

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Walter D. Broadhead

3. ADDRESS OF OPERATOR
1645 N. 7th St North

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface *330' FEL 2310' FSL*
 At proposed prod. zone *NE NE SE*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Seven mile NE of Cisco Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) *330 FT.*

16. NO. OF ACRES IN LEASE *320*

17. NO. OF ACRES ASSIGNED TO THIS WELL *10*

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. *1/4 mile*

19. PROPOSED DEPTH *500 FT ✓*

20. ROTARY OR CABLE TOOLS *Rotary*

21. ELEVATIONS (Show whether DF, RT, GR, etc.) *→ 4508 FT*

22. APPROX. DATE WORK WILL START*

5. LEASE DESIGNATION AND SERIAL NO.
U-035201-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME *Household*

9. WELL NO.
Broadhead Fed No-2

10. FIELD AND POOL, OR WILDCAT
Unnamed

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
15. 20S. 24E SLM

12. COUNTY OR PARISH
Grand

13. STATE
Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<i>Surface 8 3/4</i>	<i>7" ✓</i>		<i>100' ✓</i>	<i>20 Sacks</i>

*Plan to drill to the Detroit Formation
 will drill 6 1/2 in. hole, will use Rotary Rig
 Plan to start with in 10 days
 Case 102-5
 Nov. 2, 1964*

43-019-20311

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 *Walter D. Broadhead* TITLE *operator* DATE *April 3, 1967*

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

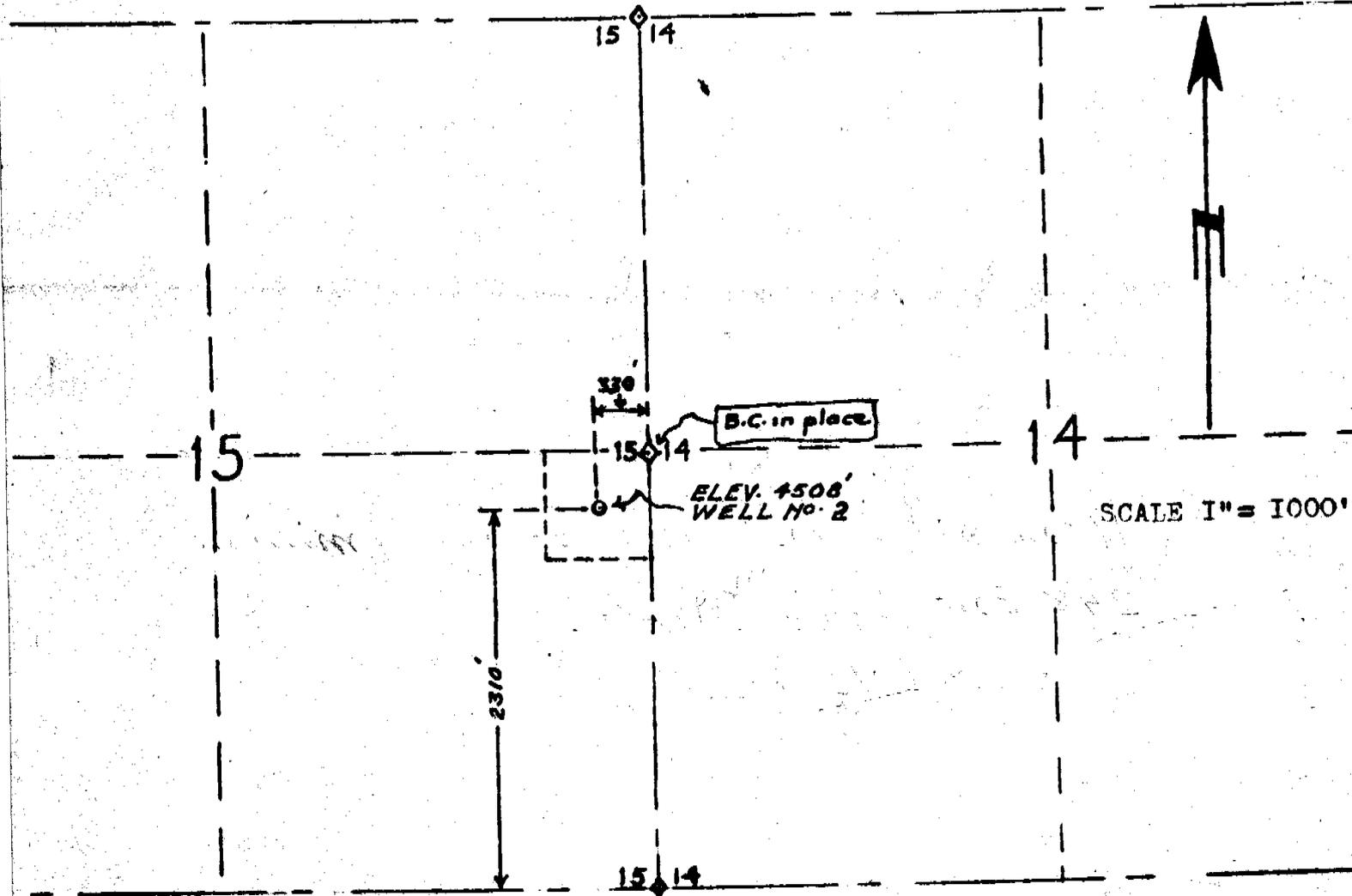
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Federal

WELL LOCATION, Broadhead No. 2, Lease U 035201-A
330 ft. W.E.L. & 2310 ft. N.S.L. Section 15,
T20S, R24E of the S.I.M.

in Grand County, Utah.



I, Henry Dennison Clark, do hereby certify that this plat
was plotted from notes of a field survey made by me on April
1, 1967.

Signed *Henry Dennison Clark*
Colorado Reg. Land Surveyor - No. 689

April 5, 1967

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado

Re: Well No. Broadhead Federal #2,
Sec. 15, T. 20 S., R. 24 E.,
Grand County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted in accordance with the Order issued in Cause No. 102-5, on November 2, 1964.

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

PAUL W. BURCHELL, Chief Petroleum Engineer
HOME: 277-2890 - Salt Lake City, Utah
OFFICE: 328-5771 - 328-5772 - 328-5773

This approval terminates within 90 days if the well has not been spudded-in within said period. Enclosed please find Form OGCC-8-X, which is to be completed whether or not water sands (aquifers) are encountered while drilling. Your co-operation with respect to completing this form will be greatly appreciated.

The API number assigned to this well is 43-019-20211 (see Bulletin D12 published by the American Petroleum Institute).

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:sc

cc: Rodney Smith, District Engineer
U. S. Geological Survey
8416 Federal Building
Salt Lake City, Utah

April 7, 1967

W. O. Arns, Chief Location Engineer
Utah State Department of Highways
State Office Building
Salt Lake City, Utah

Re: Well No. Broadhead Federal #2,
Sec. 15, T. 20 S., R. 24 E.,
330' FEL & 2310' FSL, NE.NE SE,
Grand County, Utah.

Dear Mr. Arns:

Approval to drill the above mentioned well has been granted this date.

Would you please advise this Commission immediately if the well location is on or in close proximity to any highway which the Department of Highways intends to construct in the near future.

Thank you for your cooperation in this matter.

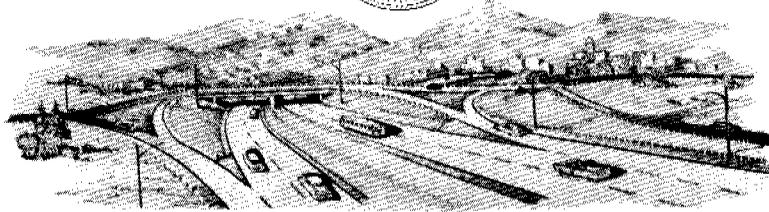
Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cnp

HCH
DIRECTOR
HENRY C. HELLAND



STATE HIGHWAY ENGINEER
BLAINE J. KAY

Utah State Department of Highways

State Office Building

Salt Lake City, Utah 84114

April 12, 1967

Mr. Cleon B. Feight
Executive Director
Oil & Gas Conservative Commission
348 East South Temple, Suite 301
Salt Lake City, Utah 84111

Dear Mr. Feight:

Re: I-70-4(3)182 - Whitehouse - Cottonwood
Wash; Well No. Broadhead Federal #2,
Sec. 15, T. 20 S., R. 24 E., 330' FEL
& 2310' FSL, NE NE SE, Grand County, Utah

The above-described well location is approximately
100 feet south of I-70, and should cause no construction
interference at this location.

Very truly yours

W. O. Arns
Chief Location Engineer

June 30, 1967

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado

Re: Well No. Broadhead Federal #2,
Sec. 15, T. 20 S., R. 24 E.,
Grand County, Utah

For the month of May, 1967

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the above mentioned month (s), for the subject well. Rule C-22(1), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGCC-1b (U. S. Geological Survey Form 9-331, "Sundry Notices and Reports on Wells"), or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your immediate attention is required in this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ANNETTE R. HANSEN
RECORDS CLERK

arh

Enclosures: Forms

November 28, 1967

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado

Re: Well No. Broadhead Federal #2
Sec. 15, T. 20 S., R. 24 E.,
Grand County, Utah

For the Months of May, June,
July, August, September, October,
for the year 1967.

Dear Mr. Broadhead,

Our records indicate that you have not filed a Monthly Report of Operations for the above mentioned months for the subject well. Rule C-22(1), General Rules and Regulations and Rules of Practice and Procedure, Utah State Division of Oil & Gas Conservation, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1b (U. S. Geological Survey Form 9-331, "Sundry Notices and Reports on Wells"), or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your immediate attention is required in this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

KATHY H. DUGDALE
SECRETARY

"khd

Enclosures: Forms

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah 035201-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Broadhead No. 2

10. FIELD AND POOL, OR WILDCAT

Unmmed

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

Section 15

T. 20 S., R. 24 E., S1M

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Walter D. Broadhead

3. ADDRESS OF OPERATOR
1645 North 7th, Grand Junction, Colorado

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

2310' FSL & 330' FSL (NE SE)

14. PERMIT NO.

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

4506 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.)*

Total depth 773'. 4 1/2" ca 756' w/10 sec.

Will plug and abandon as follows:

Set 5-sx cement plug from 775-748'.

Cut and recover as much 4 1/2" pipe as possible.

Set 10-sx cement plug across the stub of 4 1/2" casing or across the Dakota formation.

Set 10-sx cement plug at the base of surface pipe and regulation marker cemented in top of surface pipe with 2-5 sx cement.

Clean and level location.

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE Jan. 9, 1968

BY Paul J. Birchill

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

SIGNED Walter D. Broadhead

TITLE O.erator

DATE 1-3-68

Walter D. Broadhead

(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-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

Utah 035201A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR

Walter D. Broadhead

3. ADDRESS OF OPERATOR

1645 North 7th St Grand Junction Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface
At top prod. interval reported below
At total depth

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Broadhead No 2

10. FIELD AND POOL, OR WILDCAT

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

*Sec 15
T. 20S., R. 24E., S. 14M*

12. COUNTY OR PARISH

Grand

13. STATE

Utah

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

5-1-67

6-15-67

4508

20. TOTAL DEPTH, MD. & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

773'

X

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

None

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<i>7" Surface</i>		<i>93'</i>	<i>8 3/4"</i>	<i>12 sacks</i>	<i>None</i>
<i>4 1/2 casing</i>	<i>9 lb</i>	<i>756</i>	<i>6 1/4"</i>	<i>10 "</i>	<i>"</i>

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

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

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

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

35. LIST OF ATTACHMENTS

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

SIGNED *Walter D. Broadhead* TITLE *operator* DATE *1-3-68*

*(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 38, 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
Gray to Black shale	0	456	Beiled loggans oil in 24 hrs ✓	Moncas Shale	0 to 440	
White Sand	456	468		Dakota	440	
Black shale	468	488		Morrison	556	
Sand & Shale	488	556		T. D	773	
Green shale	556	596				
Green & Red Shale	596	756				
Sand	756	763				
Gray shale	763	773				

JAN 5 1968

1588 West North Temple
Salt Lake City, Utah 84116

328-5771

January 24, 1968

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado

Re: Well No. Broadhead Federal #2,
Sec. 15, T. 20 S., R. 24 E.,
Grand County, Utah.

Dear Mr. Broadhead:

We are in receipt of your "Well Completion or Recompletion Report and Log" for the above mentioned well. However, upon checking this information, we note that the plug and abandonment date was omitted from this report.

It would be appreciated if this office could receive the needed information.

Thank you for your cooperation in this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON
RECORDS CLERK

sc

1588 West North Temple
Salt Lake City, Utah 84116

328-5771

April, 1968

**Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado**

**Re: Well No. Broadhead Federal #2,
Sec. 15, T. 20 S., R. 24 E.,
Grand County, Utah.**

Gentlemen:

This letter is to advise you that the Subsequent Report of Abandonment and Plugging of the above mentioned well is due and has not been filed with this office as required by Rule D-2, General Rules and Regulations and Rules of Practice and Procedure, Utah State Division of Oil and Gas Conservation.

Thank you for your cooperation with respect to this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON
RECORDS CLERK

sc

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

10/13/68

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.

Utah 035201-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Broadhead No. 2

10. FIELD AND POOL, OR WILDCAT

Sage

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

Sec 15
T. 20S R. 24E, S1M

12. COUNTY OR PARISH 18. STATE

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Walter D. Broadhead

3. ADDRESS OF OPERATOR
1645 N 7th St. Grand Junction Colorado

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

2310' FSL & 330' FEL NE SE 4

14. PERMIT NO.

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

4508 kv

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.)*

Set 5-sx cement plug from 775 - 748'

Shot pipe at 495' & recovered 495'

Set 10-sx cement at 495'

Set 10-sx cement at 100 ft & cemented Marker at Surface

Cemented with tubing & Pump

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

SIGNED Walter D. Broadhead

TITLE operator

DATE July 13 1968

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

July 26, 1968

Walter D. Broadhead
1645 N. 7th Street
Grand Junction, Colorado

Re: Well No. Broadhead #2,
Sec. 15, T. 20 S., R. 24 E.,
Grand County, Utah

Dear Mr. Broadhead,

We are in receipt of your Subsequent Report of Abandonment for the above mentioned well. However, upon checking the information listed, we note that the plug and abandonment date was omitted from this report.

Please submit to this office the information needed as soon as possible.

Thank you for your cooperation in this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON
RECORDS CLERK

sc

August 6, 1968

Walter D. Broadhead
1645 N. 7th Street
Grand Junction, Colorado

Re: Broadhead Federal #2
Sec. 15, T. 20 S, R. 24 E,
Grand County, Utah

Plugged & Abandoned Date

Gentlemen:

We are in receipt of your "Well Completion or Recompletion Report and Log" for the above mentioned well. However, upon checking the information listed, we note that the above information was omitted from this report.

Please submit to this office the information needed as soon as possible.

Thank you for your cooperation in this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON
RECORDS CLERK

sc