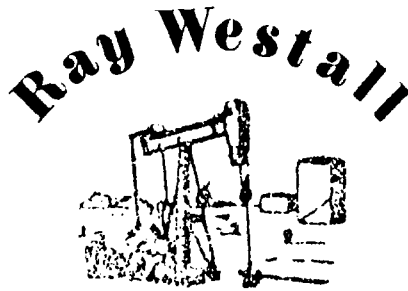


APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: Ray Westall
Address: P.O. Box 4 Loco Hills, New Mexico 88255
Contact party: Ray Westall Phone: (505) 677-3113
- 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 _____.
- 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: Ray Westall Title: Owner
Signature: Ray Westall Date: 7/11/85
- * 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.



- VI. No well within 1/2 mile has penetrated the proposed injection zone. Of the 5 wells within the 1/2 mile radius of proposed injection well they are operated by Ray Westall and Produce from the Yates Formation at a depth of less than 2350 feet.
- VII. 1. The average daily volume of 200 BPD at 1 BPM. Maximum expected of 300 BPD at 1 BPM
2. The system will be closed.
3. Average injection pressure of 300# maximum of 400#
4. Source of injection water is from the Yates formation production in
5. the Ray Westall Hawkberry Wells. (see water analysis of water from current producing Yates wells) The seven Rivers was tested in proposed injection well and it was described as salty-sulfer water (see attached well history.
- VIII. The proposed injection formation is the Seven Rivers the Log top is 2460 and the base is 3126 or the top of the Queen formation. See attached log. There is no known sources of drinking water overlying or underlying the injection interval.
- IX. Proposed stimulation of 5000 gal 15% HCl
- X. Log and Well history attached
- XI. There are no fresh water wells within one mile of location.
- XII. All available geologic and engineering data has been examined. No evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water has been found.

A copy of this application has been sent to :

BLM
P.O. BOX 1778
Carlsbad, NM 88220

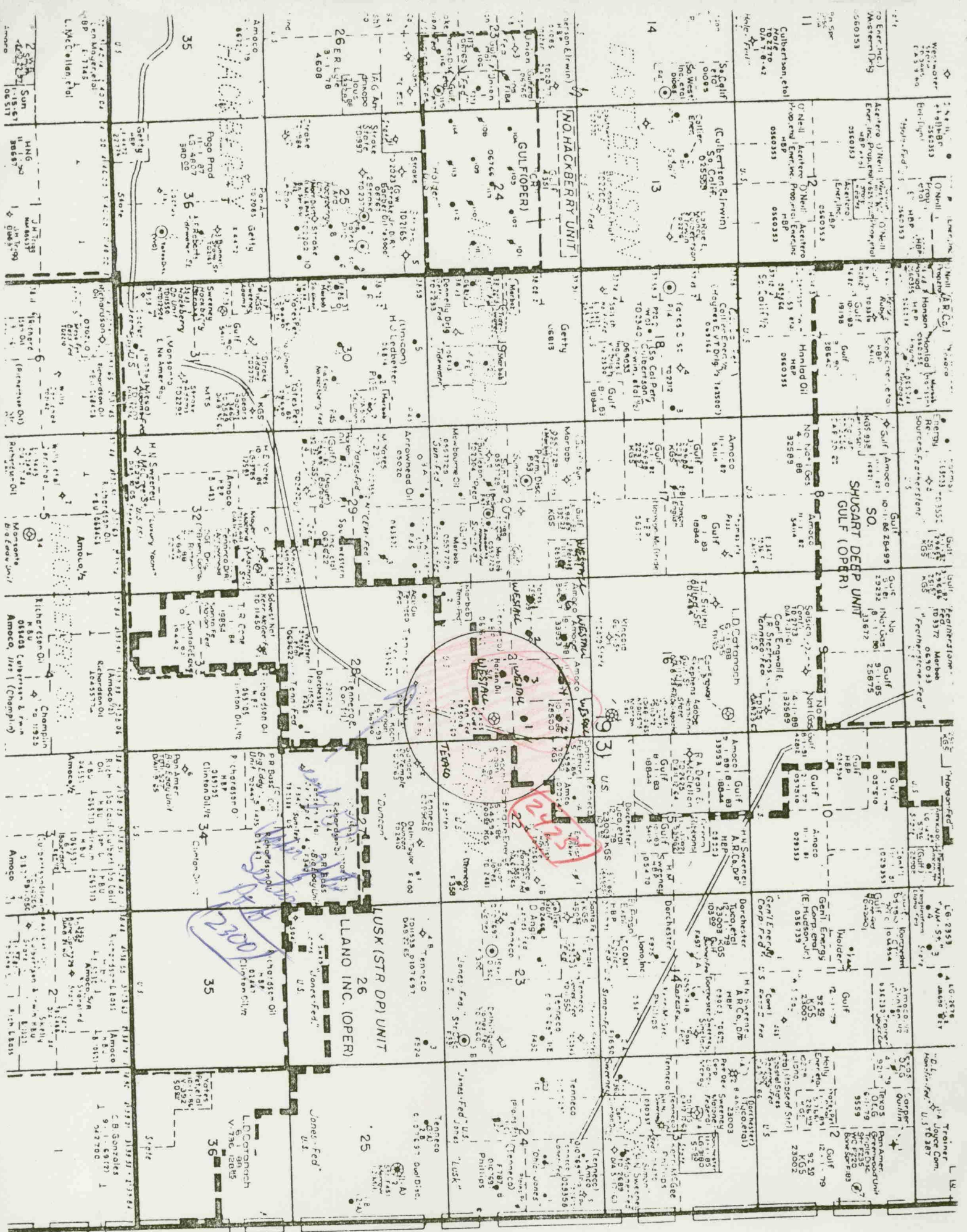
TENNECO OIL
7990 IH 10 West
San Antonio, Tx 78230

TEXAS CRUDE INC.
2100 Texas Crude Bldg
801 Travis
Houston, Tx 77002

TEXACO INC.
Box 3109
Midland, Tx 79701

SANTE FE ENERGY
500 W. Ohio
Midland, Tx 79701

Cantro Exploration
909 N.E. Loop 410
Suite 711
San Antonio, Tx 79209

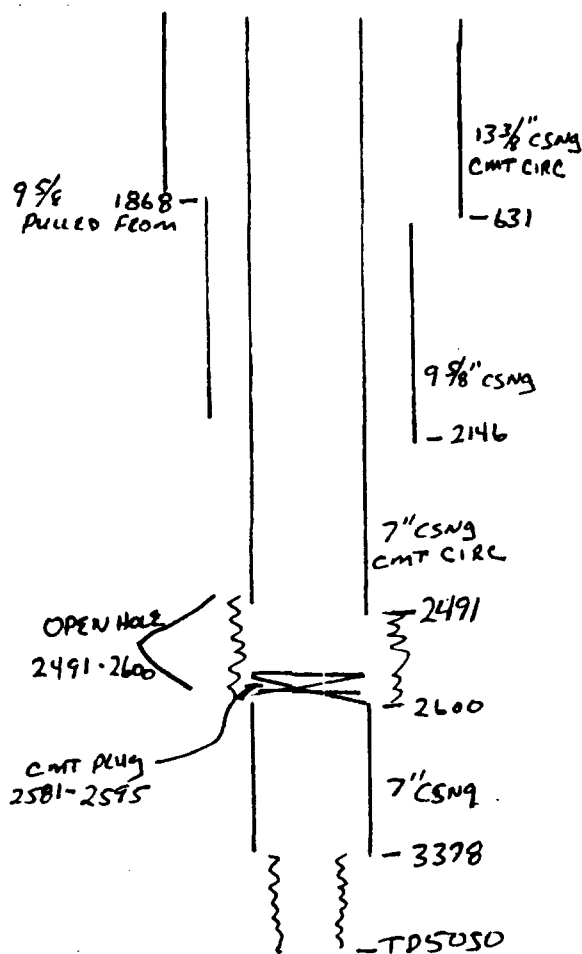


TIPS

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
Ray Westall (Form Texas Crude)		Tennessee Federal		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
1-21	1980 FSL & 660 FEL	21	T19S	R31E

Schematic



Tubular Data

Surface Casing

Size 13 3/8 " Cemented with 240 sx.TOC Circulated feet determined by _____Hole size 17 1/4

Intermediate Casing

Size 9 5/8 " Cemented with 50 sx.TOC 1823 feet determined by tempHole size 12 1/4

Long string ***** See Below

Size 7 " Cemented with 50 sx.TOC 2754 feet determined by tempHole size 8 3/8Total depth 5050

Injection interval

2420 feet to 2581 feet
(perforated or open-hole, indicate which)2420-2491 perf 2491-2581 open hole*****
Long string was cut and pulled from 2600'
then reset at 2491 and cemented with 1600 sxs
cement circulated to surfaceTubing size 2 3/8 lined with plastic set in a
(material)Backer Loc-sett packer at 2400 feet
(brand and model)(or describe any other casing-tubing seal). Cmt basket and hydromite plug at 2581-2595
will be tested and if necessary an additional
cement plug will be set

Other Data

- Name of the injection formation Seven Rivers
- Name of field or Pool (if applicable) Hackberry
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? To test Delaware and Yates

Formations

- 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) Perfs 2450-53, 2340-54, 2280-92 Cmt Plugs at 2581-2595, 2320-2250, 2020-2090, 785-710, surface
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates pay at 2292 or 128 feet above inj zone
Poss Strawn at 8000 feet or 5400 feet below inj zone

reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
SANTA FE ENERGY
500 W. OHIO
Midland, TX 79701

4. Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number
P 185 336 863

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X Wanda Wade

6. Signature - Agent

7. Date of Delivery
AUG 26 1985

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, July 1983 447-845 DOMESTIC RETURN RECEIPT

being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
TEXAS CRUDE
2100 TEXAS CRUDE BLVD
801 TRAVIS
HOUSTON TX 77002

4. Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number
P 185 336 864

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X [Signature]

6. Signature - Agent

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, July 1983 447-845 DOMESTIC RETURN RECEIPT

being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
TEXACO INC
BOX 3109
Midland, TX 79701

4. Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number
P 185 336 861

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X [Signature]

6. Signature - Agent

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, July 1983 447-845 DOMESTIC RETURN RECEIPT

reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
BLM
P.O. Box 1778
CARLSBAD, N.M. 88220

4. Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number
P 185 336 859

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X Cathy Queen

6. Signature - Agent

7. Date of Delivery
AUG 22 1985

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, July 1983 447-845 DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
CANTRIO EXPLORATION
909 N.E. LOOP 410
SUITE 711
SAN ANTONIO, TX 78209

4. Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number
P 185 336 862

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X [Signature]

6. Signature - Agent
X [Signature]

7. Date of Delivery
8-23-85

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
TENNECO OIL
7990 IH 10 WEST
SAN ANTONIO, TX 78230

4. Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number
P 185 336 86

Always obtain signature of addressee or agent and DATE DELIVERED.

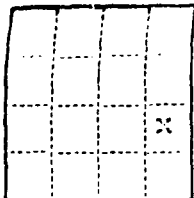
5. Signature - Addressee
X [Signature]

6. Signature - Agent
X [Signature]

7. Date of Delivery
8-26-85

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lease No. 100000
Unit 100000

FEB 4 1950

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Texas Crude Oil Company

Tennessee-Federal

Well No. 1-21 is located 1700 ft. from [N] line and 600 ft. from [E] line of sec. 21

NE/4 SE/4 Sec. 21

T-10-S

R-01-E

MP.

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Wildcat

Elk County

Tex. 10-10

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 2300 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We have plugged the above well in the following manner:

Cement plugs: 2000-2200 (15 cu); 2200-2400 (15 cu); 700-710 (10 cu); 20 cu in top of surface.

The zones between cement plugs were filled with red leaden fluid.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Texas Crude Oil Company

Address 1201 V & J Tower Building

Midland, Texas

By

Title

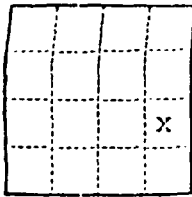
USGS 3, CCC 2, File 1, FW 1, Tenn. O&G 1, McFarland 1.

GP 1 862-40

C 5, File 1, FW 1, USGS 1, Tenn. O&G 1, McFarland 1.

ILLEGIBLE

(SUBMIT IN TRIPLICATE)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office
Lease No. 063622

Unit
RECEIVED
DEC 31 1959

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Texas Crude Oil Company
Tennessee-Federal
Well No. 1-21 is located 1980 ft. from ^{NE}_S line and 660 ft. from ^E_W line of sec. 21
NE 1/4 SE 1/4 Sec. 21 T-19-S R-31-E MPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Midland Eddy County New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We propose to plug and abandon subject well as follows:

Place 10 feet cement plug in bottom of hole.
Fill hole with fluid.
Place steel cap in top.

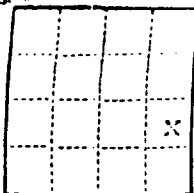
Cement was circulated to surface around this oil string.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Texas Crude Oil Company
Address 1201 V. & J. Tower Building
Midland, Texas
By
Title Production Superintendent

USGS 3, OCC 2, File 1, FW 1, Tenn. O&G 1, McFarland 1.

GPO # 62040



(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLease No. 063622
RECEIVED
Unit

NOV 27 1959

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	X	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Texas Crude Oil Company
Tennessee-Federal

November 25, 1959

Well No. 1-21 is located 1200 ft. from [N]
[S] line and 660 ft. from [E]
[W] line of sec. 21NE 1/4 SE 1/4 Sec. 21 T-19-S R-31-E 114PM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)Midland Eddy County New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3528 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Oct. 1, thru Nov. 25, 1959 - Tested perforations. Averaged 2 BOPD & 200 EWTB.

Preparing to set bridge plug @ 2320' and perforate casing 2280-92' w/4 jets/ft.

This zone will be treated w/5000 gallons lease oil and 5000 lbs. sand.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Texas Crude Oil Company

Address 1201 V & J Tower Building

Midland, Texas

By [Signature]

Title Production Superintendent

USGS 3, CCC 2, File 1, FW 1, Tenn. C&G 1, McFarland 1.

GPO 457040

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lease No.

062622

Unit

RECEIVED

JAN 15 1909

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

R E V I S E D

Texas Crude Oil Company
Tennessee-Federal

January 13, 1909

Well No. 1-21 is located 1980 ft. from [N] line and 660 ft. from [E] line of sec. 21

NE 1/4 Sec. 21 T-12-S R-31-E M371

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Wildcat

(Field)

Baldy County

(County or Subdivision)

New Mexico

(State or Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Below is present status of the above well:

5010-4420' mud laden fluid; 4420-4367' cement (Top Delaware Sand); 4367-3370' mud laden fluid; 3378-2595' cemented 7" casing (filled w/mud laden fluid; 2595-2581' Howco basket w/hydromite plug; 2581-2491' mud laden fluid; 2491-0' 7" w/cmt. circulated to surface.

We propose to plug & abandon subject well as follows:

Fill 7" casing w/mud laden fluid; Place cmt. plug 2320-2250'; Fill w/mud laden fluid 2250-2090'; place cmt. plug 2020-2000' (base salt); Fill w/mud laden fluid 2020-785'; place cmt. plug 785-710'; Fill hole w/mud laden fluid 710-50'; place cement plug 50' to surface.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Texas Crude Oil Company

Address 1201 V. & J. Tower Building

Midland, Texas

By

Title Production Superintendent

UGS 3, OCC 2, File 1, FW 1, Tenn. O&G 1, McFarland 1.

GPO 8 67040

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

File No. 13
Case No. 063422
Date

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Texas Crude Oil Company
Tennessee-Federal

August 26, 1959

Well No. 1-21 is located 1900 ft. from [N] line and 660 ft. from [E] line of sec. 21

NE/4 SE/4 Sec. 21 T-19-S R-31-E 1E3W
(1/4 Sec. and 1/4 Sec. No.) (Twp.) (Range) (Meridian)

Wildcat
(Field)

Eddy County
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is 3523 (cst).

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

Spudded 2:30 p.m. (IST) 8-22-59.

Drilled 17 1/2" hole to 631' Rockbeds.

Ran 19 jts. (618.29) 13-3/8", 48.7, 15 Casing. Cemented to 629' w/140 ex. regular, 14 gal. Followed w/100 ex. regular. Cement circulated. P. D. 8:00 p.m. (IST) 8-22-59. 190 total 24 hrs. Held pressure total 12 hrs.

Casing & water shut-off-tests as follows:

Pressured up on top of cement inside 13-3/8" casing w/600 psi for 30 mins. Held o.k. Drilled out 101' cement to guide shoe. Tested csg. w/600 psi for 30 mins. Held o.k.

(continued back of page)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Texas Crude Oil Company

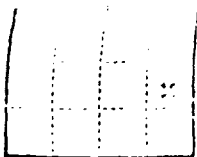
Address 1201 V. & J. Tower Building

Midland, Texas

By

Title Division Superintendent
WGS 3, OCC 2, File 1, PW 1, Tenn. O & G 1, Mechanical 1.

GLO 842141



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lease No. 06322

Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Texas Crude Oil Company
Tennessee-Federal

October 2, 19 59

Well No. 1-21 is located 1900 ft. from [N] line and 450 ft. from [E] line of sec. 11

1-4-58/1-58-21 T-10-S 1-21-1 1900 (Range) (Merridian)

11-21-1/1-21-1 City County Mar. 1959 (State or Territory)

The elevation of the derrick floor above sea level is 1925 ft. (act.)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 9-25-59: Perf. 2450 - 53' w/4 jets/ft. Ran 2" tbg. set @ 2402'. Per. 2375'. Set nipple 2301'. Slabbed dry. No fluid & no shows. Acidized 150 gals. mud acid. Max. pressure 3000, broke to 1200. Slabbed salty sul. water.
- 9-26-59: Acidized 1000 gals. 15%, 600/, 1/5 HCl. Slabbed lead & acid water. 14 over-night. Slabbed sul. water. No shows oil or gas.
- 9-28-59: Pulled tbg. & set Baker bridge plug 2305'. Perf. cap. 2310-12', 1 jet/ft. Ran tbg. & treated 500 gals. mud acid. Pressure broke 1400 to 1100. Set on vacuum 15 mins. Slabbed tbg. dry. No shows oil or gas.
- 9-29-59: Fraced 15,000 gals. oil, 15000/2 sand. Pressures 1400-1200, 10 HCl. Flow! back 3 hrs. & died. Ran tbg. 150 lbs. lead oil to receiver. Set on 15 min.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Texas Crude Oil Company

Address 1201 N. & J Tower Bldg.

Richard, Texas

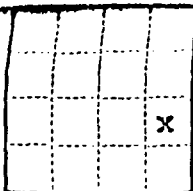
By

Title

LEGS 3, COC 2, File 1, FW 1, Tenn. OGS 1, Reference 1.

GPO 452-4

ILLEGIBLE



(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office
Lease No. 063622
Unit 12 F E F I M E D
DEC 7 1959

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	Report on change of plans.....

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Texas Crude Oil Company
Tennessee-Federal

December 4, 1959

Well No. 1-21 is located 1980 ft. from {N} line and 660 ft. from {E} line of sec. 21

NE 1/4 Sec. 21 T-12-S R-31-E N27W
(1/4 Sec. and 1/4 Sec. No.) (Twp.) (Range) (Meridian)
Wilcox Eddy County New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3526 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 11-28-59: Pulled rods & tbg. Set bridging plug @ 2324' w/2 ex. cnt. on top. Perf. csg. 2280-92' w/4 jets/ft.
- 11-29-59: Pumped into formation. Pressure broke 1900-11,000/. Treated w/5000 gals. oil and 5,000# sand, 1100/, 20 BPM. Flowed back 27 1/2 bbls/2 hrs. Total load to recover 320 bbls. Ran rods, tbg., put on pump. Testing.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Texas Crude Oil Company
Address 1201 V & J Tower Building
Midland, Texas
By [Signature]
Title Production Superintendent

USGS 3, OCC 2, File 1, FW 1, Tenn. C&G 1, McFarland 1.

GPO 567040

SUNDAY

NOTICE OF INTENTION TO DRILL
 NOTICE OF INTENTION TO CHANGE PLANS
 NOTICE OF INTENTION TO TEST WATER SHUT OFF
 NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL
 NOTICE OF INTENTION TO SHOOT OR ACIDIZE
 NOTICE OF INTENTION TO PUMP OR ALTER CASING
 NOTICE OF INTENTION TO ABANDON WELL

PRELIMINARY REPORT OF LOGGING OR ACIDIZING
 SUBSEQUENT REPORT OF ALTERING CASING
 SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
 SUBSEQUENT REPORT OF ABANDONMENT
 SUPPLEMENTARY WELL HISTORY

Texas Crude Oil Company
 Tennessee-Federal
 Well No. 1-21 is located 1980 ft. from ^{X(N)}[S] line and 660 ft. from ^[E]_{XW} line of sec. 21
 SE 1/4, SW 1/4, Sec. 21 T-12-S R-31-E L27M
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
 Wildcat Eddy County New Mexico
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3523 ft. (est.)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drilled well to a total depth of 5010'.
 Cut 7" casing off w/ McCullough Cutter & pulled 2600' of 7" csg. Set Halliburton basket @ 2595' and placed hydrazite plug 2581-2595'.
 Cut 9-5/8" casing off w/ McCullough Cutter & pulled 1663' of 9-5/8" csg.
 Cleaned hole out to 2550' w/ 8-3/4" bit. Ran 2403', 7", 20#, J-55 csg. set @ 2403' and cemented w/ 1500 sacks 50% Neat - 50% Pozmix, 65 gel, 15% salt/sack and 1.0 oz. 50% Neat - 50% Pozmix, 25 gel cement.
 Cement circulated back to surface with full return throughout cementing operations.
 Plug down 12:00 noon (LMT) 9-21-59.
 WOC 24 hrs. Tested casing w/ 1000', 30 mins. No pressure drop.

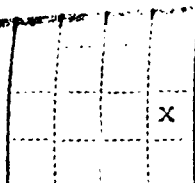
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Texas Crude Oil Company
 Address 1201 W. & J. Tower Building
 Midland, Texas

By *Joe R. Howard*
 Title Petroleum Engineer

USGS 3, OGC 2, File 1, FW 1, Tenn. C&G 1, McFarland 1.

ILLEGIBLE



SEP 14 1952
(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office LE
Lease No. 062622
Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	☒
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	☐
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	☐
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	☐
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	☐
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	☐
NOTICE OF INTENTION TO ABANDON WELL		☐

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Texas Crude Oil Company
Tennessee-Federal

September 11, 1952

Well No. 1-21 is located 1980 ft. from NS line and 660 ft. from E line of sec. 21

NE/4 SE/4 Sec. 21 T-19-S R-31-E NMTN
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Eddy County New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3528 ft. (est.)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Ran 85 jts. 7", 20#, J Csg. (3370') set @ 3378' w/50 sk. reg. P. D. 2:45 p.m. (MST) 9-9-59. Temperature Survey showed top of cement 2754'.

WOC 24 hrs. Tested csg. 1000 psi, 30 mins. No pressure drop. Drilled out float and 27' cement to guide shoe & tested 1000 psi, 30 mins. No pressure drop. Drilled out shoe & tested w/1000 psi, 30 mins. Had 20% pressure drop.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

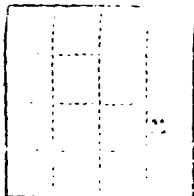
Company Texas Crude Oil Company

Address 1201 V & J Tower Building

Midland, Texas

By [Signature]

Title Petroleum Engineer



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
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NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Texas Crude Oil Company
Tennessee-Federal

September 3, 1959

Well No. 1-21 is located 1980 ft. from [N] line and 660 ft. from [E] line of sec. 21

NE 1/4 SE 1/4 Sec. 21 T-19-S R-31-E 12TH
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat
(Field)

Eddy County
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is 3520 ft. (est.)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

Work performed August 30, 1959 as follows:

Ran 60 fts. 9-5/8" CG, 36#, J-S, 8rd R-283 csg. (2134.02') cemented @ 2146.02' w/ 50 sx. reg. mixed w/800# salt & 2% CaCl. P. D. @ 12:00 H (MST) 8-29-59. Lost 10' cnt. in 9-5/8" @ 2120'. Ran temp. survey. Top cnt. behind csg. 1823'. T. D. by survey 1873'. WOC total 24 hrs. Hold pressure total 12 hrs. Pressured up on csg. w/1000#, 30 mins. no pressure drop. Drilled 31' cnt. & pressured up 1000#, 30 mins., no pressure drop. Drilled out float shoe & re pressured w/1000#, 30 mins. Had 50# pressure drop.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Texas Crude Oil Company

Address 1201 W. & J Tower Bldg.

Midland, Texas

By *Paul H. [Signature]*

Title Petroleum Engineer

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.

2. ☐ Restricted Delivery.

3. Article Addressed to:
 CENTRO EXPLORATION
 909 N.E. LOOP 400
 SUITE 711
 SAN ANTONIO, TX 79209

4. Type of Service: Article Number
☐ Registered ☐ Insured
☒ Certified ☐ COD P185 336 862
☐ Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
 X

6. Signature - Agent
 X *Mary A. Green*

7. Date of Delivery
 8-23-85

8. Addressee's Address (ONLY if requested and fee paid)

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.

2. ☐ Restricted Delivery.

3. Article Addressed to:
 TEXACO INC
 BOX 3109
 Midland, TX 79701

4. Type of Service: Article Number
☐ Registered ☐ Insured
☒ Certified ☐ COD ~~P185 336 860~~
☐ Express Mail P185 336 861

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
 X

6. Signature - Agent
 X *L B*

7. Date of Delivery
 AUG 21 1985
 MIDLAND, TX
 USPO

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, July 1983 447-845

DOMESTIC RETURN RECEIPT

● **SENDER: Complete items 1, 2, 3 and 4.**

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.

2. ☐ Restricted Delivery.

3. Article Addressed to:
BLM
P.O. Box 1778
CARLSBAD, N.M. 88220

4. Type of Service:	Article Number
☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	<i>P185 336859</i>

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X Cathy Queen

6. Signature - Agent
X

7. Date of Delivery
AUG 22 1985

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, July 1983 447-845

DOMESTIC RETURN RECEIPT

● **SENDER: Complete items 1, 2, 3 and 4.**

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1. ☐ Show to whom, date and address of delivery.

2. ☐ Restricted Delivery.

3. Article Addressed to:
TENNECO OIL
7990 IH 10 WEST
SAN ANTONIO, TX 78230

4. Type of Service:	Article Number
☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	<i>P185 336860</i>

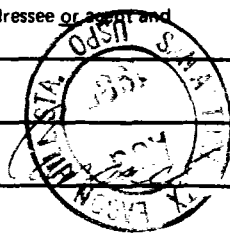
Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X

7. Date of Delivery
8-26-85

8. Addressee's Address (ONLY if requested and fee paid)



SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
TEXAS CRUDE
2100 TEXAS CRUDE Bldg
801 TRAVIS
HOUSTON TX 77002

4. Type of Service: Article Number
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail **P 185 336 864**

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X [Signature]

6. Signature - Agent
X

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
SATE FE ENERGY
500 W. OHIO
MIDLAND, TX 79701

4. Type of Service: Article Number
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail **P 185 336 863**

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X [Signature]

6. Signature - Agent
X

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

