

FILE NOTATIONS

Entered in NID File ✓
Location Map Pinned
Card Indexed ✓

Checked by Chief *P.W.B.*
Approval Letter *8-25-69*
Disapproval Letter

COMPLETION DATA:

Date Well Completed *9-21-69*

Location Inspected

W..... WW..... TA.....

Bond released

GW. ✓ OS..... PA.....

State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.) *2*.....

E..... I. ✓ Dual I Lat..... GR-N. ✓ Micro.....

HC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

11972 Subsequent Report of Abundant

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U-0100285

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Rowe-Govt.

9. WELL NO.
#2

10. FIELD AND POOL, OR WILDCAT
Horseshoe Bend

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
25-T6S-R21E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

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
H. P. McLish and K. D. Luff

3. ADDRESS OF OPERATOR
414 Patterson Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
1980' W/S Line, 1980' W/E Line
 At proposed prod. zone

C NW/SE

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
1980'

16. NO. OF ACRES IN LEASE
800

17. NO. OF ACRES ASSIGNED TO THIS WELL
560

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

19. PROPOSED DEPTH
3700'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4870' Ground (Approx.)

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 1/2	8 5/8	24	250'	100 sack
7 7/8	4 1/2	9.5	T.D.	100 sack

We plan to drill with rotary tools, water base mud of 9-10^{lb} weight, use blowout prevention equipment customary in the field and perforate casing opposite potential pay zones.

Approval of the Utah Oil and Gas Conservation Division is requested pursuant to Rule C-3(c) on the basis of geological conditions, as we are attempting to establish the areal extent of new pay zones indicated in the wells recently completed.

We either own or control by operating agreement all lands affected by this location.

Loss than 4960' to Charton's #3-A and The Lingelbach Gas Wells

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 [Signature] TITLE **Operator** DATE **8/22/69**

(This space for Federal or State office use)

PERMIT NO. **43-047-30062** APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

5. LEASE DESIGNATION AND SERIAL NO.
U-0100285

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Rowe-Govt.

9. WELL NO.
#2

10. FIELD AND POOL, OR WILDCAT
Horseshoe Bend

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
28-T6S-R21E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

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
H. P. McLish and K. D. Luff

3. ADDRESS OF OPERATOR
414 Patterson Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
1980' N/S Line, 1980' W/E Line
 At proposed prod. zone

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)
1980'

16. NO. OF ACRES IN LEASE
800

17. NO. OF ACRES ASSIGNED TO THIS WELL
560

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

19. PROPOSED DEPTH
3700'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4870' Ground (Approx.)

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 1/2	8 5/8	24	250'	100 sax
7 7/8	4 1/2	9.5	T.D.	100 sax

We plan to drill with rotary tools, water base mud of 9-10# weight, use blowout prevention equipment customary in the field and perforate casing opposite potential pay zones.

Approval of the Utah Oil and Gas Conservation Division is requested pursuant to Rule C-3(c) on the basis of geological conditions, as we are attempting to establish the areal extent of new pay zones indicated in the wells recently completed.

We either own or control by operating agreement all lands affected by this location.

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 *[Signature]* TITLE **Operator** DATE **8/22/69**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

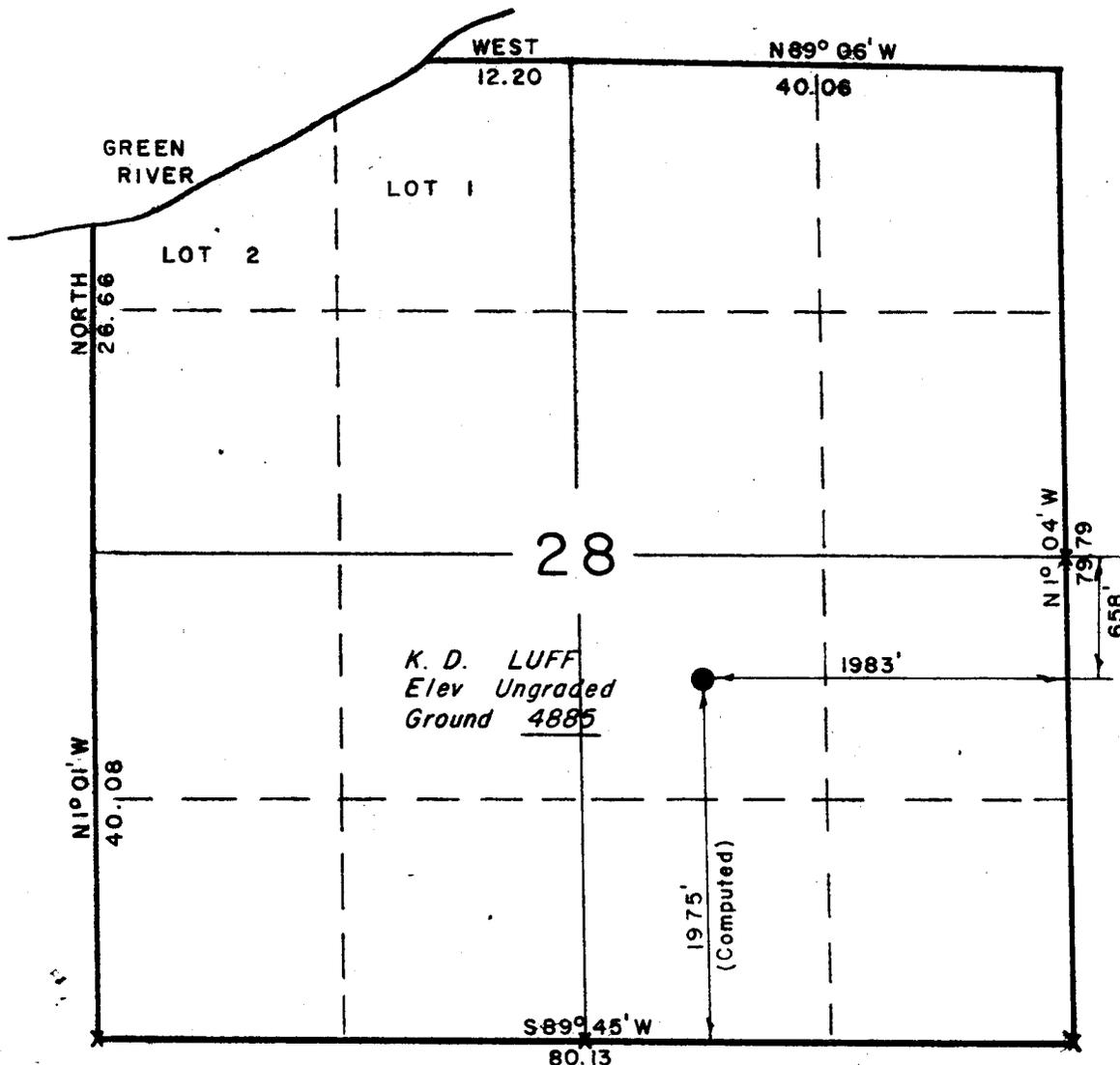
T 6 S, R 2 E, S L B & M

PROJECT

K. D. LUFF

Well location, located as shown in the NW 1/4 SW 1/4, Section 28, T6S, R2E, S.L.B. & M., Uintah County, Utah.

RECEIVED
BR. OF OIL & GAS OPERATIONS
SEP 2 1969
U. S. GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH



CERTIFICATE

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.

Nelson Marshall
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

X = Corners Located (Brass Caps)

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 20 August 1969
PARTY Nelson Marshall, M. HAWS	REFERENCES GLO Township Plat
WEATHER Fair - Hot	FILE K. D. LUFF

August 25, 1969

H. P. McLish & K. D. Luff
414 Patterson Building
Denver, Colorado 80202

Re: Well No. Rowe Gov't. #2
Sec. 28, T. 6 S, R. 21 E,
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well on said unorthodox location is hereby granted in accordance with Rule C-3(c). However, this approval is conditional upon a surveyor's plat being furnished this office.

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
OFFICE: 328-5771

This approval terminates within 90 days if the well has not been spudded-in within said period.

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

H. P. McLish & K. D. Luff
August 25, 1969
Page 2

The API number assigned to this well is 43-047-30062 (see Bulletin D-12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
cc: U.S. Geological Survey

Schmitt

1095

(Rev. 6-66)

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.

U-0100285

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Rowe-Government

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Horseshoe Bend

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

28 - T6S - R21E

12. COUNTY OR PARISH

13. STATE

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL [] GAS WELL [X] DRY [] Other []

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

2. NAME OF OPERATOR

H. P. McLish and Kenneth D. Luff

3. ADDRESS OF OPERATOR

414 Patterson Building, Denver, Colorado 80202

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

At surface 1975' N/S Line, 1983' W/E Line

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

43-047-30062

9/3/69

15. DATE SPUDDED

8/29/69

16. DATE T.D. REACHED

9/7/69

17. DATE COMPL. (Ready to prod.)

9/21/69

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4885' GR

19. ELEV. CASINGHEAD

4886

20. TOTAL DEPTH, MD & TVD

3820'

21. PLUG, BACK T.D., MD & TVD

3765'

22. IF MULTIPLE COMPL., HOW MANY*

18

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

XX

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

3493-3760' Uintah

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction Electric, Gamma Ray, Neutron

27. WAS WELL CORED

no

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

Table with 6 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 8 5/8" and 5 1/2" casing sizes.

29. LINER RECORD

Table with 8 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). Row shows 2 3/8" size and 3400' depth.

31. PERFORATION RECORD (Interval, size and number)

3493-5, 3499-3502, 3505-08, 3518-20, 3583-85, 3599-3602, 3611-15, 3619-21, 3623-26, 3645-48, 3652-54, 3668-70, 3681-3684, 3657-59, 3698-3701, 3721-24, 3753-55, 3758-60.

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

Table with 2 columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED. Row shows NO.

33.* PRODUCTION

Table with 8 columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKER 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.)

Shut-in

TEST WITNESSED BY

J. Tadlock

35. LIST OF ATTACHMENTS

Logs - Geologic Report

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

SIGNED

TITLE

Operator

DATE

10/3/69

*(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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			SEE GEOLOGIC REPORT

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Uintah		Surface
"A"		3291'
"B"		3433'
"C"		3545'
"D"		3640'
Green River		3780'

JAN 5 19

December 17, 1969

H.P. McLish & K.D. Luff
210 Patterson Building
Denver, Colorado

Re: Well No's: National Gov't. #1
Sec. 15, T. 6 S, R. 21 E,
Rowe Gov't. #2, Sec. 28, T. 6 S,
R. 21 E, & Short Federal #1,
Sec. 4, T. 7 S, R. 21 E,
Uintah County, Utah

Gentleman:

This letter is to advise you that the "Well Completion or Recompletion Report and Log" and electric and/or radioactivity logs for the above mentioned wells are due and have not been filed with this office as required by our Rules and Regulations.

Please complete the enclosed Form OGC-3, "Well Completion or Recompletion Report and Log", in duplicate and forward them to this office as soon as possible. If electric and/or radioactivity logs were not run, please make a statement to this effect in order for us to keep our records accurate and complete.

Your cooperation with regard to this matter will be appreciated.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE
SUPERVISING STENOGRAPHER

:sd
Enclosures

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

SUBMIT IN TRIPlicate*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0100285

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Rowe-Government

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Horseshoe Bend

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

Sec. 28, T6S, R21E

12. COUNTY OR PARISH 13. STATE

Uintah

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
H. P. McLish - Kenneth D. Luff

3. ADDRESS OF OPERATOR
520 Patterson Building, Denver, Colorado 80202

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

1975' FSL x 1983' FEL

14. PERMIT NO.
43-047-30062

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4885' 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 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 checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) _____		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Completed 10/3/69

Plugging - Load hole with water or mud, whichever is required to kill well. Spot 25 sack plug at 3480' and squeeze 5 sacks into perforations. Shoot 4 1/2" casing at free point estimated to be at approximately 2000'. When pipe is free, set 15 sacks cement in and out of stub. Pull casing and set 35 sacks cement in and out of surface pipe at 260'. Set 5 sacks cement at top of surface pipe with dry hole marker.

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

APPROVAL IS CONDITIONAL UPON UTILIZING MUD BETWEEN ALL PLUGS; AND PLACING 80% OF THE CEMENT PLUG AT THE BASE OF THE SURFACE CASING, INSIDE PIPE.

7-15-72
BY *Paul S. Burckell*

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

SIGNED *K. D. Luff* TITLE **Operator** DATE **7/21/72**

(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 re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0100285

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

Rowe-Government

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Horseshoe Bend

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

Sec. 28, T6S, R21E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

H. P. McLish - Kenneth D. Luff

3. ADDRESS OF OPERATOR

520 Patterson Building, Denver, Colorado 80202

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

1975' TEL x 1983' TEL

14. PERMIT NO.

43-047-30062

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

4885' 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.)*

Completed 10/3/69

Plugging - Load hole with mud required to kill well. Spot 25 sack plug at 3480' and squeeze 5 sacks into perforations. Shoot 4 1/2" casing at free point estimated to be at approximately 2000'. When pipe is free, set 15 sacks cement in and out of stub. Pull casing and set 35 sacks cement in and out of surface pipe at 260'. Set 5 sacks cement at top of surface pipe with dry hole marker.

The pit has been filled, location leveled and regulation dry hole marker erected.

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

SIGNED

K. H. Luff

TITLE

Operator

DATE

11/3/72

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: