

FILE NOTATIONS

Entered in MED File ✓
Location Map Pinned ✓
Card Indexed ✓

Checked by Chief
Approval Letter
Disapproval Letter

PWB
3-26-74 *In Use*

COMPLETION DATA:

Date Well Completed *5-19-74*
OW..... WW..... ✓ TA.....
GW..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log..... ✓
Electric Log (M) ✓
E..... Land E Log..... GR-N..... Micro.....
BNC Sonic CR..... Lat..... M-E..... Sonic.....
CBLog..... CCLog..... Others.....

**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 Injection SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Tenneco Oil Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 2400' FNL and 1970' FEL
 At proposed prod. zone 56 (SW/4 of NE/4)

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)

16. NO. OF ACRES IN LEASE

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.

19. PROPOSED DEPTH
 6900'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7725' GR

22. APPROX. DATE WORK WILL START*
 Upon approval

5. LEASE DESIGNATION AND SERIAL NO.
 32117

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.
 34

10. FIELD AND POOL, OR WILDCAT
 Upper Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 13, T36S, R1E

12. COUNTY OR PARISH
 Garfield

13. STATE
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	8 - 5/8"	24#	3000' ✓	Suff. to fill 500' above Dakota
7 - 7/8"	5 - 1/2"	15#	6900'	Suff. to fill 500' above Kaibab

Set and cement to surface 30' of 24" culvert pipe for conductor, well to be drilled to approximate T. D. of 6900', log, run 5 1/2" casing to T. D., casing will be perforated and formation treated as necessary to establish proper injection. If coal is encountered 0' - 500', it will be cemented with 1" pipe as per U.S.G.S. instructions. A 15" hole will be drilled to 3000' and if warranted by lost circulation, hole will be reamed to 18" and set 16" casing as required. A 2-1/16" parasite string to be run on outside of surface pipe to aerate returns. B.O.P. to be tested each 24 hrs.

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION
DATE **MAR 26 1974**
BY *C.B. Ferguson*

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 *Saul F. Rogers* TITLE Sr. Production Clerk DATE 3-21-74

(This space for Federal or State office use)
 PERMIT NO. 43-017-30065 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

COMPANY **TENNECO OIL COMPANY**

Well Name & No. **UPPER VALLEY # 34**

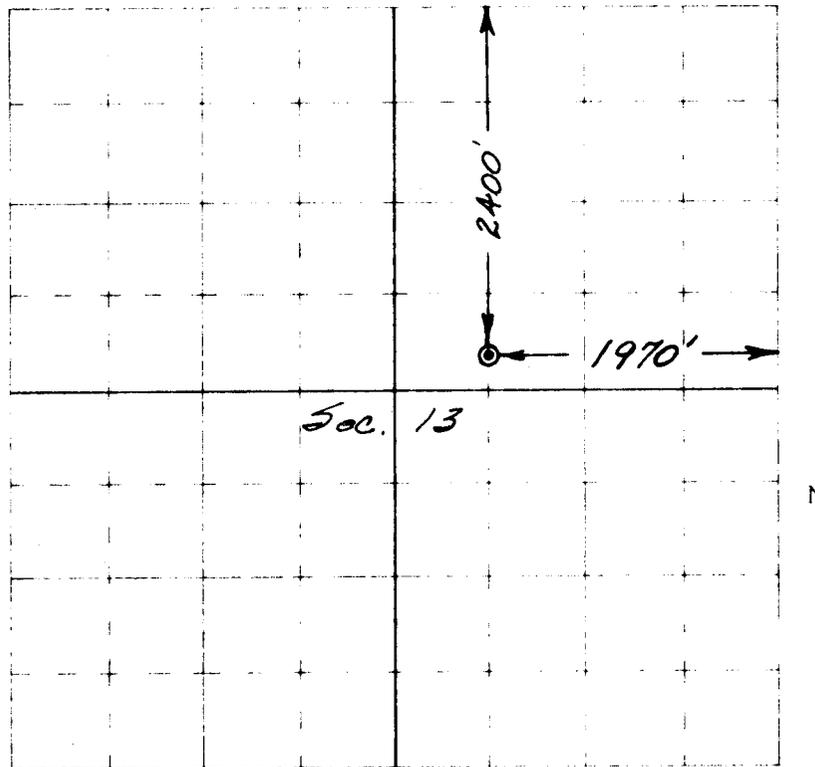
Lease No. **32117**

Location **2400 FEET FROM THE NORTH LINE & 1970 FEET FROM THE EAST LINE**

Being in **SW NE**

Sec. **13**, T **36S**, R **1 E**, S.L.M., Garfield County, Utah

Ground Elevation **7725' ungraded**

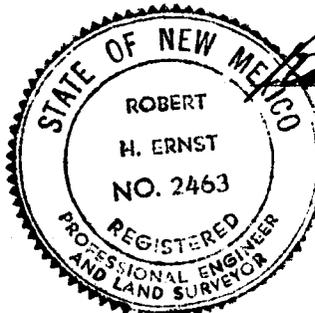


Scale -- 4 inches equals 1 mile

Surveyed **13 March**, 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.

Seal:



Registered Professional Engineer and Land Surveyor.

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

ERNST ENGINEERING CO.
Durango, Colorado

UPPER VALLEY WELL NO. 34

1. Surface casing: 8 5/8", 24# per ft., approximately 3000', grade K-55, new condition.
2. Casinghead will be 12", 900 series, 3000 psi rating.
3. Intermediate casing - none required.
4. Blowout preventers: Hydraulic, double ram, 10". One set of rams will be provided for each size casing or drill pipe in the hole. One set of blind rams at all times. In addition, a Shaffer rotating head will be used. Fill line will be 2", kill line will be 2", choke relief line will be 2" with variable choke.
5. Auxiliary equipment:
 - (1) Kelly cock will be in use at all times.
 - (2) Float at the bit will be used as needed.
 - (3) Mud monitoring will be visual, no abnormal pressures are present in this area.
 - (4) Stabbing valve to fit drill pipe will be present on floor at all times.
6. Anticipated bottom-hole pressure:

This is in an area of subnormal pressure, maximum anticipated pressure at 6,900' is 2,500 psi.
7. Drilling fluids:

0' - 3000' water with gel added as needed to clean hole. 3000' - T.D. aerated water base mud.

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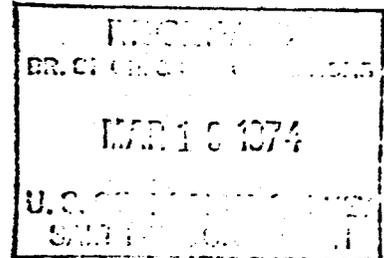
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Operating Plan

Tenneco Oil Company, Upper Valley Field

Garfield County, Utah



Well Number 34

Escalante Ranger District, Dixie National Forest, Region Four

Paul A. Smith *W.E. Brown* Date 3/20/74
 Tenneco Oil Company

Sam J. O'neal Date 3/18/74
 District Ranger - U.S.F.S.

 District Engineer - U.S.G.S. Date _____

I. Introduction

Oil production at the north end of the Tenneco Upper Valley Field has begun to drop off. Tenneco Oil Company plans to install a water injection well which will stabilize production in this area of the field. The proposed water injection well is located 2400 feet from the north line and 1970 feet from the east line of section 13, T.36S. R1E, S1M. After drilling, a water line will be installed to deliver water to the well. Water will be injected from the satellite unit at well number 2.

Approximately $\frac{1}{2}$ mile of access road will need to be constructed to the proposed drill site. Access will be from the main road to well number 3. The proposed road basically follows the natural contour of the land and has already been located on the ground.

The purpose of this plan is to provide the requirements necessary to minimize impact on other resources during this development period. 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 water injection well.

II. Requirements for Protection and Restoration of Surface Resources

- A. An inslope SL-14 road will be constructed to the drill site. Adequate drainage to prevent erosion will be installed in the road. Approximately six culverts 18" CMP will be needed in the $\frac{1}{2}$ mile segment of road. Except where rock material will allow for steeper slopes, all cut and fill slopes will be constructed $1\frac{1}{2}$ to 1 or flatter.
- B. All construction slash and debris will be disposed of by chipping or other satisfactory disposal methods. Chips can be spread over disturbed areas for mulching. Material too large for the chipper will be disposed of by scattering, or buried on 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 $1\frac{1}{2}$ to 1.
- D. Sump pits should be covered as soon after abandoning the drill site as possible. Pumping the pit and utilizing the liquid on the main access road should be considered. 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. The road and pipeline serving the injection well will occupy the same right-of-way.
- H. Revegetation of all disturbed areas will be necessary. Following is the revegetation prescription that will apply to this development program:

- 1. Drill the following seed mixture at a depth of 1 inch on accessible areas and broadcast remaining disturbed areas:

<u>Species</u>	<u>lbs. per acre</u>
Crested wheatgrass	5
Smooth brome	3
Sodar wheatgrass	3
Intermediate wheatgrass	3
Lodak Alfalfa	1
	<hr/>
	15 lbs. per acre

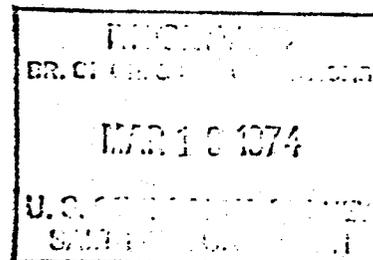
- 2. Fertilize all areas with 200 pounds of a 16-20-0 mix at the time of seeding. This should be drilled where possible. Our objective is to apply 30 lbs. of nitrogen and 40 lbs. of phosphorus per acre.
- 3. To improve moisture and temperature conditions on the drill site, spread a thin layer of sawdust or chip mulch after seeding.
- 4. Cover all oil spills with clean soil prior to seeding.

Operating Plan

Tenneco Oil Company, Upper Valley Field

Garfield County, Utah

Well Number 34



Escalante Ranger District, Dixie National Forest, Region Four

W. A. [Signature] *W. E. [Signature]* Date 3/20/74
 Tenneco Oil Company

Sam J. O'neal Date 3/18/74
 District Ranger - U.S.F.S.

 District Engineer - U.S.G.S. Date _____

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	<hr/>
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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.

U - 013734

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

34

10. FIELD AND POOL, OR WILDCAT

Upper Valley

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

Sec. 13, T36S, R1E

12. COUNTY OR PARISH

Garfield

13. STATE

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 Water Injection Well

2. NAME OF OPERATOR
Tenneco Oil Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
2400' FNL and 1970' FEL
(SW/4 of NE/4)

14. PERMIT NO.
43-017-30065

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7725' 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.)*

Spudded @ 11:00 PM 4/19/74. Drilled 15" hole to 45' & opened w/26" hole opener. Set 2 jts. 21" culvert and cemented with 325 sacks Class G + 2% CaCl₂ around outside w/1" tbg. Drilled 15" hole through cement to TD of 2993' and ran 74 jts. 8-5/8" 2 1/4" K-55 ST&C 8rd casing to 2993' and cemented with 850 sacks Class G + 2% CaCl₂. Completed 12:30 AM 5/1/74. Ran 3 jts. 2-1/16" tbg to 80' and cemented around top of casing with 100 sacks Class G. Preparing to drill 7-7/8" hole to TD.

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

SIGNED

Saul J. Rogers

TITLE

Sr. Production Clerk

DATE

5/3/74

(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 TRIPlicate
(Other Instructions on reverse side)

Form approved.
Budget Bureau No. 42-R-424.

5. LEASE DESIGNATION AND SERIAL NO.
U - 013734

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.
34

10. FIELD AND POOL, OR WILDCAT
Upper Valley

11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 13, T36S, R1E

12. COUNTY OR PARISH
Garfield

13. STATE
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 **Water Injection Well**

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
Suite 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
2400' FNL and 1970' FEL
(SW/4 of NE/4)

14. PERMIT NO.
43-017-30065

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7725' 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) <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 and 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.)*

Drilled 7-7/8" hole to TD of 6920'. Circulated hole clean. Ran 171 jts. 5-1/2" 15.5# K-55 ST&C 8rd EUE casing to 6920' and cemented with 200 sacks Class G containing 7#/sk salt and 12-1/2#/sk Philtronite. PD 2:30 PM 5/20/74. Waiting on completion unit.

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

SIGNED *Paul L. Rogers* TITLE Sr. Production Clerk DATE 5/28/74

(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

SUBMIT IN TRIPI
(Other instructions
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U - 013734

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

7. UNIT AGREEMENT NAME

Upper Valley Unit

2. NAME OF OPERATOR

Tenneco Oil Company

8. FARM OR LEASE NAME

3. ADDRESS OF OPERATOR

Suite 1200, Lincoln Tower Bldg., Denver, Colorado 80203

9. WELL NO.

34

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

Upper Valley

2400' FNL and 1970' FEL
(SW/4 of NE/4)

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

Sec. 13, T36S, R1E

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)

43-017-30065

7725' 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.)

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6/13/74 - FBTD 6888'. Prep. to perf. MIRUCU. CO & circ hole clean. Ran Bond Log & CCL Log.
6/14/74 - POH w/2-7/8" work string. Perf 6866' - 6882', 2 JSPF. WIH w/2-7/8" tbg & pkr. Set pkr. at 6817'. Acidized w/2500 gal. 28% HCL.

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

SIGNED *Paul J. Rogers*

TITLE Sr. Production Clerk

DATE 6/24/74

(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 DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other Water Injection

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other Injection Well

2. NAME OF OPERATOR
Tenneco Oil Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **2400' FNL and 1970' FEL**
At top prod. interval reported below **(SW/4 of NE/4)**
At total depth

14. PERMIT NO. **43-017-30065** DATE ISSUED **3/26/74**

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

15. DATE SPUDDED **4/19/74** 16. DATE T.D. REACHED **5/19/74** 17. DATE COMPL. (Ready to prod.) **N/A**

18. ELEVATIONS (DF, REB, RT, GR, ETC.)* **7725' GR** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **6920'** 21. PLUG, BACK T.D., MD & TVD **6888'** 22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY **0-6920'** ROTARY TOOLS **→** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
NONE - Started injection 6/22/74.

25. WAS DIRECTIONAL SURVEY MADE **Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL, BHC SONIC, FDC, CNL/FDC

27. WAS WELL CORRED **No**

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	2993'	15"	850 sacks	
5-1/2"	15.5#	6920'	7-7/8"	200 sacks	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
3-1/2"	6631'	6631'

31. PERFORATION RECORD (Interval, size and number)
6866' - 6882' 2 JSPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6866' - 6882'	2500 gals. 28% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION **N/A** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **N/A** WELL STATUS (Producing or shut-in) **Injecting**

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
2 SETS EACH OF ALL LOGS LISTED ABOVE

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

SIGNED Saul L. Rogers TITLE **Sr. Production Clerk** DATE **7/3/74**

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Navajo	3292'	5300'	Sandstone, water productive by log	Navajo	3292'	
Kaibab	6708'	Log TD 6920'	Dolomite, water productive by log	Chinle Shinarump Moenkopi Kaibab	5336' 5834' 5908' 6708'	

RECEIVED
 OIL AND GAS OPERATIONS
 U.S. GEOLOGICAL SURVEY

P-W



P.T.
JMB

TABULATION OF DEVIATION TESTS

TENNECO OIL COMPANY

<u>DEPTH</u>	<u>INCLINATION</u>
473'	3/4" °
880'	3/4" °
1360'	1 °
1835'	1 °
2240'	3/4 °
2690'	1-1/4 °
3140'	1-1/2 °
3555'	2 °
3960'	2-1/4 °
4448'	3-1/4 °
4842'	3 °
5315'	3-1/2 °
5790'	4-1/2 °
6148'	4-3/4 °
6640'	4-1/2 °

AFFIDAVIT

This is to certify that to the best of my knowledge, the above tabulation details the deviation test taken on Tenneco Oil Company's well:

Upper Valley Unit Well No. 34 (Water Injection Well)
Sec. 13, T36S, R1E
Garfield County, Utah

Signed Paul L. Rogers
Agent for Tenneco Oil Company

July 3, 1974

THE STATE OF COLORADO)
CITY AND COUNTY OF DENVER)

Before me, the undersigned authority, on this day, personally appeared,
Paul L. Rogers, 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 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 July, 1974.

My Commission Expires Feb. 11, 1978

D. C. Crawford
Notary Public



TABULATION OF DEVIATION TESTS

TENNECO OIL COMPANY

<u>DEPTH</u>	<u>INCLINATION</u>
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D. C. Crawford
Notary Public



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TENNECO OIL COMPANY

<u>DEPTH</u>	<u>INCLINATION</u>
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Sec. 13, T36S, R1E
Garfield County, Utah

Signed *Saul L. Rogers*
Agent for Tenneco Oil Company

July 3, 1974

THE STATE OF COLORADO)
CITY AND COUNTY OF DENVER)

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Paul L. Rogers, 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 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 July, 1974.

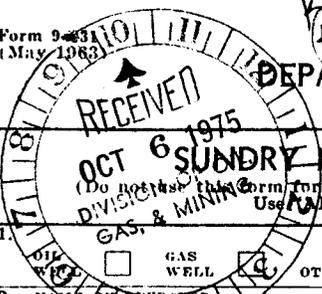
My Commission Expires Feb. 11, 1978

D. C. Campbell
Notary Public

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN TRI (Other instructions reverse side)

Form approved. Budget Bureau No. 42-R1424.



5. LEASE DESIGNATION AND SERIAL NO. U-013734

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME Upper Valley

9. WELL NO. #34

10. FIELD AND POOL, OR WILDCAT Upper Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13, T36S, R1E

12. COUNTY OR PARISH Garfield 13. STATE 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 Injection Well

2. NAME OF OPERATOR Tennessee 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.* See also space 17 below.)
At surface
2400' FNL and 1970' FEL

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7753 KB

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 checked="" 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) _____	

(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.) *

- MIRPU check com. between zones by injection. If water is going into K-4 proceed with step "A" below. If communication is indicated proceed with step "B".
- Pull 3 1/2" OD tubing and packer.
- Perforate 6775'-79', 6782-90, and 6820-30; 2 JSPF.
- A. Set tubing and pkr @ + 6848. Attempt to establish injection down annulus. If water goes, button up well head and dually inject. If not, pull tubing. Set ret. BP @ + 6848 and acidize K-2 and K-3 perf W/+ 4000 gallons of PAE with surfactants, demulsifiers and inhibitors. Flush with tubing and casing volume plus 1000 gallons of formation water. Swab back acid treatment. Retrieve B.P. and packer. Run packer and set @ 6848. Rig down and place on jection. Dually inject.
- B. Run in and set ret. B.P. @ + 6848 and acidize as follows:
Pump in 750# of diverting agent followed by 4000 gallons PAE and flush w/tubing casing volume plus 1500 gallons water. Swab back acid treatment. Retrieve BP and pkr. Run inj. pkr. and set at + 6848. Rig down and place on injection. Dually inject.
- Clean up area.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: _____
BY: _____

ok Po

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

SIGNED T. F. Vandy TITLE Production Clerk DATE Oct 2 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 TRIP
(Other instructions on re-verse 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.)		5. LEASE DESIGNATION AND SERIAL NO. U-013734
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Tenneco Oil Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 1860 Lincoln, Suite 1200, Denver, Colorado 80203		8. FARM OR LEASE NAME Upper Valley
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2400' FNL and 1970' FEL		9. WELL NO. #34
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Upper Valley
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 7753' KB		11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA Sec. 13, T36S, R1E
		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:		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"/>	

(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. MIRUPU. Water was communicating.
2. Set tbg & pkr. 6860' KB. Acidized w/1000 unibeads, 20 bbl formation water and 18 bbl 28% wtr. Then pumped 77 bbls. 28% HCL, 1000# unibeads and 20 bbls water.
3. Since water was communicating, it was decided to just inject and not try to dually inject any further.
4. Well was placed on injection.
5. Area was cleaned up.



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

SIGNED *Stuart F. Dunder* TITLE Production Clerk DATE 12/10/75

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

48

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)

FORM NO. DOGM-UIC-1

IN THE MATTER OF THE APPLICATION OF
TENNECO OIL EXPLORATION & PRODUCTION

ADDRESS P.O. Box 3249
Englewood, CO ZIP 80155

INDIVIDUAL PARTNERSHIP CORPORATION

FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE Upper Valley WELL #34
SEC. 13 TWP. 365 RANGE 1E
Garfield COUNTY, UTAH

CAUSE NO. _____

ENHANCED RECOVERY INJ. WELL
DISPOSAL WELL

APPLICATION

Comes now the applicant and shows the Division the following:

1. That Rule 1-5 (b) 6 authorizes administrative approval of enhanced recovery injections or disposal operations.
2. That the applicant submits the following information.

Lease Name <u>Upper Valley</u>	Well No. <u>34</u>	Field <u>Upper Valley</u>	County <u>Garfield</u>
Location of Enhanced Recovery Injection or Disposal Well <u>SW NE</u> Sec. <u>13</u> Twp. <u>365</u> Rge. <u>1E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted <u>existing</u> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> injector	Casing Test Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>4500</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What oil <u>oil</u>
Location of Injection Source(s) <u>Upper Valley Unit</u>		Geologic Name(s) <u>Kaibab</u> and Depth of Source(s) <u>6000-6900'</u>	
Geologic Name of Injection Zone <u>Kaibab</u>		Depth of Injection Interval <u>6775</u> to <u>6882</u>	
a. Top of the Perforated Interval: <u>6775</u>	b. Base of Fresh Water: <u>4500</u>	c. Intervening Thickness (a minus b) <u>2275</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? <u>YES</u> NO			
Lithology of Intervening Zones <u>limestone and shale</u>			
Injection Rates and Pressures Maximum <u>6000</u> B/D <u>300</u> PSI			
The Names and Addresses of Those To Whom Copies of This Application and Attachments Have Been Sent			

State of COLORADO)

County of Arapahoe)

Harry Hufft
Applicant

Before me, the undersigned authority, on this day personally appeared Harry Hufft, Production Manager 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 13th day of October, 19 83

SEAL
My Commission Expires Sept. 7, 1987
My commission expires _____

Linda Hancock
Notary Public in and for the State of Colorado

(OVER)

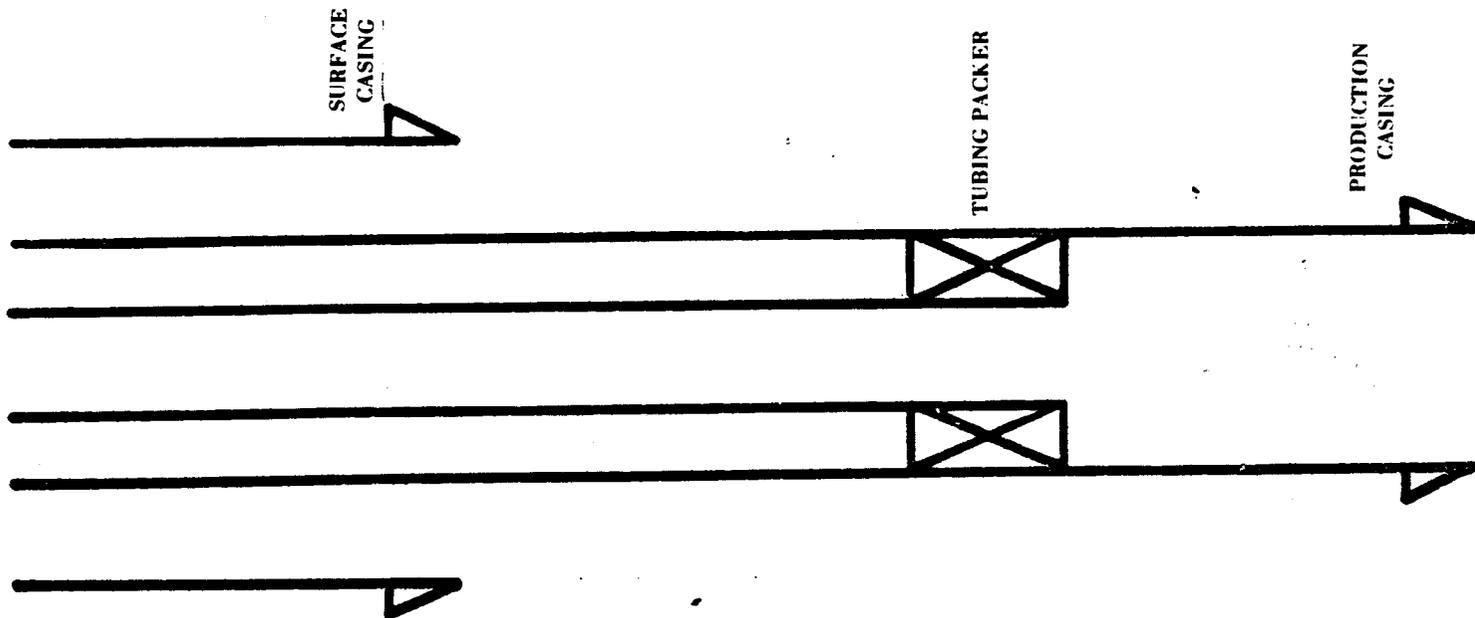
Linda Hancock
6884 S. Prescott St.
Littleton, CO 80120

1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.
2. Attach qualitative and quantitative analysis of representative sample of water to be injected.
3. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within 1/2 mile, together and with name of operator.
4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)
5. Attach Electric or Radioactivity Log of Subject well (if released).
6. 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.
7. The original and 6 copies of application, and one complete set of attachments shall be mailed to the Division.
8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasehold within 1/2 mile of injection well.
9. Affidavit of mailing or delivery shall be filed not later than five days after the application is filed.
10. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include 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 will be approved administratively.
11. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed September 1st, each year.
12. 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.
13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	8 5/8	2993	1000	surface	returns
Intermediate					
Production	5 1/2	6920	200	"5780"	"CBL"
Tubing	3 1/2	6631	Name - Type - Depth of Tubing Packer MODEL R - 6631		
Total Depth 6920	Geologic Name - Inj. Zone Kaibab	Depth - Top of Inj. Interval 6775	Depth - Base of Inj. Interval 6882		

SKETCH - SUB-SURFACE FACILITY



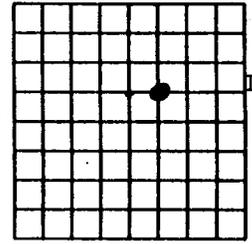
(To be filed within 30 days after drilling is completed)

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

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

COUNTY LEASE NO.

API NO
640 Acres



COUNTY Garfield SEC. 13 TWP. 365 RGE. 1E

COMPANY OPERATING TENNECO

OFFICE ADDRESS P.O. Box 3249

Lease TOWN Englewood STATE ZIP CO 80155

X WARD NAME Upper Valley WELL NO. 34

DRILLING STARTED 19 DRILLING FINISHED 19

DATE OF FIRST PRODUCTION COMPLETED

WELL LOCATED SW 1/4 NE 1/4

FT. FROM SL OF 1/4 SEC. & FT. FROM WL OF 1/4 SEC.

ELEVATION DERRICK FLOOR 7753 GROUND 7738

Locate Well Correctly and Outline Lease

TYPE COMPLETION

Single Zone single Order No.
Multiple Zone Order No.
Comingled Order No.

LOCATION EXCEPTION Order No. Penalty

OIL OR GAS ZONES

Table with 6 columns: Name, From, To, Name, From, To. Row 1: Kaibab, 6775, 6883.

CASING & CEMENT

Table with 8 columns: Casing Set (Size, Wgt, Grade, Feet), Csg. Test (Psi), Cement (Sax, Fillup, Top). Rows include 8 5/8 and 5 1/2 casing sizes.

TOTAL DEPTH 6920

PACKERS SET DEPTH 6631

Table with 4 columns. Rows include FORMATION (Kaibab), SPACING & SPACING ORDER NO., CLASSIFICATION (inj. well), PERFORATED (6775-6790, 6820-6832), INTERVALS (6866-6882), ACIDIZED? (yes), FRACTURE TREATED? (no).

INITIAL TEST DATA

Table for test data with 3 columns. Rows include Date, Oil. bbl./day, Oil Gravity, Gas. Cu. Ft./day (CF), Gas-Oil Ratio Cu. Ft./Bbl., Water-Bbl./day, Pumping or Flowing, CHOKE SIZE, FLOW TUBING PRESSURE.

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

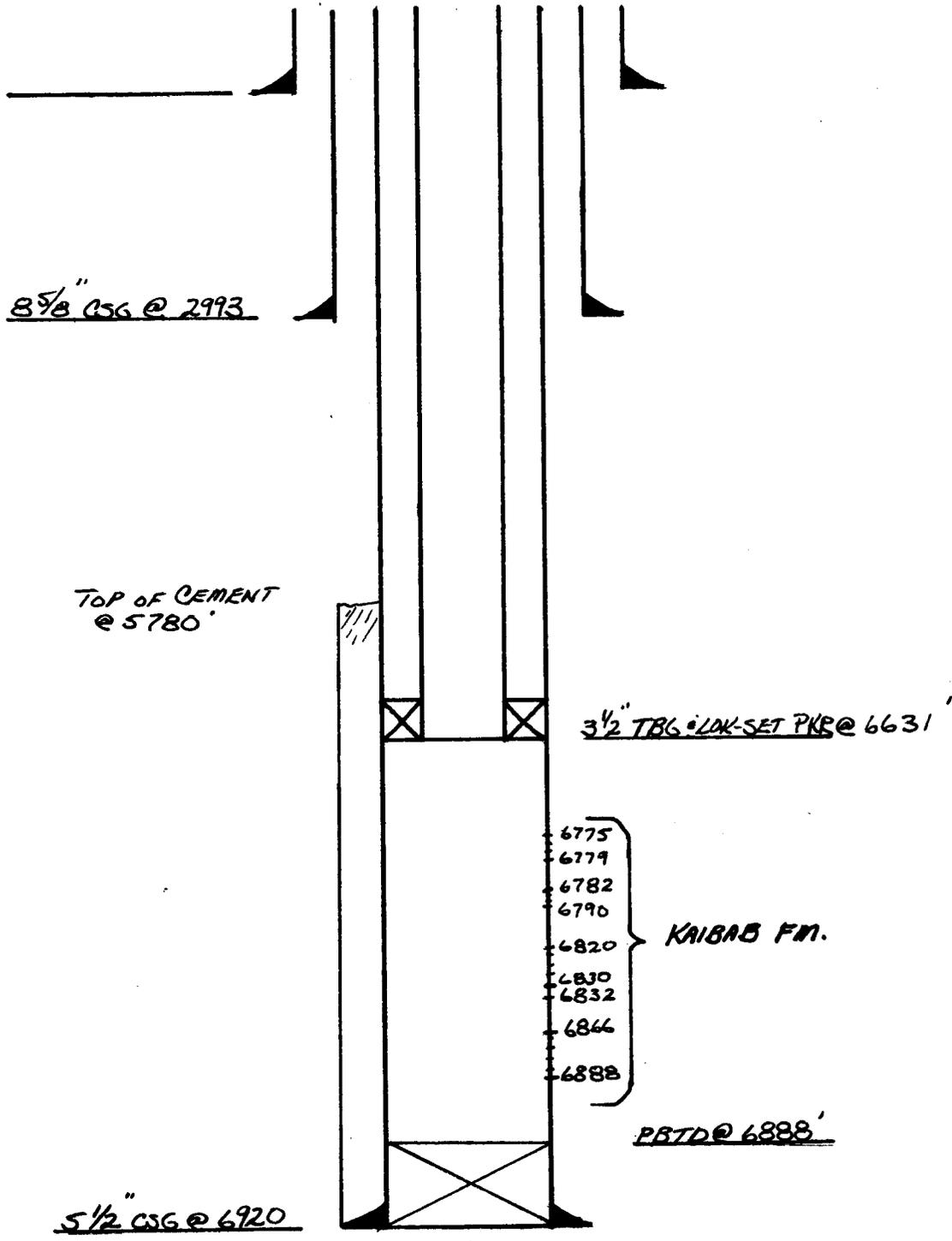
I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone (303) 740-4800 Harry Hufft, Production Manager
Name and title of representative of company

Subscribed and sworn before me this 13th day of October, 1983

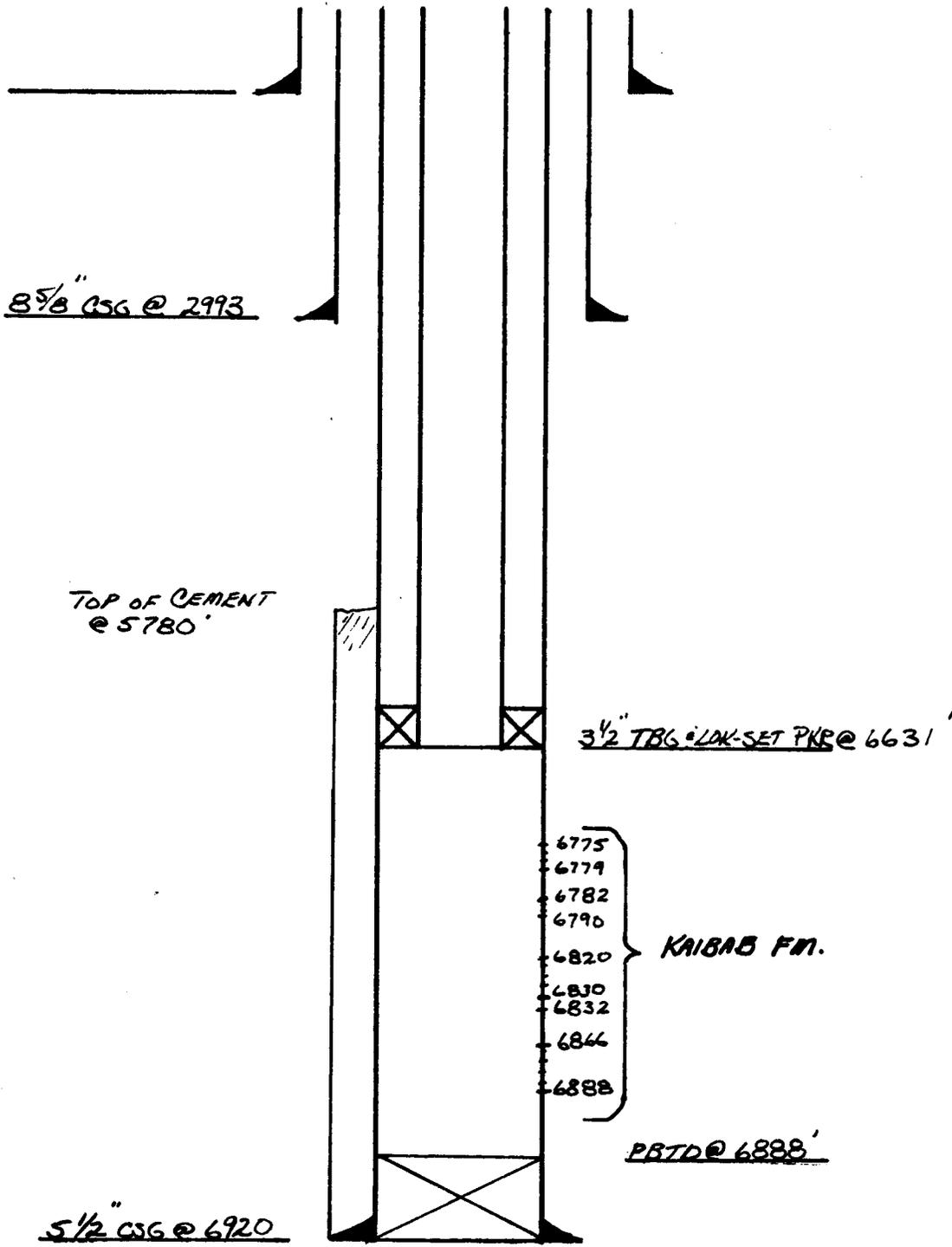
My Commission Expires Sept. 7, 1987 Linda Hancock
6884 S. Prescott St.
Littleton, CO 80120

TENNECO OIL COMPANY
 UPPER VALLEY UNIT WELL NO. 34
 WELLBORE SCHEMATIC
 GARFIELD CO. UTAH



NOTE: NOT TO SCALE

TENNECO OIL COMPANY
UPPER VALLEY UNIT WELL NO. 34
WELLBORE SCHEMATIC
GARFIELD CO. UTAH



NOTE: NOT TO SCALE

UIC RULE 1-5b
UPPER VALLEY UNIT

ITEM NO.

- 5 Design injection rates and surface pressures for Upper Valley injection wells are, as previously mentioned, maintained below 6,000 BPD and 300 psi surface pressures. These parameters are maintained by use of throttling valves or choke valves on each well. Pneumatic control valves are also used to automatically by-pass water if injection pressures exceed the specified 300 psi.

- 6 The Upper Valley system has no means for treating or storage of produced water. All produced water is reinjected as previously stated. Where an injection well shut-in or failure occurs, producing wells are shut-in to prevent over injection.

B

**UIC RULE 1-5b
UPPER VALLEY UNIT**

ITEM NO.

4

The Kaibab formation at the Upper Valley Unit has an average fracture gradient of .348 psi/ft. Past radioactive injection profile surveys run on selected injection wells in the field indicate that at injection rates as high as 6400 BPD, hydraulic fracturing upward above the Kaibab does not take place, but rather remains in zone. Injection in all cases is below 6,000 BPD. Surface injection pressures corresponding to this rate generally do not exceed 300 psi. Attached are copies of injection surveys for three wells (nos. 5, 16 and 26) which were tested at rates above 6,000 BPD. These surveys illustrate that above-fracturing pressures, no upward migration exists.

UPPER VALLEY UNIT
FIELD DESCRIPTION

The Upper Valley Unit is a peripheral drive waterflood utilizing 11 water injection wells to re-inject the total field water production of 38,000 BWPD into the Kaibab formation. Currently, one injection well is shut-in due to adverse effects to offset oil production.

Geologically, the Upper Valley Kaibab formation ranges from a dolomitic limestone, which is naturally fractured, to a very porous dolomitic sandstone.

Currently, there are 24 producing wells in the Upper Valley Unit, all of which are completed in the Kaibab. Production is collected and separated at two points in the field, the main tank battery and the satellite tank battery. Oil is separated at each battery and pumped via pipeline 20 miles to the Upper Valley sales terminal where the oil is sold. The water production at each battery is pumped to the water injectors nearest to the respective tank battery.

In addition to the above mentioned wells, there is one Navajo fresh water source well which was originally completed for additional water injection for the waterflood; but it is now used for makeup water for the newly started polymer-augmented waterflood in the field. The Navajo sand is the deepest known fresh water source in the area. No other fresh water source wells are known to exist at any depth within one mile of the unit boundaries. The bottom of the Navajo sand is an average depth of 4500 feet in the field and is on the average 2000 feet above the Kaibab formation.



CORE LABORATORIES, INC.
Petroleum Reserve Engineering
 DALLAS, TEXAS
 WATER ANALYSIS

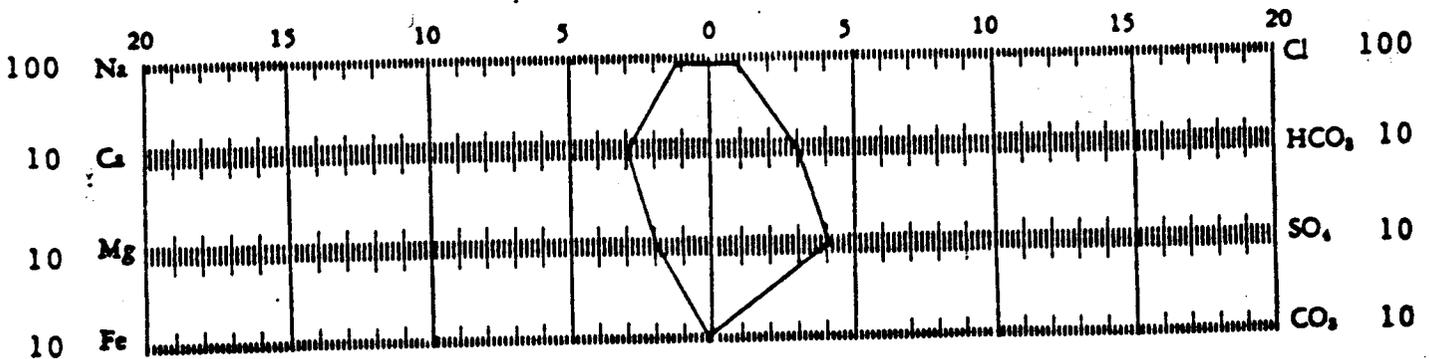
Page 5 of 8
 File IWTL-71107

Company Tenneco Oil Company Well Name _____ Sample No. 5
 Formation Kaibab Depth _____ Sampled From Second F. W. K. O.
 Location _____ Field Upper Valley County Garfield State Utah
 Date Sampled _____ Date Analyzed 11-3 to 11-4, 1971 Analyst RLC

Total Dissolved Solids 10,283 mg/L calculated Specific Gravity 1.0096 @ 60° F.
1.0068 @ 74 °F.
 Resistivity .730 ohm-meters @ 74 °F. measured Hydrogen Sulfide present - 4.0 ppm
 pH 6.9 @ 74 °F.

* Constituents	meq/L	mg/L	Constituents	meq/L	mg/L
Sodium	110.14	2532	Chloride	87.42	3099
Calcium	29.99	601	Bicarbonate	29.60	1806
Magnesium	19.00	231	Sulfate	42.12	2023 (Grav.)
Iron	.007	0.2	Carbonate	-0-	-0-
Barium	-0-	-0- (Grav.)	Hydroxide	-0-	-0-

* All analyses except iron determination performed on a filtered sample.



Scale: meq/L

	Actual Plugging Solids	Mg/L
Total Solids		1.13
Organic		1.12
Iron Sulfides		.00
Calcium as CaCO ₃		.00
Magnesium as MgCO ₃		.00
Sulfate as SO ₄		.00
Insoluble Siliceous Residue		.01



CORE LABORATORIES, INC.
Petroleum Reserve Engineering
DALLAS, TEXAS
WATER ANALYSIS

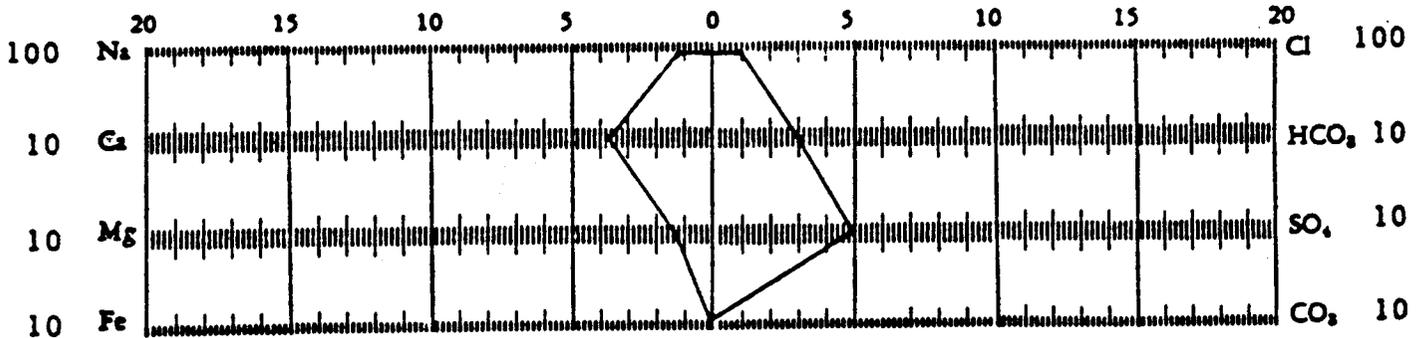
Page 2 of 8
 File IWTL-71107

Company Tenneco Oil Company Well Name _____ Sample No. 2
 Formation Kaibab Depth _____ Sampled From Satellite F. W. K. O.
 Location _____ Field Upper Valley County Garfield State Utah
 Date Sampled _____ Date Analyzed 11-3 to 11-4, 1971 Analyst RLC

Total Dissolved Solids 11,604 mg/L calculated Specific Gravity 1.0074 @ 74 °F
 Resistivity .750 ohm-meters @ 74 °F measured Hydrogen Sulfide present - 3.5 ppm
 pH 6.7 @ 74 °F

* Constituents	meq/L	mg/L	Constituents	meq/L	mg/L
Sodium	128.14	2946	Chloride	96.42	3418
Calcium	37.03	742	Bicarbonate	31.40	1916
Magnesium	13.00	158	Sulfate	50.42	2421 (Grav.)
Iron	.07	2	Carbonate	-0-	-0-
Barium	-0-	-0-	Hydroxide	-0-	-0-

* All analyses except iron determination performed on a filtered sample.



Scale: meq/L

	<u>Mg/L</u>
<u>Actual Plugging Solids</u>	
Total Solids	2.61
Organic	2.32
Iron Sulfides	.21
Calcium as CaCO ₃	.00
Magnesium as MgCO ₃	.00
Sulfate as SO ₄	.00
Insoluble Siliceous Residue	.04



CORE LABORATORIES, INC.
Petroleum Reserve Engineering
DALLAS, TEXAS
WATER ANALYSIS

Page 1 of 13
 File IWTL-71101

Company Tenneco Oil Company Well Name _____ Sample No. _____
 Formation Kaibab Depth _____ Sampled From W.S.W. No. 1
 Location _____ Field Upper Valley County Garfield State Utah
 Date Sampled 9-9-71 Date Analyzed _____ Analyst RLC

Total Dissolved Solids 995 mg L calculated

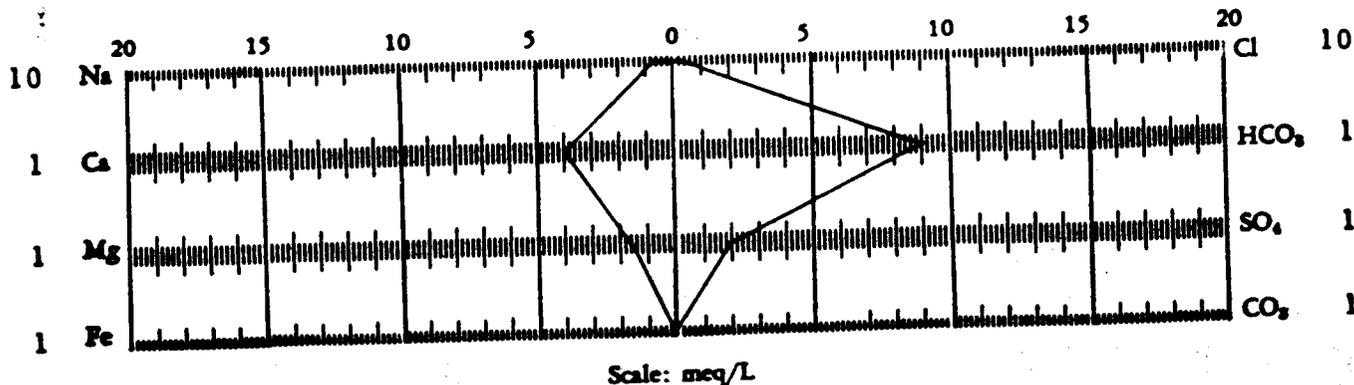
Specific Gravity 1.0027 @ 60 °F.

Resistivity 8.43 ohm-meters @ 74 °F. measured

Hydrogen Sulfide absent

pH 8.1 @ 74 °F.

* Constituents	meq/L	mg L	Constituents	meq/L	mg L
Sodium	6.4	147	Chloride	2.0	64
Calcium	4.0	80	Bicarbonate	9.0	576
Magnesium	2.6	32	Sulfate	2.0	95 (Grav.)
Iron	0.02	0.56	Carbonate	0.0	0.0
Barium	0.0	0.0 (Grav.)	Hydroxide	0.0	0.0



* All analyses except iron determination performed on a filtered sample.

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

* * * * *

Operator: Sumner Well No. Upper Valley Unit # 34
 County: Garfield T 36 S R 1 E Sec. 13 API# 43-017-30065
 New Well Conversion Disposal Well Enhanced Recovery Well

	YES	NO	
UIC Forms Completed	<u>✓</u>		
Plat including Surface Owners, Leaseholders, and wells of available record	<u>✓</u>		
Schematic Diagram	<u>✓</u>		
Fracture Information	<u>✓</u>		
Pressure and Rate Control	<u>✓</u>		
Adequate Geologic Information	<u>✓</u>		
Fluid Source			<u>Karst</u>
Analysis of Injection Fluid	Yes <u>✓</u> No <input type="checkbox"/>		TDS <u>11,604</u>
Analysis of Water in Formation to be injected into	Yes <u>✓</u> No <input type="checkbox"/>		TDS <u>11,604</u>
Known USDW in area			<u>Range</u> Depth <u>4500</u>
Number of wells in area of review	Prod. <u>1</u>	P&A <u>0</u>	
	Water <u>0</u>	Inj. <u>0</u>	
Aquifer Exemption	Yes <input type="checkbox"/> NA <u>✓</u>		
Mechanical Integrity Test	Yes <u>✓</u> No <input type="checkbox"/>		
Date	<u>3-21-84</u>	Type	<u>Produced</u>

Comments: TOC 5780

Reviewed by: 

UTAH DIVISION OF OIL, GAS AND MINING
CASING-BRADENHEAD TEST

OPERATOR: Tenneco Oil Exploration & Production Co.

FIELD: Upper Valley ^{COUNTY} Garfield _{LEASE.}

WELL # 34 SW/NE SEC. 13 TOWNSHIP 36S RANGE 1E

STATE FED. FEE DEPTH 6920 TYPE WELL INS N MAX. INJ. PRESS. 3000

TEST DATE 3/21/84

CASING STRING	SIZE	SET AT	CMT <small>52 LRS</small>	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>8 5/8"</u>	<u>2993'</u>	<u>1000</u>	<u>0</u>	<u>No Vacuum</u>	
<u>INTERMEDIATE</u>	<u>0</u>					
<u>PRODUCTION</u>	<u>5 1/2</u>	<u>6920</u>	<u>200</u>			
<u>TUBING</u>	<u>3 1/2</u>	<u>6631</u>	<u>Packer</u>	<u>265 PSI</u>	<u>= AT well head</u>	

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

Utah
Natural Resources
Oil, Gas and Mining

3 Triad Center, Suite 350,
Salt Lake City, Utah 84180
Phone (801)538-5340

INJECTION WELL
PRESSURE TEST

COMPANY/OPERATOR Tenneco Oil Company DATE 9/23/84

WELL TYPE: DISPOSAL _____ ENHANCED RECOVERY OTHER _____

WELL NAME: #34 API NO. 43-017-30065 LEASE NO. _____

SECTION 13 TOWNSHIP 36S RANGE 1E COUNTY GARFIELD

SURFACE CASING 8 5/8" @ 2993' WITH 1000 sts CEMENT

INTERMEDIATE CASING _____ @ _____ WITH _____ CEMENT

PRODUCTION CASING 5 1/2" @ 6920' WITH 200 sts CEMENT

TUBING 3 1/2" @ 6631'

PACKER SET @ 6631 TYPE BAKER MODEL LOK-SET

CONDITIONS DURING TEST:

TUBING PRESSURE: vacuum psig.

CASING/TUBING ANNULUS PRESSURE 200 psig. for 15 minutes

CHANGE DURING TEST 310# → 200# over 15 minutes

CONDITIONS AFTER TEST:

TUBING PRESSURE: vacuum psig.

CASING/TUBING ANNULUS PRESSURE: 0 psig.

COMMENTS: 6000 B/D } approved.
300 PSI }

Casing valve was open before pumping fluid; vacuum on casing after pumping began

Began injecting after we began pumping
Unhooked fluid pump line, pressure in the casing ≈ 50# to 150#
Increase in pressure due to hot injection water going into cold well

Pressure decrease probably due to cooling of annular fluid
No leak is believed to exist.

Dorothy Swindle
WITNESS

[Signature]
WITNESS

all
prior
to test

Operator Change

SUB TRIPPLICATE
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
varies

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
020910

7. UNIT AGREEMENT NAME
Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT
Upper Valley - Kaibab

11. SEC., T., R., M., OR BLE. AND SUBST OR AREA
Townships 36S, 37S; Range 1E

12. COUNTY OR PARISH
Garfield

13. STATE
Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or to recomplete wells. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
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1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Tenneco Oil Company No 950

3. ADDRESS OF OPERATOR
P.O. Box 3249 Englewood, CO 80155

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 OP, ST, CR, etc.)

DIVISION OF
OIL, GAS & MINING

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"/>	FULL 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) <u>Sale of Unit</u>	
(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.)*

Tenneco Oil Company has sold its interest to the Upper Valley Unit located in various sections of Township 36S, 37S and Range 1E, 2E. The sale was to Citation Oil and Gas Corp. (16800 Greenspoint Park Drive, Suite 300, Houston, Texas 77060) effective 9/1/87. Attached is a list of unit wells which were sold.

No 265

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

SIGNED Steve Kater TITLE Sr. Administrative Analyst DATE 1/27/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Tennessee Oil Co. to Citation Oil and Gas Corp.

No 950 to No 265

Eff 9-1-87

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FEB 01 1988

UPPER VALLEY UNIT

DIVISION OF
OIL, GAS & MINING

Upper Valley #1	SE/4NE/4	Sec. 11, T-36-S, R-1-E	Water Injection	43-017-11221 ✓
Upper Valley #2	NW/4NW/4	Sec. 13, T-36-S, R-1-E		43-017-16025 ✓
POW/KBAB				
Upper Valley #3	SE/SW	Sec. 13, T-36-S, R-1-E		43-017-16026 ✓
POW/KBAB				
Upper Valley #4	SE/SE	Sec. 24, T-36-S, R-1-E		43-017-16027 ✓
W1W Upper Valley #5	SE/SW	Sec. 12, T-36-S, R-1-E		43-017-16028 ✓
POW/KBAB				
Upper Valley #6	SE/NW	Sec. 13, T-36-S, R-1-E		43-017-20233 ✓
W1W Upper Valley #7	SE/NE	Sec. 24, T-36-S, R-1-E		43-017-20258 ✓
POW/KBAB				
Upper Valley #8	NW/SW	Sec. 13, T-36-S, R-1-E		43-017-20275 ✓
POW/KBAB				
Upper Valley #9	NW/SE	Sec. 24, T-36-S, R-1-E		43-017-20324 ✓
POW/KBAB				
Upper Valley #10	SE/NE	Sec. 25, T-36-S, R-1-E		43-017-30001 ✓
POW/KBAB				
Upper Valley #11	SE/SE	Sec. 25, T-36-S, R-1-E		43-017-30002 ✓
POW/KBAB				
Upper Valley #12	NW/SW	Sec. 6, T-37-S, R-2-E		43-017-30015 ✓
POW/KBAB				
Upper Valley #13	NE/NW	Sec. 24, T-36-S, R-1-E		43-017-30003 ✓
POW/KBAB				
Upper Valley #14	SE/SE	Sec. 11, T-36-S, R-1-E		43-017-30004 ✓
POW/KBAB				
Upper Valley #15	SE/SW	Sec. 24, T-36-S, R-1-E		43-017-30005 ✓
W1W Upper Valley #16	SW/NE	Sec. 11, T-36-S, R-1-E		43-017-30007 ✓
PPA				
Upper Valley #17	SE/NE	Sec. 36, T-36-S, R-1-E		43-017-30016 ✓
POW/KBAB				
Upper Valley #17X	SE/NE	Sec. 36, T-36-S, R-1-E		43-017-30071 ✓
POW/KBAB				
Upper Valley #18	NW/SW	Sec. 31, T-36-S, R-2-E		43-017-30012 ✓
POW/KBAB				
W1W Upper Valley #19	NW/NW	Sec. 6, T-37-S, R-2-E		43-017-30013 ✓
POW/KBAB				
Upper Valley #20	NW/NE	Sec. 25, T-36-S, R-1-E		43-017-30014 ✓
POW/KBAB				
Upper Valley #21	NW/NW	Sec. 7, T-37-S, R-2-E		43-017-30021 ✓
PPA				
Upper Valley #22	SE/NW	Sec. 14, T-36-S, R-1-E		43-017-30025 ✓
W1W Upper Valley #23	SE/NW	Sec. 30, T-36-S, R-2-E		43-017-30030 ✓
W1W Upper Valley #24	NE/NE	Sec. 23, T-36-S, R-1-E		43-017-30041 ✓
W1W Upper Valley #25	SW/SE	Sec. 36, T-36-S, R-1-E		43-017-30033 ✓

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FEB 01 1988

UPPER VALLEY UNIT (Continued)

DIVISION OF
OIL, GAS & MINING

ww Upper Valley #26 Pow/KBAB	SW/SW	Sec. 24, T-36-S, R-1-E	<u>43-017-30036</u> ✓
Upper Valley #27 Pow/KBAB	NW/SE	Sec. 7, T-37-S, R-2-E	<u>43-017-30039</u> ✓
Upper Valley #28 Pow/KBAB	NW/NE	Sec. 24, T-36-S, R-1-E	<u>43-017-30032</u> ✓
Upper Valley #29 Pow/KBAB	SW/SW	Sec. 13, T-36-S, R-1-E	<u>43-017-30034</u> ✓
Upper Valley #30 Pow/KBAB	SE/NW	Sec. 24, T-36-S, R-1-E	<u>43-017-30037</u> ✓
Upper Valley #31 Pow/KBAB	SE/NE	Sec. 14, T-36-S, R-1-E	<u>43-017-30042</u> ✓
Upper Valley #32	NW/SE	Sec. 25, T-36-S, R-1-E	<u>43-017-30043</u> ✓
ww Upper Valley #33	NW/NE	Sec. 36, T-36-S, R-1-E	<u>43-017-30047</u> ✓
ww Upper Valley #34	SW/NE	Sec. 13, T-36-S, R-1-E	<u>43-017-30065</u> ✓
ww Upper Valley #36	NW/NE	Sec. 14, T-36-S, R-1-E	<u>43-017-30048</u> ✓

Utah Division of Oil, Gas, and Mining
 Casing - ~~Bradenhead Test~~

Pressure Test

Operator: CITATION OIL AND GAS

Field/Unit: UPPER VALLEY

Well: #34

Township: 36S Range: 01E Sect: 13

API: 43-017-30065

Welltype: INJW Max Pressure: 300

Lease type: FEDERAL

Surface Owner: FOREST

Test Date: *9/16/91*

CASING STRING	SIZE	SET AT	PRESSURE	OBSERVATIONS
---------------	------	--------	----------	--------------

Surface:	8 5/8	2993		
----------	-------	------	--	--

TP = 300 psi

Intermediate:		0		
---------------	--	---	--	--

*290 PSI held
17 min.*

Production:	5 1/2	6920		
-------------	-------	------	--	--

Other:		0		
--------	--	---	--	--

Tubing:	3 1/2			
---------	-------	--	--	--

Packer:		6631		
---------	--	------	--	--

Recommendations:

D-favis

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		5. LEASE DESIGNATION & SERIAL NO. N/A	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME N/A	
2. NAME OF OPERATOR Citation Oil & Gas Corp.		8. FARM OR LEASE NAME N/A	
3. ADDRESS OF OPERATOR 8223 Willow Place So., Houston, TX 77070		9. WELL NO. 34	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 15 miles NE of Escalante, Utah At proposed prod. zone Upper Valley Unit		10. FIELD AND POOL, OR WILDCAT Upper Valley	
		11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Sec. 13, T36S, R1E	
14. API NO. 43-017-30065	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY Garfield	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 <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) Saltwater Spill	
(Other)		<small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

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.)

* Must be accompanied by a cement verification report.

On July 22, 1992, at approximately 9:30 AM, a saltwater spill was discovered which was a result of a leak from an injection line. Cause of the leak was due to external corrosion. Approximately 40 BSW leaked from the line and ran 200 yards down a dry wash and was contained in a catch basin. A vacuum truck recovered approximately 30 barrels of the spill. The injection line was repaired.

RECEIVED
JUL 31 1992
DIVISION OF OIL GAS & MINING

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

SIGNED *Pat Johnson* TITLE Adm. Engineering Supv. DATE 7/28/92

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

ST. OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		5. LEASE DESIGNATION & SERIAL NO. U-013734	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME Upper Valley Unit	
2. NAME OF OPERATOR Citation Oil & Gas Corp.		8. FARM OR LEASE NAME Upper Valley	
3. ADDRESS OF OPERATOR 8223 Willow Place So., Ste. 250, Houston, TX 77070		9. WELL NO. 34	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 25 miles NE of Escalante, Utah At proposed prod. zone Upper Valley Unit		10. FIELD AND POOL, OR WILDCAT Upper Valley	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13, T36S, R1E	
14. API NO. 43-017-30065	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7,753'	12. COUNTY Garfield	13. STATE Utah

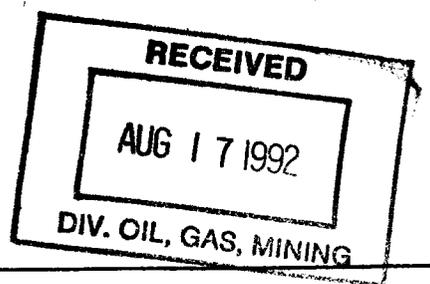
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <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) <u>Saltwater Spill Report</u> <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

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.)

* Must be accompanied by a cement verification report.

On August 4, 1992, at approximately 10:00 AM, a saltwater spill was discovered at the Upper Valley Unit, Well No. 34, pipeline right-of-way. Cause of the spill was due to external corrosion on the pipeline. Approximately 150 barrels leaked from the pipeline. The saltwater ran to a catch basin, which overflowed, causing the saltwater to travel approximately 300 yards further. It was contained at that point and a vacuum truck called out to recover the liquids. Approximately 140 BSW were recovered. Approximately 60' of line pipe was replaced. There were no streams affected by this spill nor were there any personal injuries associated with this incident.



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

SIGNED Pat Johnson TITLE Adm. Engineering Supv. DATE 8/10/92

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

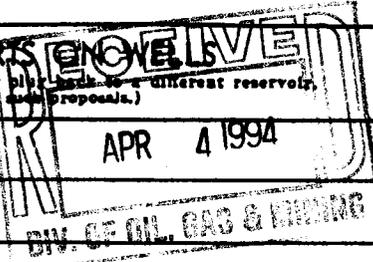
See Instructions On Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection		5. LEASE DESIGNATION AND SERIAL NO. U-013734	
2. NAME OF OPERATOR Citation Oil & Gas Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 8223 Willow Place South Ste 250 Houston, Texas 77070		7. UNIT AGREEMENT NAME Upper Valley	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2400' FNL & 1970' FEL T36S, R1E, Sec. 13		8. FARM OR LEASE NAME Upper Valley	
14. API NUMBER 43-017-30065		9. WELL NO. 34	
ELEVATIONS (Show whether DT, RT, OR, etc.) 7753' KB		10. FIELD AND POOL, OR WILDCAT Upper Valley Kaibab	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA T36S, R1E Sec.13	
		12. COUNTY OR PARISH Garfield	13. STATE Utah



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

NOTICE OF INTENT TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PLUG OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MU PLB COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	AB ON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CH IE 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 directional, give directions pertinent to this work.)
 18. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On December 8, 1993, Citation acidized the above well w/500 bbls of 15% HCL. Shut in for 1 1/2 hrs.

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

SIGNED Sharon W. [Signature] TITLE Prod. Reg. Supv DATE 3-31-94

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE T.C.

CONDITIONS OF APPROVAL, IF ANY

*See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-013734

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 wells to a surface reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER Injection
APR 4 1994

7. UNIT AGREEMENT NAME
Upper Valley

2. NAME OF OPERATOR
Citation Oil & Gas Corp.

8. FARM OR LEASE NAME
Upper Valley

3. ADDRESS OF OPERATOR
8223 Willow Place South Ste 250 Houston, Texas 77070

9. WELL NO.
34

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
Upper Valley Kaibab

2400' FNL & 1970' FEL
T36S, R1E, Sec. 13

11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA
T36S, R1E Sec. 13

14. API NUMBER
43-017-30065

15. ELEVATIONS (Show whether SP, RT, GA, etc.)
7753' KB

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
SMOOT 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.)

On December 8, 1993, Citation acidized the above well w/500 bbls of 15% HCL. Shut in for 1 1/2 hrs.

18. I hereby certify that the foregoing is true and correct
SIGNED Sharon Ward TITLE Prod. Reg. Supv DATE 3-31-94

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

August 19, 1996

Citation Oil & Gas Corp.
8223 Willow Place S Suite 250
Houston, Texas 77070-5623

Re: Pressure Test for Mechanical Integrity, Injection Wells,
Upper Valley Field, Garfield County, Utah

Gentlemen:

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October 1982. Our records indicate the above referenced wells are due for testing. Please make arrangements and ready the wells for testing during the week of September 16, 1996 as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.



Page 2
Citation Oil & Gas Corp.
August 19, 1996

4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.
5. All bradenhead valves with exception of the tubing on the injection wells must be shut-in 24 hours prior to testing.

Please contact Dan Jarvis at (801)538-5338 to arrange a meeting time and place or negotiate a different date if this one is unacceptable.

Sincerely,



Gil Hunt
Environmental Manager, Oil & Gas

Enclosure

CITATION OIL	43-017-11221	#1	36S	01E	11	INJW
CITATION OIL	43-017-30007	#16	36S	01E	11	INJW
CITATION OIL	43-017-16028	#5	36S	01E	12	INJW
CITATION OIL	43-017-30065	#34	36S	01E	13	INJW
CITATION OIL	43-017-30048	#36	36S	01E	14	INJI
CITATION OIL	43-017-30041	#24	36S	01E	23	INJW
CITATION OIL	43-017-30036	#26	36S	01E	24	INJI
CITATION OIL	43-017-30130	#39	36S	01E	24	INJW
CITATION OIL	43-017-20258	#7	36S	01E	24	INJI
CITATION OIL	43-017-30047	#33	36S	01E	36	INJW
CITATION OIL	43-017-30033	#25	36S	01E	36	INJW
CITATION OIL	43-017-30030	#23	36S	02E	30	INJW
CITATION OIL	43-017-30013	#19	37S	02E	6	INJW

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

INJECTION WELL - PRESSURE TEST

Test Date: <u>10/2/96</u>	Well Owner/Operator: <u>Citation</u>	
Disposal Well: _____	Enhanced Recovery Well: _____	Other: _____
API No.: <u>43-017-30065</u>	Well Name/Number: <u>#34</u>	
Section: <u>13</u>	Township: <u>36S</u>	Range: <u>1E</u>

Initial Conditions:

Tubing - Rate: _____ Pressure: _____ psi

Casing/Tubing Annulus - Pressure: _____ psi

Conditions During Test:

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	_____	_____
5	_____	_____
10	_____	_____
15	_____	_____
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: _____ psi

Casing/Tubing Annulus Pressure: _____ psi

REMARKS:

Backside went on vacuum - Failed MIT
recommend remedial work

Operator Representative

D. J. [Signature]
DOGMA Witness

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to re-enter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

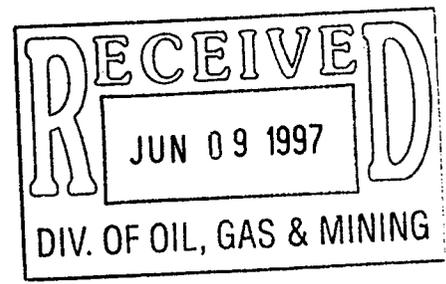
1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: Injection Wells	5. Lease Designation and Serial Number:
2. Name of Operator Citation Oil & Gas Corp.	6. If Indian, Allottee or Tribe Name:
3. Address and Telephone Number: 8223 Willow Place South, Suite 250, Houston, Texas 77070-5623 (281) 469-9664	7. Unit Agreement Name: Upper Valley Unit
4. Location of Well Footages: Various County: Garfield QQ, Sec., T., R., M.: Sec. 6/7, T37S, R2E; Sec. 11, 12, 13, 14, 23, 24, 25 & 36, T36S, R1E; Sec. 30/31, T36S, R2E State: Utah	8. Well Name and Number: Various 9. API Well Number: 43-017-30065 10. Field and Pool, or Wildcat: Upper Valley

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input checked="" type="checkbox"/> Other Increase Injection Pressure Fieldwide	<input type="checkbox"/> Abandonment* <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start Upon Approval	Date of work completion _____
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)
Citation Oil & Gas Corp. requests approval to increase the permitted injection pressure for this field to a maximum of 500 psi for each well on the attached list. This request is made because current injection pressure requirements exceed the authorized injection pressure allowed under the permit.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 6-6-97
BY: [Signature]



13. Name & Signature: [Signature] **Debra Harris** Title: Regulatory Analyst Date: 6/6/97

(This space for State use only)

Current Permitted Injection Pressures / Injection Rates (per day):

Upper Valley #1	300 psi / 6000 bbls	API #43-017- 22400 11221
Upper Valley #5	300 psi / 6000 bbls	API #43-017-16028
Upper Valley #16	300 psi / 6000 bbls	API #43-017-30007
Upper Valley #19	250 psi / 6000 bbls	API #43-017-30013
Upper Valley #23	300 psi / 6000 bbls	API #43-017-30030
Upper Valley #24	300 psi / 6000 bbls	API #43-017-30041
Upper Valley #25	300 psi / 6000 bbls	API #43-017-30033
Upper Valley #33	300 psi / 6000 bbls	API #43-017-30047
→ Upper Valley #34	300 psi / 6000 bbls	API #43-017-30065
Upper Valley #39	250 psi / 6000 bbls	API #43-017-30130

Per Lisha Cordova, State of Utah, Oil, Gas & Mining

INJECTION WELL - PRESSURE TEST

Well Name: <u>UV # 34</u>	API Number: <u>43-019-30065</u>
Qtr/Qtr: <u>SWNE</u> Section: <u>13</u>	Township: <u>36S</u> Range: <u>1E</u>
Company Name: <u>Citation Oil</u>	
Lease: State _____ Fee _____	Federal _____ Indian _____
Inspector: <u>D. Jones</u>	Date: <u>10/3/01</u>

Initial Conditions:

Tubing - Rate: _____ Pressure: _____ psi
 Casing/Tubing Annulus - Pressure: _____ psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>0</u>	_____
5	<u>300</u>	_____
10	<u>300</u>	_____
15	<u>300</u>	_____
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: _____ psi
 Casing/Tubing Annulus Pressure: _____ psi

COMMENTS: Passed MIT pumped 14 BBLS H₂O

Kenneth A. Fudge
 Operator Representative

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to re-enter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: <input type="checkbox"/> OIL <input type="checkbox"/> GAS OTHER: Water Injection Well		5. Lease Designation and Serial Number: U 013734
2. Name of Operator Citation Oil & Gas Corp.		6. If Indian, Allottee or Tribe Name:
3. Address and Telephone Number: P O Box 690688, Houston, Texas 77269 (281) 517-7800		7. Unit Agreement Name: Upper Valley Unit
4. Location of Well Footages: 1970' FEL & 2400' FNL QQ, Sec., T., R., M.: SW NE SEC. 13-36S-1E		8. Well Name and Number: Upper Valley Unit # 34
		9. API Well Number: 43-017-30065
		10. Field and Pool, or Wildcat: Upper Valley Kaibab
		County: Garfield State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion <input type="checkbox"/> Conversion to Injection <input checked="" type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment* <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other _____
Approximate date work will start <u>2002</u>	Date of work completion _____
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)
Citation Oil & Gas Corp. proposes to acidize the Upper Valley Unit's nine injection wells with 15% HCL with iron sequesterant, mutual solvent, non-emulsifying agent and inhibitor to reduce injection pressures. The amount will be based on current pressure and perforated intervals.

JAN 22 2002
DIVISION OF
OIL, GAS AND MINING

13. Name & Signature: Sharon Ward Title: Regulatory Administrator Date: 1/16/02

(This space for State use only)
(12/92)
 COPY SENT TO OPERATOR
 Date: 01/28/02
 Initials: TEB

(See Instructions on Reverse Side)

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 01-28-02
By: [Signature]

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:

U 013734

6. If Indian, Allottee or Tribe Name:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to re-enter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

7. Unit Agreement Name:

Upper Valley Unit

8. Well Name and Number:

Various

1. Type of Well:

OIL GAS OTHER: Injection Well

2. Name of Operator

Citation Oil & Gas Corp.

9. API Well Number:

43-07-30065

3. Address and Telephone Number:

P O Box 690688, Houston, Texas 77269 (281) 517-7800

10. Field and Pool, or Wildcat:

Upper Valley Kaibab

4. Location of Well

Footages:

QQ, Sec., T., R., M.: S-13 T36S R01E

County: Garfield

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- Abandonment*
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Citation Oil & Gas Corp. requests permission to acidize the following injection wells to improve injection performance using a combined total of 7500 gallons of 15% HCl acid containing iron sequestering and chelating agents, surfactant, and non-emulsifying chemicals. A proposed treating volume based on net perforated feet of pay and injection volume capacity is attached.

- Upper Valley Unit 1 - 4301711221
- Upper Valley Unit 5 - 4301716028
- Upper Valley Unit 16 - 4301730007
- Upper Valley Unit 19 - 4301730013
- Upper Valley Unit 23 - 4301730030
- Upper Valley Unit 25 - 4301730033
- Upper Valley Unit 33 - 4301730047
- Upper Valley Unit 34 - 4301730065
- Upper Valley Unit 39 - 4301730130

COPY SENT TO OPERATOR

Date: 10-29-04

Initials: CHD

13.

Name & Signature: Bridget Alexander Bridget Alexander Title: Regulatory Assistant Date: 10/20/04

(This space for State use only)

(12/92)

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

(See Instructions on Reverse Side)

DATE: 10/27/04
BY: [Signature]

RECEIVED

OCT 26 2004

DIV. OF OIL, GAS & MINING

Federal Approval Of This
Action Is Necessary

UVU INJECTION WELL ACIDIZING SCHEDULE

<u>UVU WELL #</u>	<u>PROPOSED ACIDIZING VOLUME (gals 15% HCl)</u>
1	600
5	600
16	600
19	1050
23	600
25	950
33	1500
34	400
39	1200

Total = 7500 gallons

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:

U 013734

SUNDRY NOTICES AND REPORTS ON WELLS

6. If Indian, Allottee or Tribe Name:

Do not use this form for proposals to drill new wells, deepen existing wells, or to re-enter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

7. Unit Agreement Name:

Upper Valley Unit

1. Type of Well:

OIL GAS OTHER: **Injection Well**

8. Well Name and Number:

Various

2. Name of Operator

Citation Oil & Gas Corp.

9. API Well Number:

3. Address and Telephone Number:

P O Box 690688, Houston, Texas 77269 (281) 517-7800

10. Field and Pool, or Wildcat:

Upper Valley Kaibab

4. Location of Well

Footages:

County: **Garfield**

QQ, Sec., T., R., M.:

State: **Utah**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other _____
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- Abandonment*
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other _____
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion _____

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On 12/28/2004, Citation Oil & Gas Corp. acidized the following wells using a total of 7650 gallons 15% HCL with additives as previously approved by your office. The wells were returned to injection following the acidization.

- Upper Valley Unit 1 - 600 gals displaced with 9 bbls
- Upper Valley Unit 5 - 600 gals displaced with 7 bbls
- Upper Valley Unit 16 - 600 gals displaced with 7 bbls
- Upper Valley Unit 19 - 1050 gals displaced with 25 bbls
- Upper Valley Unit 23 - 1000 gals displaced with 8 bbls
- Upper Valley Unit 25 - 1000 gals displaced with 9 bbls
- Upper Valley Unit 33 - 1200 gals displaced with 47 bbls
- Upper Valley Unit 34 - 500 gals displaced with 7 bbls
- Upper Valley Unit 39 - 1100 gals displaced with 8 bbls

*- T 365 ROIE S-13
43-019-300ks*

RECEIVED

JAN 11 2005

DIV. OF OIL, GAS & MINING

13.

Name & Signature:

Debra Harris

Debra Harris

Title:

Prod/Reg Coordinator

Date:

1/4/2005

(This space for State use only)

INJECTION WELL - PRESSURE TEST

Well Name: <u>UPPER VALLEY UNIT 34</u>	API Number: <u>4301730065000</u>
Qtr/Qtr: <u>SW 1/4</u>	Section: <u>13</u>
Township: <u>36S</u> Range: <u>1E SLBM</u>	
Company Name: <u>CITATION</u>	
Lease: State <u>71-019378</u> Fee _____ Federal _____ Indian _____	
Inspector: <u>TED SMITH</u> Date: <u>10/24/66</u>	

Initial Conditions:

Tubing - Rate: 2202 BBL/DY Pressure: 120 psi

Casing/Tubing Annulus - Pressure: BLEED OF TO 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	_____	_____
5	_____	_____
10	_____	_____
15	<u>320</u>	_____
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

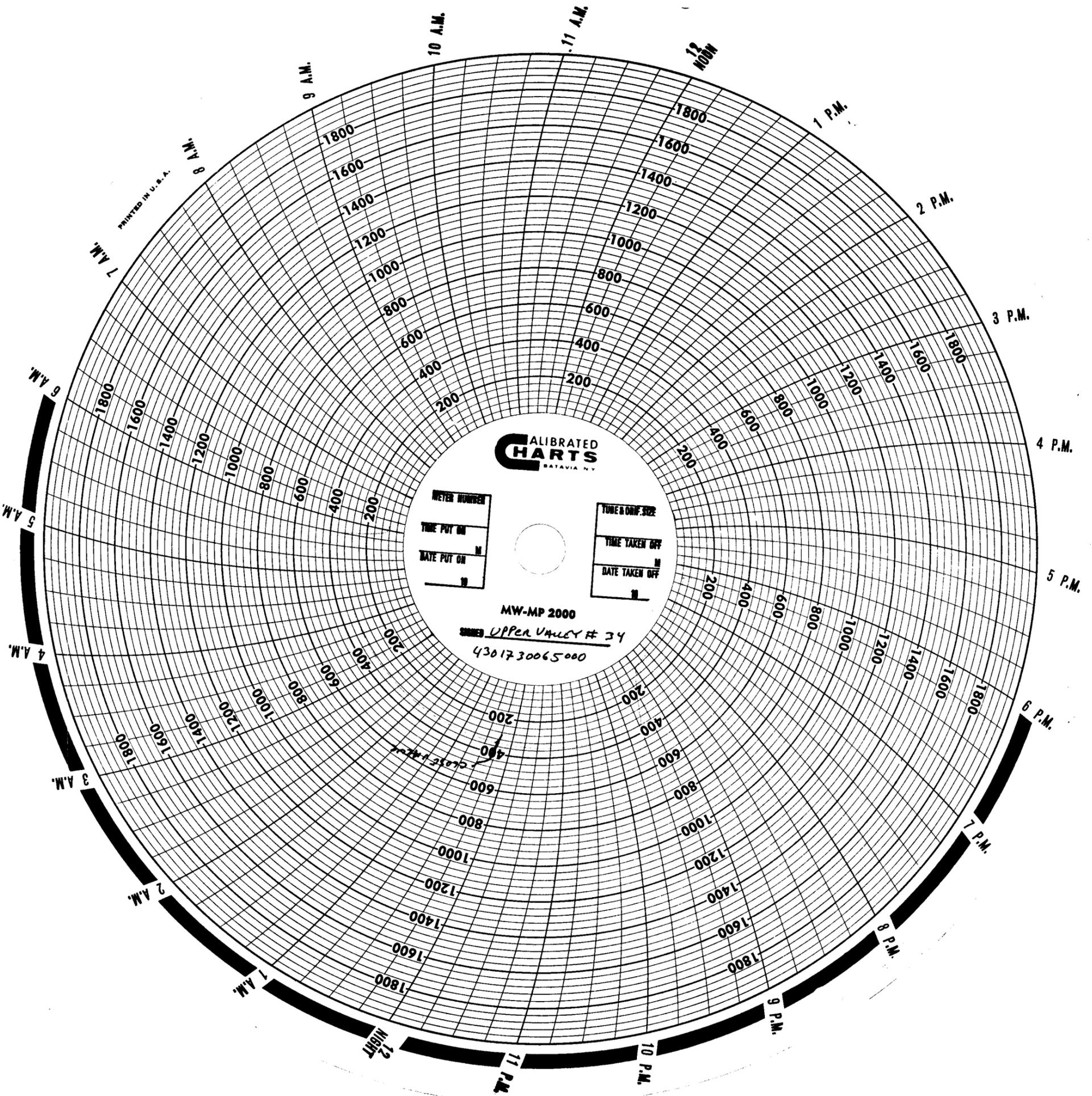
Tubing Pressure: _____ psi

Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: ACTIVE INJECTION WELL, WELL CAN GO ON SUCTION
CLOSE VALVE ONCE Pressure DROPPED NOTE ON LOG. WATER Pressure cooled down,
WELL TOOK WATER FROM HOT OIL TRUCK THEN CLOSED VALVE NEAR AT
WELL COOLS + HEATS UP 15 BBL PRODUCTION WATER USED

Glenn Wilson
 Operator Representative

PRINTED IN U.S.A.



**CALIBRATED
CHARTS**
BATAVIA, N.Y.

METER NUMBER
TIME PUT ON
DATE PUT ON

TUBE & ORIF. SIZE
TIME TAKEN OFF
DATE TAKEN OFF

MW-MP 2000

SERIAL UPPER VALLEY # 34

4361730065000

CLARK VALLEY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

U 013734

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Upper Valley 8910081780

8. WELL NAME and NUMBER:

Upper Valley Unit 34

9. API NUMBER:

4301730065

10. FIELD AND POOL, OR WLD CAT:

Upper Valley Kaibab

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL GAS WELL OTHER Water Injection Well

2. NAME OF OPERATOR:
Citation Oil & Gas Corp.

3. ADDRESS OF OPERATOR: PHONE NUMBER:
P.O. Box 690688 CITY Houston STATE TX ZIP 77269-0688 (281) 517-7194

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **2400' FNL & 1970' FEL** COUNTY: **Garfield**
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SWNE 13 36S 1E** STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 10/24/2006	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Mechanical Integrity</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
This well was tested for mechanical integrity on 10/24/2006. A copy of DOGM Inspection Form 6 is attached for your review.

NAME (PLEASE PRINT) Debra Harris TITLE Regulatory Compliance Coordinator
SIGNATURE *Debra Harris* DATE 11/14/2006

(This space for State use only)

RECEIVED
NOV 17 2006
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: UPPER VALLEY UNIT 34 API Number: 4301730065000
 Qtr/Qtr: SW 14 Section: 13 Township: 36S Range: 1E SLBM
 Company Name: CITATION
 Lease: State 71-019378 Fee _____ Federal _____ Indian _____
 Inspector: TED SMITH Date: 10/24/06 / m

Initial Conditions:

Tubing - Rate: 2202 BBL/DY Pressure: 120 psi

Casing/Tubing Annulus - Pressure: BELOW 0 TO 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	_____	_____
5	_____	_____
10	_____	_____
15	<u>320</u>	_____
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: _____ psi

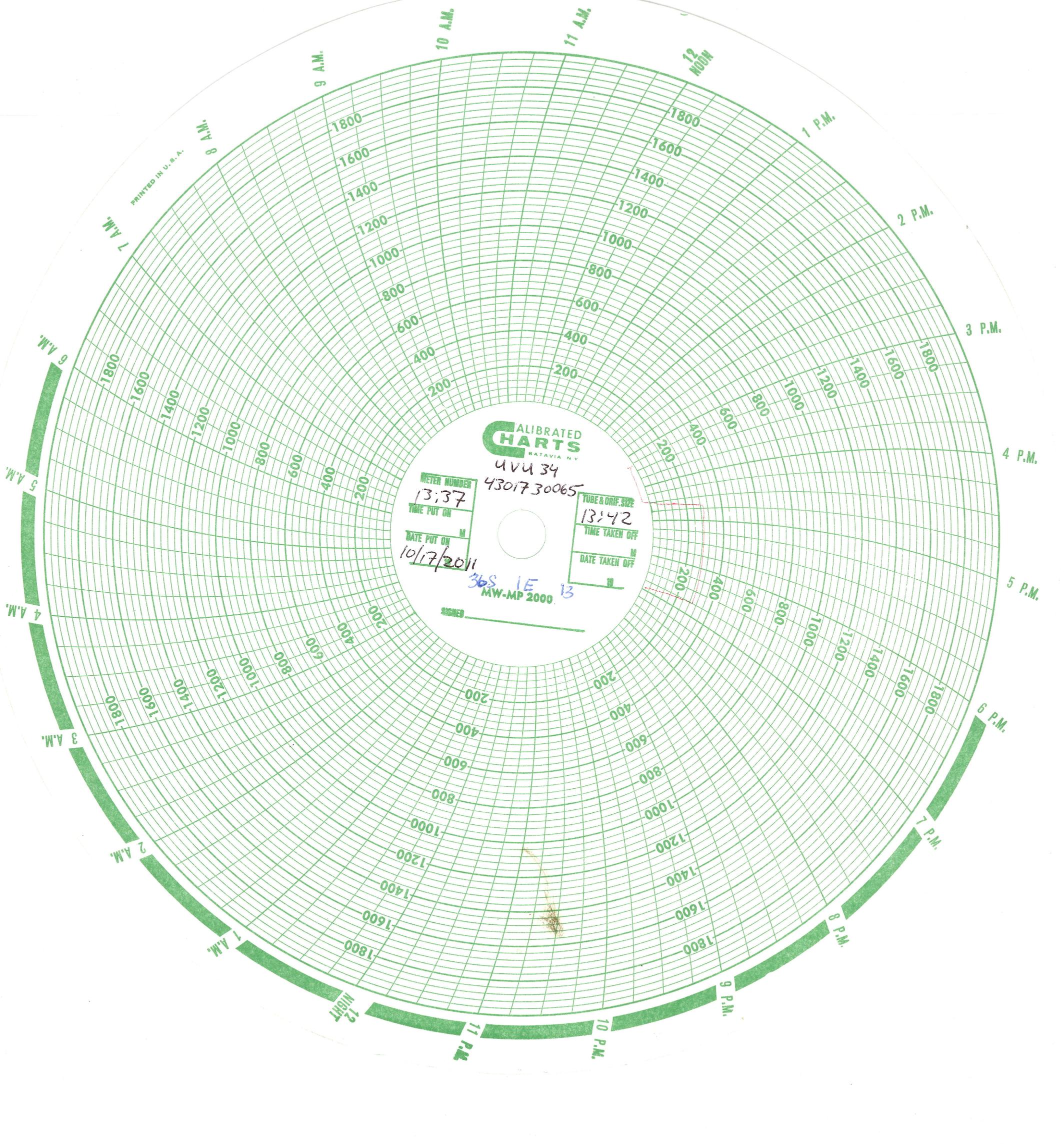
Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: ACTIVE INJECTION WELL, WELL CAN GO ON SECTION

CLOSE VALVE ONCE PRESSURE DROPPED NOTE ON LOG: WATER PRESSURE COOLING DOWN
WELL TOOK WATER FROM HOT OIL TRUCK THEN CLOSED VALVE HIGHER ALT
WELL COOLS + HEATS UP 15 BBL PRODUCTION WATER USED

Glenn Wilson
Operator Representative

PRINTED IN U.S.A.



**CALIBRATED
CHARTS**
BATAVIA, N.Y.

UVU 34

4301730065

METER NUMBER
13:37
TIME PUT ON
DATE PUT ON
10/17/2011

TUBE & ORIF. SIZE
13:42
TIME TAKEN OFF
DATE TAKEN OFF

36S 1E 13
MW-MP 2000

SIGNED _____