

**FILE NOTATIONS**

Entered in NID File ..... ✓  
Location Map Pinned ..... ✓  
Card Indexed ..... ✓

Checked by Chief ..... *PWT*  
Approval Letter ..... *6-20-74*  
Disapproval Letter .....

**COMPLETION DATA:**

Date Well Completed *3/13/75 PWA*  
W..... WW..... TA.....  
W..... OS..... PA. ✓

Location Inspected .....  
Bond released  
State or Fee Land .....

**LOGS FILED**

Miller's Log.....  
Electric Logs (No.) .....  
..... I..... Dual I Lat..... GR-N..... Micro.....  
MHC Sonic GR..... Lat..... Mi-L..... Sonic.....  
CLog..... CLog..... Others.....

**Tenneco Oil**  
A Tenneco Company

Suite 1200  
Lincoln Tower Building  
Denver, Colorado 80203  
(303) 292-9920



June 12, 1974

U. S. Geological Survey  
8426 Federal Bldg.  
Salt Lake City, Utah 84138

Re: Application for Permit to Drill  
Griffin Point 2 Unit Well No. 1  
SE/4, Sec. 22, T33S, R1W  
Garfield County, Utah

Gentlemen:

Attached are three copies each of the Notice of Intention to Drill and Well Location and Acreage Dedication Plat, relative to the above captioned well.

The water we use for drilling will come from the Griffin Spring. Waste disposal will be buried in the Burn Pit or Reserve Pit. There will be no camp or airstrip associated with the drilling of the well. Upon completion or abandonment of this well, the location will be cleaned and levelled and a dry hole marker placed, if applicable.

Yours very truly,

TENNECO OIL COMPANY

A handwritten signature in cursive script that reads "D. D. Myers".

D. D. Myers  
Division Production Manager

PLR/ar

Attachments:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.  
U - 20480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Griffin Point 2 Unit

8. FARM OR LEASE NAME

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA  
Sec. 22, T33S, R1W

12. COUNTY OR PARISH  
Garfield

13. STATE  
Utah

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
Tenneco Oil Company

3. ADDRESS OF OPERATOR  
1200 Lincoln Tower Bldg., Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
687' FSL and 661' FEL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

16. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE  
2,560

17. NO. OF ACRES ASSIGNED TO THIS WELL  
640

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
14,600'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
10,645' GR

22. APPROX. DATE WORK WILL START\*  
July 10, 1974

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	20"	91#	± 400'	Sufficient to circulate to surface
18-1/2"	13-3/8"	61# & 48#	± 3300'	" " " "
12-1/4"	9-5/8"	47#	± 12000'	" " " "
8-3/4" or 6-1/8"	7" or 5" or both	26# or 15# or both	± 14600'	" " " "

Well to be drilled to approximate TD of 14,600', log, test, core as required, and if commercial production is indicated, run 7" or 5" casing as required, hang as liner, and cement over prospective productive intervals. Perforate casing and treat formation as necessary to establish production. BOP to be tested each 24 hours.

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CONFIDENTIAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Paul J. Rogers TITLE Sr. Production Clerk DATE 6/12/74

(This space for Federal or State office use)

PERMIT NO. 43-017-30066 APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

COMPANY **TENNECO OIL COMPANY**

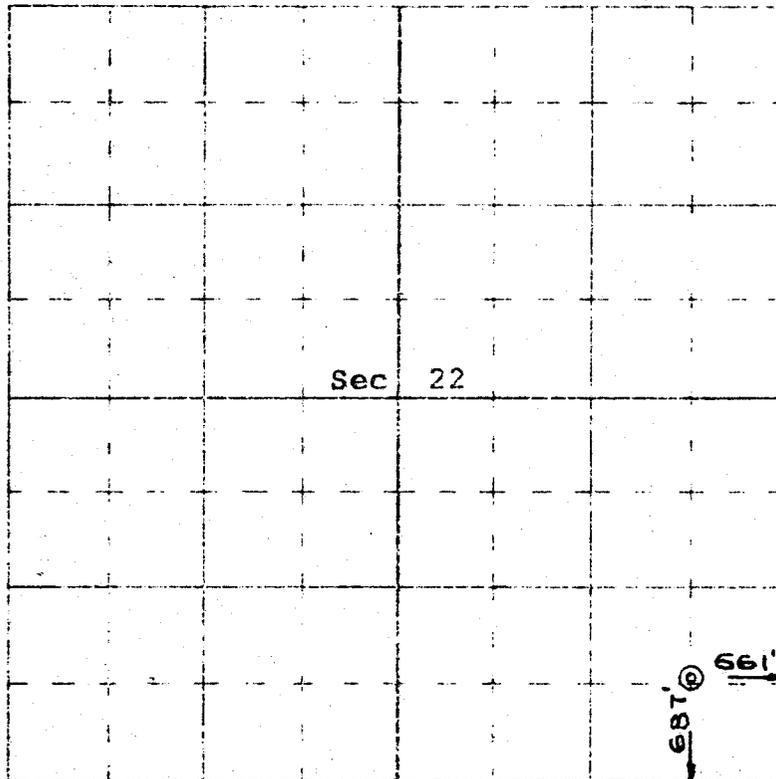
UNIT  
Well Name & No. **GRIFFIN POINT NO. 2** Well No. **1** Lease No. **U-20480**

Location **687 FEET FROM THE SOUTH LINE & 661 FEET FROM THE EAST LINE**

Being in **SE SE**

Sec. **22**, T **33S** R **1W** S.L.M., Garfield County, Utah

Ground Elevation **10,645 Ungraded**



Scale 4 inches equals 1 mile

Surveyed **3 June**

19 **74**

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Registered Land Surveyor.

**Robert H. Ernst**  
N. Mex. PE & LS 2463  
Colo. PE & LS 4979

**ERNST ENGINEERING CO.**  
Durango, Colorado

OPERATIONAL PLAN

TENNECO OIL COMPANY  
GARFIELD COUNTY, UTAH

GRIFFIN POINT WELL NO. 2

Escalante Ranger District, Dixie National Forest  
Region Four

\_\_\_\_\_  
District Ranger USFS

Date \_\_\_\_\_

\_\_\_\_\_  
District Engineer USGS

Date \_\_\_\_\_

*D. E. Burns*  
\_\_\_\_\_  
Division Drilling Engr - Tenneco

Date *June 13, 1974*

## I. Introduction

Tenneco Oil Company plans to drill a wildcat well in the SE 1/4 of Section 22, T33S, R1W, Garfield County, Utah. The purpose of this well is to test a large geologic structure which underlies Griffin Mountain for possible oil and or gas production. A similar test was attempted in Section 22 in 1965 and 1966, but was terminated before reaching the objective due to hole problems and excessive costs. In consideration of the need to develop additional energy sources and by utilizing new technology, a second test is planned.

Surface elevation of the proposed location is approximately 10,600'. The area is relatively flat, being a table mesa atop Griffin Mountain. Snow covers this area for several months of each year, therefore it is planned to begin operations as early as possible after the snow has melted, probably late June or early July, and to complete operations in approximately 125 days. This should make it possible to avoid operating in snow and bad weather.

Existing roads lead to within 1/4 mile of the proposed drill site, thus construction of new roads will be kept to a minimum and will all be on level or near level terrain. Minor improvements to existing roads will be made as necessary, however no large scale change will be required because the existing roads are presently used by the logging industry.

The purpose of this plan is to provide the requirements necessary to minimize impact on other resources during the drilling of this well.

The Environmental Analysis Report for mineral leases and permits on the Escalante Ranger District which was approved 1-22-73 by the Dixie National Forest Supervisor, will apply to the development of this well.

## II. Requirements for Protection and Restoration of Surface Resources

- A. An SL-14 road will be constructed from existing roads to the drill site. Adequate drainage to prevent erosion will be installed in the road to be constructed. Cut and fill slopes will be constructed 1 1/2 to 1 or flatter.
- B. No slash is anticipated; however if slash or other debris is encountered, it will be disposed of by chipping. Chips will be spread over disturbed areas for mulching. Material too large for chipping, if any is present, will be disposed of by burying it in the pit area of the drill site.

- C. The actual drill site takes considerable area to accommodate the drill rig and associated equipment. To facilitate future restoration of the site, the cleared area will be kept to a minimum. Sump pits should be located as far away from natural drainages as possible. Sump pits should have adequate capacity to handle waste without allowing overflow. In cases where cut slopes are excessive or in stable material they can be left vertical, otherwise slopes should be flattened to 1 1/2 to 1. The top soil mantle will be scraped off the drill site and stock piled for use during restoration operations.
- D. Sump pits should be covered as soon after abandoning the drill site as possible. If the pit has to be left for drying, it may have to be fenced to protect livestock and deer depending on the season.
- E. Erosion control structures will need to be installed, to help hold soil in place on the drill site. These structures will consist of trenches, water bars and pits.
- F. If drilling is in progress during the period 6/1 to 10/30, a fire tool cache will be kept on the drill site. It should consist of enough tools to equip at least five men. The tools will be stored in a red box marked for fire use only.
- G. Water for drilling operations will be pumped from natural springs in Section 26, approximately 3/4 mile from the drill site. Pumping of water rather than hauling by truck will eliminate considerable traffic over existing and new roads. Water lines will be laid on the surface by hand and will be so located and constructed as to prevent surface disturbance. The retention reservoir at the spring will be repaired by smoothing out the presently washed out dike and rock will be placed to prevent head cutting.
- H. Revegetation of all disturbed areas will be necessary. Following is the revegetation prescription that will apply to this development program:
  - 1. Spread top soil over the site.
  - 2. Apply Ammonium Nitrate fertilizer at the rate of 100 lbs. per acre.
  - 3. Scarify the entire drill site by pulling a drag with a tractor.

4. Drill the following seed mixture at a depth of one inch on accessible areas and broadcast remaining disturbed areas:

<u>Species</u>	<u>lbs per acre</u>
Smooth brome	5
Hard fescue	3
Orchard grass	3
Timothy	3
Total	<u>14 lbs. per acre</u>

5. To improve moisture and temperature conditions on the drill site, spread a thin layer of sawdust or chip mulch after seeding.
6. Fence the drill site from livestock entry until the grass seedlings become established. The fence will have to be maintained for at least three growing seasons.

June 20, 1974

Tenneco Oil Company  
1200 Lincoln Tower Building  
Denver, Colorado 80203

Re: Well No. Griffin Point Unit #2-1  
Sec. 22, T. 33 S, R. 1 W,  
Garfield County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer  
HOME: 277-2890  
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-017-30066.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sd

Tenneco Oil

June 24, 1974

U. S. Geological Survey  
8416 Federal Building  
Salt Lake City, Utah 84111

ATTN: Jerry Daniels

RE: Griffin Point Unit II, Well No. 1  
Sec. 22, T33S, R1W  
Garfield County, Utah

Dear Mr. Daniels;

Attached is the information regarding subject well which you requested  
by phone June 21, 1974.

If there are any questions, please contact me.

Yours very truly,

D. E. Brown  
Division Drilling Engineer

DEB:jfg  
encl.

COPY

PRESSURE CONTROL PLAN -

GRIFFIN POINT UNIT II, WELL NO. 1

This well is located approximately 3,000' away from a well which was drilled to a depth of 10,700' in 1966. This entire hole was characterized by sub-normal pressures and subsequent lost circulation. Under these conditions, there is virtually no possibility of encountering any pressure which might cause a blow-out. However, the following pressure control precautions will be taken on Griffin Point Unit II, Well No. 1.

1. Conductor Casing: 20" OD, 94#/ft H-40 casing will be set @ ± 400' and cemented to the surface.

2. While drilling from 400' to 3,300' (the next casing point) a Shaffer rotating head will be mounted on the 20" casing. This equipment plus the mud in the hole will be capable of controlling a pressure of 2,650 psi at 3,300'. Maximum anticipated pressure at 3,300' is estimated to be 1,090 psi. A permanent casing head will not be installed until after 13 3/8" OD casing has been set at ± 3,300'.

3. Surface Casing: 13 3/8" OD 48#/ft to 60#/ft casing set and cemented at ± 3,300'.

4. Blow-Out Preventors: Hydraulic 14" Cameron Iron Work, Type SS, doublegate, 5,000 psi working pressure plus a 14" Hydril (bag type) 5,000 psi working pressure. This equipment plus the mud used to drill this hole will be capable of safely controlling a formation pressure of 12,500 psi, at 15,000' depth. Maximum anticipated pressure at 15,000' is 4,950 psi. This equipment will remain on the well until total depth is reached.

5. Intermediate Casing: Intermediate casing will be a liner hung from ± 3,000 to 12,200'. This liner will be 9 5/8" OD 47#/ft S-95 casing. Additional liners will be set as required from 12,500' to TD; they will be 7" OD and 5" OD; all liners will be cemented in place.

6. Auxiliary Equipment:

- a.) Kelly cock will be in use at all times.
- b.) Float at bit will be used as needed.
- c.) Mud monitoring will be visual, air will be used to decrease the specific gravity of the mud. The use of air precludes the use of mud level devices due to large fluctuations in total liquid volume.
- d.) A stabbing valve to fit the particular drill pipe in use will be present on the rig floor at all times.

7. This is an area of sub-normal pressures, maximum anticipated pressure at TD will not exceed 5,000 psi.

8. 0 - 400	Spud mud.
400 - 3300	Low solids, water base using gel as necessary for hole stability.
3300 - TD	Aerated water base mud.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved  
Budget Bureau No. 42-R354.5.  
LAND OFFICE Salt Lake City  
LEASE NUMBER U-27430  
UNIT Griffin Point II Unit

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 19 74,

Agent's address 1200 Lincoln Tower Building Company Tenneco Oil Company  
Denver, Colorado 80203 Signed D. C. Crawford  
Phone 292-9920 Agent's title Senior Production Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Ft. of GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, date; if on it down, cause; date and result of test for gasoline content of gas)
<u>SE SE</u> <u>2</u>	<u>33S</u>	<u>1W</u>	<u>1</u>							
										Spudded well 8-28-74. Drilled to 131' by 8-31-74.

2: USGS-Salt Lake City  
2: State-Salt Lake City  
1: File

Note.—There were 0 runs or sales of oil; 0 M cu. ft. of gas sold; 0 runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form Approved  
Budget Bureau No. 42-R356.5  
LAND OFFICE Salt Lake City  
LEASE NUMBER U-20430  
UNIT Griffin Point II Unit

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1974,

Agent's address 1200 Lincoln Tower Building Company Tenneco Oil Company  
Denver, Colorado 80203 Signed M. P. Crawford  
Phone 292-9920 Agent's title Senior Production Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, describe what done, cause, date and result of test for gasoline content of gas)
<u>SE SE 2</u>	<u>33S</u>	<u>1W</u>	<u>1</u>							
										Reamed and drilled until 9-20-74. Ran 9 jts. 20", 94# surface casing. Set and cemented at 386' w/ 750 sxs. 50/50 poz and 1/4"/sx cello flake. Good circulation at 3500' 9-30-74. Reaming 1 1/2 hole at 1650'.

2: USGS-Salt Lake City  
2: State-Salt Lake City  
1: File

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN 1  
(Other Instructions on re-  
verse side) ICATE\*

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-20480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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—" for such proposals.)

1.

OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME

Griffin Point II Unit

2. NAME OF OPERATOR

Tenneco Oil Company

8. FARM OR LEASE NAME

3. ADDRESS OF OPERATOR

1200 Lincoln Tower Bldg., Denver, Colorado 80203

9. WELL NO.

1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

687'FSL and 661'FEL

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA

Sec. 22, T33S, R1W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

10,645' GR

12. COUNTY OR PARISH 13. STATE

Garfield Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUSSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE 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 vertical depths for all markers and zones pertinent to this work.)\*

8/28/74 - Spudded 26" surface hole to 395'

9/20/74 - Ran 9 Jts. 20", 94# surface casing. Set and cemented at 386' w/750 sxs, 50/50 poz + 1/4#/sx cello flake, good cement circulation. Preparing to drill out under surface casing.

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED

*[Signature]*

TITLE Senior Production Clerk

DATE 10/11/74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

3. LEASE DESIGNATION AND SERIAL NO.  
**U-20480**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
**Griffin Point II Unit**

8. FARM OR LEASE NAME

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 22, T33S, R1W**

12. COUNTY OR PARISH | 13. STATE  
**Garfield | Utah**

**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—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
**Tenneco Oil Company**

3. ADDRESS OF OPERATOR  
**1200 Lincoln Tower Bldg., Denver, Colorado 80203**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
**At surface**

14. PERMIT NO. | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**10,645" GR**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) _____		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE 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 vertical depths for all markers and zones pertinent to this work.)\*

**10/8/74 - Ran 47 Jts. 13-3/8 intermediate casing string to 3,153',  
cemented w/1200 sx Poz-Mix, 200 sxs, Class A,**

**CONFIDENTIAL**

18. I hereby certify that the foregoing is true and correct

SIGNED *D.P. Crawford* TITLE Senior Production Clerk DATE 10/14/74

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 12-2456-3  
LAND OFFICE Salt Lake City  
LEASE NUMBER U-20485  
UNIT Griffie Point II Unit

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 19 74

Agent's address 1200 Lincoln Tower Building Company Tenneco Oil Company  
Denver, Colorado 80203 Signed D. P. [Signature]  
Phone 292-9920 Agent's title Senior Production Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, describe what done, casing, date and results of test, the gasoline content of gas)
SE SE 2	33S	1W	1							
<p>10-8-74 Ran 47 jts 13 3/8" intermediate casing string to 3,153. Cemented w/1200 sx Poz-Mix, 200 sxs, Class A.</p> <p>Set parasite string and continued drilling.</p> <p>10-31-74 Drilled to 5,573'.</p>										

2: USGS-Salt Lake City  
2: State-Salt Lake City  
1: File

Note.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

Note — Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 12-R356.5  
Salt Lake City  
LAND OFFICE U-20480  
LEASE NUMBER  
UNIT Griffin Point II Unit

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 19 74,

Agent's address 1200 Lincoln Tower Building Company Tenneco Oil Company

Denver, Colorado 80203 Signed D. P. Crawford

Phone 292-9920 Agent's title Senior Production Clerk

SEC. AND 1/4 OR 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SE SE 2	33S	1W	1							Drilled to 9,184' on 11-30-74.

- 2: USGS-Salt Lake City
- 2: State-Salt Lake City
- 1: File

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold; \_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved,  
Budget Bureau No. 42-13355.5.  
LAND OFFICE Salt Lake City  
LEASE NUMBER U-20480  
UNIT Griffin Point II Uni

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 19 74

Agent's address 1200 Lincoln Tower Building Company Tenneco Oil Company  
Denver, Colorado 80203 Signed D. P. Crawford  
Phone 292-9920 Agent's title Senior Production Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>SE SE</u> <u>2</u>	<u>33S</u>	<u>1W</u>	<u>1</u>	<u>0</u>						
										Drilled to 9764 Running 9 5/8 casing

2: USGS-Salt Lake City  
2: State-Salt Lake City  
1: File

Note.--There were 0 runs or sales of oil; 0 M cu. ft. of gas sold; 0 runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.--Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THE APPROPRIATE  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-20480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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—" for such proposals.)

1.

OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME

Griffin Point II Unit

2. NAME OF OPERATOR

Tenneco Oil Company

8. FARM OR LEASE NAME

3. ADDRESS OF OPERATOR

1200 Lincoln Tower Building, Denver, Colorado 80203

9. WELL NO.

1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*.  
See also space 17 below.)  
At surface

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 22, T33S, R1W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

10,645"GR

12. COUNTY OR PARISH

Garfield

13. STATE

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE 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 vertical depths for all markers and zones pertinent to this work.)\*

1-2-75 Completed running 241 Jts. 9 5/8", 47#, F95, Lt&C, -8 rd, EUE to 9493' W/225 Sxs Class A containing 20% Silica Flour. Tailed in w/25 sxs class A neet

18. I hereby certify that the foregoing is true and correct

SIGNED

*A. P. Crawford*

TITLE

Senior Production Clerk

DATE

1-10-75

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R356.5.

LAND OFFICE Salt Lake City  
LEASE NUMBER U-20480  
UNIT Griffin Point II Un

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1975,

Agent's address 1200 Lincoln Tower Building Company Tenneco Oil Company  
Denver, Colorado 80203

Phone 292-9920 Signed D. C. Crawford  
Agent's title Senior Production Clerk

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>SE SE</u> <u>2</u>	<u>33S</u>	<u>1W</u>	<u>1</u>	<u>0</u>	<u>-0-</u>	<u>0</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	
					<u>TD 11,680 &amp; drilling</u>					
										Amount used on or off lease <u>-0-</u>
										Amount lost in tests, spills, etc <u>-0-</u>
										Amount vented <u>-0-</u>

2: USGS-Salt Lake City  
2: State-Salt Lake City  
1: File

NOTE.—There were -0- runs or sales of oil; -0- M cu. ft. of gas sold;  
-0- runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R356.5.  
LAND OFFICE Salt Lake City  
LEASE NUMBER U-20480  
UNIT Griffin Point II

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 19 75

Agent's address 1200 Lincoln Tower Building Company Tenneco Oil Company  
Denver, Colorado 80203

Phone 292-9920 Signed DC Crawford  
Agent's title Senior Production Clerk

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>SE SE</u> <u>2</u>	<u>33S</u>	<u>1W</u>	<u>1</u>	<u>0</u>	<u>-0-</u>	<u>0</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	
					<u>TD 13,641 &amp; drilling</u>					
Amount used on or off lease							<u>GAS</u>	<u>OIL</u>		
Amount lost in tests, spills, etc.							<u>0</u>	<u>0</u>		
Amount vented							<u>0</u>			
2: USGS-Salt Lake City 2: State-Salt Lake City 1: File										

NOTE.—There were 0 runs or sales of oil; 0 M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R356.5.  
Salt Lake City  
LAND OFFICE U-20480  
LEASE NUMBER \_\_\_\_\_  
UNIT Griffin Point II Un

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1975,

Agent's address 1200 Lincoln Tower Building Company Tenneco Oil Company  
Denver, Colorado 80203 Signed L. Vera Armstrong

Phone 292-9920 Agent's title Senior Production Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>SE SE</u> <u>2</u>	<u>33S</u>	<u>1W</u>	<u>1</u>							<u>14,108 T.D.</u> <u>12,260 P.B.T.D.</u>
				REMARKS:	Drilling activity was completed on March 18, 1975. We were advised by the District Forest Ranger that no heavy equipment could be moved in or out during the spring thaw, or until about June 1, 1975. We plan to move a completion unit on location as soon as permitted to do so and will commence completion operations at that time. See Mr. D. D. Myers' letter dated 3-25-75 to Mr. Ed W. Guynn for additional information.					
							GAS	OIL		
					Amount used on or off lease					
					Amount lost in tests, spills, etc.					
					Amount vented					
					2: USGS-Salt Lake City					
					2: State-Salt Lake City					
					1: File					

**CONFIDENTIAL**

NOTE.—There were 0 runs or sales of oil; 0 M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R336.5.  
LAND OFFICE Salt Lake City  
LEASE NUMBER U-20480  
UNIT Griffin Point II

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 1975.

Agent's address 1200 Lincoln Tower Building Company Tenneco Oil Company  
Denver, Colorado 80203

Phone 292-9920 Signed Linda Wagner  
Agent's title Senior Production Clerk

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>SE SE</u> <u>2</u>	<u>33S</u>	<u>1W</u>	<u>1</u>							<u>14,108 T.D.</u> <u>12,260 P.B.T.D.</u>
REMARKS:					Drilling activity was completed on March 18, 1975. We were advised by the District Forest Ranger that no heavy equipment could be moved in or out during the spring thaw, or until about June 1, 1975. We plan to move a completion unit on location as soon as permitted to do so and will commence completion operations at that time. See Mr. D. D. Myers' letter dated 3-25-75 to Mr. Ed W. Guynn for additional information.					
Amount used on or off lease							GAS	OIL		
Amount lost in tests, spills, etc.							0	0		
Amount vented							0			
2: USGS-Salt Lake City 2: State-Salt Lake City 1: File										

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

Form approved.  
Budget Bureau No. 42-R356.5.  
Salt Lake City  
LAND OFFICE U-20480  
LEASE NUMBER  
UNIT Griffin Point II Unit

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1975.

Agent's address 1200 Lincoln Tower Building Company Tenneco Oil Company  
Denver, Colorado 80203 Signed Linda J. Stagner  
Phone 292-9920 Agent's title Senior Production Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)	
<u>SE SE</u> <u>2</u>	<u>33S</u>	<u>1W</u>	<u>1</u>							S.I.	
Oil, Barrels											
1. Sold						0				REMARKS: Drilling activity was completed on March 18, 1975. We were advised by the District Forest Ranger that no heavy equipment could be moved in or out during the spring thaw, or until about June 1, 1975. We plan to move a completion unit on location as soon as permitted to do so and will commence completion operations at that time. See Mr. D. D. Myers' letter dated 3-25-75 to Mr. Ed W. Gynn for additional information.	
2. Used on Lease for Prod. Purposes					0						
Used off Lease for Prod. Purposes					0						
3. Lost Tests					0						
Spills					0						
Blowouts					0						
Other					0						
Gas, MCF											
1. Sold						0					
2. Used on Lease for Prod. Purposes						0					
Used off Lease for Prod. Purposes						0					
3. Vented for Well Tests						0					
Production Venting w/prior Approval						0					
4. Lost: Line Breaks						0					
Equipment Malfunction						0					
Blowouts						0					
Fires						0					
2: USGS-Salt Lake City											
2: State-Salt Lake City											
1: File											

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)  
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



TRI-STATE OIL TOOL INDUSTRIES, INC.

Full in Well  
Full on J

6-7-75

Clon:  
Ron:

On the Franco Griffin Point  
Well, Sec 22 T33S R1W

Garfield County, substantial  
water zones were noted in the

- A) Washcaps ~ 4500
- B) Straight Cliffs ~ 6000
- C) Dakota ~ 7800
- D) Navajo ~ 9800

also, thick coal seams (40')  
were noted in the Straight Cliffs.

Appear to be thick enough to  
support underground mining



CIRCULATE TO:

DIRECTOR  
PETROLEUM ENGINEER  
MINE COORDINATOR  
ADMINISTRATIVE ASSISTANT  
ALL

RETURN TO Thalia  
FOR FILING

17  
100000

STORE LOCATIONS: Bossier City-Shreveport - 746-3800; Beaumont - 866-2335; Clarksburg - 842-4371;  
Coudersport - 274-9670; Flomaton - 296-2471; Houma - 876-1097; Kilgore - 984-5003; Lafayette - 235-7521;  
Lake Charles - 433-4652; Laurel - 428-1571; Leesville - 396-2295; Magnolia - 234-5571; Morgan City - 631-2161;  
Mt. Pleasant - 772-0926; New Orleans - 522-0722; Pittsburgh - 835-1331; Ruston - 255-5214;  
Venice - 534-2381 • • ALASKA: Anchorage - 279-6511; Kenai - 776-8791 • • AUSTRALIA: Sale (Victoria) 44-3486

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R354.5.  
LAND OFFICE Salt Lake City  
LEASE NUMBER U-20480  
UNIT Griffin Point II

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat  
 The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1975,  
 Agent's address 1200 Lincoln Tower Building Company Tenneco Oil Company  
Denver, Colorado - 80203 Signed [Signature]  
 Phone 292-9920 Agent's title Production Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (if none, so state)	REMARKS (if drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>SE SE 22</u>	<u>33S</u>	<u>1W</u>	<u>1</u>							<u>12,335' PBD</u> <u>preparing to P &amp; A</u>
Oil, Barrels 1. Sold 2. Used on Lease for Prod. Purposes Used off Lease for Prod. Purposes 3. Lost Tests Spills Blowouts Other										
Gas, MCF 1. Sold 2. Used on Lease for Prod. Purposes Used off Lease for Prod. Purposes 3. Vented for Well Tests Production Venting w/prior Approval 4. Lost: Line Breaks Equipment Malfunction Blowouts Fires										
2: USGS-Salt Lake City 2: State-Salt Lake City 1: File										

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIP  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U - 20480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Griffin Point Unit II

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 22, T 33S, R 1W

12. COUNTY OR PARISH 13. STATE

Garfield Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Tenneco Oil Company

3. ADDRESS OF OPERATOR  
1860 Lincoln, 1200 Lincoln Tower Bldg., Denver, CO 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface

687' FSL & 661' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

10,645' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other)

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE 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 vertical depths for all markers and zones pertinent to this work.)\*

1. GIH w/wireline and check existing cement plug top, replug if top is lower than 9083'.
2. Run free-point survey and shoot off csg as determined by free-point. Pull + 500', 9 5/8 csg.
3. GIH w/tubing, spot 150' cement plug with 50' inside 9 5/8" stub & 100' above stub.
4. POH with remaining 9 5/8" casing.
5. Spot 150' plug midway between 9 5/8 casing stub and 13 3/8 csg shoe.
6. Spot 150' plug from 3175 to 3025 (in and out of 13 3/8 shoe).
7. Spot 50' surface plug in 13 3/8 csg, install dry hole marker and restore location to Forest Service Specifications.

APPROVED BY DIVISION OF  
OIL & GAS CONSERVATION

DATE 9-5-75

BY C.D. Feight

18. I hereby certify that the foregoing is true and correct

SIGNED

*[Signature]*

TITLE

Production Clerk

DATE

August 28, 1975

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

LEASE DESIGNATION AND SERIAL NO.

U-20480

**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—" for such proposals.)

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <b>Dry Well</b></p> <p>2. NAME OF OPERATOR <b>Tenneco Oil Company</b></p> <p>3. ADDRESS OF OPERATOR <b>1860 Lincoln St., Suite 1200 Denver, Colorado 80203</b></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>687' FSL and 661 FEL</b></p>	<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME <b>Griffin Point Unit II</b></p> <p>9. WELL NO. <b>1</b></p> <p>10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 22, T33S, R1W</b></p> <p>12. COUNTY OR PARISH <b>Garfield</b></p> <p>13. STATE <b>Utah</b></p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>10465</b></p>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) _____		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE 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 vertical depths for all markers and zones pertinent to this work.)\*

1. WIH w/WL and found plug back @ 8805.
2. Ran free point, cut off casing @ 5961'.
3. POH w/all 9 5/8" csg.
4. WIH w/2 7/8" tubing to 6017 (inside stub) spotted 105 sx plug 6017' to 5861'.  
Pulled up-hole to 4564', spotted 120 sx plug 4564 to 4414.  
Pulled up-hole to 3199, spotted 104 sx plug 3199 to 3025(in & out of 13 3/8" csg shoe.)  
Pulled up hole to 50' from surface, placed 20 sx plug from 50' to surface, cut off Bradenhead & installed dry hole marker. Restoration of location is now underway.

18. I hereby certify that the foregoing is true and correct

SIGNED *[Signature]* TITLE Production Clerk DATE Sept 19 1975

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLI

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5

16

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Tenneco Oil Company

3. ADDRESS OF OPERATOR  
1860 Lincoln St., Suite 1200 Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface 687' FSL and 661' FEL  
 At top prod. interval reported below  
 At total depth

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
U-20480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Griffin Point II

8. FARM OR LEASE NAME

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 22, T33S, R1W

12. COUNTY OR PARISH  
Garfield

13. STATE  
Utah

15. DATE SPUNDED 8/23/74 16. DATE T.D. REACHED 3/13/75 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 10,662' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD TD 14,108 21. PLUG, BACK T.D., MD & TVD Ground level 22. IF MULTIPLE COMPL., HOW MANY\* squeezed off 23. INTERVALS DRILLED BY → ROTARY TOOLS YES CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* None P & A 25. WAS DIRECTIONAL SURVEY MADE yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Comp. Formation Density, Bond cement under Sonic Seismogram, Borehole comp. sonic, F-log, CNL-FDC cross plot, dual induction laterolog 27. WAS WELL CORED yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94#	386	26"	750 sacks	None
13 3/8"	61# & 48#	3153	18 1/2"	1400 sacks	none
9 5/8"	47#	9493	12 1/4"	250 sacks	5961'

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
8 3/4"	9185	12360	400				13752 73857

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
P & A	

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

33.\* PRODUCTION

DATE FIRST PRODUCTION \_\_\_\_\_ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Non productive WELL STATUS (Producing or shut-in) P & A

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
		→				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [Signature] TITLE Production Clerk DATE Oct 3, 1975

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 32.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

**37. SUMMARY OF POROUS ZONES:**  
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Eocene (Wasatch)	390	2120	Sandstone and Limestone	DST 13,752 - 13,857		
Paleocene (Canaan)	2120	3565	Sandstone and Conglomerate	Open 30", shut in 60", open 120", shut in 45"		
Cretaceous				Opened tool with weak blow in 30". Second open was weak blow increases		
Kaiparowits	3565	4462	Sandstone and Shale	ing to strong blow. No gas to surface.		
Wahweap	4462	5979	" "	Recovered 180-WCM, 1377' Stl. WCM, 180' Stl WCM		
Straight Cliffs	5979	6912	Shale	THP 4915#		
Tropic	6912	7840	" "	TFP 419 after 30"		
Dakota	7840	8000	Shale	FSIP 3146 after 60"		
Morrisson-Entrada	8000	8998	Shale, Anhydrite, Limestone	FFP 345 after 2 hrs.		
Carmel	8998	10,158	Sand	FSIP None, pkr failed		
Navajo	10,158	11,750	Sand	FHP 4865#		
Kayenta	11,750	11,872	Sand			
Wingate	11,872	12,130	Sand, shale			
Chinle	12,130	12,536	Sand			
Shinarump	12,536	12,723	Shale			
Moenkopi	12,723	13,569	Sand			
Timpoweap	13,569	13,762	Shale			
Kaibab	13,762	13,840	Dolomite			
White Rim	13,978	14,108TD	Dolomite			
Core 1 13,900-	13,934		Sand			
glaucconitic, fair to good fractures, bleeding water			Dolo, itgy, micro to very fine crystalline slightly vuggy and intercrystalline porosity, trace vertical			

38. GEOLOGIC MARKERS

TABULATION OF DEVIATION TESTS

TENNECO OIL COMPANY

DEPTH	INCLINATION	DEPTH	INCLINATION
221	1 1/4°	7790	2 1/2°
272	1 1/4°	8355	2 1/4°
629	1 1/2°	9184	NS
990	1 1/4°	9214	3°
1350	1 1/4°	9236	1 3/4°
1495	1 1/4°	9267	2 3/4°
1928	1 1/4°	9453	2°
2124	1 1/4°	9742	2°
2720	1 1/2°	10000	1/2°
3064	1°	10500	2 1/4°
3991	3/4°	11000	5°
4505	1 1/4°	11500	2 3/4°
6010	2 1/4°	12000	1 3/4°
6330	NS	12383	1°
6796	5 1/2°	13436	2°
6947	2°	13636	2 1/4°
7219	2 1/4°		

A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge, the above tabulation details the deviation test taken on TENNECO OIL COMPANY'S Griffin Point II, Well #1, 687 FSL and 661' FEL, Sec. 22, T33S, R1W, Garfield County, Utah.

Signed

Ted F. Drake  
Agent

THE STATE OF COLORADO )  
CITY AND COUNTY OF DENVER )

BEFORE ME, the undersigned authority, on this day, personally appeared, Ted F. Drake known to me to be an Agent for Tenneco Oil Company, and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and, that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 3rd day of October, 1975

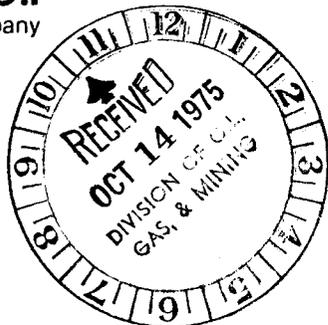
D. C. Crawford

My commission expires

My Commission Expires Feb. 11, 1978

**Tenneco Oil**  
A Tenneco Company

Suite 1200  
Lincoln Tower Building  
Denver, Colorado 80203  
(303) 292-9920



October 9, 1975

E. W. Gynn  
U.S.G.S. District Engineer  
8426 Federal Building  
125 South State Street  
Salt Lake City, Utah 84183

Re: Completion Report  
Griffin Point II Unit Well #1  
Garfield County, Utah

Dear Ed:

Attached is the Well Completion Report for the Griffin Point II Unit, Well #1. As you can see, the well has been properly plugged and abandoned per your directions and our conversations.

As you know, Patrick Petroleum Company paid for the entire cost of this well, and Tenneco merely operated the well as an agent. Therefore, all proprietary information (logs, DST's) belong to Patrick Petroleum Company and cannot be released by Tenneco. I presume that Patrick will release the confidential information in the future.

As you can see from Item 37 on the report, the well was TD'd in the White Rim Sandstone at 14,108'. A question was raised by one of your personnel as to whether or not we had penetrated the entire Kaibab Formation. We did, and therefore have performed under the terms of the lease agreement.

If any additional information is required concerning this well, please call me.

Yours very truly,

TENNECO OIL COMPANY

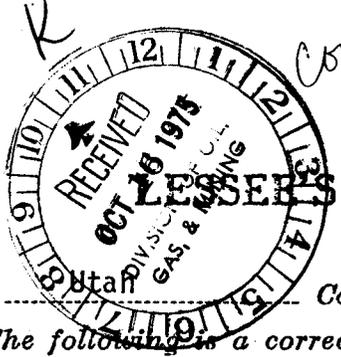
A handwritten signature in cursive script that reads "D. D. Myers".

D. D. Myers  
Division Production Manager

DDM/mlw  
Attach.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE  
LEASE NUMBER  
UNIT



LESSOR'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1975,

Agent's address 1200 Lincoln Tower Building Company Tenneco Oil Company  
Denver, Colorado - 80203 Signed [Signature]  
Phone 292-9920 Agent's title Production Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of seal)
<u>SE SE 22</u>	<u>33S</u>	<u>1W</u>	<u>1</u>							Well P & A Completion Report being mailed. Final Report
Oil, Barrels										
1. Sold						0				
2. Used on Lease for Prod. Purposes						0				
Used off Lease for Prod. Purposes						0				
3. Lost Tests						0				
Spills						0				
Blowouts						0				
Other						0				
Gas, MCF										
1. Sold						0				
2. Used on Lease for Prod. Purposes						0				
Used off Lease for Prod. Purposes						0				
3. Vented for Well Tests						0				
Production Venting w/prior Approval						0				
4. Lost: Line Breaks						0				
Equipment Malfunction						0				
Blowouts						0				
Fires						0				
2: USGS-Salt Lake City										
2: State-Salt Lake City										
1: File										

**CONFIDENTIAL**

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



CALVIN L. RAMPTON  
*Governor*

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH

GUY N. CARDON  
*Chairman*

DEPARTMENT OF NATURAL RESOURCES

CHARLES R. HENDERSON  
ROBERT R. NORMAN  
JAMES P. COWLEY  
HYRUM L. LEE

CLEON B. FEIGHT  
*Director*

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

April 20, 1976

Tenneco Oil Co.  
1860 Lincoln St.  
Suite 1200  
Denver, Colorado

Re: Well No. Griffin Point Unit 2-1  
Sec. 22, T. 33S, R. 1W  
Garfield County, Utah

Gentleman:

This letter is to advise you that the electric and or radioactivity logs for the above referred to well are due and have not been filed with this office as required by our rules and regulations.

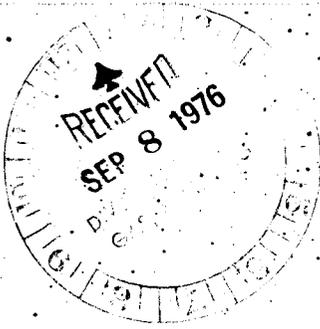
If electric and or radioactivity logs were not run on said well, please make a statement to this effect in order that our records may be kept accurate and complete.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

KATHY OSTLER  
RECORDS CLERK



**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
**DALLAS, TEXAS**  
**WATER ANALYSIS**

File RP-4-WA-406-24

Company Tenneco Oil Well Name Griffin Point II #1 Sample No. 24  
 Formation Unknown Depth 9600-9612 Sampled From \*  
 Location SE, SE 22, T33S, R1W Field \* County Garfield State Utah  
 Date Sampled 7-13-75 7:45PM Date Analyzed Started 8-21-75 Engineer APH/RGC

\*Information not supplied

Total Dissolved Solids 288,543 mg/L Calc

Sp. Gr. 1.169 @ 75 °F.

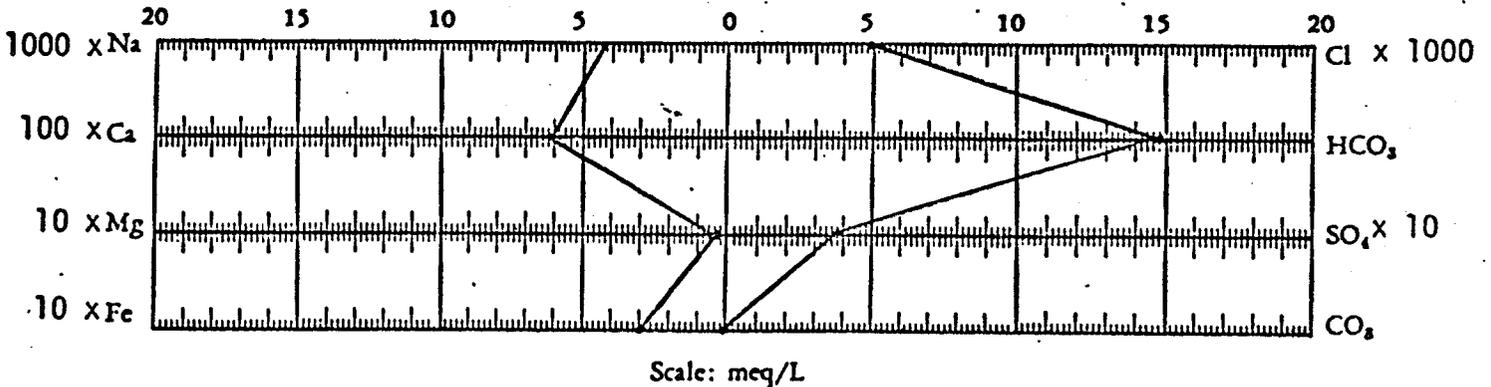
Resistivity 0.115 ohm-meters @ 75 °F. Meas

Hydrogen Sulfide Absent

pH 6.7

Constituents	meq/L	mg/L
Sodium	<u>4306.2</u>	<u>99000</u>
Calcium	<u>612.0</u>	<u>12264</u>
Magnesium	<u>4.0</u>	<u>49</u>
Iron	<u>30.0</u>	<u>838</u>
Barium	<u>NIL</u>	<u>NIL</u>

Constituents	meq/L	mg/L
Chloride	<u>4900.6</u>	<u>173720</u>
Bicarbonate	<u>14.8</u>	<u>903</u>
Sulfate	<u>36.8</u>	<u>1770</u>
Carbonate	<u>NIL</u>	<u>NIL</u>
Hydroxide	<u>NIL</u>	<u>NIL</u>



All analyses except iron determination performed on a filtered sample.



**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
**DALLAS, TEXAS**  
**WATER ANALYSIS**



File RP-4-WA-406-23

Company Tenneco Oil Well Name Griffin Point II #1 Sample No. 23  
10196'-204'  
 Formation Navajo Depth 10152'-160' & 10176'-190' Sampled From \*  
*SE, SE, 22, T 33S, R 1W*  
 Location \* Field \* County Garfield State Utah  
 Date Sampled 7-10-75 4:00PM Date Analyzed Started 8-21-75 Engineer APH/RGC

\*Information not supplied

Total Dissolved Solids 4,186 mg/L Calc

Sp. Gr. 1.006 @ 75 °F.

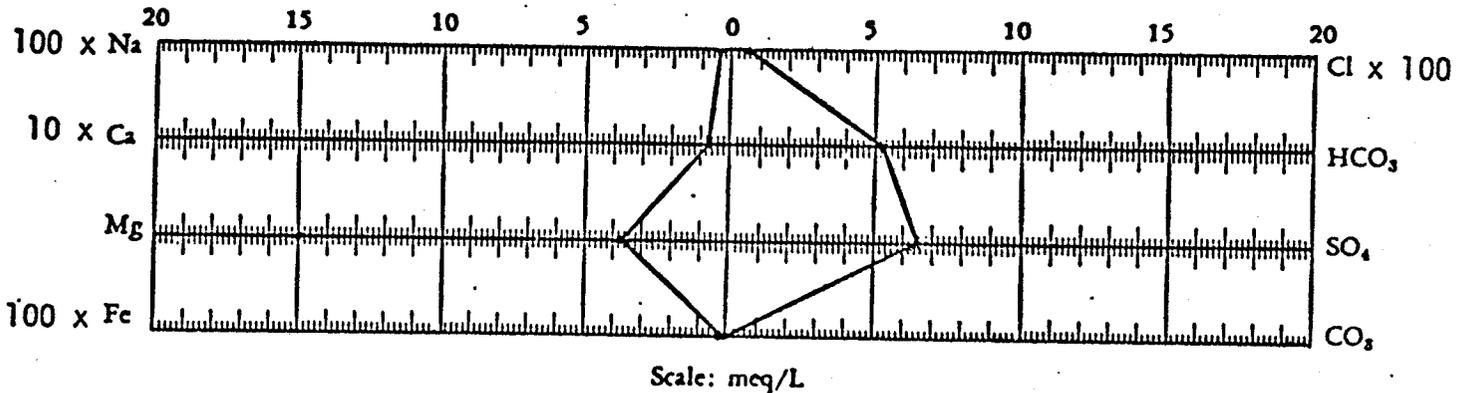
Resistivity 1.58 ohm-meters @ 75 °F. Meas \_\_\_\_\_

Hydrogen Sulfide Absent

pH 7.8

Constituents	meq/L	mg/L
Sodium	<u>42.5</u>	<u>977</u>
Calcium	<u>6.5</u>	<u>130</u>
Magnesium	<u>3.7</u>	<u>45</u>
Iron	<u>15.0</u>	<u>419</u>
Barium	<u>NIL</u>	<u>NIL</u>

Constituents	meq/L	mg/L
Chloride	<u>56.0</u>	<u>1985</u>
Bicarbonate	<u>5.2</u>	<u>317</u>
Sulfate	<u>6.5</u>	<u>313</u>
Carbonate	<u>NTI</u>	<u>NTI</u>
Hydroxide	<u>NTI</u>	<u>NTI</u>



All analyses except iron determination performed on a filtered sample.



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SEP 8 1976

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
**DALLAS, TEXAS**  
**WATER ANALYSIS**

File RP-4-WA-406-20

Company Tenneco Oil Well Name Griffin Point II #1 Sample No. 20  
10196'-204' &  
Formation Navajo Depth 10152'-160' & 10176'-190' Sampled From \*  
SE, SE, 22, T33S, R1W  
Location \* Field \* County Garfield State Utah  
Date Sampled 7-9-75 5:30PM Date Analyzed Started 8-21-75 Engineer APH/RGC

\*Information not supplied

Total Dissolved Solids 6,001 mg/L Calc

Sp. Gr. 0.994 @ 75 °F.

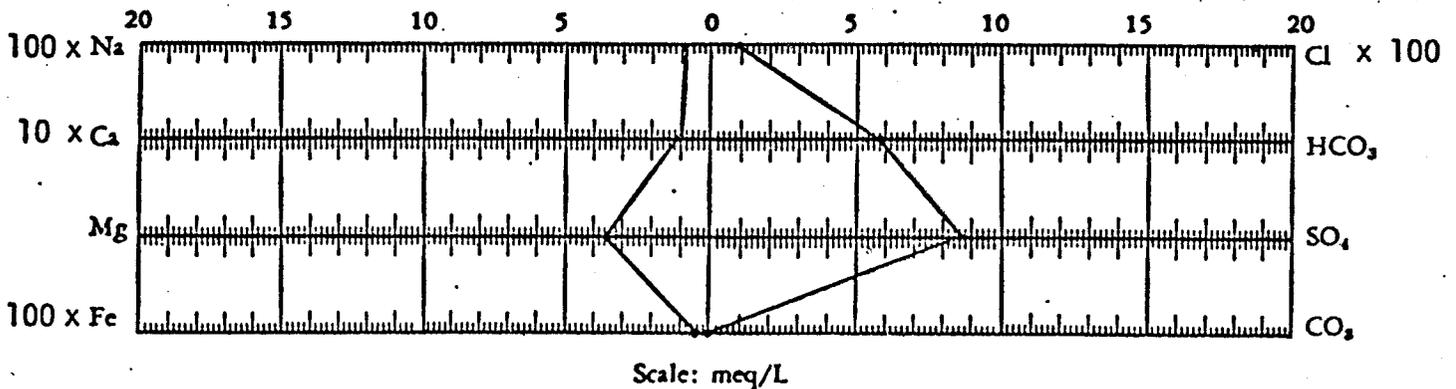
Resistivity 1.25 ohm-meters @ 75 °F. Meas

Hydrogen Sulfide Absent

pH 7.9

Constituents	meq/L	mg/L
Sodium	<u>86.0</u>	<u>1977</u>
Calcium	<u>9.9</u>	<u>198</u>
Magnesium	<u>3.5</u>	<u>43</u>
Iron	<u>37.2</u>	<u>1039</u>
Barium	<u>NIL</u>	<u>NIL</u>

Constituents	meq/L	mg/L
Chloride	<u>85.0</u>	<u>3014</u>
Bicarbonate	<u>5.8</u>	<u>354</u>
Sulfate	<u>8.6</u>	<u>415</u>
Carbonate	<u>NIL</u>	<u>NIL</u>
Hydroxide	<u>NIL</u>	<u>NIL</u>



All analyses except iron determination performed on a filtered sample.



**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
**DALLAS, TEXAS**  
**WATER ANALYSIS**



File RP-4-WA-406-18

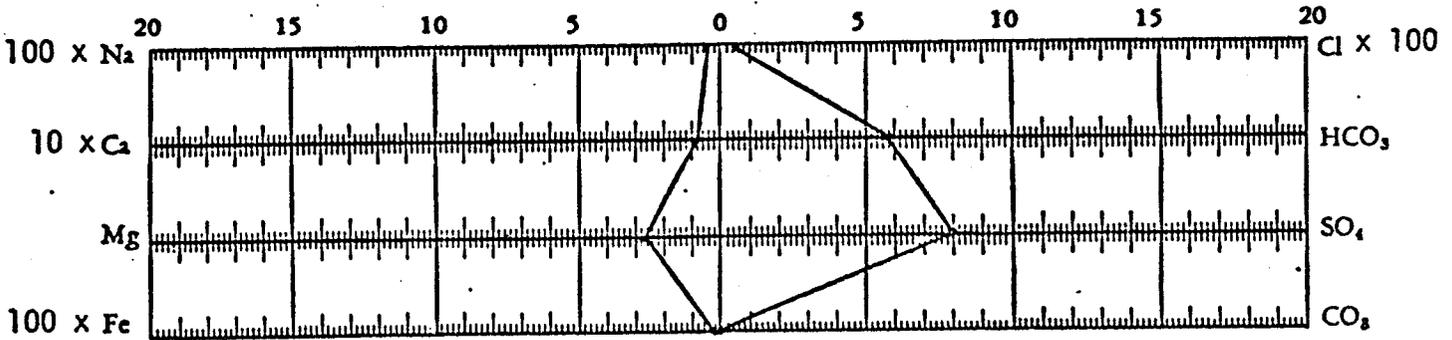
Company Tenneco Oil Well Name Griffin Point II #1 Sample No. 18  
 Formation Navajo Depth 10422 - 438 & 10701'-709' Sampled From \*  
 Location SE, SE, 22, T. 33S, R. 1W Field \* County Garfield State Utah  
 Date Sampled 7-1-75 4:30PM Date Analyzed Started 8-21-75 Engineer APH/RGC

\*Information not supplied

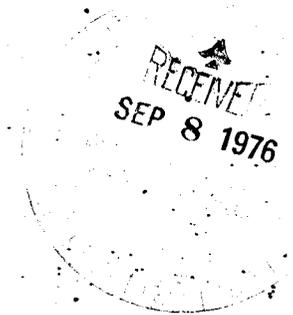
Total Dissolved Solids 4,251 mg/L Calc Sp. Gr. 1.011 @ 75 °F.  
 Resistivity 1.90 ohm-meters @ 75 °F. Meas Hydrogen Sulfide Absent  
 pH 7.7

Constituents	meq/L	mg/L
Sodium	<u>48.0</u>	<u>1104</u>
Calcium	<u>8.0</u>	<u>160</u>
Magnesium	<u>2.6</u>	<u>32</u>
Iron	<u>22.2</u>	<u>620</u>
Barium	<u>NIL</u>	<u>NIL</u>

Constituents	meq/L	mg/L
Chloride	<u>45.0</u>	<u>1595</u>
Bicarbonate	<u>5.8</u>	<u>354</u>
Sulfate	<u>8.0</u>	<u>386</u>
Carbonate	<u>NIL</u>	<u>NIL</u>
Hydroxide	<u>NIL</u>	<u>NIL</u>



All analyses except iron determination performed on a filtered sample.



**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
**DALLAS, TEXAS**  
**WATER ANALYSIS**

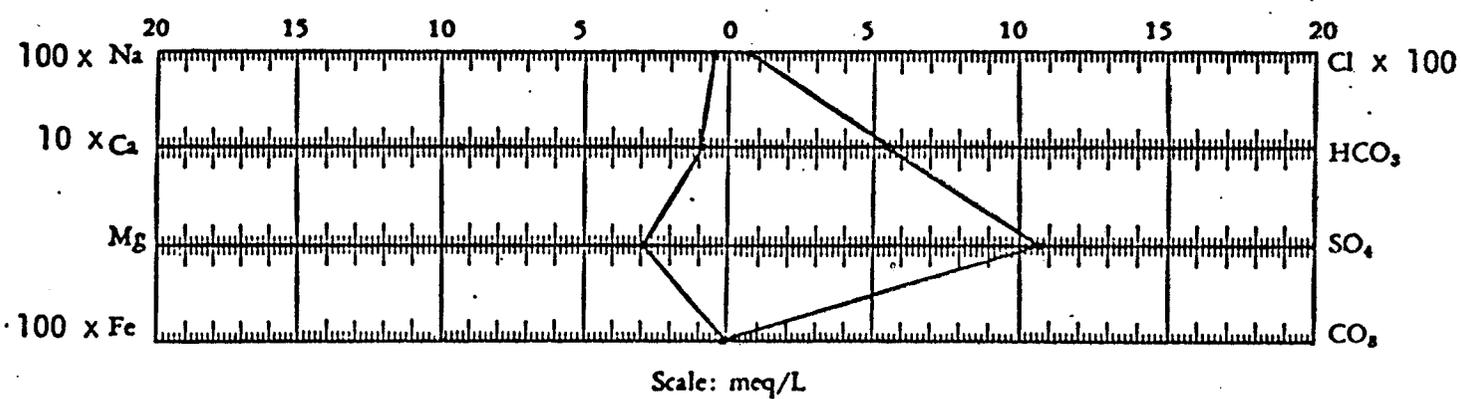
File RP-4-WA-406-16

Company Tenneco Oil Well Name Griffin Point II #1 Sample No. 16  
 Formation Navajo Depth 10422 - 438 ~~10675 - 692' & 10701 - 709'~~ Sampled From \*  
 Location SE, SE, 22, T33S, R1W \* Field \* County Garfield State Utah  
 Date Sampled 6-30-75 12:30PM Date Analyzed Started 8-21-75 Engineer APH/RGC

\*Information not supplied

Total Dissolved Solids 4,675 mg/L Calc Sp. Gr. 1.007 @ 75 °F.  
 Resistivity 1.55 ohm-meters @ 75 °F. Meas Hydrogen Sulfide Absent  
 pH 7.6

Constituents	meq/L	mg/L	Constituents	meq/L	mg/L
Sodium	<u>52.3</u>	<u>1202</u>	Chloride	<u>59.0</u>	<u>2092</u>
Calcium	<u>9.3</u>	<u>186</u>	Bicarbonate	<u>5.6</u>	<u>342</u>
Magnesium	<u>2.9</u>	<u>35</u>	Sulfate	<u>10.7</u>	<u>516</u>
Iron	<u>10.8</u>	<u>302</u>	Carbonate	<u>NIL</u>	<u>NIL</u>
Barium	<u>NIL</u>	<u>NIL</u>	Hydroxide	<u>NIL</u>	<u>NIL</u>



All analyses except iron determination performed on a filtered sample.



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**CORE LABORATORIES, INC.**  
Petroleum Reservoir Engineering  
DALLAS, TEXAS  
WATER ANALYSIS

File RP-4-WA-406-13

Company Tenneco Oil Well Name Griffin Point II #1 Sample No. 13  
Formation Navajo Depth 10676'-692' & 10701-709' Sampled From \*  
Location SE, SE, 22, T 33S, R1W Field \* County Garfield State Utah  
Date Sampled 6-27-75 6:00PM Date Analyzed Started 8-21-75 Engineer APH/RGC

\*Information not supplied

Total Dissolved Solids 2,646 mg/L Calc

Sp. Gr. 0.996 @ 75 °F.

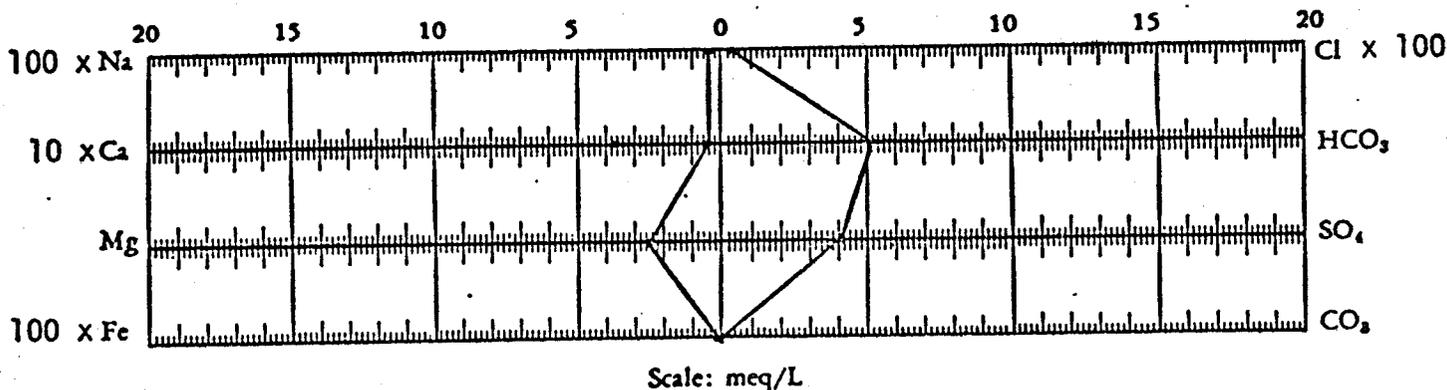
Resistivity 2.40 ohm-meters @ 75 °F. Meas

Hydrogen Sulfide Absent

pH 8.0

Constituents	meq/L	mg/L
Sodium	<u>36.6</u>	<u>841</u>
Calcium	<u>3.7</u>	<u>74</u>
Magnesium	<u>2.5</u>	<u>30</u>
Iron	<u>9.0</u>	<u>251</u>
Barium	<u>NIL</u>	<u>NIL</u>

Constituents	meq/L	mg/L
Chloride	<u>33.5</u>	<u>1188</u>
Bicarbonate	<u>5.2</u>	<u>317</u>
Sulfate	<u>4.1</u>	<u>196</u>
Carbonate	<u>NIL</u>	<u>NIL</u>
Hydroxide	<u>NIL</u>	<u>NIL</u>



All analyses except iron determination performed on a filtered sample.



**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
**DALLAS, TEXAS**  
**WATER ANALYSIS**

RECEIVED  
 SEP 8 1976

File RP-4-WA-406-11

Company Tenneco Oil Well Name Griffin Point II #1 Sample No. 11  
 Formation Navajo Depth 10973'-10985' Sampled From \*  
 Location SE, SE, 22, T33S, R1W \* Field \* County Garfield State Utah  
 Date Sampled 6-24-75 10:30AM Date Analyzed Started 8-21-75 Engineer APH/RGC

\*Information not supplied

Total Dissolved Solids 1.320 mg/L Calc

Sp. Gr. 0.999 @ 75 °F.

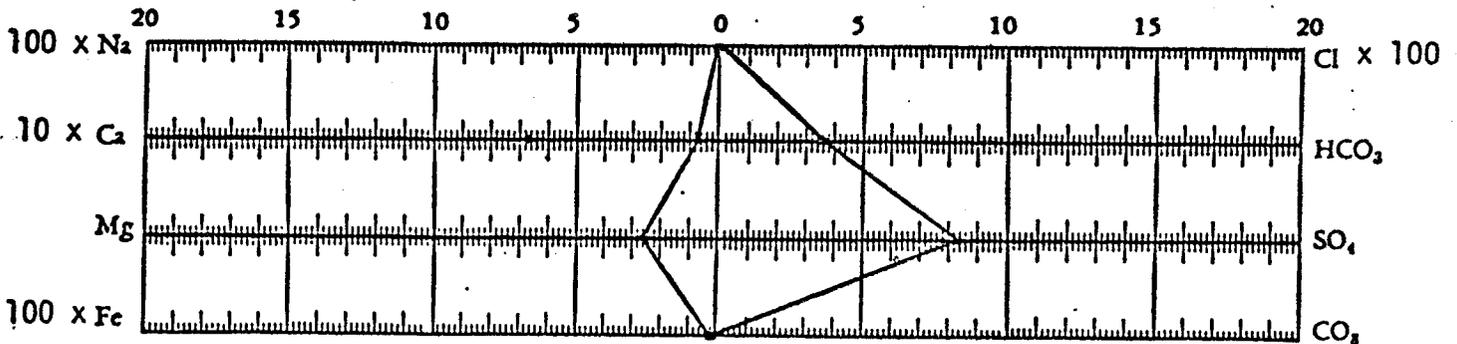
Resistivity 5.70 ohm-meters @ 75 °F. Meas

Hydrogen Sulfide Absent

pH 7.9

Constituents	meq/L	mg/L
Sodium	<u>10.7</u>	<u>246</u>
Calcium	<u>6.7</u>	<u>134</u>
Magnesium	<u>2.6</u>	<u>32</u>
Iron	<u>19.8</u>	<u>553</u>
Barium	<u>NTI</u>	<u>NTI</u>

Constituents	meq/L	mg/L
Chloride	<u>8.0</u>	<u>284</u>
Bicarbonate	<u>3.6</u>	<u>220</u>
Sulfate	<u>8.4</u>	<u>404</u>
Carbonate	<u>NTI</u>	<u>NTI</u>
Hydroxide	<u>NTI</u>	<u>NTI</u>



Scale: meq/L

All analyses except iron determination performed on a filtered sample.



**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
**DALLAS, TEXAS**  
**WATER ANALYSIS**

File RP-4-WA-406-28

Company Tenneco Oil Well Name Griffin Point II #1 Sample No. 28  
 Formation Unknown Depth 9600-9612 Sampled From \*  
 Location SE, SE, 22, T33S, R1W Field \* County Garfield State Utah  
 Date Sampled 7-16-75 10:00PM Date Analyzed Started 8-21-75 Engineer APH/RGC

\*Information not supplied

Total Dissolved Solids 334,878 mg/L Calc

Sp. Gr. 1.232 @ 75 °F.

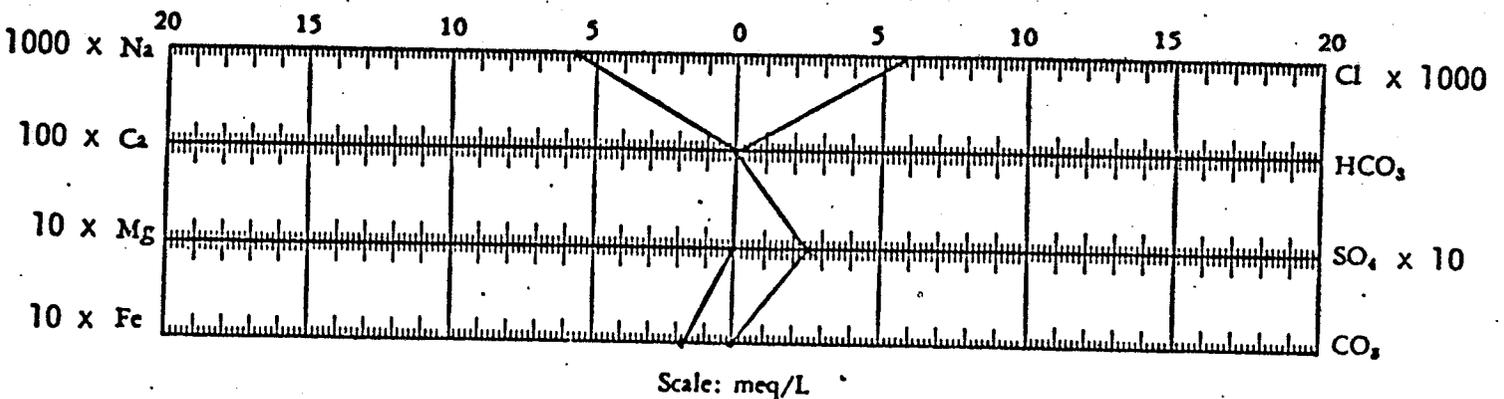
Resistivity 0.100 ohm-meters @ 75 °F. Meas

Hydrogen Sulfide Absent

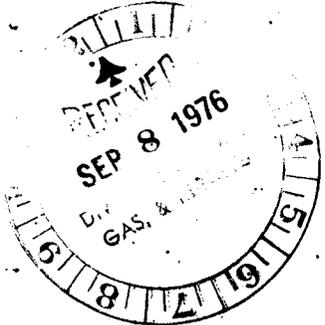
pH 0

Constituents	meq/L	mg/L
Sodium	<u>5705.2</u>	<u>131163</u>
Calcium	<u>NIL</u>	<u>NIL</u>
Magnesium	<u>NIL</u>	<u>NIL</u>
Iron	<u>18.0</u>	<u>525</u>
Barium	<u>NIL</u>	<u>NIL</u>

Constituents	meq/L	mg/L
Chloride	<u>5698.4</u>	<u>202000</u>
Bicarbonate	<u>NIL</u>	<u>NIL</u>
Sulfate	<u>24.8</u>	<u>1190</u>
Carbonate	<u>NIL</u>	<u>NIL</u>
Hydroxide	<u>NIL</u>	<u>NIL</u>



All analyses except iron determination performed on a filtered sample.



**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
**DALLAS, TEXAS**  
**WATER ANALYSIS**

File RP-4-WA-406-26

Company Tenneco Oil Well Name Griffin Point II #1 Sample No. 26  
 Formation Unknown Depth 9600 - 902 Sampled From \*  
 Location SE, SE 22, T 33S, R 1W Field \* County Garfield State Utah  
 Date Sampled 7-14-75 10:30PM Date Analyzed Started 8-21-75 Engineer APH/RGC

\*Information not supplied

Total Dissolved Solids 296.042 mg/L Calc

Sp. Gr. 1.181 @ 75 °F.

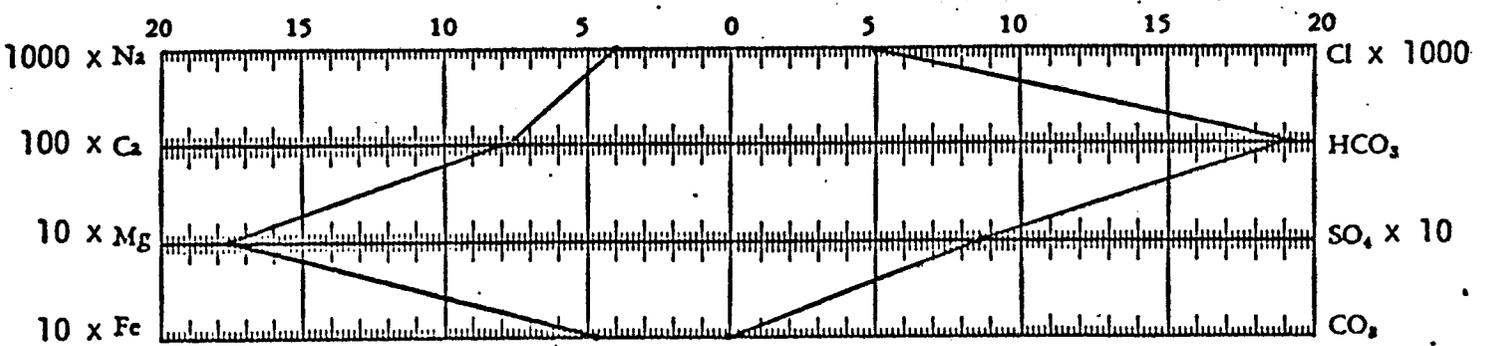
Resistivity 0.115 ohm-meters @ 75 °F. Meas

Hydrogen Sulfide Absent

pH 6.6

Constituents	meq/L	mg/L
Sodium	<u>4109.5</u>	<u>94477</u>
Calcium	<u>774.0</u>	<u>15510</u>
Magnesium	<u>176.0</u>	<u>2140</u>
Iron	<u>47.0</u>	<u>1312</u>
Barium	<u>NIL</u>	<u>NIL</u>

Constituents	meq/L	mg/L
Chloride	<u>5000.6</u>	<u>177265</u>
Bicarbonate	<u>19.2</u>	<u>1171</u>
Sulfate	<u>86.7</u>	<u>4165</u>
Carbonate	<u>NIL</u>	<u>NIL</u>
Hydroxide	<u>NIL</u>	<u>NIL</u>



All analyses except iron determination performed on a filtered sample.