

Water Aug

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

Checked by Chief RMB

Copy NID to Field Office \_\_\_\_\_

Approval Letter \_\_\_\_\_

Disapproval Letter \_\_\_\_\_

COMPLETION DATA:

Date Well Completed 4-21-66

Location Inspected \_\_\_\_\_

OW

WW \_\_\_\_\_

TA \_\_\_\_\_

Bond released \_\_\_\_\_

GW \_\_\_\_\_

OS \_\_\_\_\_

PA \_\_\_\_\_

State of Fee Land \_\_\_\_\_

LOGS FILED

Driller's Log 6-27-69

Electric Logs (No. ) \_\_\_\_\_

E \_\_\_\_\_

I \_\_\_\_\_

E-I

GR \_\_\_\_\_

GR-N \_\_\_\_\_

Micro

Lat \_\_\_\_\_

Mi-L \_\_\_\_\_

Sonic \_\_\_\_\_

Others \_\_\_\_\_

Perforating depth Control  
Cement Bond

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

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

2. NAME OF OPERATOR  
**Gulf Oil Corporation**

3. ADDRESS OF OPERATOR  
**P. O. Box 1971, Casper, Wyoming 82601**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  At proposed prod. zone   
**702' NSL, 1980' SEL NW(SW SE)**

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
**702' South**

16. NO. OF ACRES IN LEASE  
**602**

17. NO. OF ACRES ASSIGNED TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
**None**

19. PROPOSED DEPTH  
**6000'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**Ungraded ground 4975.21'. Est. finish grade 4972.71'**

22. APPROX. DATE WORK WILL START\*  
**2-18-66**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	300'	240 sacks
7-7/8"	5-1/2"	14#	6000'	280 sacks

**We propose to drill water injection well to 6000' to inject water into the Lower Green River formation.**

C-1  
F-R

APPROVED BY UTAH OIL AND GAS CONSERVATION COMMISSION

DATE: 2-14-66 by *Paul M. Benschell*

CHIEF PETROLEUM ENGINEER

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. ORIGINAL SIGNED BY  
 SIGNED J. D. MACKAY TITLE Area Engineer DATE 1-28-66

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

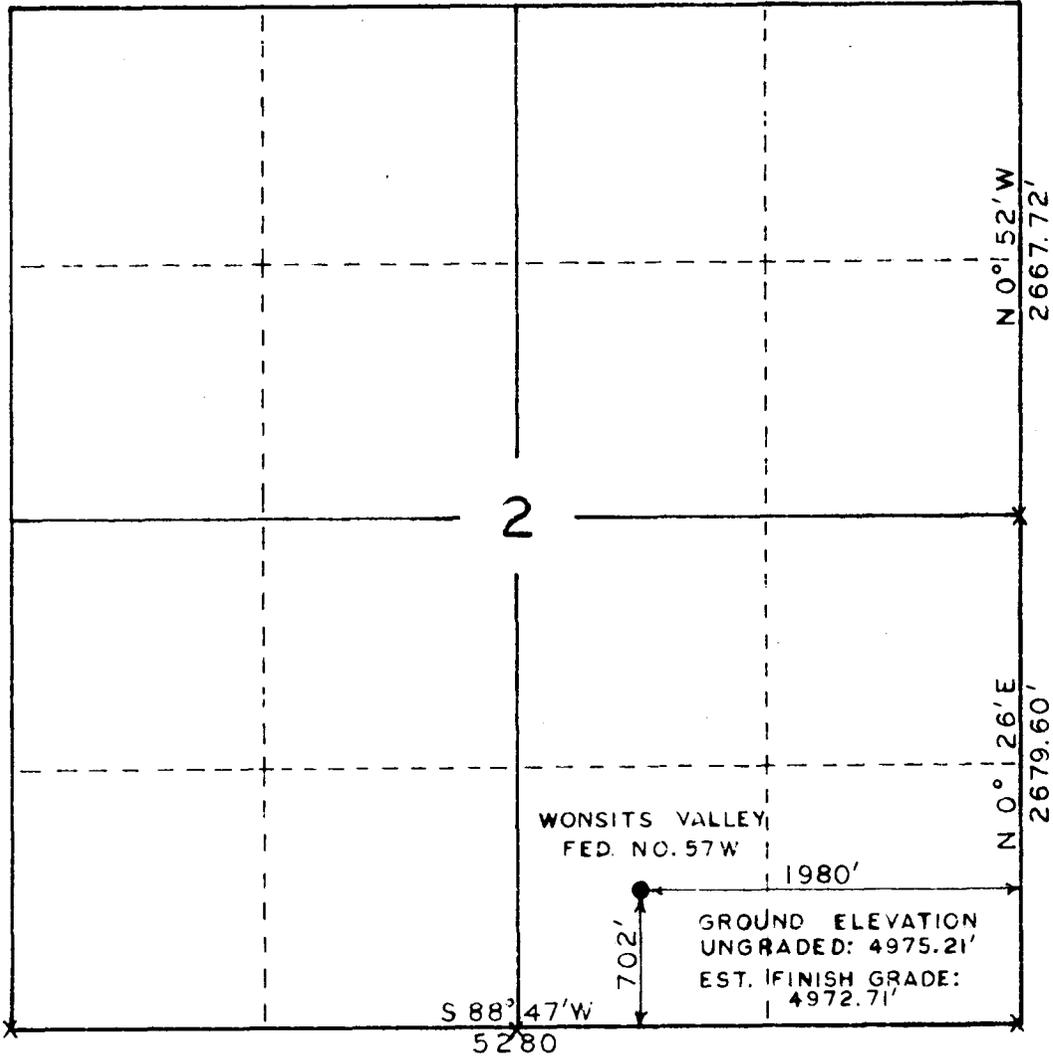
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah O&G Cons. Comm. (2)  
C. T. Gilbert (1)

\*See Instructions On Reverse Side

T 8 S, R 21 E, SLB & M



Scale: 1" = 1000'

X - Corners Located (Brass Cap)

By: ROSS CONSTRUCTION CO.  
Vernal, Utah



<p>PARTY R. D. Ross L. E. Heeney</p> <p>WEATHER Cold-Clear</p>	<p>SURVEY GULF OIL CORPORATION WONSITS VALLEY FEDERAL NO. 57W LOCATED AS SHOWN IN SW 1/4, SE 1/4, SEC. 2, T 8 S, R 21 E, SLB&amp;M, UINTAH COUNTY, UTAH.</p>	<p>DATE 1/20/66 REFERENCES USGLO Township Plat FILE Gulf</p>
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# Gulf Oil Corporation

CASPER PRODUCTION AREA

L. W. LeFavour  
AREA PRODUCTION MANAGER  
B. W. Miller  
AREA EXPLORATION MANAGER

P. O. Box 1971  
Casper, Wyo. 82601

June 24, 1966

United States Geological Survey  
3416 Federal Building  
125 South State Street  
Salt Lake City, Utah 84111

Utah Oil & Gas Conservation Commission  
248 East South Temple - Suite 301  
Salt Lake City, Utah 84111

Re: Wonsits Valley Federal Unit  
Well No. 57W  
SW SE Section 2-0S-21E SLB&H  
Uintah County, Utah

Gentlemen:

Attached, in duplicate, to each addressee is  
Well Completion Report on captioned well.

We desire to keep all information confidential  
on the above-subject well.

Yours very truly,

ORIGINAL SIGNED BY  
J. D. MACKAY  
Don Mackay  
AREA ENGINEER

WJC:rlk



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

15

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  \*\*GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: See note below  
NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**GULF OIL CORPORATION**

3. ADDRESS OF OPERATOR  
**P. O. Box 1971, Casper, Wyoming 82601**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface **702' FSL, 1980' FEL Section 2**  
At top prod. interval reported below  
At total depth

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED **2-2-66**

15. DATE SPUNDED **2-24-66** 16. DATE T.D. REACHED **3-9-66** 17. DATE COMPLETION (Ready to prod.) **4-21-66**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **4990 AKB** 19. ELEV. CASINGHEAD **4975**

20. TOTAL DEPTH, MD & TVD **5735** 21. PLUG, BACK T.D., MD & TVD **5698** 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **All** CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**Basal Green River F-2 5505' - 5520'**  
**G-1 5642' - 5676'**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**Induction-Electric, Microlog, Cement Bond Log, Depth Control**

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	24#	295	12 1/4	200 sacks	None
5-1/2	14#	5735	7-7/8	225 sacks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	5664	

31. PERFORATION RECORD (Interval, size and number)

**F-2 5506 - 5514', 2JHPF**  
**G-1 5654 - 4 way tandem radial**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
F-2	250 gal. 7 1/2% mud acid
G-1	250 gal. 7 1/2% mud acid
G-1	1000 gal Dowell X
G-1	Frac. 626 bbls crude w/ 11450# beads

33.\* PRODUCTION

DATE FIRST PRODUCTION **4-21-66** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **Pumping 14 x 86 SPM 2 1/2" bore** WELL STATUS (Producing or shut-in) **producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4-21-66	24	--	→	56	TSTM	241	-

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
		→	56	TSTM	241	30.9°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**Fuel and Sold**

TEST WITNESSED BY **T. A. Phillips**

35. LIST OF ATTACHMENTS  
**2 copies of each log listed in 26**

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

ORIGINAL SIGNED BY **J. D. MACKAY** TITLE **Area Engineer** DATE **JUN 23 1966**

# 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 35.

**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; CORRD INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

27 1966

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS	MEAS. DEPTH	TRUE VERT. DEPTH
Basal Green River	F-2	5506	5514	Swabbed Dry	Basal Green Rvr.		5478	
	F-4	5558	5580	Not Tested	F-1		5505	
	F-5	5600	5625	Not Tested	F-2		5556	
	G-1	5642	5656	Oil & Water	F-4		5592	
					G-1		5642	

**NOTE:** Well was originally drilled as a water injection well and was put on pump pending completion of additional injection plant capacity. Well will be converted to injection in the near future as injection water becomes available.

No water sands tested.

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

SUBMIT IN THIS ORIENTATION  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

**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. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. <b>Utah State NL-2785</b>
2. NAME OF OPERATOR <b>Gulf Oil Corporation</b>		6. FEDERAL INDIAN ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <b>Box 1971 Casper, Wyoming</b>		7. UNIT AGREEMENT NAME <b>Wapitsa Valley Fed. Unit</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>782' FSL &amp; 1980' FSL</b>		8. FARM OR LEASE NAME <b>Wapitsa Valley</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4990 NS</b>	9. WELL NO. <b>574</b>
		10. FIELD AND POOL OR WILDCAT <b>Wapitsa-Wapitsa Valley</b>
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA <b>2-36-218</b>
		12. COUNTY OR PARISH <b>Utah</b>
		13. STATE <b>Utah</b>

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 type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <b>Convert to water injection</b> <input checked="" type="checkbox"/>			

\*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.)\*

Well was originally drilled for water injection and was put on pump pending completion at injection plants. We now propose to convert to water injection through perforations in the F-2 (5506-14), G-1 (5654) and new perforations in the F-4 (5558-80). Well completed for 56 BOPD but is now producing only about 20 BOPD with 300+ BOPD. Work will begin on receipt of approval.

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

SIGNED: Original Signed By  
**LESTER LaFAVOUR**  
**LESTER LaFAVOUR**

TITLE: **AREA PRODUCTION MANAGER**

DATE: **June 27, 1966**

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:  
**Utah Oil & Gas Conservation Commission**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THE ORIGINAL  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah State #1-2702

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  **Water Injection**

7. UNIT AGREEMENT NAME

Monita Valley

2. NAME OF OPERATOR

Gulf Oil Corporation

8. FARM OR LEASE NAME

Monita Valley Pad, Unit

3. ADDRESS OF OPERATOR

P. O. Box 1971, Casper, Wyoming 82601

9. WELL NO.

574

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

At surface 702' NSL, 1980' WEL (3V SE)

10. FIELD AND POOL, OR WILDCAT

Monita Valley

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

2-36-21E

14. PERMIT NO.

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

10 4990'

12. COUNTY OR PARISH

Utah

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

ABANDONING\*

CHANGE PLANS

(NOTE: Report results of multiple completion on Well Completion or Recombination 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.)\*

Before conversion, production rate was 21 BOPD and 339 BOPD.

Started injecting water 7-18-66 into the F-2, F-4, and G-1 at rate of 2713 BOPD at 1600 psi.

CONFIDENTIAL

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

ORIGINAL SIGNED BY

SIGNED J. D. Mackay

TITLE AREA ENGINEER

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah Oil & Gas Conservation Commission (2)

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah State ML - 2785

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

WATER INJECTION WELL

2. NAME OF OPERATOR

Gulf Oil Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1971 Casper, Wyoming 82601

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

702' NSL, 1980' WEL ( SW SE )

14. PERMIT NO.

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

GR 4972.71

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

16.

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other) Perforate F-5 Zone

X

(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.)\*

Presently we are injecting water into F-2, 5506' - 14', F-4, 5558' - 5580', and G-1, 5654'.

We propose to prepare well to also inject water into F-5 zone to enlarge flood pattern as follows:

Pull tubing and packers. Perforate F-5 zone from 5614' - 5624' w/2 JHPF Breakdown F-5 perforations with 250 gallons 15% NCL. Establish injection rate. Hook up for injection.

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

ORIGINAL SIGNED BY

SIGNED J. D. MACKAY

TITLE Area Engineer

DATE 1/5/69

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

cc: Utah Oil & Gas Commission (2)

October 8, 1968

Gulf Oil Corporation  
P. O. Box 1971  
Casper, Wyoming 82601

Re: Well Nos. Wonsite Valley Unit  
Federal #14, #15, #56 W, and  
#57 W, Uintah County, Utah.

Gentlemen:

This letter is to advise you that the Subsequent Report of Perforating the F-5 zone of the above mentioned wells is due and has not been filed with this office as required by our General Rules and Regulations and Rules of Practice and Procedure.

Please complete the enclosed Forms OGC-1b and forward them to this office as soon as possible.

Thank you for your cooperation in this request.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON  
RECORDS CLERK

sc

Enclosure: Forms OGC-1b

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah State M-2735

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.)

7. UNIT AGREEMENT NAME

Wonsits Valley

8. FARM OR LEASE NAME

Wonsits

Valley Unit/St-Fed

9. WELL NO.

570

10. FIELD AND POOL, OR WILDCAT

Wonsits - Wonsits Valley

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

2-35-21E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1.

OIL WELL  GAS WELL  OTHER

Water Injection Well

2. NAME OF OPERATOR

Gulf Oil Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1277, Casper, Wyoming 82601

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

702' DSL, 1500' WEL (SW SE)

14. PERMIT NO.

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

GR 4572.71'

16.

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) Perforate F-5

X

(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.)\*

POSTD 5690'. Perforated F-5 5614' - 5624' with 2-NIPP. Set BP at 5635', packer at 5550'. Acidized F-5 with 250 gallons 15% acid. Pulled BP and packer. Ran injection string, and hooked up for injection. Injecting water at rate of 2197 barrels per day.

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

ORIGINAL SIGNED BY

SIGNED I. D. MACKAY

TITLE Area Production Manager

DATE October 23, 1963

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah Oil & Gas Commission (2)

\*See Instructions on Reverse Side

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

\* \* \* \* \*

Operator: Gulf Well No. Woods Valley Hwy 57  
 County: Utah T 85 R 21E Sec. 2 API# 43-047-20016  
 New Well  Conversion  Disposal Well  Enhanced Recovery Well

	<u>YES</u>	<u>NO</u>
UIC Forms Completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plat including Surface Owners, Leaseholders, and wells of available record	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schematic Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fracture Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pressure and Rate Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adequate Geologic Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fluid Source	<u>Greenman</u>	
Analysis of Injection Fluid	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TDS <u>22974</u> AVG
Analysis of Water in Formation to be injected into	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TDS <u>27490</u> AVG
Known USDW in area	<u>Utah</u>	Depth <u>1780</u>
Number of wells in area of review	<u>3</u> Prod.	<u>0</u> P&A <u>1</u>
	Water <u>0</u>	Inj. <u>2</u>
Aquifer Exemption	Yes <input type="checkbox"/> NA <input checked="" type="checkbox"/>	
Mechanical Integrity Test	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Date		Type

Comments: TOC 4898 BOC 5735

Reviewed by: [Signature]

STATE OF UTAH  
 DIVISION OF OIL, GAS, AND MINING  
 ROOM 4241 STATE OFFICE BUILDING  
 SALT LAKE CITY, UTAH 84114  
 (801) 533-5771  
 (RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1  
 (Revised 1982)

IN THE MATTER OF THE APPLICATION OF  
Gulf Oil Corporation  
 ADDRESS P. O. Box 2619  
Casper, Wyoming ZIP 82602  
 INDIVIDUAL  PARTNERSHIP  CORPORATION   
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
 INJECT FLUID INTO THE WVU S/F #57 WELL  
 SEC. 2 TWP. 8S RANGE 21E  
Uintah COUNTY, UTAH

CAUSE NO. \_\_\_\_\_

ENHANCED RECOVERY INJ. WELL	<input checked="" type="checkbox"/>
DISPOSAL WELL	<input type="checkbox"/>
LP GAS STORAGE	<input type="checkbox"/>
EXISTING WELL (RULE I-4)	<input checked="" type="checkbox"/>

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>Wonsits Valley</u>	Well No. <u>57</u>	Field <u>Wonsits Valley</u>	County <u>Uintah</u>
Location of Enhanced Recovery Injection or Disposal Well <u>SW SE</u> Sec. <u>2</u> Twp. <u>8S</u> Rge. <u>21E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>None</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	State What <u>Oil</u>	
Location of WVU Produced Water and Fresh Injection Source(s) <u>Water from Sec. 6-T7S-R21E</u>	Geologic Name(s) <u>Green River Wells 5000'-5700'</u> and Depth of Source(s) <u>Uinta Wells 70'-90'</u>		
Geologic Name of Injection Zone <u>Green River</u>	Depth of Injection Interval <u>5506</u> to <u>5654</u>		
a. Top of the Perforated Interval: <u>5506</u>	b. Base of Fresh Water: <u>1880</u>	c. Intervening Thickness (a minus b) <u>3626</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Lithology of Intervening Zones			
Injection Rates and Pressures Maximum _____ B/D _____ PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			
<u>BLM</u>			
<u>BIA</u>			

State of Wyoming)

County of Natrona)

D. F. McHugo  
 Applicant

Before me, the undersigned authority, on this day personally appeared D. F. McHugo, Production Engineer known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Suscribed and sworn to before me this 23rd day of September, 1983

SEAL

My commission expires 03/16/86

Bette  
 Bette [Signature]  
 County of Natrona State of Wyoming  
 Notary Public in and for Natrona County, Wyoming  
 My Commission Expires March 16, 1986

(OVER)

## INSTRUCTIONS

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehole within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

## CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	8 5/8"	295	200		
Intermediate					
Production	5 1/2"	5735	225	4898	Cement Bond Log
Tubing	2 7/8"	5676	Name - Type - Depth of Tubing Packer		
<b>Total Depth</b> 5735	<b>Geologic Name - Inj. Zone</b> Green River	<b>Depth - Top of Inj. Interval</b> 5506	<b>Depth - Base of Inj. Interval</b> 5654		

PLEASE TYPE OR USE BLACK INK ONLY

(To be filed within 30 days after drilling is completed)

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

COUNTY  
LEASE NO.

API NO. 43-047-20016

640 Acres  
N

DIVISION OF OIL, GAS, AND MINING  
Room 4241 State Office Building  
Salt Lake City, Utah 84114

COUNTY Uintah SEC. 2 TWP. 8S RGE. 21E

COMPANY OPERATING Gulf Oil Corporation

OFFICE ADDRESS P. O. Box 2619

TOWN Casper STATE ZIP WY 82602

FARM NAME WVU S/F WELL NO. 57

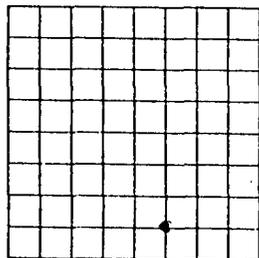
DRILLING STARTED 02/25 19 66 DRILLING FINISHED 03/10 19 66

DATE OF FIRST PRODUCTION 04/21/66 COMPLETED 04/08/66

WELL LOCATED C  $\frac{1}{4}$  SW  $\frac{1}{4}$  SE  $\frac{1}{4}$

702 FT. FROM SL OF  $\frac{1}{4}$  SEC. & 660 FT. FROM WL OF  $\frac{1}{4}$  SEC.

ELEVATION DERRICK FLOOR 4990 GROUND 4975



S  
Locate Well Correctly  
and Outline Lease

TYPE COMPLETION

Single Zone \_\_\_\_\_

Multiple Zone X

Comingled \_\_\_\_\_

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Green River "F-2"	5505	5520			
Green River "G-1"	5642	5676			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Tap
8 5/8"	24#	J	295		200		
5 1/2"	14#	J	5735		225		4898

TOTAL DEPTH 5735

PACKERS SET  
DEPTH 5495 5535 5602 5638

NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-6

COMPLETION & TEST DATA BY PRODUCING FORMATION

1 2 3

FORMATION	Green River		
SPACING & SPACING ORDER NO.	40 Acre		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Enhanced Recovery		
PERFORATED	5506-14 5654		
INTERVALS			
ACIDIZED?	Yes		
FRACTURE TREATED?	Yes		

INITIAL TEST DATA

Date	04/21/66		
Oil, bbl./day	56		
Oil Gravity	30.9		
Gas, Cu. Ft./day	TSTM	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.			
Water-Bbl./day	241		
Pumping or Flowing	Pumping		
CHOKE SIZE			
FLOW TUBING PRESSURE			

A record of the formations drilled through, and pertinent remarks are presented on the reverse.  
(use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone (307) 235-1311

Name and title of representative of company  
D. F. McHugo, Production Engineer

Subscribed and sworn before me this 23rd day of September, 19 83

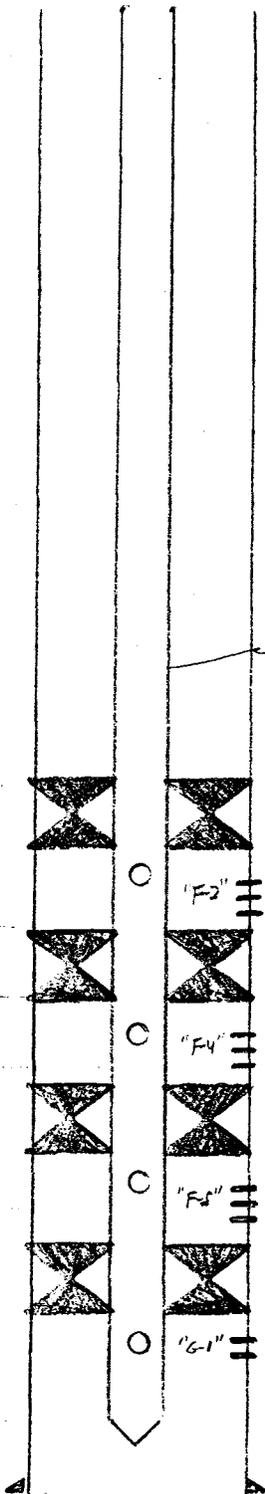
Wonsits Valley Unit st./Fed # 57  
Well Diagram

Well Elevation: 4990'KB 1975'GL

8 5/8" OD surface pipe  
set @ 295 w/200SX

Top of cement @ 4898' by cement Bond log

2 7/8" 6.5# tubing EOT @ 5676



Baker mdl "AK-1" snap set packer @ 5495'

"F2" Perf 5506'-14' w/2 JHPF

Baker pressure seal packer @ 5535'

"F4" Perf 5558'-80' w/2 JHPF

Baker pressure seal packer @ 5602'

"F5" Perf 5614'-24' w/2 JHPF

Baker mdl "A-1" lokset packer @ 5638'

"G1" Perf 5654' w/2 4-way radial jets

5 1/2" OD 14# casing  
set @ 5735 w/225SX

TD @ 5735

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## WATER ANALYSIS REPORT

OPERATOR Gulf Oil Expl. & Prod. DATE 9-23-81 LAB NO. 38679-4  
 WELL NO. \_\_\_\_\_ LOCATION \_\_\_\_\_  
 FIELD Wonsits Valley FORMATION \_\_\_\_\_  
 COUNTY Uintah INTERVAL \_\_\_\_\_  
 STATE Utah SAMPLE FROM Water injection system-in suction line between charging & injection pumps

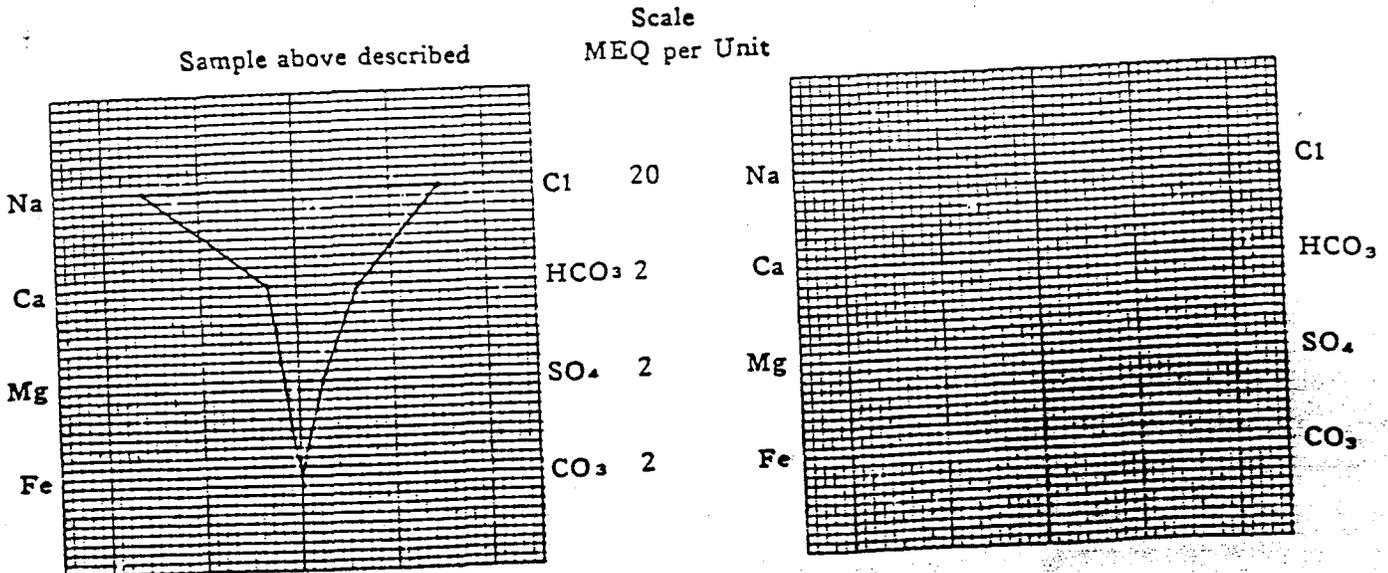
REMARKS & CONCLUSIONS:  
Scaling tendencies of this water appear to be low.

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	7206	313.45	Sulfate	254	5.38
Potassium	29	0.74	Chloride	10800	304.56
Lithium	-	-	Carbonate	0	0.00
Calcium	122	6.09	Bicarbonate	817	13.40
Magnesium	36	2.96	Hydroxide	-	-
Iron	-	-	Hydrogen sulfide	-	-
Total Cations		323.24	Total Anions		323.24

Total dissolved solids, mg/l	18849	Specific resistance @ 68°F.:	
NaCl equivalent, mg/l	18623	Observed	0.36 ohm-meters
Observed pH	7.9	Calculated	0.36 ohm-meters

## WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)  
 NOTE: Mg/l = Milligrams per liter Meq/l = Milligram equivalents per liter  
 (Calculation of components by Dunlop & Hawthorne calculation from components)

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## WATER ANALYSIS REPORT

OPERATOR Gulf Oil Expl. & Prod. DATE 7-17-81 LAB NO. 37986  
 WELL NO. Wonsitz Valley Unit LOCATION \_\_\_\_\_  
 FIELD Wonsitz Valley FORMATION \_\_\_\_\_  
 COUNTY Uintah INTERVAL \_\_\_\_\_  
 STATE Utah SAMPLE FROM #2 River well (Injection water)  
 (4-23-81)

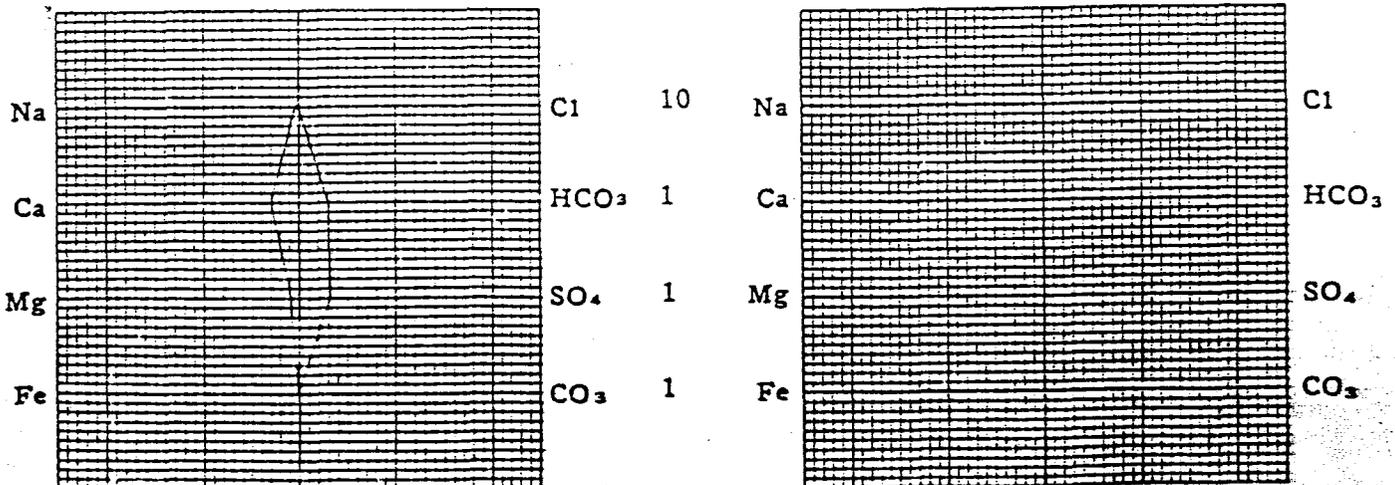
REMARKS & CONCLUSIONS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	48	2.08	Sulfate	155	3.22
Potassium	2	0.05	Chloride	18	0.51
Lithium	-	-	Carbonate	0	0.00
Calcium	56	2.79	Bicarbonate	188	3.08
Magnesium	23	1.89	Hydroxide	-	-
Iron	-	-	Hydrogen sulfide	-	-
Total Cations		6.81	Total Anions		6.81

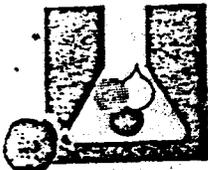
Total dissolved solids, mg/l	394	Specific resistance @ 68°F.:	
NaCl equivalent, mg/l	329	Observed	16.0 ohm-meters
Observed pH	7.9	Calculated	17.8 ohm-meters

### WATER ANALYSIS PATTERN

Scale  
Sample above described MEQ per Unit



(Na value in above graphs includes Na, K, and Li)  
 NOTE: Mg/l=Milligrams per liter Meq/l= Milligram equivalents per liter  
 Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components



# LITE RESEARCH LABORATORIES

P.O. Box 119

Fort Duchesne, Utah 84026

**RECEIVED** 3

GULF OIL CORPORATION  
 (801) 722-2254  
 CASPER AREA

153  
 Leak

LABORATORY NUMBER W-6466 P.O. 1-56998  
 SAMPLE TAKEN 5-1-79  
 SAMPLE RECEIVED 5-2-79  
 RESULTS REPORTED 5-7-79

SAMPLE DESCRIPTION \_\_\_\_\_ FIELD NO. \_\_\_\_\_  
 COMPANY Gulf Oil Corp. LEASE Wonsit Valley WELL NO. \_\_\_\_\_  
 FIELD \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_  
 SAMPLE TAKEN FROM Combined Water Sample  
 PRODUCING FORMATION \_\_\_\_\_ TOP \_\_\_\_\_  
 REMARKS Unit Injection Station

SAMPLE TAKEN BY \_\_\_\_\_

### CHEMICAL AND PHYSICAL PROPERTIES

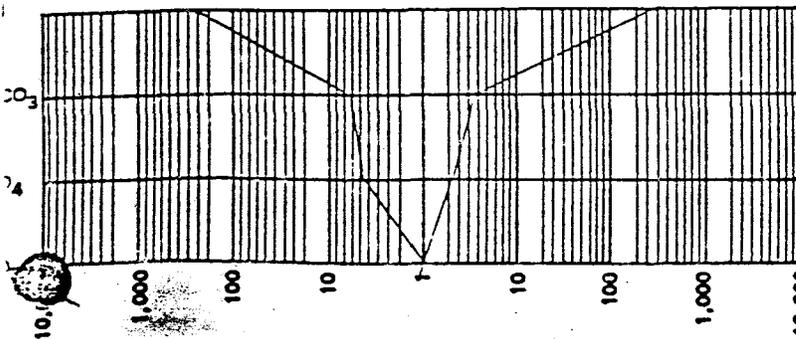
SPECIFIC GRAVITY @60/60° F. 1.0135 pH 8.23 RES. 0.45 OHM METERS @ 77° F

TOTAL HARDNESS 361.77 mg/L as CaCO<sub>3</sub> TOTAL ALKALINITY 740.00 mg/L as CaCO<sub>3</sub>

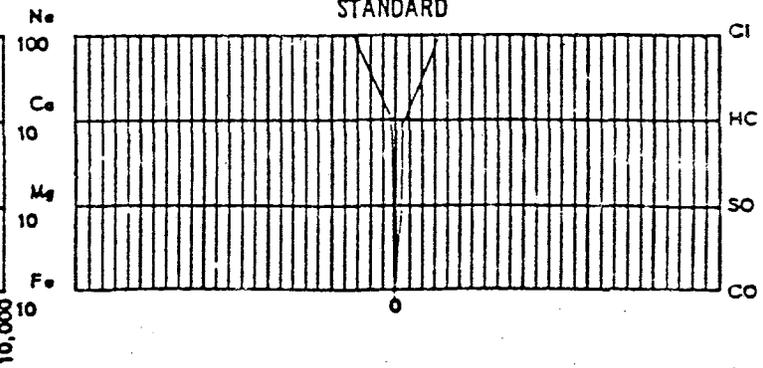
CONSTITUENT	MILLIGRAMS PER LITER mg/L	MILLEQUIVALENTS PER LITER MEQ/L		REMARKS
CALCIUM - Ca ++	92.0	4.59		
MAGNESIUM - Mg ++	32.0	2.63		
SODIUM - Na +	8000.0	347.83		
BARIUM (INCL. STRONTIUM) - Ba ++	12.0	0.17		
TOTAL IRON - Fe ++ AND Fe +++	0.2	0.01	355.2	
BICARBONATE - HCO <sub>3</sub> <sup>-</sup>	451.5	7.40		
CARBONATE - CO <sub>3</sub> <sup>-</sup>	0	0		
SULFATE - SO <sub>4</sub> <sup>-</sup>	275.0	5.73		
CHLORIDE - CL <sup>-</sup>	12245.2	344.94	358.1	
TOTAL DISSOLVED SOLIDS	21640.0			

MILLEQUIVALENTS PER LITER

LOGARITHMIC

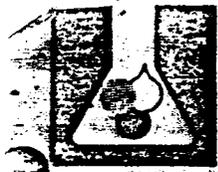


STANDARD



ANALYST \_\_\_\_\_

CHECKED \_\_\_\_\_



# LITE RESEARCH LABORATORIES

P.O. Box 119

Fort Duchesne, Utah 84026

(801) 722-2254

4

LABORATORY NUMBER W-3156  
 SAMPLE TAKEN 5/18/76  
 SAMPLE RECEIVED 5/18/76  
 RESULTS REPORTED \_\_\_\_\_

SAMPLE DESCRIPTION \_\_\_\_\_ FIELD NO. \_\_\_\_\_  
 COMPANY Gulf Oil Company LEASE \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 FIELD Wonsits Fed U. COUNTY Mintah STATE Utah  
 SAMPLE TAKEN FROM Wonsits Federal Unit  
 PRODUCING FORMATION \_\_\_\_\_ TOP \_\_\_\_\_  
 REMARKS Tank Batt. #2 - Treater sample  
 SAMPLE TAKEN BY \_\_\_\_\_

### CHEMICAL AND PHYSICAL PROPERTIES

SPECIFIC GRAVITY @60/60° F. 1.0201 pH 8.35 RES. .18 OHM METERS @ 77° F

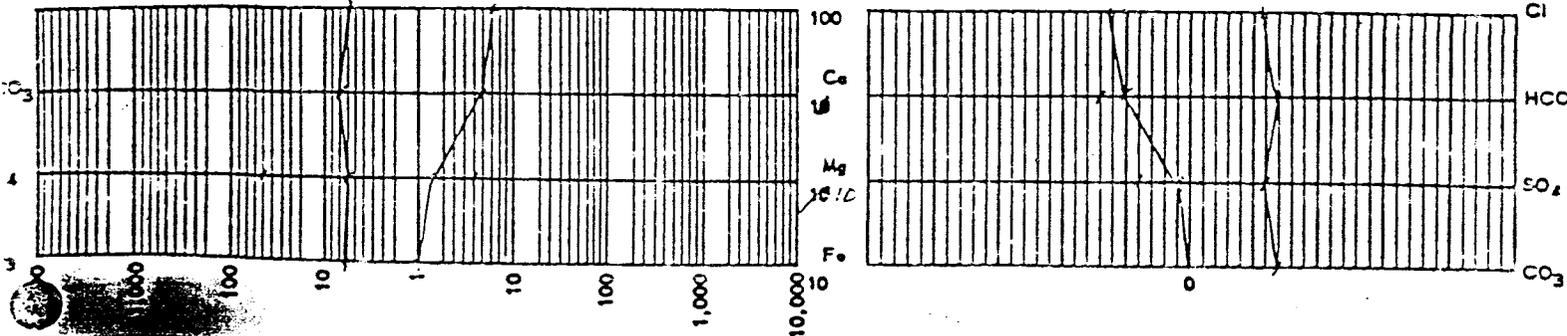
TOTAL HARDNESS 478.5 mg/L as CaCO<sub>3</sub> TOTAL ALKALINITY 1030.0 mg/L as CaCO<sub>3</sub>

CONSTITUENT	MILLIGRAMS PER LITER mg/L.	MILLEQUIVALENTS PER LITER MEQ/L		REMARKS
CALCIUM - Ca <sup>++</sup>	111.0	5.55		
MAGNESIUM - Mg <sup>++</sup>	48.8	4.0		
SODIUM - Na <sup>+</sup>	14500.0	630.43		
BARIUM (INCL. STRONTIUM) - Ba <sup>++</sup>	0	0		
TOTAL IRON - Fe <sup>++</sup> AND Fe <sup>+++</sup>	0.22	0.01	640.0	
BICARBONATE - HCO <sub>3</sub> <sup>-</sup>	484.0	7.94		
CARBONATE - CO <sub>3</sub> <sup>==</sup>	236.0	7.87		
SULFATE - SO <sub>4</sub> <sup>==</sup>	2980.0	62.08		
CHLORIDE - CL <sup>-</sup>	19992.	563.15	641.04	
TOTAL DISSOLVED SOLIDS	38,120.			

MILLEQUIVALENTS PER LITER

LOGARITHMIC

STANDARD



ANALYST \_\_\_\_\_

CHECKED \_\_\_\_\_



# LITE RESEARCH LABORATORIES

P.O. Box 119

Fort Duchesne, Utah 84026

(801) 722-2254

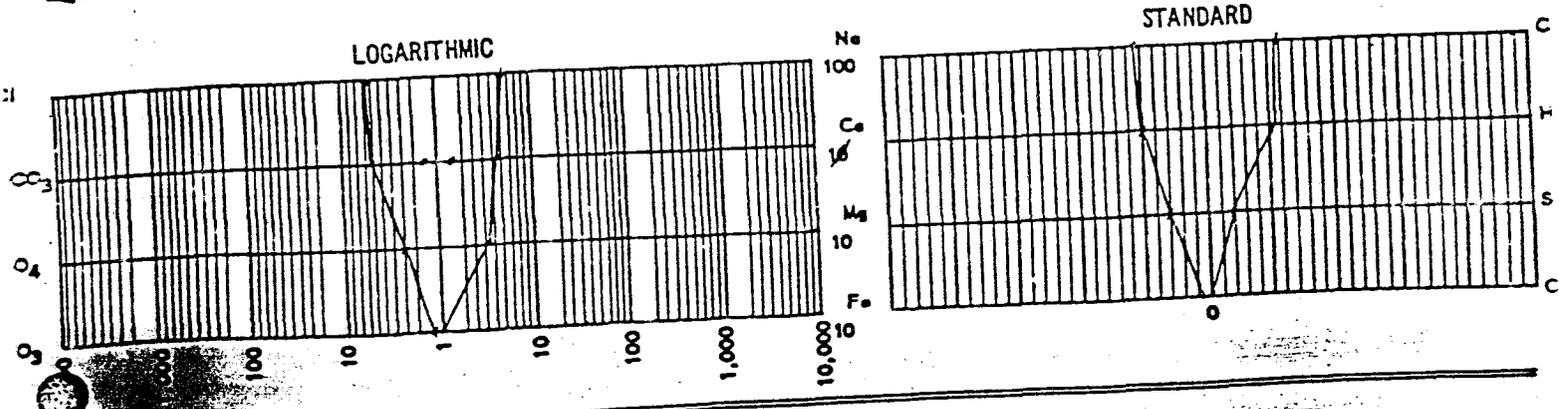
LABORATORY NUMBER W-3154  
 SAMPLE TAKEN 5/18/76  
 SAMPLE RECEIVED 5/18/76  
 RESULTS REPORTED \_\_\_\_\_

SAMPLE DESCRIPTION \_\_\_\_\_ FIELD NO. \_\_\_\_\_  
 COMPANY Gulf Oil Company LEASE \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 FIELD W.V. Fed Unit COUNTY Uintah STATE Utah  
 SAMPLE TAKEN FROM Wonsits Valley Fed.  
 PRODUCING FORMATION \_\_\_\_\_ TOP \_\_\_\_\_  
 REMARKS Tank Batt. #4 - FIKO Sample  
 SAMPLE TAKEN BY \_\_\_\_\_

CHEMICAL AND PHYSICAL PROPERTIES  
 SPECIFIC GRAVITY @60/60° F. 1.0206 pH 8.34 RES. .23 OHM METERS @ 77° F  
 TOTAL HARDNESS 415.62 mg/L as CaCO<sub>3</sub> TOTAL ALKALINITY 570.0 mg/L as CaCO<sub>3</sub>

CONSTITUENT	MILLIGRAMS PER LITER mg/L	MILLEQUIVALENTS PER LITER MEQ/L	REMARKS
CALCIUM - Ca <sup>++</sup>	101.0	5.05	
MAGNESIUM - Mg <sup>++</sup>	39.8	3.26	
SODIUM - Na <sup>+</sup>	13000.0	565.22	
BARIUM (INCL. STRONTIUM) - Ba <sup>++</sup>	0	0	
TOTAL IRON - Fe <sup>++</sup> AND Fe <sup>+++</sup>	0.12	0	573.53
BICARBONATE - HCO <sub>3</sub> <sup>-</sup>	342.7	5.62	
CARBONATE - CO <sub>3</sub> <sup>--</sup>	8.0	0.27	
SULFATE - SO <sub>4</sub> <sup>--</sup>	91.0	1.90	
CHLORIDE - CL <sup>-</sup>	19430.0	547.32	555.11
TOTAL DISSOLVED SOLIDS	29,560.		

MILLEQUIVALENTS PER LITER



ANALYST \_\_\_\_\_  
 CHECKED \_\_\_\_\_

# WATER RESEARCH LABORATORIES

LABORATORY NUMBER W-3157  
 SAMPLE TAKEN 5/18/76  
 SAMPLE RECEIVED 5/18/76  
 RESULTS REPORTED \_\_\_\_\_

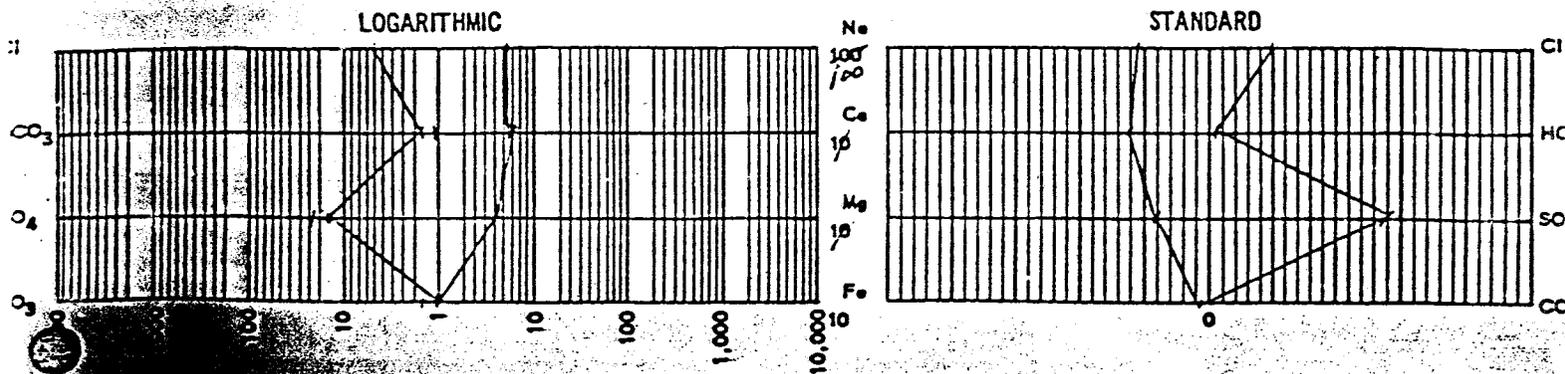
SAMPLE DESCRIPTION \_\_\_\_\_ FIELD NO. \_\_\_\_\_  
 COMPANY Gulf Oil Company LEASE \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 FIELD W.V. Fed Unit COUNTY Uintah STATE Utah  
 SAMPLE TAKEN FROM Wonsits Valley Fed.  
 PRODUCING FORMATION \_\_\_\_\_ TOP \_\_\_\_\_  
 REMARKS Treater Sample  
Tank Batt. #5 SAMPLE TAKEN BY \_\_\_\_\_

### CHEMICAL AND PHYSICAL PROPERTIES

SPECIFIC GRAVITY @60/60° F. 1.0284 pH 8.88 RES. .22 OHM METERS @ 77°F  
 TOTAL HARDNESS 511.6 mg/L as CaCO<sub>3</sub> TOTAL ALKALINITY 528.0 mg/L as CaCO<sub>3</sub>

CONSTITUENT	MILLIGRAMS PER LITER mg/L	MILLEQUIVALENTS PER LITER MEQ/L		REMARKS
CALCIUM - Ca <sup>++</sup>	126.0	6.30		
MAGNESIUM - Mg <sup>++</sup>	47.8	3.92		
SODIUM - Na <sup>+</sup>	11800.0	513.04		
BARIUM (INCL. STRONTIUM) - Ba <sup>++</sup>	0	0		
TOTAL IRON - Fe <sup>++</sup> AND Fe <sup>+++</sup>	0.15	0.01	523.27	
BICARBONATE - HCO <sub>3</sub> <sup>-</sup>	307.50	5.04		
CARBONATE - CO <sub>3</sub> <sup>-</sup>	24	0.8		
SULFATE - SO <sub>4</sub> <sup>-</sup>	698.0	14.54		
CHLORIDE - CL <sup>-</sup>	17852.6	502.89	523.27	
TOTAL DISSOLVED SOLIDS	29,280.			

← MILLEQUIVALENTS PER LITER →



ANALYST \_\_\_\_\_

CHECKED \_\_\_\_\_

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APR 25 1985

SUNDRY NOTICES AND REPORTS ON WELLS

DIVISION (Do not use this form for proposals to drill or to deepen or plug back to a different  
GAS & MINING (Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
GULF OIL CORPORATION ATTN R.W.HUWALD

3. ADDRESS OF OPERATOR  
P O BOX 2619, CASPER, WY 82602 2619

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Blanket Sundry <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE  
U-0806

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Wonsit Valley

8. FARM OR LEASE NAME  
Wonsits Valley Unit St/Fed

9. WELL NO.  
#57 W

10. FIELD OR WILDCAT NAME  
Wonsits Valley

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

12. COUNTY OR PARISH; 13. STATE  
Uintah Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

Per conversation between K. S. Aslesen & J. Sparger, on March 27, 1985, Temporary lined work pits will be used for all future casing repair work.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct  
SIGNED J.R. BOCEK TITLE AREA ENGINEER DATE APR 19 1985  
J.R. BOCEK (This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

# Gulf Oil Exploration and Production Company

L. G. Rader  
PRODUCTION MANAGER - CASPER AREA

July 2, 1985

P. O. Box 2619  
Casper, WY 82602

State of Utah  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RECEIVED

JUL 05 1985

Gentlemen:

DIVISION OF  
GAS & MINING

Effective July 1, 1985, the corporate name of Gulf Oil Corporation was changed to Chevron U.S.A. Inc. This will be applicable to all operations, agreements, contracts, documents, and permits of Gulf Oil Corporation in the area of and/or under your jurisdiction.

The attached information is being furnished to facilitate the name change of appropriate records under your authority, and submitted as our understanding of the procedure required to accomplish the change.

Please advise this office or the office listed on the attachments should additional information be needed.

Sincerely,



L. G. Rader

KWR/mdb

Attachments



A DIVISION OF GULF OIL CORPORATION

TELEPHONE: (307) 235-1311

<u>Lease Name</u>	<u>Field</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>State</u>
Wonsits Valley Unit #54	Wonsits WV	7	8S	22E	Uintah	UT
Wonsits Valley Unit #55	Wonsits WV	14	8S	21E	Uintah	UT
Wonsits Valley Unit #56	Wonsits WV	1	8S	21E	Uintah	UT
Wonsits Valley Unit #57	Wonsits WV	2	8S	21E	Uintah	UT
Wonsits Valley Unit #58	Wonsits WV	13	8S	21E	Uintah	UT
Wonsits Valley Unit #59	Wonsits WV	14	8S	21E	Uintah	UT
Wonsits Valley Unit #6	Wonsits WV	7	8S	22E	Uintah	UT
Wonsits Valley Unit #60	Wonsits WV	15	8S	21E	Uintah	UT
Wonsits Valley Unit #61	Wonsits WV	18	8S	21E	Uintah	UT
Wonsits Valley Unit #62	Wonsits WV	10	8S	21E	Uintah	UT
Wonsits Valley Unit #63	Wonsits WV	10	8S	21E	Uintah	UT
Wonsits Valley Unit #65	Wonsits WV	15	8S	21E	Uintah	UT
Wonsits Valley Unit #66	Wonsits WV	14	8S	21E	Uintah	UT
Wonsits Valley Unit #67	Wonsits WV	15	8S	21E	Uintah	UT
Wonsits Valley Unit #68	Wonsits WV	15	8S	21E	Uintah	UT
Wonsits Valley Unit #69	Wonsits WV	18	8S	22E	Uintah	UT
Wonsits Valley Unit #70	Wonsits WV	13	8S	21E	Uintah	UT
Wonsits Valley Unit #71	Wonsits WV	15	8S	21E	Uintah	UT
Wonsits Valley Unit #72	Wonsits WV	16	8S	21E	Uintah	UT
Wonsits Valley Unit #73	Wonsits WV	16	8S	21E	Uintah	UT
Wonsits Valley Unit #74	Wonsits WV	16	8S	21E	Uintah	UT
Wonsits Valley Unit #75	Wonsits WV	16	8S	21E	Uintah	UT
Wonsits Valley Unit #78	Wonsits WV	16	8S	21E	Uintah	UT
Wonsits Valley Unit #8	Wonsits WV	12	8S	21E	Uintah	UT
Wonsits Valley Unit #80	Wonsits WV	23	8S	21E	Uintah	UT
Wonsits Valley Unit #81	Wonsits WV	24	8S	21E	Uintah	UT
Wonsits Valley Unit #82	Wonsits WV	24	8S	21E	Uintah	UT
Wonsits Valley Unit #83	Wonsits WV	23	8S	21E	Uintah	UT
Wonsits Valley Unit #84-2	Wonsits WV	23	8S	21E	Uintah	UT
Wonsits Valley Unit #85	Wonsits WV	12	8S	21E	Uintah	UT
Wonsits Valley Unit #86	Wonsits WV	12	8S	21E	Uintah	UT
Wonsits Valley Unit #87	Wonsits WV	12	8S	21E	Uintah	UT
Wonsits Valley Unit #88-2	Wonsits WV	12	8S	21E	Uintah	UT
Wonsits Valley Unit #89	Wonsits WV	7	8S	22E	Uintah	UT
Wonsits Valley Unit #9	Wonsits WV	12	8S	21E	Uintah	UT
Wonsits Valley Unit #92	Wonsits WV	12	8S	21E	Uintah	UT
Wonsits Valley Unit #93	Wonsits WV	11	8S	21E	Uintah	UT
Wonsits Valley Unit #94	Wonsits WV	11	8S	21E	Uintah	UT

06/27/85

leases gulf operated/file2

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

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  Water Injection

2. NAME OF OPERATOR  
Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR  
P. O. Box 599, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
702' FSL 1,980' FEL (SW, SE)

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4,990' KB

5. LEASE DESIGNATION AND SERIAL NO.  
Utah State ML 2785

6. IS INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Wonsits Valley Federal

8. FARM OR LEASE NAME  
WVFU

9. WELL NO.  
57

10. FIELD AND POOL, OR WILDCAT  
Wonsits Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
S. 2, T8S, R21E

12. COUNTY OR PARISH 13. STATE  
Uintah Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(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.)\*

It is proposed to plug and abandon WVFU #57 as follows:

- MIRU. N/D tree. N/U and test BOPE.
  - Release packers at 5,490', 5,530', 5,600' and 5,640' and pull injection string.
  - Clean out to PBD at 5,698'.
  - Set CICR at ±5,400'. Cement squeeze perfs at 5,506' to 5,664' (gross interval) with ±100 sx cement. Leave 60' cement on top of CICR.
  - Displace casing with 9.0 ppg mud.
  - Pressure test casing, isolate leaks, if any and cement squeeze.
  - Perforate 3,000'-3,002' with 2 SPF. Set CICR at ±2,900'. Cement squeeze perfs at 3,000'-3,002' with 100 sx cement. Leave 60' cement on top of CICR.
  - Spot surface cement plug from 300' to surface.
  - Pressure test 8-5/8" x 5 1/2" annulus to ±200 psi. If injection is established, cement with ±50 sx cement. If no injection, perform 1" job at 100' and circ. cement to surface.
  - N/D BOPE. Cut off wellhead. Install regulation dry-hole marker.
  - R/D and release rig. Rehabilitate surface location per BLM and BIA stipulations.
- 3-BLM  
3-State  
1-BIA  
1-EEM  
1-MKD  
3-Drlg.  
1-File

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

SIGNED [Signature] TITLE Office Assistant DATE September 2, 1987

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 9-17-87  
BY: Original Signed by John R. Baza

\*See Instructions on Reverse S

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

15

5. LEASE DESIGNATION AND SERIAL NO.

Utah State ML-2785

6. 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  **Water Injection** APR 27 1988 UNIT AGREEMENT NAME **Wonsits Valley Federal**

2. NAME OF OPERATOR **Chevron U.S.A. Inc. Room 11111 DIVISION OF OIL, GAS & MINING** 8. FARM OR LEASE NAME **WVFU**

3. ADDRESS OF OPERATOR **P.O. Box 599, Denver, CO 80201** 9. WELL NO. **57**

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 **Wonsits Valley**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA **Sec. 2, T8S, R21E**

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.) **4,990' K.B.** 12. COUNTY OR PARISH **Uintah** 13. STATE **Utah**

18. 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) _____	

(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.)\* The following work was completed on 4/20/88.

WVFU 57 4/21/88

1. Moved in Western Well Service Rig #18 on 4/15/88.
2. Attempt to release packers, no success.
3. Cut off tubing @ 5450'.
4. Set CICR @ 5389', could not establish injection rate into perfs f/5506'-5664'.
5. Pump a 200' balanced cement plug w/25 sxs class H neat cement on top of CICR and circulated hole with 9.2#/gal mud. Balanced plug procedure verbally approved by Mr. Gill Hunt with the State of Utah Division of Oil & Gas. Procedure witnessed by Ms. Carol Kubly with the State of Utah Division of Oil & Gas.
6. Perferate 5 1/2" casing f/3000'-3002'.
7. Set CICR @ 2918'.
8. Cement squeeze perfs f/3000'-3002' w/100 sxs class H neat cement, left 60' of cement on top of CICR.
9. Pump 50 sxs class H neat cement f/313' to surface.
10. Pump down 8 5/8" x 5 1/2" annulus w/100 sxs class H neat cement.
11. Cutoff WH, install regulation dry hole marker, release rig, well plugged and abandoned on 4/20/88.

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

SIGNED J. D. Wilson TITLE Technical Assistant DATE 4-22-88

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

66