

FILE NOTATIONS

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

Checked by Chief *MB*
Approval Letter *9.29.69*
Disapproval Letter

COMPLETION DATA:

Date Well Completed *11-25-69*
OW..... WW..... TA.....
GW..✓.. OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log *1-5-70*
Electric Logs (No.) *4*
E..... I. *E* ✓ Dual I Lat..... GR-N..... ✓ Micro.....
BHC Sonic GR. *GR* ✓ Lat..... Mi-L..... Sonic *GR* ✓
CBLog..... CCLog..... Others.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(Other Inst. on reverse side)

UNITED STATES GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U-6777A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Short-Federal

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 4, T7S, 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 - K. D. Luff

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface **668 fw1 x 2023 fn1**
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Vernal 25 miles northwest *SE 50° NW*

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **668'**

16. NO. OF ACRES IN LEASE **236.53**

17. NO. OF ACRES ASSIGNED TO THIS WELL **80**

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

19. PROPOSED DEPTH **7500'**

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4912 GR

22. APPROX. DATE WORK WILL START*
September 26, 1969

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12½"	8-5/8"	24#	300'	200 sacks circulate
7-7/8"	5-1/2"	15#	7500'	200 sacks

Drill 12½" hole to 300' and set 300' of 8-5/8" surface casing circulating cement. Drill 7-7/8" hole to total depth. Run IES and GRS logs and Drill stem test all potential zones. If indicative of commercial production, run 5½" casing and cement same. Drilling fluid will be water to top of Green River formation (est. @ 3400') and chemical/gel base mud to total depth. Will use 10" x 900 series Schaffer double hydraulic BOP after setting surface pipe. BOP will be checked every trip.

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 *K. D. Luff* TITLE Designated Operator DATE 9/23/69

(This space for Federal or State office use)

PERMIT NO. 43-017-30065 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

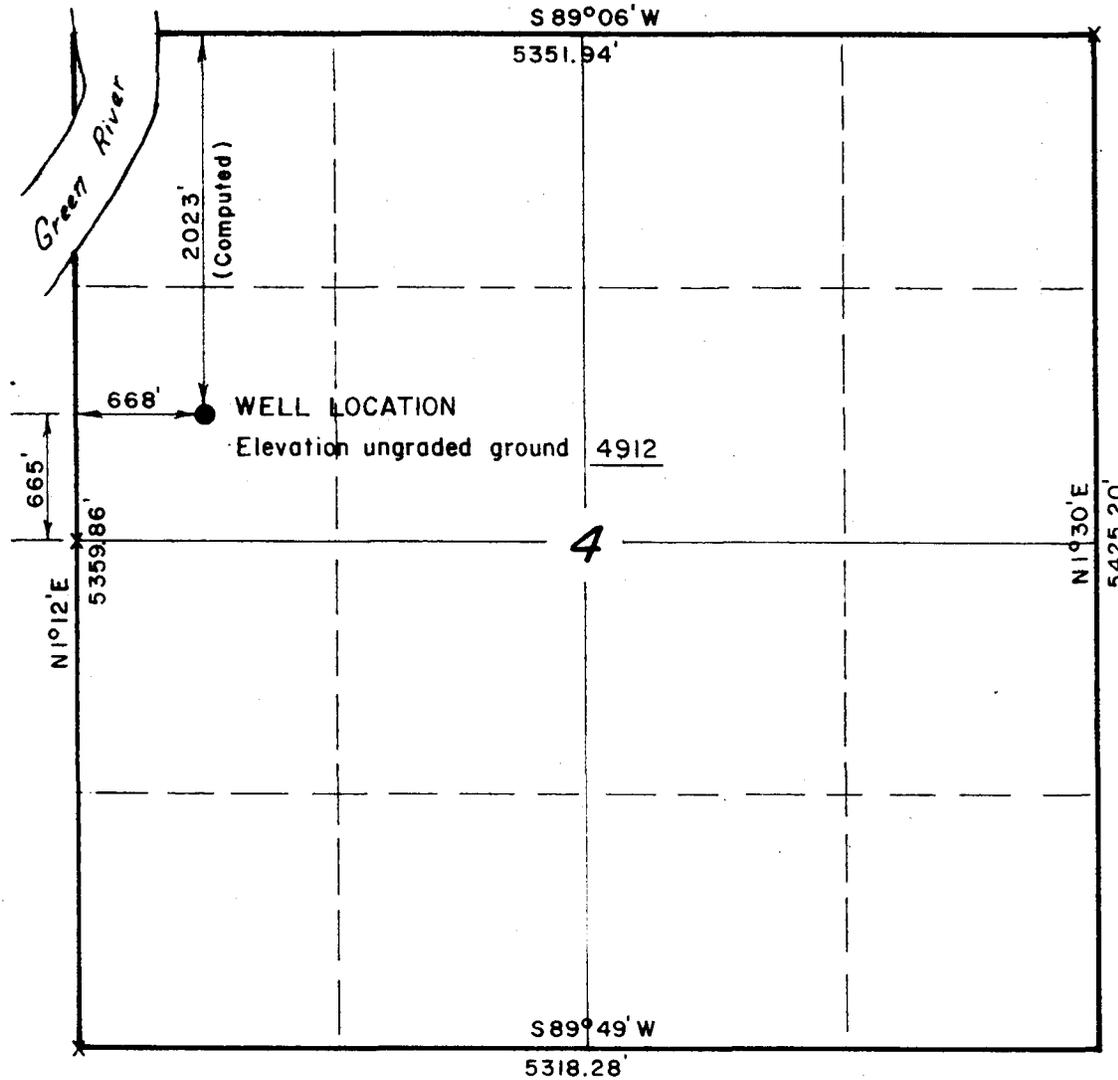
*See Instructions On Reverse Side

T7S, R21E, SLB&M

PROJECT

LUFF — McLISH

WELL LOCATION AS SHOWN IN THE SW1/4
NW1/4, SECTION 4, T7S, R21E, SLB&M.
UINTAH COUNTY, 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.

Jane Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
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 16 July, 1969
PARTY GS-KM-MS	REFERENCES GLO Township Plat
WEATHER Clear & Hot	FILE K.D. LUFF

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: **Utah - Salt Lake City**
SERIAL NO.: **U-0102149-A**

and hereby designates

NAME: **Kenneth D. Luff**
ADDRESS: **428 Patterson Bldg., Denver, Colorado 80202**

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 7 South, Range 21 East, S.L.M.
Section 4: SW $\frac{1}{4}$

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

CHEVRON OIL COMPANY

By *G. A. Jones*
Contract Agent, Western Division

By *[Signature]*
Assistant ~~Contract Agent~~ Secretary

Sept. 24, 1969

(Date)

P. O. Box 599, Denver, Colorado 80201

(Address)

September 29, 1969

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

Re: Well No. Short Federal #1
Sec. 4, T. 7 S, R. 21 E,
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted.

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 while drilling. Your cooperation with respect to completing this form will be greatly appreciated.

H.P. McLish & K. D. Luff
September 29, 1965
Page 2

The API number assigned to this well is 43-047-30065 (see Bulletin D-12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FREIGHT
DIRECTOR

CBF:sd
Enclosures

cc: U.S. Geological Survey
8416 Federal Bldg.
Salt Lake City, Utah 84111

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved, Budget Bureau No. 42-R255.5

5. LEASE DESIGNATION AND SERIAL NO.

U-6777A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Short-Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Horseshoe Bend

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

Sec. 4 T-7-S R-21-E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

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
Kenneth D. Luff

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 668 FWL and 2023' FNL

At top prod. interval reported below
At total depth

14. PERMIT NO. -- DATE ISSUED 9/30/69

15. DATE SPUNDED 9/29/69 16. DATE T.D. REACHED 11/3/69 17. DATE COMPL. (Ready to prod.) 11/25/69 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4925 KB 19. ELEV. CASINGHEAD 4912

20. TOTAL DEPTH, MD & TVD 7470' 21. PLUG, BACK T.D., MD & TVD 3606 22. IF MULTIPLE COMPL., HOW MANY* -- 23. INTERVALS DRILLED BY -- ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3377' to 3537' 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Induction and BHC - Gamma Ray 27. WAS WELL CORED 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 #/ft.	357'	12 1/4"	200 sx	None
4 1/2"	9.5 #/ft.	3735'	7 7/8"	200 sx	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	3350'	

31. PERFORATION RECORD (Interval, size and number)

3377-78 -2 shots			
3381-82 -2 shots	3526-28 -3 shots		
3385-89 -5 shots	3533-37 -5 shots		
3475-79 -5 shots			

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3377 to 3537	10,000# sand in water

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
11/25/69	Flowing gas well	

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/25/69	2	14/64	→	--	95	Trace	--

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
700	780	→	--	1,160	Trace	--

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Shut-in waiting on gas connection TEST WITNESSED BY R. Stone

35. LIST OF ATTACHMENTS Induction Log - GRN - GRS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Kenneth D. Luff TITLE Operator DATE 11/28/69

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

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

Gentlemen:

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-6777A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Short Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Horseshoe Bend

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

Sec. 4, T7S, R21E

12. COUNTY OR PARISH 13. STATE

Uintah

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
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
668' fwl x 2023' fnl

14. PERMIT NO.
9/30/69

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4925' KB

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

**Casing - 8 5/8" @ 357' with 200 sacks
4 1/2" @ 3735' with 200 sacks**

Perfs - 3377' to 3537' PBD - 3650'

1. Set 20 sacks - 3350' to 3550'
2. Cut and pull free 4 1/2" casing
3. 35 sacks on top of 4 1/2" stub
4. 35 sacks - 257' to 357'
5. 10 sacks with marker

Verbal approval by Mr. Danial, 11/16/70, 4:50 p.m.

Pit was filled, location leveled and dry hole marker erected.

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

SIGNED

TITLE

Operator

DATE

3/17/71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: