCK 17. SEC., T. T. T., M., OR BLOCK AND 18. ELEVATIONS (DF. REB. HT. CR. ETC.)* 19. ELET. CASINGE 10. PIELD AND POOL, OR WILLOCK 11. SEC., T.R., M., OR BLOCK AND 11. SEC., T.R., M., OR BLOCK AND 12. COUNTY OR 13. STATE 14. PERMIT NO. 15. DATE SEC., T. T. T., M., OR BLOCK AND 16. ELEVATIONS (DF. REB. HT. CR. ETC.)* 19. ELET. CASINGE 10. PIELD AND POOL, OR WILLOCK 11. SEC., T.R., M., OR BLOCK AND 11. SEC., T.R., M., OR BLOCK AND 12. COUNTY OR 13. STATE 14. PERMIT NO. 15. DATE INSTERD 16. DATE INSTERD 17. DATE INSTERD 18. ELEVATIONS (DF. REB. HT. CR. ETC.)* 19. ELET. CASINGE 10. PIELD AND POOL, OR WILLOCK 11. SEC., T.R., M., OR BLOCK AND 11. SEC., T.R., M., OR BLOCK AND 11. SEC., T.R., M., OR BLOCK
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8:5/8 32# 3213 11 250sx 1237
29. LINER RECORD .30. PROFILE RECORD
SIZE TOP (MD) BOTTON (MD) SACKS CEMENT SCREEN (MD) SIZE TOPTH SET (MD) CAN REAL OF CAN REA
31. PERFORATION RECORD (Interval, size and number)
PERTY INTERNAL (MD) AND VIEW OF WATERIAL L'ORD
none none
none
PRODUCTION ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing of pump)
shut-in)
TATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR OIL-BEL. GAS-MCF. WATER-BEL. GAS-OIL KATIO
TEST PERIOD
LOW, TUBING PRESS. CASING PRESSURE CALCULATED OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY-AFI (CO
4. DISPOSITION OF GAS (Sold, need for fuel, vented, etc.)
5, LIBT OF ATTACHMENTS
Log as shown in section 26. 6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

Barton Federal #2 VI. G Unit P, Sec 22, 7195, R31E EDDY COUNTY, NEW MOXICO (Well Plugged and Abandoned in 1972) Growe 18 vel coment plug at surface 2-172" hole - Cement plug from 660 40 760' 138" esq@ 708' - Top of 85 "Csg@ 931" - Cament plug from 881' to 981' Top of concit@ 2000' - Concrit plug from 3915 1 to 40151 11 88 esq @ 3967 ar coment plug from 5400' to 5500' - cement plug from 6880' to 6930' - Cement plug from 7506 to 2606' 2-10p of 42" Cag @ 7556' Top of cement @ 9620' SCIEPE 11,150 with 25 ex coment cap Perforations @ 11,312'-322' 42" Csq @ 11,377'

TD @ //,278'

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Secretary and the secretary of the secretary and secretary	
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DEPARTMENT OF THE INTERIOR (Other Instruction) re-	5. LEASE PRICE COMPANY AND MENALS TO
GEOLOGICAL SURVEY	LC: 063696 复基。 (1965)
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTER OR TRIBE NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	
THE TOWNS CONTROL OF THE PARTY	7. UNIT AGREMENT NAME
CAS COLLAR COLLA	
2 NAME OF OPERATOR	8. PARM OR LEASE MAND
Tenneco Oil Company	Barton Federal
& ADDRESS OF OFERATOR	9. WHILL HOS IS
Suite 1200 - Lincoln Tower Bldg Denver, Colo	2 4 2 2
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.	10. FIRED AND POOL, OR WILDOAT
See also space 17 below.)	
Fig. 2-70 of At surface 1992 of 1992 o	Lusk Strawn
	11. SSC., T., B., M., OR BLK. AND
660' F/SL and 660' F/EL3	
	Sec. 22. T19S R318
14. PREMIT NO.	12. COUNTY OR PARISH 18. STATE
	P.J.
3501 GR	Eddy New Mexico
Check Appropriate Box To Indicate Nature of Notice, Report, or C	ther Data
NOTICE OF INTENTION TO:	ANT REPORT OF
PULL OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL
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SHOOT OR ACIDIES ABANDON SHOOTING OR ACIDISING	ABANDON MENTO
CHANGE PLANS (Other)	
(Other)	of multiple completion on Well was etion Report and Log form.)
17 DESCRISE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates,	including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertica next to this work.)	depths for all markers and sones perti-
	104
Well plugged and abandoned as follows: Shot & pulled 4	1/2 casing from
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Surface Surface	TO THE STATE OF TH
Installed dry hole marker & cleaned location	
18. I hereby certify that the foregoing is true and correct	
SIGNED SIGNED ST. Production Clerk	DATE 8-15-72
(This space for Federal or State office use)	
APPROVED BY TITLE	DATE
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*See Instructions on Reverse Side	
A. L. BEEKIMAN See Instructions on Reverse Side	
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HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES MIDLAND DIVISION HOBBS, NEW MEXICO 88240

LABORATORY WATER ANALYSIS

No. W82-553

To Tenneco Oil Compa	any	Date5-24-82
6800 Park Ten Bly	d., Suite 200 North	This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published
San Antonio, Texa	as	or disclosed without first securing the express written approve of laboratory management; it may however, be used in the course of regular business operations by any person or concer
ATTN: Mr. Bob Mat	chias	and employees thereof receiving such report from Halliburto Company.
Submitted by		Date Rec. <u>5-22-82</u>
Well No. <u>As Marked</u>	Depth	Formation
County	Field	Source
	Jones "B" #2	Jones Federal #2
Resistivity	0.075 @ 72°F.	0.069 @ 74°F.
Specific Gravity	3 000	1.080
рН	6.6	6.5
Calcium (Ca)	1,640	_1,650 *MP
Magnesium (Mg)	Nil	Nil
Chlorides (CI)	83,000	83,000
Sulfates (SO ₄)	410	70
Bicarbonates (HCO ₃)	185	160
Soluble Iron (Fe)		Light
Remarks:		*Milligrams per liter
	Respectfull	submitted,
Analyst: <u>Esquivel</u>		HALLIBURTON COMPANY
, cc:		By W. J. Brewer

NOTICE

- D. Attached
- E. Disposal zone (Strawn formation) is productive of oil within one mile of the proposed disposal well (Jones Federal No. 1).

VIII.

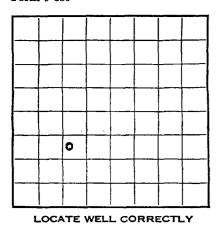
- A. Injection zone Lusk Strawn, limestone, 62' thick, and at a depth of 11174'.
- B. The only known water productive aquifers in the Lusk Strawn Area are in the Triassic Dockum Group at a depth between 50' and 900'. These aquifers are regional in extent.
- IX. No stimulation will be done.
- X. See attachment, logs already on file.
- XI. To the best of our knowledge, there are no available and producing fresh water wells within one mile of the proposed disposal well (Jones Federal No. 1).

Procedure For Jones Federal No. 1 SWD Conversion

- 1. File Clo8 with State of New Mexico.
- 2. File 9-331 with U.S.G.S.
- 3. TIH with Baker "Lok-Set" Packer and 2 3/8" internally plastic coated N-80 8rd EUE tubing. Set packer at 11,042' with 15,000 psi compression.
- 4. Completely fill casing annulus with 2% KCL and oxygen scavenger and corrosion inhibitor.
- 5. Install injection lines and make well ready for injection.
- 6. Begin injection.
- 7. File 9-331 with U.S.G.S.

0271B

Form 9-330



U. S. LAND OFFICE New Mexico
SERIAL NUMBER 0107697
LEASE OR PERMIT TO PROSPECT

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

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